



भारत सरकार  
Government of India  
विद्युत मंत्रालय  
Ministry of Power  
उत्तर क्षेत्रीय विद्युत समिति  
Northern Regional Power Committee

सं. उक्षेविस/वाणिज्यिक/234/ आ.वि.आ.से./2020/6967-90  
No. NRPC/Comml/234/ RRAS/2020/

दिनांक : 08 जुलाई, 2020  
Date: 08<sup>th</sup> July, 2020

सेवामें/To,

संलग्न सूची के अनुसार  
As per list enclosed

विषय: दिनांक 22 से 28 जून, 2020 के सप्ताह का आरक्षित विनियम आनुषंगिक सेवा लेखा, ए.जी.सी. लेखा तथा एफ. आर. ए. एस लेखा ।

**Subject: Accounts of Reserves Regulation Ancillary Services, AGC and FRAS for the week 22<sup>nd</sup> to 28<sup>th</sup> June 2020. (सप्ताह सं. WEEK No. 13/ वि.व. F.Y. 2020-21)**

महोदय/Sir,

केंद्रीय विद्युत विनियामक आयोग (आनुषंगिक सेवा प्रचालन) विनियम, 2015 व सम्बंधित विस्तृत क्रियाविधि के अनुसार तैयार किये गए दिनांक 22 से 28 जून, 2020 के सप्ताह के आरक्षित विनियम आनुषंगिक सेवा व्यवस्थापन लेखा तथा याचिका संख्या 79/RC/2017 एवं 07/SM/2018 में आयोग के आदेशानुसार तैयार किये गए ए.जी.सी. लेखा तथा एफ. आर. ए. एस लेखा का विवरण संलग्न है ।

Please find enclosed herewith the RRAS Settlement Account prepared in accordance with Central Electricity Regulatory Commission (Ancillary Services Operations) Regulations, 2015 and Detailed Procedure for Ancillary Services Operations and Account for A.G.C. and F.R.A.S. in accordance with 22<sup>nd</sup> to 28<sup>th</sup> June 2020.

अनुलग्नक – यथोपरि ।  
Encl.: As above.

भवदीय  
Yours faithfully,

-sd-  
(आर.पी.प्रधान)  
(R.P.Pradhan)  
अधीक्षण अभियंता  
Superintending Engineer

## Northern Regional Power Committee

**RRAS Settlement Account For The Week 22/06/2020 To 28/06/2020**

## FORMAT - AS7

## A. Payment to the RRAS Provider(s) from the DSM Pool for Up Regulation

| <b>Sr. No.</b> | <b>RRAS Provider Name</b> | <b>Energy<br/>scheduled to<br/>VAE under<br/>RRAS<br/>(MWh)</b> | <b>Fixed<br/>Charges<br/>(Rs)</b> | <b>Variable<br/>Charges<br/>(Rs)</b> | <b>Markup as<br/>per CERC<br/>Order (Rs)</b> | <b>Total<br/>Charges<br/>(Rs)</b> |
|----------------|---------------------------|-----------------------------------------------------------------|-----------------------------------|--------------------------------------|----------------------------------------------|-----------------------------------|
| 1              | DADRI-II TPS              | 87.0000                                                         | 125018                            | 311198                               | 43500                                        | 479716                            |
| 2              | RIHAND STPS               | 869.0825                                                        | 733506                            | 1250610                              | 434541                                       | 2418657                           |
| 3              | RIHAND-II STPS            | 679.2250                                                        | 478174                            | 975367                               | 339612                                       | 1793153                           |
| 4              | RIHAND-III STPS           | 963.8600                                                        | 1390851                           | 1365789                              | 481930                                       | 3238570                           |
| 5              | SINGRAULI STPS            | 488.0875                                                        | 319698                            | 698941                               | 244044                                       | 1262683                           |
| 6              | TANDA-II STPS             | 1112.2525                                                       | 1782942                           | 2836245                              | 556127                                       | 5175314                           |
| 7              | UNCHAHAHAR-I TPS          | 168.7100                                                        | 182376                            | 566528                               | 84355                                        | 833259                            |
| 8              | UNCHAHAHAR-II TPS         | 279.2500                                                        | 281763                            | 946099                               | 139625                                       | 1367487                           |
| 9              | UNCHAHAHAR-III TPS        | 157.5000                                                        | 212152                            | 528884                               | 78750                                        | 819786                            |
| 10             | UNCHAHAHAR-IV TPS         | 537.8400                                                        | 838493                            | 1701726                              | 268920                                       | 2809139                           |
| 11             | AURAIYA RF                | 24.0000                                                         | 15191                             | 141289                               | 12000                                        | 168480                            |
| 12             | DADRI GF                  | 118.0000                                                        | 67968                             | 293939                               | 59000                                        | 420907                            |
| Total          |                           |                                                                 |                                   |                                      |                                              | 20787151                          |

Northern Regional Power Committee

**RRAS Settlement Account For The Week 22/06/2020 To 28/06/2020**

FORMAT - AS7

B. Payment by the RRAS Provider(s) to the DSM Pool for the Down Regulation

| <b>Sr. No.</b> | <b>RRAS Provider Name</b> | <b>Energy<br/>scheduled from<br/>VAE under<br/>RRAS (MWh)</b> | <b>Total Variable<br/>Charges for<br/>generation<br/>reduced(Rs)</b> | <b>Variable charges<br/>to be paid to the<br/>DSM Pool(Rs)</b> |
|----------------|---------------------------|---------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------|
| 1              | DADRI-II TPS              | 63.2500                                                       | 226245                                                               | 169684                                                         |
| 2              | TANDA-II STPS             | 43.5000                                                       | 110925                                                               | 83194                                                          |
| Total          |                           |                                                               |                                                                      | 252878                                                         |

Northern Regional Power Committee

**RRAS Settlement Account For The Week 22/06/2020 To 28/06/2020**

FORMAT - AS7

C. Reimbursement of Fixed Charges by RRAS Provider to the Original Beneficiaries

| Sr. No. | RRAS Provider Name       | Energy scheduled to VAE under RRAS (MWh) | Fixed Charges to be refunded (Rs) | To Beneficiary Name |
|---------|--------------------------|------------------------------------------|-----------------------------------|---------------------|
| 1       | <b>DADRI-II TPS :-</b>   |                                          |                                   |                     |
|         |                          | 0.3641                                   | 523                               | CHANDIGARH          |
|         |                          | 56.1251                                  | 80651                             | DELHI               |
|         |                          | 0.6318                                   | 908                               | HIMACHAL PRADESH    |
|         |                          | 1.6084                                   | 2311                              | JAMMU AND KASHMIR   |
|         |                          | 1.2436                                   | 1787                              | MADHYA PRADESH      |
|         |                          | 1.5165                                   | 2179                              | PUNJAB              |
|         |                          | 19.0876                                  | 27429                             | RAJASTHAN           |
|         |                          | 0.6565                                   | 943                               | UTTARAKHAND         |
|         |                          | 5.7666                                   | 8287                              | UTTAR PRADESH       |
|         | Total                    | 87.0002                                  | 125018                            |                     |
| 2       | <b>RIHAND STPS :-</b>    |                                          |                                   |                     |
|         |                          | 17.8361                                  | 15053                             | CHANDIGARH          |
|         |                          | 82.5300                                  | 69655                             | DELHI               |
|         |                          | 141.9424                                 | 119799                            | HIMACHAL PRADESH    |
|         |                          | 19.4613                                  | 16425                             | HARYANA             |
|         |                          | 25.7842                                  | 21762                             | JAMMU AND KASHMIR   |
|         |                          | 46.5769                                  | 39311                             | PUNJAB              |
|         |                          | 97.2123                                  | 82048                             | RAJASTHAN           |
|         |                          | 25.5271                                  | 21545                             | UTTARAKHAND         |
|         |                          | 412.2125                                 | 347908                            | UTTAR PRADESH       |
|         | Total                    | 869.0828                                 | 733506                            |                     |
| 3       | <b>RIHAND-II STPS :-</b> |                                          |                                   |                     |
|         |                          | 9.1321                                   | 6429                              | CHANDIGARH          |
|         |                          | 62.8950                                  | 44277                             | DELHI               |
|         |                          | 103.1454                                 | 72615                             | HIMACHAL PRADESH    |
|         |                          | 44.3966                                  | 31255                             | HARYANA             |
|         |                          | 39.7693                                  | 27998                             | JAMMU AND KASHMIR   |
|         |                          | 83.1852                                  | 58562                             | PUNJAB              |
|         |                          | 74.0026                                  | 52098                             | RAJASTHAN           |
|         |                          | 8.8062                                   | 6200                              | UTTARAKHAND         |
|         |                          | 253.8925                                 | 178740                            | UTTAR PRADESH       |
|         | Total                    | 679.2249                                 | 478174                            |                     |

## Northern Regional Power Committee

## RRAS Settlement Account For The Week 22/06/2020 To 28/06/2020

## FORMAT - AS7

## C. Reimbursement of Fixed Charges by RRAS Provider to the Original Beneficiaries

| Sr. No. | RRAS Provider Name         | Energy scheduled to VAE under RRAS (MWh) | Fixed Charges to be refunded (Rs) | To Beneficiary Name |
|---------|----------------------------|------------------------------------------|-----------------------------------|---------------------|
| 4       | <b>RIHAND-III STPS :-</b>  |                                          |                                   |                     |
|         |                            | 12.4565                                  | 17975                             | CHANDIGARH          |
|         |                            | 121.0787                                 | 174717                            | DELHI               |
|         |                            | 306.6835                                 | 442545                            | HIMACHAL PRADESH    |
|         |                            | 80.1632                                  | 115675                            | HARYANA             |
|         |                            | 49.6226                                  | 71606                             | JAMMU AND KASHMIR   |
|         |                            | 125.8154                                 | 181552                            | PUNJAB              |
|         |                            | 42.4561                                  | 61264                             | UTTARAKHAND         |
|         |                            | 225.5844                                 | 325517                            | UTTAR PRADESH       |
|         | Total                      | 963.8604                                 | 1390851                           |                     |
| 5       | <b>SINGRAULI STPS :-</b>   |                                          |                                   |                     |
|         |                            | 0.8680                                   | 569                               | CHANDIGARH          |
|         |                            | 59.1545                                  | 38747                             | DELHI               |
|         |                            | 0.7762                                   | 509                               | HIMACHAL PRADESH    |
|         |                            | 79.5750                                  | 52122                             | HARYANA             |
|         |                            | 83.0761                                  | 54415                             | PUNJAB              |
|         |                            | 82.0000                                  | 53710                             | RAJASTHAN           |
|         |                            | 0.2319                                   | 152                               | UTTARAKHAND         |
|         |                            | 182.4061                                 | 119474                            | UTTAR PRADESH       |
|         | Total                      | 488.0878                                 | 319698                            |                     |
| 6       | <b>TANDA-II STPS :-</b>    |                                          |                                   |                     |
|         |                            | 5.1941                                   | 8326                              | CHANDIGARH          |
|         |                            | 6.4148                                   | 10283                             | HIMACHAL PRADESH    |
|         |                            | 155.0582                                 | 248558                            | HARYANA             |
|         |                            | 204.6865                                 | 328114                            | JAMMU AND KASHMIR   |
|         |                            | 7.7231                                   | 12381                             | MADHYA PRADESH      |
|         |                            | 1.2859                                   | 2061                              | PUNJAB              |
|         |                            | 262.4704                                 | 420740                            | RAJASTHAN           |
|         |                            | 0.7464                                   | 1196                              | UTTARAKHAND         |
|         |                            | 468.6737                                 | 751283                            | UTTAR PRADESH       |
|         | Total                      | 1112.2531                                | 1782942                           |                     |
| 7       | <b>UNCHAHAHAR-I TPS :-</b> |                                          |                                   |                     |
|         |                            | 2.6806                                   | 2898                              | CHANDIGARH          |

Northern Regional Power Committee

**RRAS Settlement Account For The Week 22/06/2020 To 28/06/2020**

FORMAT - AS7

C. Reimbursement of Fixed Charges by RRAS Provider to the Original Beneficiaries

| Sr. No. | RRAS Provider Name         | Energy scheduled to VAE under RRAS (MWh) | Fixed Charges to be refunded (Rs) | To Beneficiary Name |
|---------|----------------------------|------------------------------------------|-----------------------------------|---------------------|
|         |                            | 0.6766                                   | 731                               | DELHI               |
|         |                            | 8.9016                                   | 9622                              | HIMACHAL PRADESH    |
|         |                            | 2.3364                                   | 2526                              | HARYANA             |
|         |                            | 30.8175                                  | 33314                             | JAMMU AND KASHMIR   |
|         |                            | 0.6910                                   | 747                               | MADHYA PRADESH      |
|         |                            | 71.4162                                  | 77202                             | PUNJAB              |
|         |                            | 43.3218                                  | 46831                             | RAJASTHAN           |
|         |                            | 7.8682                                   | 8505                              | UTTAR PRADESH       |
|         | Total                      | 168.7099                                 | 182376                            |                     |
| 8       | <b>UNCHAHAR-II TPS :-</b>  |                                          |                                   |                     |
|         |                            | 2.7004                                   | 2724                              | CHANDIGARH          |
|         |                            | 13.8640                                  | 13989                             | DELHI               |
|         |                            | 13.3372                                  | 13458                             | HIMACHAL PRADESH    |
|         |                            | 4.2538                                   | 4292                              | HARYANA             |
|         |                            | 48.6990                                  | 49138                             | JAMMU AND KASHMIR   |
|         |                            | 1.5917                                   | 1607                              | MADHYA PRADESH      |
|         |                            | 89.4589                                  | 90264                             | PUNJAB              |
|         |                            | 75.8821                                  | 76564                             | RAJASTHAN           |
|         |                            | 1.5297                                   | 1543                              | UTTARAKHAND         |
|         |                            | 27.9330                                  | 28184                             | UTTAR PRADESH       |
|         | Total                      | 279.2498                                 | 281763                            |                     |
| 9       | <b>UNCHAHAR-III TPS :-</b> |                                          |                                   |                     |
|         |                            | 1.1287                                   | 1520                              | CHANDIGARH          |
|         |                            | 13.0050                                  | 17517                             | DELHI               |
|         |                            | 9.3092                                   | 12540                             | HIMACHAL PRADESH    |
|         |                            | 2.8295                                   | 3811                              | HARYANA             |
|         |                            | 31.1332                                  | 41936                             | JAMMU AND KASHMIR   |
|         |                            | 1.1128                                   | 1499                              | MADHYA PRADESH      |
|         |                            | 30.6694                                  | 41313                             | PUNJAB              |
|         |                            | 51.7105                                  | 69654                             | RAJASTHAN           |
|         |                            | 1.1857                                   | 1597                              | UTTARAKHAND         |
|         |                            | 15.4161                                  | 20765                             | UTTAR PRADESH       |
|         | Total                      | 157.5001                                 | 212152                            |                     |

Northern Regional Power Committee

**RRAS Settlement Account For The Week 22/06/2020 To 28/06/2020**

FORMAT - AS7

C. Reimbursement of Fixed Charges by RRAS Provider to the Original Beneficiaries

| Sr. No. | RRAS Provider Name        | Energy scheduled to VAE under RRAS (MWh) | Fixed Charges to be refunded (Rs) | To Beneficiary Name |
|---------|---------------------------|------------------------------------------|-----------------------------------|---------------------|
| 10      | <b>UNCHAHAR-IV TPS :-</b> |                                          |                                   |                     |
|         |                           | 9.4871                                   | 14790                             | CHANDIGARH          |
|         |                           | 1.9179                                   | 2990                              | HIMACHAL PRADESH    |
|         |                           | 272.6584                                 | 425075                            | JAMMU AND KASHMIR   |
|         |                           | 5.9679                                   | 9304                              | MADHYA PRADESH      |
|         |                           | 11.0140                                  | 17171                             | PUNJAB              |
|         |                           | 174.6192                                 | 272230                            | RAJASTHAN           |
|         |                           | 11.0667                                  | 17253                             | UTTARAKHAND         |
|         |                           | 51.1098                                  | 79680                             | UTTAR PRADESH       |
|         | Total                     | 537.8410                                 | 838493                            |                     |
| 11      | <b>AURAIYA GPP:-</b>      |                                          |                                   |                     |
|         |                           | 0.537400                                 | 340                               | CHANDIGARH          |
|         |                           | 1.086000                                 | 688                               | DELHI               |
|         |                           | 0.853300                                 | 541                               | HIMACHAL PRADESH    |
|         |                           | 1.511500                                 | 956                               | HARYANA             |
|         |                           | 3.866700                                 | 2447                              | JAMMU AND KASHMIR   |
|         |                           | 0.064000                                 | 41                                | MADHYA PRADESH      |
|         |                           | 3.218300                                 | 2037                              | PUNJAB              |
|         |                           | 2.364800                                 | 1498                              | RAJASTHAN           |
|         |                           | 1.385400                                 | 877                               | UTTARAKHAND         |
|         |                           | 9.112300                                 | 5766                              | UTTAR PRADESH       |
|         | Total                     | 23.999700                                | 15191                             |                     |
| 12      | <b>DADRI GPP:-</b>        |                                          |                                   |                     |
|         |                           | 2.283800                                 | 1316                              | CHANDIGARH          |
|         |                           | 7.278700                                 | 4192                              | DELHI               |
|         |                           | 4.790600                                 | 2759                              | HIMACHAL PRADESH    |
|         |                           | 0.280200                                 | 161                               | HARYANA             |
|         |                           | 27.204800                                | 15671                             | JAMMU AND KASHMIR   |
|         |                           | 0.411100                                 | 237                               | MADHYA PRADESH      |
|         |                           | 5.517700                                 | 3178                              | PUNJAB              |
|         |                           | 5.264100                                 | 3033                              | RAJASTHAN           |
|         |                           | 12.340900                                | 7108                              | UTTARAKHAND         |
|         |                           | 52.628300                                | 30313                             | UTTAR PRADESH       |

Northern Regional Power Committee

**RRAS Settlement Account For The Week 22/06/2020 To 28/06/2020**

FORMAT - AS7

C. Reimbursement of Fixed Charges by RRAS Provider to the Original Beneficiaries

| <b>Sr. No.</b> | <b>RRAS Provider Name</b> | <b>Energy<br/>scheduled to<br/>VAE under<br/>RRAS (MWh)</b> | <b>Fixed Charges to<br/>be refunded (Rs)</b> | <b>To Beneficiary Name</b> |
|----------------|---------------------------|-------------------------------------------------------------|----------------------------------------------|----------------------------|
|                | Total                     | 118.000200                                                  | 67968                                        |                            |



Northern Regional Power Committee  
**RRAS Settlement Account For The Week 22/06/2020 To 28/06/2020**

D. Payment to the AGC Provider from the DSM Pool

| <b>Sr. No.</b> | <b>AGC Provider Name</b> | <b>Up regulation due to AGC (MWh)</b> | <b>Down regulation due to AGC (MWh)</b> | <b>Net Energy (MWh)</b> | <b>Variable charges (Rs)</b> | <b>Markup Charges as per CERC order (Rs)</b> | <b>Total Charges (Rs)</b> |
|----------------|--------------------------|---------------------------------------|-----------------------------------------|-------------------------|------------------------------|----------------------------------------------|---------------------------|
| 1              | DADRI-II TPS             | 2551.904856                           | 55.097121                               | 2496.807735             | 8931120                      | 1303501                                      | 10234621                  |

Note: Above calculations are based on the directions of Hon'ble CERC in order dated 06.12.2017 in Petition No. 79/RC/2017

Northern Regional Power Committee  
**RRAS Settlement Account For The Week 22/06/2020 To 28/06/2020**

E. Payment to the FRAS Provider from the DSM Pool

| Sr. No. | FRAS Provider Name | Up regulation due to FRAS (MWh) | Down regulation due to FRAS (MWh) | Markup Charges as per CERC order (Rs) |
|---------|--------------------|---------------------------------|-----------------------------------|---------------------------------------|
| 1       | CHAMERA HEP        | 0                               | 0                                 | 0                                     |
| 2       | CHAMERA-II HEP     | 0                               | 0                                 | 0                                     |
| 3       | CHAMERA-III HEP    | 0                               | 0                                 | 0                                     |
| 4       | DEHAR HEP          | 0                               | 0                                 | 0                                     |
| 5       | DULHASTI HEP       | 0                               | 0                                 | 0                                     |
| 6       | KOLDAM HEP         | 0                               | 0                                 | 0                                     |
| 7       | KOTESHWAR          | 0                               | 0                                 | 0                                     |
| 8       | NATHPA JHAKRI HEP  | 0                               | 0                                 | 0                                     |
| 9       | PONG HEP           | 0                               | 0                                 | 0                                     |
| 10      | PARBATI-III        | 0                               | 0                                 | 0                                     |
| 11      | RAMPUR HEP         | 0                               | 0                                 | 0                                     |
| 12      | SEWA-II HEP        | 0                               | 0                                 | 0                                     |
| 13      | TEHRI HEP          | 0                               | 0                                 | 0                                     |
| Total   |                    |                                 |                                   | 0                                     |

Note: Above calculations are based on the directions of Hon'ble CERC in order dated 16.07.2018 in Petition No. 07/SM/2018