

भारत सरकार
केन्द्रीय विद्युत प्राधिकरण
दक्षिण क्षेत्रीय विद्युत समिति
29, रेस कोर्स क्रॉस रोड
बेंगलुरु :-560 009



Government of India
Central Electricity Authority
Southern Regional Power Committee
29, Race Course Cross Road
BENGALURU - 560 009

Phone : 080 -2228 2516; FAX : 080-2225 9343; e-mail: secommlsrpc-ka@nic.in; web site: www.srpc.kar.nic.in

सं. दक्षेविस /अअ.1/4(आर आर ए एस)/2022/

No. SRPC/SE-1/4(RRAS)/2022/

दिनांक /Dated: 5-July, 2022

सेवा में / To

वितरण सूची के अनुसार

As per Distribution List

विषय: 20/06/22 से 26/06/22 तक के सप्ताह के लिए आरआरएएस लेखे की विवरणी।

Sub: RRAS Settlement Account Statement for the week of 20/06/22 to 26/06/22

महोदय /Sir,

सीईआरसी के(अनुषंगिक सेवाओं का प्रचालन) विनियम 2015, और सी. ई. आर. सी आदेश के अनुसार सिंहाद्री 2 टीपीएस साथ ही नए स्टेशनों के लिए ए जी सी खाता के साथ आनुषंगिक सेवाओं के प्रचालन के लिए विस्तृत कार्यविधान के विनियम 14 का पालन करते हुए दिनांक 20/06/22 से 26/06/22 तक के सप्ताह के लिए साप्ताहिक आरआरएएस ऊर्जा लेखे की विवरणी तैयार करके इस पत्र के साथ संलग्न किया गया है। इसे दक्षेविस का वेबसाइट www.srpc.kar.nic.in में भी अपलोड किया गया है।

The weekly statement of RRAS energy account for the week of 20-June-2022 to 26-June-2022, prepared in accordance with the Regulation 14 of the CERC (Ancillary Services Operations) Regulations, 2015 and Detailed Procedure for Ancillary Services Operations, including AGC account for Simhadri II TPS as per CERC order dated 6.12.2017 as well as new plants as per CERC Order No. 319/RC/2018 dated 28.08.2019 , is enclosed herewith. The same has been uploaded to the SRPC web site,www.srpc.kar.nic.in.

भवदीय, Yours faithfully

(मेका रामकृष्ण /MEKA RAMAKRISHNA)

अधीक्षण अभियन्ता(वा)/Superintending Engineer(C)

संलग्नक:यथोपरि Encl: as above

प्रेषिती सूची/Mailing List:

1. GM (Commercial),NTPC, Seundrabad
2. AGM (Commercial), NTPC Talcher Stg-II, Odisha
3. GM (Commercial), NTECL,Tiruvallur
4. DGM, Commercial, NLCIL, Neyvelli
5. DGM, NTPL, Tuticorin
6. CM, Planning, NNTPP

RRAS Settlement Account

From 20-June-2022 TO 26-June-2022

A. Payments to the RRAS Provider(s) from the DSM Pool for UP Regulation

| S.No | RRAS Provider | Energy scheduled to VAE under RRAS (MWh) | Fixed Charges (Rs) (A) | Variable Charges (Rs) (B) | Markup as per CERC Order (50 ps /Unit) (Rs) (C) | Total Charges (A+B+C) |
|------|--|--|------------------------|---------------------------|---|-----------------------|
| 1 | Ramagundam Super Thermal Power Station (U1-6) NTPC Ltd. | 4029.68 | 2933607 | 13185113 | 2014840 | 1,81,33,560 |
| 2 | Ramagundam Super Thermal Power Station (U7) NTPC Ltd. | 0 | 0 | 0 | 0 | 0 |
| 3 | Simhadri Super Thermal Power Station Stage II NTPC Ltd. | 1281.6975 | 1858461 | 4697421 | 640848.75 | 71,96,731 |
| 4 | Talcher Super Thermal Power Station Stage II NTPC Ltd. | 716.995 | 511934 | 1153645 | 358497.5 | 20,24,077 |
| 5 | Vallur Thermal Power Station NTECL Ltd. | 2238.335 | 3973045 | 8360181 | 1119167.5 | 1,34,52,394 |
| 6 | TPS-II Stage I NLC Ltd | 236.375 | 167826 | 646249 | 118187.5 | 9,32,263 |
| 7 | TPS-II Stage II NLC Ltd | 577.475 | 425022 | 1578817 | 288737.5 | 22,92,577 |
| 8 | TPS-I Expansion NLC Ltd | 429.0175 | 414002 | 1048090 | 214508.75 | 16,76,601 |
| 9 | TPS-II Expansion NLC Ltd | 187.6125 | 433197 | 484603 | 93806.25 | 10,11,606 |
| 10 | NTPL NTPL Ltd. | 2762.7975 | 4290625 | 11131311 | 1381398.75 | 1,68,03,335 |
| 11 | Simhadri Super Thermal Power Station Stage I NTPC Ltd. | 141.53 | 133321 | 550410 | 70765 | 7,54,496 |

| S.No | RRAS Provider | Energy scheduled to VAE under RRAS (MWh) | Fixed Charges (Rs) (A) | Variable Charges (Rs) (B) | Markup as per CERC Order (50 ps /Unit) (Rs) (C) | Total Charges (A+B+C) |
|------|--|--|------------------------|---------------------------|---|-----------------------|
| 12 | Kudgi Super Thermal Power Station Unit I NTPC Ltd. | 10983.4475 | 18320390 | 56158367 | 5491723.75 | 7,99,70,481 |
| 13 | NNTPP NLC Ltd. | 922.5775 | 1664330 | 2028748 | 461288.75 | 41,54,367 |
| | Total | 24507.54 | 35125760 | 101022955 | 12253770 | 14,84,02,485 |

B. Payments by the RRAS Provider(s) to the DSM Pool for DOWN Regulation

| S.No | RRAS Provider | Energy scheduled to VAE under RRAS (MWh) | Total Variable Charges for generation reduced (A) | Variable charges to be paid to the DSM Pool (B = 75% of A) |
|------|---|--|---|--|
| 1 | Ramagundam Super Thermal Power Station (U1-6) NTPC Ltd. | -456.9925 | -1495279 | 11,21,459 |
| 2 | Ramagundam Super Thermal Power Station (U7) NTPC Ltd. | 0 | 0 | 0 |
| 3 | Simhadri Super Thermal Power Station Stage II NTPC Ltd. | -532.48 | -1951539 | 14,63,654 |
| 4 | Talcher Super Thermal Power Station Stage II NTPC Ltd. | 0 | 0 | 0 |
| 5 | Vallur Thermal Power Station NTECL Ltd. | -570.085 | -2129267 | 15,96,950 |
| 6 | TPS-II Stage I NLC Ltd | -22.69 | -62034 | 46,526 |
| 7 | TPS-II Stage II NLC Ltd | -27.465 | -75089 | 56,317 |
| 8 | TPS-I Expansion NLC Ltd | -44.7025 | -109208 | 81,906 |
| 9 | TPS-II Expansion NLC Ltd | -15.5475 | -40159 | 30,119 |
| 10 | NTPL NTPL Ltd. | -132.88 | -535374 | 4,01,531 |
| 11 | Simhadri Super Thermal Power Station Stage I NTPC Ltd. | -2790.31 | -10851516 | 81,38,637 |

| S.No | RRAS Provider | Energy scheduled to VAE under RRAS (MWh) | Total Variable Charges for generation reduced (A) | Variable charges to be paid to the DSM Pool (B = 75% of A) |
|------|--|--|---|--|
| 12 | Kudgi Super Thermal Power Station Unit I NTPC Ltd. | -1515.9125 | -7750861 | 58,13,146 |
| 13 | NNTPP NLC Ltd. | -323.1225 | -710546 | 5,32,910 |
| | Total | -6432.1875 | -25710872 | 1,92,83,154 |

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

| S.No | RRAS Provider | Energy scheduled to VAE under RRAS (MWh) | Fixed Charges to be refunded (Rs) | Andhra Pradesh | Karnataka | Kerala | Tamil Nadu | Telangana | Puducherry | PGCIL | PUGALUR HVDC | TRISSUR HVDC | Goa | Orissa | NDMC | Uttarakhand | Punjab |
|------|---|--|-----------------------------------|------------------|--------------------|-----------------|------------------|-----------------|------------------|----------|--------------|--------------|-----------------|----------|-----------------|-------------|------------------|
| 1 | Ramagundam Super Thermal Power Station (U1-6) NTPC Ltd. | 4029.68 | 2933607 | 2,97,984 | 16,79,761 | 0 | 4,02,533 | 17,233 | 3,93,242 | 0 | 0 | 0 | 1,36,289 | 0 | 6,565 | 0 | 0 |
| 2 | Ramagundam Super Thermal Power Station (U7) NTPC Ltd. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | Simhadri Super Thermal Power Station Stage II NTPC Ltd. | 1281.6975 | 1858461 | 2,85,649 | 10,24,674 | 0 | 4,10,031 | 0 | 1,36,208 | 0 | 0 | 0 | 0 | 0 | 1,899 | 0 | 0 |
| 4 | Talcher Super Thermal Power Station Stage II NTPC Ltd. | 716.995 | 511934 | 1,01,543 | 2,26,159 | 0 | 1,42,573 | 0 | 37,458 | 0 | 0 | 0 | 0 | 0 | 4,202 | 0 | 0 |
| 5 | Vallur Thermal Power Station NTECL Ltd. | 2238.335 | 3973045 | 6,21,798 | 10,64,229 | 5,846 | 16,45,122 | 0 | 6,25,169 | 0 | 0 | 0 | 0 | 0 | 10,882 | 0 | 0 |
| 6 | TPS-II Stage I NLC Ltd | 236.375 | 167826 | 15,508 | 89,246 | 0 | 59,264 | 0 | 3,042 | 0 | 0 | 0 | 0 | 0 | 766 | 0 | 0 |
| 7 | TPS-II Stage II NLC Ltd | 577.475 | 425022 | 47,762 | 1,93,897 | 0 | 1,78,956 | 0 | 3,391 | 0 | 0 | 0 | 0 | 0 | 1,017 | 0 | 0 |
| 8 | TPS-I Expansion NLC Ltd | 429.0175 | 414002 | 0 | 1,24,664 | 0 | 2,61,946 | 0 | 22,126 | 0 | 0 | 0 | 0 | 0 | 5,265 | 0 | 0 |
| 9 | TPS-II Expansion NLC Ltd | 187.6125 | 433197 | 0 | 1,16,079 | 0 | 2,80,619 | 0 | 23,662 | 0 | 0 | 0 | 0 | 0 | 12,837 | 0 | 0 |
| 10 | NTPL NTPC Ltd. | 2762.7975 | 4290625 | 7,98,783 | 15,03,495 | 0 | 12,69,944 | 1,15,568 | 5,65,620 | 0 | 0 | 0 | 0 | 0 | 37,215 | 0 | 0 |
| 11 | Simhadri Super Thermal Power Station Stage I NTPC Ltd. | 141.53 | 133321 | 1,33,321 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12 | Kudgi Super Thermal Power Station Unit I NTPC Ltd. | 10983.4475 | 18320390 | 5,76,699 | 65,42,098 | 6,18,538 | 42,40,952 | 4,57,323 | 0 | 0 | 0 | 0 | 0 | 0 | 60,140 | 0 | 58,24,640 |
| 13 | NNTPP NLC Ltd. | 922.5775 | 1664330 | 1,29,178 | 3,59,743 | 0 | 10,33,116 | 0 | 1,35,908 | 0 | 0 | 0 | 0 | 0 | 6,385 | 0 | 0 |
| | Total | 24507.54 | 35125760 | 30,08,225 | 1,29,24,044 | 6,24,384 | 99,25,056 | 5,90,125 | 19,45,826 | 0 | 0 | 0 | 1,36,289 | 0 | 1,47,172 | 0 | 58,24,640 |

D. Payments to the AGC Service Provider(s) from the DSM Pool

| S.No | AGC Provider | | | Total Charges (B+D) | Payable To Pool/ Receivable From Pool |
|------|---|-----------------------------------|--|---------------------|---------------------------------------|
| 1 | Simhadri Super Thermal Power Station Stage II NTPC Ltd. | Total AGC MWh Up and Down (A) MWh | Mark-up at the rate of 50p/unit for both positive and negative AGC MWh from the DSM Pool (B = 0.5*1000*A) Rs | 8,78,090 | Payable |
| | | 1749.775 | 8,74,888 | | |
| | | Total Net AGC (C) MWh | AGC Energy Charges (D= C*Variable Cost) Rs | | |
| | | -478.302 | 17,52,978 | | |
| 2 | Simhadri Super Thermal Power Station Stage I NTPC Ltd. | Total AGC MWh Up and Down (A) MWh | Mark-up at the rate of 50p/unit for both positive and negative AGC MWh from the DSM Pool (B = 0.5*1000*A) Rs | 48,60,672 | Payable |
| | | 4345.478 | 21,72,739 | | |
| | | Total Net AGC (C) MWh | AGC Energy Charges (D= C*Variable Cost) Rs | | |
| | | -1808.54 | 70,33,411 | | |
| 3 | Ramagundam Super Thermal Power Station (U1-6) NTPC Ltd. | Total AGC MWh Up and Down (A) MWh | Mark-up at the rate of 50p/unit for both positive and negative AGC MWh from the DSM Pool (B = 0.5*1000*A) Rs | 60,95,908 | Payable |
| | | 4907.286 | 24,53,643 | | |
| | | Total Net AGC (C) MWh | AGC Energy Charges (D= C*Variable Cost) Rs | | |
| | | -2612.944 | 85,49,551 | | |

| S.No | AGC Provider | | | Total Charges (B+D) | Payable To Pool/ Receivable From Pool |
|------|--|--------------------------------------|--|---------------------|---------------------------------------|
| 4 | Ramagundam Super Thermal Power Station (U7) NTPC Ltd. | Total AGC MWh Up and Down (A) MWh | Mark-up at the rate of 50p/unit for both positive and negative AGC MWh from the DSM Pool (B = 0.5*1000*A) Rs | 0 | Receivable |
| | | 0 | 0 | | |
| | | Total Net AGC (C) MWh | AGC Energy Charges (D= C*Variable Cost) Rs | | |
| | | 0 | 0 | | |
| 5 | Vallur Thermal Power Station NTECL | Total AGC MWh Up and Down (A) MWh | Mark-up at the rate of 50p/unit for both positive and negative AGC MWh from the DSM Pool (B = 0.5*1000*A) Rs | 54,95,339 | Payable |
| | | 5408.435 | 27,04,217 | | |
| | | Total Net AGC (C) MWh | AGC Energy Charges (D= C*Variable Cost) Rs | | |
| | | -2195.33 | 81,99,556 | | |
| 6 | NTPL NTPL | Total AGC MWh Up and Down (A) MWh | Mark-up at the rate of 50p/unit for both positive and negative AGC MWh from the DSM Pool (B = 0.5*1000*A) Rs | 0 | Receivable |
| | | 0 | 0 | | |
| | | Total Net AGC (C) MWh | AGC Energy Charges (D= C*Variable Cost) Rs | | |
| | | 0 | 0 | | |

| S.No | AGC Provider | | | Total Charges (B+D) | Payable To Pool/ Receivable From Pool |
|------|--|-----------------------------------|--|---------------------|---------------------------------------|
| 7 | Kudgi Super Thermal Power Station Unit I NTPC Ltd. | Total AGC MWh Up and Down (A) MWh | Mark-up at the rate of 50p/unit for both positive and negative AGC MWh from the DSM Pool (B = 0.5*1000*A) Rs | 2,74,57,709 | Receivable |
| | | 10178.371 | 50,89,185 | | |
| | | Total Net AGC (C) MWh | AGC Energy Charges (D= C*Variable Cost) Rs | | |
| | | 4374.834 | 2,23,68,524 | | |
| 8 | NLC 22 | Total AGC MWh Up and Down (A) MWh | Mark-up at the rate of 50p/unit for both positive and negative AGC MWh from the DSM Pool (B = 0.5*1000*A) Rs | 0 | Receivable |
| | | 0 | 0 | | |
| | | Total Net AGC (C) MWh | AGC Energy Charges (D= C*Variable Cost) Rs | | |
| | | 0 | 0 | | |

Note:

1. **A:** Total Energy based on 5 Min schedule (absolute MWh), both Up and Down
2. **B:** Markup as per CERC Order (50 ps /Unit) - $(A*0.5*1000)$ in Rs
3. **C:** Net Energy based on 15 Min schedule (MWh)
4. **D:** AGC Energy Charges - $(C*Variable\ Cost)$ in Rs