



Registrar

# National Electric Power Regulatory Authority Islamic Republic of Pakistan

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No. NEPRA/R/TRF-100/MFPA/1759-76

February 1, 2017

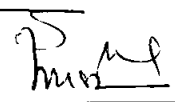
|    |   |     |   |
|----|---|-----|---|
| 1. | Chief Executive Officer,<br>Faisalabad Electric Supply Company<br>Abdullahpur, Canal Bank Road<br>Faisalabad                              | 2.  | Chief Executive Officer,<br>Gujranwala Electric Power Company Ltd.<br>565/A, Model Town, G.T. Road,<br>Gujranwala   |
| 3. | Chief Executive Officer,<br>Hyderabad Electric Supply Co. Ltd.<br>WAPDA Offices Complex,<br>Hussainabad, Hyderabad                        | 4.  | Chief Executive Officer<br>Islamabad Electric Supply Co. Ltd.<br>Street # 40, Sector G-7/4, Islamabad.  |
| 5. | Chief Executive Officer,<br>Lahore Electric Supply Company Ltd.<br>22-A, Queens Road,<br>Lahore   | 6.  | Chief Executive Officer<br>Multan Electric Power Co. Ltd.<br>MEPCO Headquarter,<br>Khanewal Road, Multan  |
| 7. | Chief Executive Officer,<br>Peshawar Electric Supply Company<br>WAPDA House, Shami Road,<br>Sakhi Chashma, Peshawar                       | 8.  | Chief Executive Officer<br>Quetta Electric Supply Company<br>Zarghoon Road, Quetta  |
| 9. | Chief Executive Officer,<br>Sukkur Electric Power Company Ltd.<br>(SEPCOL)<br>Administration Block,<br>Thermal Power Station, Old Sukkur. | 10. | Chief Executive Officer<br>Tribal Areas Electricity Supply Company<br>Limited (TESCO)<br>Room No. 213, 1 <sup>st</sup> Floor, WAPDA House,<br>Shami Road, Sakhi Chashma, Peshawar |

Subject: **Decision of the Authority in the matter of Fuel Charges Adjustment for the Month of December 2016 for XWDISCOs along with Notification Thereof**

Enclosed please find herewith copy of the decision of the Authority (08 pages) regarding adjustment in fuel charges in respect of Ex-WAPDA Distribution Companies for the month of December 2016 along with its Notification i.e. S.R.O 50(1)/2017 dated 31.01.2017.

2. XWDISCOs are directed that while charging the fuel charges adjustment from their consumers, the Order of the Honourable Court(s), if any, be kept in mind and ensure compliance with the Order(s) of the Court(s), whatsoever, in this regard. In case of non-compliance of Courts Order the concerned DISCO shall be held responsible for violating / defying the orders of the Honourable Court(s).

Enclosure: As above (Decision alongwith Notification is also available on NEPRA's website)

  
01.02.17  
( Syed Safer Hussain )

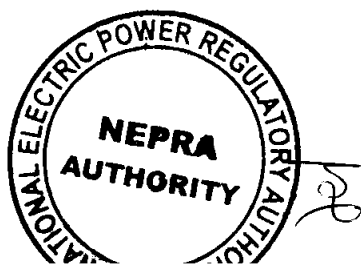
CC:

1. Secretary, Ministry of Water & Power, 'A' Block, Pak Secretariat, Islamabad.
2. Secretary, Cabinet Division, Cabinet Secretariat, Islamabad.
3. Secretary, Ministry of Finance, 'Q' Block, Pak Secretariat, Islamabad.
4. Managing Director, PEPCO, WAPDA House, Lahore.
5. Member (Power), WAPDA, WAPDA House, Lahore.
6. Managing Director, NTDC, 414 WAPDA House, Lahore.
7. Registrar, Supreme Court of Pakistan, Islamabad.
8. Chief Executive Officer, Central Power Purchasing Agency Guarantee Limited  
6<sup>th</sup> Floor, Shaheed-e-Millat Secretariat, Jinnah Avenue, Blue Area, Islamabad



**DECISION OF THE AUTHORITY IN THE MATTER OF FUEL CHARGES  
ADJUSTMENT FOR THE MONTH OF DECEMBER 2016 FOR EX-WAPDA DISCOS**

1. Pursuant to the provisions of Section 31(4) of the Regulation of Generation, Transmission and Distribution of Electric Power Act 1997, (NEPRA Act) read with the mechanism/formula determined by the Authority in the tariff determinations for Ex-WAPDA DISCOs for the Financial Year 2014-15, the Authority has to make adjustments in the approved tariff on account of any variations in the fuel charges on a monthly basis.
2. In order to make adjustments in the approved tariff of the Ex-WAPDA DISCOs due to variations in the fuel charges for the month of December 2016, necessary information as to the details of the actual fuel charges etc. was obtained from Central Power Purchasing Agency Guarantee Limited (CPPA-G).
3. Notwithstanding the fact that the monthly adjustment on account of fuel charges variation is made in pursuance of the provisions of section 31(4) of the NEPRA Act as well as on the basis of a mechanism/formula already determined by the Authority in its annual tariff determinations for Ex-WAPDA DISCOS, yet the impact of such adjustments, if any, is to be paid by the consumers of electricity, therefore, the salient features and details of the proposed adjustments in the approved tariff were published in newspapers on January 20, 2017 and also uploaded on NEPRA's Website for information of all concerned.
4. In order to provide an opportunity of hearing to all concerned and to meet the ends of natural justice, the Authority decided to conduct a public hearing on the issue on January 26, 2017 at NEPRA Tower, Attaturk Avenue (East), G-5/1, Islamabad. The date of hearing was mentioned in the advertisement published in newspapers and also uploaded on NEPRA's website whereby participation in the hearing and filing of comments/ objections from any interested person were invited. Separate notices were also sent to the interested / affected parties.





5. On the date fixed for the hearing, representatives from CPPA-G, National Power Control Center (NPCC), NTDC and media were present; however, no representative from WAPDA Power Privatization Organization (WPPO), Sui Southern Gas Company Limited (SSGCL), Sui Northern Gas Pipelines Limited (SNGPL), Ministry of Water & Power and Ministry of Finance attended the hearing despite service of notice.
6. The Authority has gone through the information provided by CPPA-G seeking monthly fuel adjustment and due diligence is done accordingly. From perusal of the information so provided by CPPA-G, the actual pool fuel charge for the month of December 2016 is Rs.6.2443/kWh, against the reference fuel cost component of Rs.8.1037/kWh as indicated in the Annexure-IV of the Authority's determination pertaining to the Ex-WAPDA DISCOs for FY 2014-15. The actual fuel charges for the month of December 2016 decreased by Rs.1.8594/kWh (Annex-I&II) as compared to the reference fuel charges.
7. The Authority noted that CPPA-G has worked out the Fuel cost of Nandipur for the month of December 2016 based on FCC of Rs.9.916/kWh, whereas the Authority's approved FCC in respect of Nandipur w.e.f. 31<sup>st</sup> March 2016 is Rs.4.9481/kWh. Accordingly, for the instant FCA adjustment of December 2016, fuel cost of Nandipur of Rs.4.9481/kWh has been used.
8. Similarly in the matter of energy supplied by Guddu (747), the CPPA-G has used FCC of Rs.7.419/kWh, whereas the Authority's approved FCC for Guddu 747 is Rs. 4.9461/kWh w.e.f. April 2016. Accordingly, for the instant FCA adjustment of December 2016, fuel cost of Guddu 747 of Rs.4.9461/kWh has been used.
9. As per details provided by CPPA-G, 27.794 GWh were purchased by XWDISCOs from small and captive power plants. CPPA-G provided actual details of energy purchased from these plants. According to the details provided by CPPA-G, the

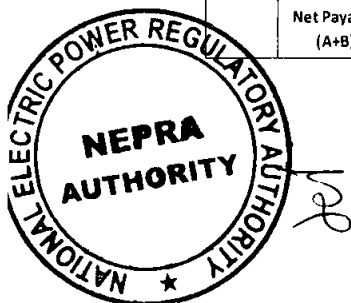




actual fuel cost of this energy is Rs.182.18 million, however, the same works out to be Rs.181.23 million as per NEPRA approved rates. Accordingly for the instant adjustment, cost of Rs.181.23 million has been considered on account of fuel cost component of energy purchased from small and captive power plants.

10. CPPA-G reported NTDC transmission losses of 212.681 GWh i.e. 2.95% during December 2016, which are lower than the Authority's assessed transmission losses of 3% as per its determination dated 23.04.2015 for NTDC, notified vide SRO No. 696(I) 2015 dated 23.07.2015. Accordingly, for calculation of FCA for December 2016, actual losses of 212.681 GWh i.e. 2.95%, being lower than the Authority assessed losses, have been taken into account for the purpose of current adjustment.
11. CPPA-G in its instant FCA request has claimed an amount of Rs.4,519.05 million on account of revision of FCC of Guddu 747 from Rs.4.0806/kWh to Rs.4.8560, applicable from September 2015 till March 2016 and Rs.4.9461/kWh w.e.f. April 2016, owing to revision in gas price since September 2015 as mentioned below;

|                          | Month                | Energy (kWh)         | Energy (kWh) (CC)    | Energy (kWh) (OC)     | Ref. Rate @ 4.0806 Rs./kWh (CC) (a) | Rev. Rate @ 4.8560 Rs./kWh (CC) (b) | Rev. Rate @ 4.8560 Rs./kWh (OC) (c) | Difference (d=b+c-a) |
|--------------------------|----------------------|----------------------|----------------------|-----------------------|-------------------------------------|-------------------------------------|-------------------------------------|----------------------|
| A                        | Sep-15               | 366,437,000          | 366,385,919          | 51,081                | 1,495,282,822                       | 1,779,170,023                       | 372,074                             | 284,259,274          |
|                          | Oct-15               | 505,512,000          | 505,512,000          | 0                     | 2,062,792,267                       | 2,454,766,272                       | 0                                   | 391,974,005          |
|                          | Nov-15               | 302,316,000          | 295,554,971          | 6,761,029             | 1,233,630,670                       | 1,435,214,939                       | 49,247,335                          | 250,831,605          |
|                          | Dec-15               | 68,930,919           | 68,930,919           | 0                     | 281,279,508                         | 334,728,543                         | 0                                   | 53,449,035           |
|                          | Jan-16               | 0                    | 0                    | 0                     | 0                                   | 0                                   | 0                                   | 0                    |
|                          | Feb-16               | 139,762,393          | 1,799,339            | 137,963,054           | 570,314,421                         | 8,737,590                           | 1,004,922,885                       | 443,346,055          |
|                          | Mar-16               | 187,645,000          | 60,854,769           | 126,790,231           | 765,704,187                         | 295,510,758                         | 923,540,043                         | 453,346,614          |
|                          | <b>Total</b>         | <b>1,570,603,312</b> | <b>1,299,037,917</b> | <b>271,565,395</b>    | <b>6,409,003,875</b>                | <b>6,308,128,125</b>                | <b>1,978,082,337</b>                | <b>1,877,206,587</b> |
|                          | Month                | Energy (kWh)         | Energy (kWh)         | Energy (kWh) (OC)     | Ref. Rate @ 4.0806 Rs./kWh (CC) (a) | Rev. Rate @ 4.9461 Rs./kWh (CC) (b) | Rev. Rate @ 4.9461 Rs./kWh (OC) (c) | Difference (d=b+c-a) |
| A                        | Apr-16               | 229,950,000          | 207,520,958          | 22,429,042            | 938,333,970                         | 1,026,419,410                       | 166,404,427                         | 254,489,867          |
|                          | May-16               | 401,021,000          | 396,259,733          | 4,761,267             | 1,636,406,293                       | 1,959,940,265                       | 35,324,554                          | 358,858,527          |
|                          | Jun-16               | 420,394,000          | 363,483,586          | 56,910,414            | 1,715,459,756                       | 1,797,826,165                       | 422,226,898                         | 504,593,306          |
|                          | Jul-16               | 431,572,200          | 431,572,200          | 0                     | 1,761,073,519                       | 2,134,599,258                       | 0                                   | 373,525,739          |
|                          | Aug-16               | 416,772,400          | 391,645,455          | 25,126,945            | 1,700,681,455                       | 1,937,117,585                       | 186,420,574                         | 422,856,704          |
|                          | Sep-16               | 435,987,000          | 422,785,378          | 13,201,622            | 1,779,088,552                       | 2,091,138,758                       | 97,944,814                          | 409,995,020          |
|                          | Oct-16               | 366,872,000          | 366,872,000          | 0                     | 1,497,057,883                       | 1,814,585,599                       | 0                                   | 317,527,716          |
|                          | <b>Total</b>         | <b>2,702,568,600</b> | <b>2,580,139,310</b> | <b>122,429,290</b>    | <b>11,028,101,429</b>               | <b>12,761,627,041</b>               | <b>908,321,267</b>                  | <b>2,641,846,879</b> |
| <b>Net Payable (A+B)</b> | <b>4,273,171,912</b> | <b>3,879,177,227</b> | <b>393,994,685</b>   | <b>17,437,105,304</b> | <b>19,069,755,166</b>               | <b>2,886,403,604</b>                | <b>4,519,053,466</b>                |                      |





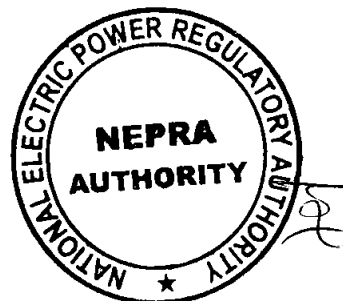
12. The Authority analyzed the working submitted by CPPA-G and found certain discrepancies therein. Accordingly, the Authority carried out its own working, whereby the payable amounts works out to be Rs.2,232.857 million instead of claimed amount of Rs.4,519.053 million as detailed hereunder;

| Month        | Energy Delieverd (kWh) | Rate Allowed in FCA (RS./kWh) | Applicable Rate (Rs./kWh) | Difference in Rate (Rs./kWh) | Amount to be allowed (Rs.) |
|--------------|------------------------|-------------------------------|---------------------------|------------------------------|----------------------------|
| Sep-15       | 364,680,000            | 4.800                         | 4.8560                    | 0.0560                       | 20,422,080                 |
| Oct-15       | 510,069,516            | 4.800                         | 4.8560                    | 0.0560                       | 28,563,893                 |
| Nov-15       | 302,456,284            | 4.800                         | 4.8560                    | 0.0560                       | 16,937,552                 |
| Dec-15       | 68,930,919             | 4.800                         | 4.8560                    | 0.0560                       | 3,860,131                  |
| Jan-16       | -                      | -                             | -                         | -                            | -                          |
| Feb-16       | 139,762,393            | 4.8560                        | 4.8560                    | 0.0000                       | -                          |
| Mar-16       | 187,310,515            | 4.8560                        | 4.8560                    | 0.0000                       | -                          |
| Apr-16       | 228,877,862            | 4.8560                        | 4.9461                    | 0.0901                       | 20,621,895                 |
| May-16       | 403,794,971            | 4.0806                        | 4.9461                    | 0.8655                       | 349,484,547                |
| Jun-16       | 420,394,000            | 4.0806                        | 4.9461                    | 0.8655                       | 363,851,007                |
| Jul-16       | 431,572,200            | 4.0806                        | 4.9461                    | 0.8655                       | 373,525,739                |
| Aug-16       | 416,772,400            | 4.0806                        | 4.9461                    | 0.8655                       | 360,716,512                |
| Sep-16       | 435,987,000            | 4.0806                        | 4.9461                    | 0.8655                       | 377,346,749                |
| Oct-16       | 366,872,000            | 4.0806                        | 4.9461                    | 0.8655                       | 317,527,716                |
| Nov-16       | 332,100,000            | 4.9461                        | 4.9461                    | 0.0000                       | -                          |
| <b>Total</b> | <b>4,609,580,060</b>   |                               |                           |                              | <b>2,232,857,822</b>       |

13. Consequently for the instant FCA of December 2016, Rs.2,232.857 million have been included to work out the total fuel cost, instead of Rs.4519.053 million claimed by CPPA-G.
14. The Authority, after incorporating the aforementioned adjustments, has reviewed and assessed a decrease of Rs.2.2195/kWh in the applicable tariff for XWDISCOs on account of variations in the fuel charges for the month of December 2016 as per the following details:

|  |                 |
|--|-----------------|
| Actual Fuel Charges Component for December 2016              | Rs. 5.8842/kWh  |
| Corresponding Reference Fuel Charges Component               | Rs. 8.1037/kWh  |
| Fuel Price Variation for the month of December 2016-Decrease | (Rs.2.2195/kWh) |


15. In view of the aforementioned, the Authority has decided that adjustment as referred to in Para 14 above:

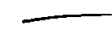


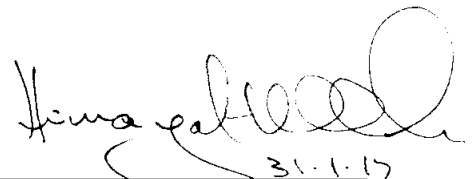


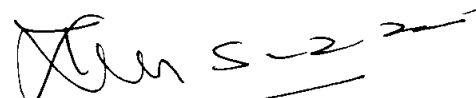
- a. Shall be applicable to all the consumer categories except lifeline consumers, domestic consumers consuming up-to 300 units and Agriculture Consumers of all the XWDISCOs. It is hereby clarified that negative adjustment on account of monthly FCA is also applicable to the domestic consumers having Time of Use (ToU) meters irrespective of their consumption level.
- b. Shall be shown separately in the consumers' bills on the basis of units billed to the consumers in the month of December 2016.
- c. XWDISCOs shall reflect the fuel charges adjustment in respect of December 2016 in the billing month of February 2016.
- d. While effecting the Fuel Adjustment Charges, the concerned XWDISCOs shall keep in view and strictly comply with the orders of the courts notwithstanding this order.

AUTHORITY

  
Syed Masood-ul-Hassan Naqvi 30/1/16.  
Member

  
Maj (R) Haroon Rashid  
Member

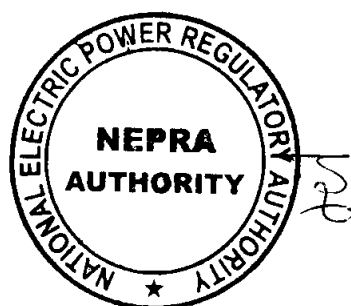
  
Himayat Ullah Khan 31.1.17.  
Vice Chairman

  
Brig (R) Tariq Saddozai  
Chairman



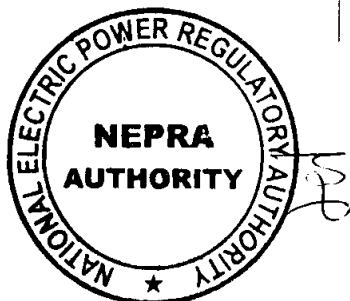
CENTRAL POWER PURCHASING AGENCY (CPPA)  
Energy Procurement Report (Provisional)  
Dec/2016

| S.No.               | Power Producer        | Fuel     | Dep. Capacity (MW) | Energy KWh     | FCC Rs.       | VO&M Rs.       | Total Energy Cost (Rs.) |
|---------------------|-----------------------|----------|--------------------|----------------|---------------|----------------|-------------------------|
| 1                   | Hydel                 |          |                    |                |               |                |                         |
|                     | WAPDA                 | Hydel    | 6,902.00           | 1,588,465,547  | -             | 172,793,282    | 172,793,282             |
|                     | Jagran                | Hydel    | 30.00              | (57,650)       | -             | (115,185)      | -115,185                |
|                     | Pahura                | Hydel    | 17.90              | 3,837,600      | -             | 1,093,716      | 1,093,716               |
|                     | Malakand-III SHYDO    | Hydel    | 81.46              | 11,950,000     | -             | 2,987,500      | 2,987,500               |
|                     | Larab                 | Hydel    | 84.00              | 36,453,000     | -             | 11,912,738     | 11,912,738              |
|                     | Hydel Total:          |          | 7,115.38           | 1,842,648,497  | -             | 188,672,853    | 188,672,853             |
| 2                   | Es-WAPDA GENCOs       |          |                    |                |               |                |                         |
|                     | GENCO-I               |          |                    |                |               |                |                         |
|                     | Jamshoro Block 1      | RFO      | 205.00             | 91,125,500     | 888,945,945   | 8,429,109      | 897,375,054             |
|                     | Jamshoro Block 2      | RFO      | 470.00             | 74,237,418     | 775,240,236   | 6,868,961      | 782,107,199             |
|                     | Unit 2-4              | Gas      |                    | 27,160,082     | 228,978,055   | 2,512,308      | 229,488,383             |
|                     | Kotri 3-7             | Gas      | 105.50             | 27,880,000     | 203,738,948   | 2,579,908      | 206,317,846             |
|                     | Jamshoro Total        |          | 798.50             | 220,403,000    | 2,094,901,184 | 20,307,278     | 2,115,288,402           |
|                     | GENCO-II              |          |                    |                |               |                |                         |
|                     | Quddu CC 11-13        | Gas      | 390                | 72,971,175     | 665,934,943   | 5,027,714      | 670,982,657             |
|                     | Central Block 2       | Gas      |                    | 244,935,279    | 1,655,689,005 | 16,878,041     | 1,672,565,046           |
|                     | Quddu CC 5-10         | Gas      | 530                | 3,671,187      | 37,224,001    | 252,945        | 37,478,948              |
|                     | Central Block 3       | Gas      | 340                | 66,964,959     | 543,192,981   | 4,613,886      | 547,806,847             |
|                     | Quddu 747 (CC)        | Gas      | 720.79             | 184,079,764    | 910,472,886   | 79,371,151     | 989,844,037             |
|                     | Quddu 747 (OC)        | Gas      |                    | 60,687,236     | 598,482,324   |                | 598,482,324             |
|                     | Central Total         |          | 2,120.79           | 653,289,600    | 4,410,998,120 | 108,141,736    | 4,517,137,856           |
|                     | GENCO-III             |          |                    |                |               |                |                         |
|                     | Northern Block 1      | RFO      | 556.00             | 207,639,461    | 2,194,672,628 | 33,907,524     | 2,228,780,152           |
|                     | MG Unit 1-3           | Gas      |                    |                |               |                | 0                       |
|                     | Northern Block 2      | RFO      | 270.00             | 96,086,543     | 1,013,336,839 | 16,017,532     | 1,029,354,371           |
|                     | MG Unit 4             | Gas      |                    |                |               |                | 0                       |
| Northern Block 3    | RFO                   | 360.00   | 73,014,078         | 814,381,378    | 11,972,189    | 826,363,587    |                         |
| Nandipur            | RFO                   | 411.35   | 5,615,000          | 55,677,851     | 2,646,490     | 58,528,341     |                         |
| HSD                 |                       |          |                    |                |               | 0              |                         |
| Adjustment          |                       |          |                    |                |               | 0              |                         |
| Northern Total:     |                       | 1,979.35 | 384,655,082        | 4,078,268,696  | 64,746,735    | 4,143,014,431  |                         |
| GENCO-IV            |                       |          |                    |                |               |                |                         |
|                     | Coal                  | 31.20    | 2,531,000          | 11,388,984     | 524,676       | 11,913,678     |                         |
| Total:              |                       | 31.20    | 2,531,000          | 11,388,984     | 524,676       | 11,913,678     |                         |
| COE Total:          |                       | 5,354.64 | 1,260,876,862      | 10,595,554,994 | 191,799,424   | 10,787,354,419 |                         |
| 3                   | IPPs                  |          |                    |                |               |                |                         |
|                     | Kot Addu Block 1      | RFO      | 325                | 220,681,700    | 1,616,340,874 | 100,872,060    | 1,717,212,934           |
|                     |                       | RLNG     |                    | 15,597,000     | 104,226,734   | 4,110,000      | 108,336,734             |
|                     |                       | HSD      |                    | 36,800         | 409,869       | 9,736          | 419,607                 |
|                     | Kot Addu Block 2      | RFO      | 762                | 219,601,400    | 1,793,347,020 | 141,295,358    | 1,934,842,379           |
|                     |                       | RLNG     |                    | 4,706,300      | 34,485,334    | 1,450,641      | 35,945,875              |
|                     |                       | HSD      |                    | 3,565,808      | 45,399,744    | 3,225,841      | 48,615,585              |
|                     | KAPCO Total:          |          | 1,336.00           | 464,209,000    | 3,594,209,575 | 250,963,839    | 3,845,173,214           |
|                     | Hub Power             | RFO      | 1,200.00           | 647,431,000    | 5,586,101,385 | 113,364,991    | 5,699,488,356           |
|                     | Kohinoor Energy       | RFO      | 124.00             | 66,522,000     | 537,199,223   | 39,332,197     | 576,531,428             |
|                     | AES Lalpur            | RFO      | 350.00             | 157,854,100    | 1,368,388,515 | 28,735,275     | 1,397,183,790           |
|                     | Pak Gen Power Limited | RFO      | 348.80             | 149,109,300    | 1,311,713,916 | 25,254,195     | 1,336,968,111           |
|                     | Southern Power        | RFO      | 110.47             |                |               |                |                         |
|                     | Habibullah            | Gas      | 128.16             | 45,382,788     | 228,564,343   | 22,860,962     | 249,445,325             |
|                     | Fauji Kabirwala       | Gas      | 161.28             | 102,322,640    | 725,481,952   | 76,043,924     | 801,505,779             |
|                     | Roush                 | RLNG     | 385.80             | 272,271,176    | 1,918,843,448 | 75,745,842     | 1,994,389,290           |
|                     | Saba Power            | RFO      | 125.55             | 36,665,828     | 338,411,060   | 6,553,856      | 344,964,918             |
|                     | Japan Power           | RFO      | 107.80             |                |               |                |                         |
|                     | Uch                   | Gas      | 551.25             | 416,891,000    | 1,103,262,174 | 98,366,278     | 1,201,648,456           |
| Altern              | Gas                   | 27.12    | 10,403,630         | 68,994,717     | 7,089,170     | 78,083,887     |                         |
| Liberty             | Gas                   | 211.65   | 120,775,400        | 628,878,538    | 41,351,161    | 870,229,719    |                         |
| Davis Energen       | RLNG                  | 10.00    | 4,834,837          | 31,847,394     | 2,050,908     | 33,898,302     |                         |
| Chashma Nuclear-I   | Nucl.                 | 300.00   | 212,397,000        | 267,195,426    |               | 287,195,426    |                         |
| Chashma Nuclear-II  | Nucl.                 | 316.00   |                    |                |               | 0              |                         |
| Chashma Nuclear-III | Nucl.                 | 340.00   | 229,295,000        |                |               | 0              |                         |
| Chashma Nuclear-IV  | Nucl.                 | 325.00   |                    |                |               | 0              |                         |
| Tavarr Iran         | Import                | 96.80    | 32,046,628         | 340,655,856    |               | 340,655,856    |                         |
| Sub-Total:          |                       | 6,553.19 | 2,979,591,509      | 16,045,507,302 | 765,752,336   | 18,811,259,640 |                         |



**CENTRAL POWER PURCHASING AGENCY (CPPA)**  
**Energy Procurement Report (Provisional)**  
**Dec/2016**

| S.No.                               | Power Producer         | Fuel    | Dep. Capacity (MW) | Energy KWh     | FCC Rs.        | VO&M Rs.      | Total Energy Cost (Rs.) |
|-------------------------------------|------------------------|---------|--------------------|----------------|----------------|---------------|-------------------------|
| 1                                   | Attock-Gen             | RFO     | 158.16             | 88,337,527     | 639,253,935    | 82,889,434    | 722,123,369             |
| 2                                   | Atlas Power            | RFO     | 213.86             | 111,714,048    | 888,530,719    | 103,100,885   | 891,631,604             |
| 3                                   | Nisbat Power           | RFO     | 195.31             | 96,678,762     | 722,408,738    | 89,222,984    | 811,631,722             |
| 4                                   | Foundation Power       | Gas     | 171.48             | 36,152,907     | 206,901,393    | 13,633,261    | 220,534,854             |
| 5                                   | Orient                 | Gas     | 212.76             |                |                |               | 0                       |
| 6                                   | Nisbat Chunian         | HSD     |                    | 19,713,687     | 223,750,347    | 6,947,101     | 230,697,448             |
| 7                                   | Saf Power              | RFO     | 195.72             | 107,673,969    | 844,536,670    | 99,135,423    | 943,674,093             |
| 8                                   | Engro Energy           | Gas     | 203.89             |                |                |               | 0                       |
|                                     |                        | HSD     |                    | 9,023,083      | 102,863,146    | 4,763,268     | 107,626,432             |
| 9                                   | Sapphire Power         | Gas     | 212.98             | 153,913,619    | 767,818,461    | 50,283,579    | 818,102,040             |
| 10                                  |                        | HSD     |                    |                |                |               | 0                       |
| 11                                  |                        | Gas     | 203.17             |                |                |               | 0                       |
| 12                                  |                        | HSD     |                    | 17,675,040     | 215,458,738    | 9,228,371     | 224,685,108             |
| 13                                  | Hubco Narowal          | RFO     | 213.82             | 116,160,524    | 974,754,598    | 102,994,452   | 1,077,749,048           |
| 14                                  | Liberty Power          | RFO     | 196.14             | 102,835,893    | 764,780,184    | 105,869,346   | 870,648,530             |
| 15                                  | Haimora                | Gas     | 199.24             |                |                |               | 0                       |
| 16                                  |                        | HSD     |                    | 10,584,320     | 141,972,321    | 5,613,923     | 147,586,244             |
| 17                                  | Uch-II                 | Gas     | 380.75             | 251,229,679    | 1,244,420,664  | 54,943,975    | 1,299,364,839           |
| 18                                  | JDW-I                  | Bagasse | 26.35              | 13,735,700     | 82,169,705     | 6,304,686     | 88,474,391              |
| 19                                  | JDW-II                 | Bagasse | 26.35              | 14,374,790     | 85,992,888     | 6,598,029     | 92,590,887              |
| 20                                  | RYK                    | Bagasse | 24.01              | 13,827,400     | 62,718,272     | 6,346,777     | 69,065,049              |
| 21                                  | Chinot Power           | Bagasse | 62.40              | 23,797,640     | 142,362,242    | 10,923,117    | 153,285,359             |
| 22                                  | Fatima Energy          | Bagasse | 118.80             | 4,045,790      |                |               |                         |
| Sub-Total:                          |                        |         | 3,013.15           | 1,191,492,378  | 8,130,695,200  | 758,778,638   | 8,889,471,838           |
| IPP's Total:                        |                        |         | 9,566.34           | 4,171,083,887  | 26,176,202,502 | 1,544,628,976 | 27,720,731,478          |
| Others                              |                        |         |                    |                |                |               |                         |
| 1                                   | TPS-Quetta             | Gas     | 25.00              | (37,000)       | (318,200)      | (2,549)       | -320,749                |
| 2                                   | Zorlu                  | Wind    | 56.40              | 3,858,720      |                | 25,077        | 25,077                  |
| 3                                   | FFCEL                  | Wind    | 49.50              | 3,324,410      |                | 19,751        | 19,751                  |
| 4                                   | TGF                    | Wind    | 49.50              | 3,916,800      |                | 27,280        | 27,280                  |
| 5                                   | Foundation             | Wind    | 49.50              | 6,598,530      |                | 38,938        | 38,938                  |
| 6                                   | Sapphire Wind Power    | Wind    | 49.50              | 5,032,720      |                | 29,880        | 29,880                  |
| 7                                   | Yonus Energy Ltd.      | Wind    | 49.50              | 5,857,420      |                | 34,225        | 34,225                  |
| 8                                   | Metro Wind Power       | Wind    | 49.50              | 6,590,930      |                | 29,000        | 29,000                  |
| 9                                   | Gul Ahmad Wind Power   | Wind    | 49.50              | 6,035,910      |                | 35,297        | 35,297                  |
| 10                                  | Maater Wind Power      | Wind    | 49.50              | 5,023,230      |                | 35,356        | 35,356                  |
| 11                                  | Tenaga Generasi        | Wind    | 49.50              | 3,184,280      |                |               |                         |
| 12                                  | Tepal Wind             | Wind    | 49.50              | 3,709,090      |                | 21,675        | 21,675                  |
| 13                                  | Quid-e-Azam Solar Park | Solar   | 100.00             | 10,294,240     |                | 25,463,832    | 25,463,832              |
| 14                                  | Appollo Solar Park     | Solar   | 100.00             | 10,720,590     |                | 26,518,451    | 26,518,451              |
| 15                                  | Best Green Energy      | Solar   | 100.00             | 11,063,420     |                | 27,366,476    | 27,366,476              |
| 16                                  | Crest Energy           | Solar   | 100.00             | 11,081,950     |                | 27,412,312    | 27,412,312              |
| 17                                  | SPPs                   | Mixed   | 258.90             | 27,794,214     | 162,184,016    |               | 182,184,016             |
| Others Total                        |                        |         | 1,233.30           | 126,046,254    | 161,865,816    | 107,054,980   | 289,920,797             |
| 3-Total:                            |                        |         | 23,269.84          | 7,199,657,320  | 36,953,823,312 | 2,032,055,434 | 38,985,678,746          |
| <b>Summary</b>                      |                        |         |                    |                |                |               |                         |
| 1                                   | Hydel                  |         |                    | 1,642,646,497  |                | 188,672,053   | 1,831,318,550           |
| 2                                   | Coal                   |         |                    | 2,531,000      | 11,386,994     | 524,676       | 11,913,670              |
| 3                                   | HSD                    |         |                    | 60,616,730     | 729,844,165    | 29,786,260    | 758,830,425             |
| 4                                   | F.O.                   |         |                    | 2,673,301,851  | 23,126,203,894 | 1,116,642,274 | 24,242,845,968          |
| 5                                   | Gas                    |         |                    | 1,855,344,725  | 9,613,695,363  | 475,842,642   | 10,289,538,005          |
| 6                                   | RLNG                   |         |                    | 298,609,315    | 2,089,212,910  | 63,357,391    | 2,172,570,301           |
| 7                                   | Nuclear                |         |                    | 441,692,000    | 287,195,426    |               | 287,195,426             |
| 8                                   | Import from Iran       |         |                    | 32,048,828     | 340,655,656    |               | 340,655,656             |
| 9                                   | Wind Power             |         |                    | 54,128,840     |                | 298,459       | 298,459                 |
| 10                                  | Solar                  |         |                    | 43,160,200     |                | 106,761,071   | 106,761,071             |
| 11                                  | Bagasse                |         |                    | 69,781,320     | 393,243,088    | 30,172,608    | 423,415,698             |
| 12                                  | Mixed                  |         |                    | 27,794,214     | 182,184,016    |               | 182,184,016             |
| Total For The month                 |                        |         |                    | 7,199,657,320  | 36,953,823,312 | 2,032,055,434 | 38,985,678,746          |
| Prev. Adjustment                    |                        |         |                    |                | 6,736,490,681  | 78,254,254    | 8,814,744,935           |
| Grand Total:                        |                        |         |                    | 7,199,657,320  | 43,690,313,993 | 2,110,309,688 | 45,800,423,681          |
| <b>Energy Sale Price</b>            |                        |         |                    |                |                |               |                         |
| Energy Cost (Rs.)                   |                        |         |                    | 43,690,313,993 | 2,110,309,688  |               | 45,800,423,681          |
| Cost not chargeable to DISCOs (Rs.) |                        |         |                    | 91,630,662     |                |               | 91,630,662              |
| EPP (Chargeable) (Rs.)              |                        |         |                    | 43,598,683,331 | 2,110,309,688  |               | 46,708,993,019          |
| Energy Sold (KWh)                   |                        |         |                    | 6,982,119,946  | 6,982,119,946  |               | 6,982,119,946           |
| Avg. Rate (Rs./KWh)                 |                        |         |                    | 6.244305       | 0.302245       |               | 6.546549                |





## ACTUAL

## ANNEX-II

| Source Wise Generation |                 |                |                 |                |                 |                |
|------------------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|
| Sources                | DECEMBER 2015   |                | DECEMBER 2016   |                |                 |                |
|                        | Actual          |                | Reference       |                | Actual          |                |
|                        | GWh             | %              | GWh             | %              | GWh             | %              |
| Hydel                  | 1,802.71        | 26.20%         | 1,917.84        | 26.49%         | 1,642.65        | 22.82%         |
| Coal                   | 10.00           | 0.15%          | -               | 0.00%          | 2.53            | 0.04%          |
| HSD                    | 99.42           | 1.45%          | 125.53          | 1.73%          | 60.62           | 0.84%          |
| RFO                    | 2,484.42        | 36.11%         | 2,790.66        | 38.54%         | 2,673.30        | 37.13%         |
| Gas/ RLNG              | 2,087.55        | 30.34%         | 1,875.56        | 25.90%         | 2,151.95        | 29.89%         |
| Nuclear                | 226.37          | 3.29%          | 373.84          | 5.16%          | 441.69          | 6.13%          |
| Import Iran            | 34.66           | 0.50%          | 35.55           | 0.49%          | 32.05           | 0.45%          |
| Mixed                  | 31.96           | 0.46%          | 104.27          | 1.44%          | 27.79           | 0.39%          |
| Wind                   | 36.09           | 0.52%          | 15.00           | 0.21%          | 54.13           | 0.75%          |
| Baggasse               | 55.72           | 0.81%          | 1.96            | 0.03%          | 69.78           | 0.97%          |
| Solar                  | 10.87           | 0.16%          | -               | 0.00%          | 43.16           | 0.60%          |
| <b>Total</b>           | <b>6,879.77</b> | <b>100.00%</b> | <b>7,240.21</b> | <b>100.00%</b> | <b>7,199.66</b> | <b>100.00%</b> |
| Sale to IPPs           | (6.32)          | -0.09%         |                 | 0.00%          | (4.86)          | -0.07%         |
| Transmission Losses    | (199.65)        | -2.90%         | (217.21)        | -3.00%         | (212.68)        | -2.95%         |
| Net Delivered          | <b>6,673.80</b> | <b>97.01%</b>  | <b>7,023.01</b> | <b>97.00%</b>  | <b>6,982.12</b> | <b>96.98%</b>  |

## Source Wise Fuel Cost/Energy Purchase Price

| Sources              | DECEMBER 2015    |               | DECEMBER 2016    |               |                  |               |
|----------------------|------------------|---------------|------------------|---------------|------------------|---------------|
|                      | Actual           |               | Reference        |               | Actual           |               |
|                      | Mlns. Rs.        | Rs./kWh       | Mlns. Rs.        | Rs./kWh       | Mlns. Rs.        | Rs./kWh       |
| Hydel                | -                | -             | -                | -             | -                | -             |
| Coal                 | 44.99            | 4.4998        | -                | -             | 11.39            | 4.4998        |
| HSD                  | 1,342.97         | 13.5080       | 2,429.28         | 19.3522       | 729.84           | 12.0399       |
| RFO                  | 17,411.91        | 7.0084        | 42,559.16        | 15.2506       | 23,126.20        | 8.6508        |
| Gas/RLNG             | 12,109.80        | 5.8010        | 9,981.86         | 5.3221        | 11,903           | 5.5312        |
| Nuclear              | 242.06           | 1.0693        | 494.27           | 1.3221        | 267.20           | 0.6049        |
| Import Iran          | 363.94           | 10.5000       | 375.04           | 10.550        | 340.66           | 10.6300       |
| Mixed                | 229.99           | 7.1954        | 1,061.44         | 10.18005      | 182.18           | 6.5547        |
| Wind                 | -                | -             | -                | -             | -                | -             |
| Baggasse             | 324.86           | 5.8304        | 11.3121          | 5.7702        | 393.24           | 5.6354        |
| Solar                | -                | -             | -                | -             | -                | -             |
| <b>Total</b>         | <b>32,070.52</b> | <b>4.6616</b> | <b>56,912.36</b> | <b>7.8606</b> | <b>36,953.62</b> | <b>5.1327</b> |
| Supplemental Charges | 4,446.59         | 0.6463        |                  | -             | 6,736.49         | 0.9357        |
| Sale to IPPs         | (111.39)         | (17.6306)     |                  | -             | (91.63)          | (18.8699)     |
| <b>Grand Total</b>   | <b>36,405.72</b> | <b>5.2917</b> | <b>56,912.36</b> | <b>7.8606</b> | <b>43,598.48</b> | <b>6.0556</b> |
| Transmission Losses  | -                | 0.1633        |                  | 0.2431        |                  | 0.1887        |
| <b>Net Total</b>     | <b>36,405.72</b> | <b>5.4550</b> | <b>56,912.36</b> | <b>8.1037</b> | <b>43,598.48</b> | <b>6.2443</b> |

To Be Published in  
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National Electric Power Regulatory Authority



NOTIFICATION

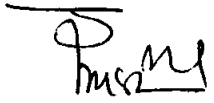
Islamabad, the January 31, 2017

*50*  
**S.R.O.** (I)/2017: – Pursuant to Section 31(4) of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 as amended through Regulation of Generation, Transmission and Distribution of Electric Power (Amendment) Act 2011, the National Electric Power Regulatory Authority makes and notifies the following adjustment in the approved tariff on account of variation in fuel charges for the month of December 2016 in respect of Ex-WAPDA Distribution Companies (XWDISCOs):

|   |                         |
|---|-------------------------|
| Actual Fuel Charges Component for December 2016                         | Rs. 5.8842/kWh          |
| Corresponding Reference Fuel Charges Component                          | Rs. 8.1037/kWh          |
| <b>Fuel Price Variation for the month of December 2016 - (Decrease)</b> | <b>(Rs. 2.2195/kWh)</b> |

Note: The Authority has reviewed and assessed a decrease of (Rs. 2.2195/kWh) in the applicable tariff for XWDISCOs on account of variation in the fuel charges for the month of December 2016 as per the above details.

- The above adjustment a decrease of (Rs.2.2195/kWh) shall be applicable to all the consumer categories except lifeline consumers, domestic consumers consuming upto 300 units and agriculture consumers of all the XWDISCOs. It is hereby clarified that negative adjustment on account of monthly FCA is also applicable to the domestic consumers having Time of Use (ToU) meters irrespective of their consumption level.
- The said adjustment shall be shown separately in the consumers' bills on the basis of units billed to the consumers in the month of December 2016 by the XWDISCOs. XWDISCOs shall reflect the fuel charges adjustment in respect of December 2016 in the billing month of February 2017.
- While affecting the Fuel Adjustment Charges, the concerned XWDISCOs shall keep in view and strictly comply with the orders of the courts notwithstanding this order.

*M. Saif*  
*2~*  
  
(Syed Safer Hussain)  
31.01.17  
Registrar