

पावर सिस्टम ऑपरेशन कॉर्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

POWER SYSTEM OPERATION CORPORATION LIMITED

(A Govt. of India Enterprise)



पंजीकृत एवं केन्द्रीय कार्यालय : प्रथम तल, बी-9, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली-110016
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संदर्भ संख्या:पोसोकोएसओ/एनएलडीसी/2018/ 11

दिनांक:19th जून,2018

सेवा मे,

वितरण सूची के अनुसार

विषय: मई 2018 माह के लिए आर आर ए एस प्रकीर्या की मासिक रिपोर्ट।

महोदया/ महोदय,

अनुषंगी सेवाओ के परिचालन हेतु अनुमोदित विस्तृत प्रक्रिया के प्रावधान के अनुसार, आर आर ए एस प्रक्रिया के विभिन्न परिचालन पहलुओ से संबन्धित मई 2018 माह की रिपोर्ट।

सादर धन्यवाद,

भवदीय

19.6.18

(जी.चक्रवर्ती)

उप महाप्रबन्धक,

रा. भा. प्रे. के.

संलग्न : आर. आर. ए. एस. पर मासिक रिपोर्ट।

वितरण सूची

Distribution List

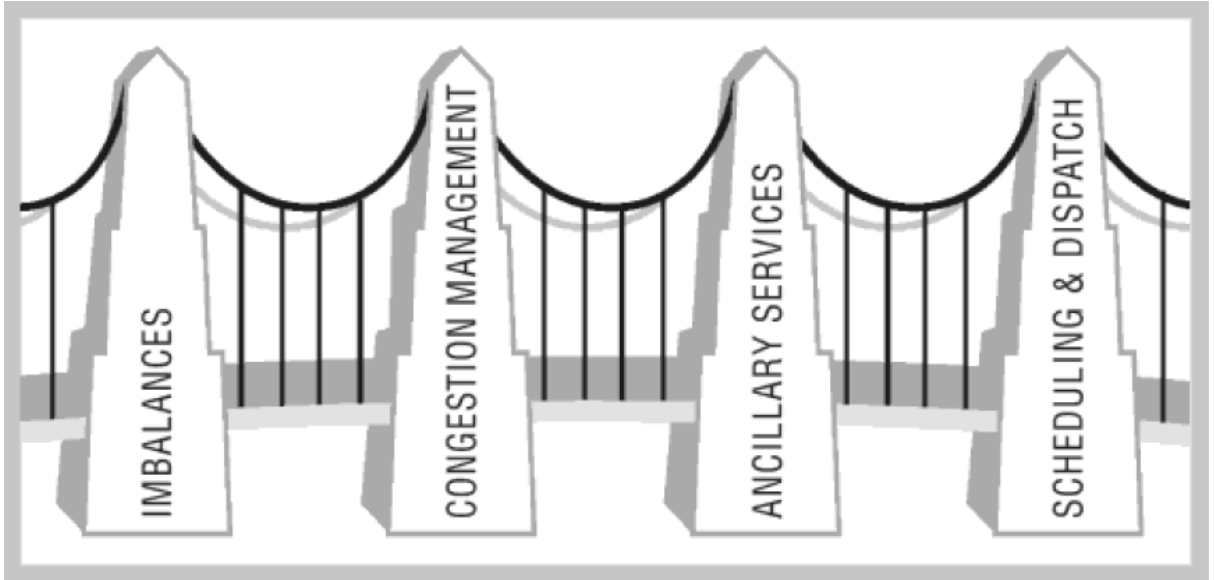
- 1 सचिव, के.वि.नि.आ. तीसरा एवं चौथा तल, चंद्रलोक भवन, 36, जनपथ, नई दिल्ली-110001
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- 2 मुख्य अभियंता (जी एम), के.वि.प्रा., सेवा भवन, आर. के. पुरम, नई दिल्ली-110066
Chief Engineer (GM), CEA, Sewa Bhavan, R.K.Puram, New Delhi-110066
- 3 सदस्य सचिव, उ. क्षे. वि. स., 18/ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
Member Secretary, NRPC, 18/A, SJSS Marg, Katwaria Sarai, New Delhi-110016
- 4 सदस्य सचिव, प. क्षे. वि. स., एफ-3, एम आई डी सी क्षेत्र, अंधेरी(पूर्व), मुंबई - 400093
Member Secretary, WRPC, F-3, MIDC Area, Andheri (East), Mumbai-400093
- 5 सदस्य सचिव, द. क्षे. वि. स., 29, रेस कोर्स क्रॉस रोड, बंगलूरु - 560009
Member Secretary, SRPC, 29, Race Course Cross Road, Bangalore-560009
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Member Secretary, ERPC, 14, Golf Club Road, Kolkata-700033
- 7 सदस्य सचिव, उ. पू. क्षे. वि. स., उ. पू. क्षे. वि. स. परिसर, दांग परमाव, लापलंग, शिल्लोंग - 793003
Member Secretary, NERPC, NERPC Complex, Dong Parmaw, Lapalang, Shillong - 793006
- 8 कार्यपालक निदेशक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14, Golf Club Road, Kolkata-700033
- 9 कार्यपालक निदेशक, प. क्षे. भा. प्रे. के., एफ-3, एम आई डी सी क्षेत्र, अंधेरी(पूर्व), मुंबई - 400093
Executive Director, WRLDC, F-3, MIDC Area, Andheri (East), Mumbai-400093
- 10 कार्यपालक निदेशक, उ. पू. क्षे. भा. प्रे. के., डोंगतिह, लोअर नॉग्रह, लापलंग, शिल्लोंग - 793006
Executive Director, NERLDC, Dongtieh, Lower Nongrah, Laplang, Shillong-793006
- 11 महाप्रबन्धक, उ.क्षे.भा.प्रे.के., 18/ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
General Manager, NRLDC, 18/A, SJSS Marg, Katwaria Sarai, New Delhi-110016
- 12 महाप्रबन्धक, द. क्षे. भा. प्रे. के., 29, रेस कोर्स क्रॉस रोड, बंगलूरु - 560009
General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009



पावर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

POWER SYSTEM OPERATION CORPORATION LTD
NATIONAL LOAD DESPATCH CENTRE, NEW DELHI



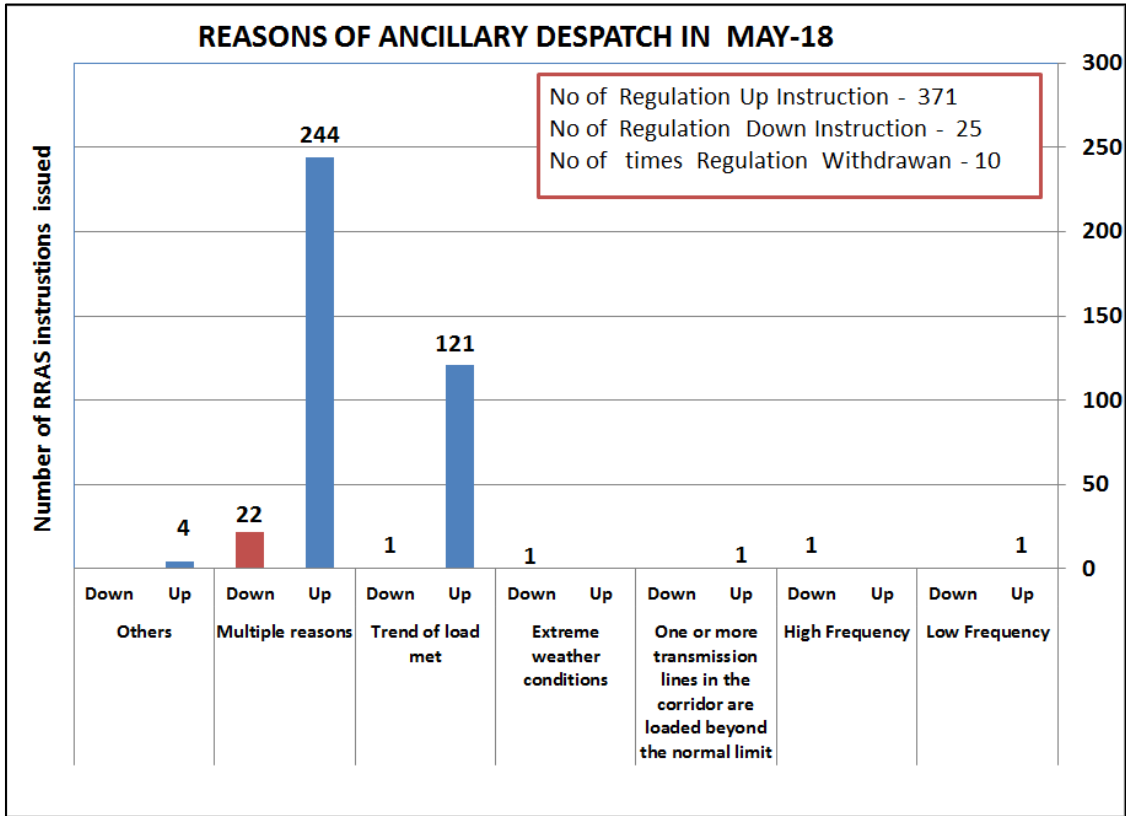
आर. आर.एस प्रक्रिया की
मई 2018 माह के लिए कार्यान्वयन रिपोर्ट

IMPLEMENTATION OF THE RRAS MECHANISM
REPORT FOR THE MONTH OF MAY 2018

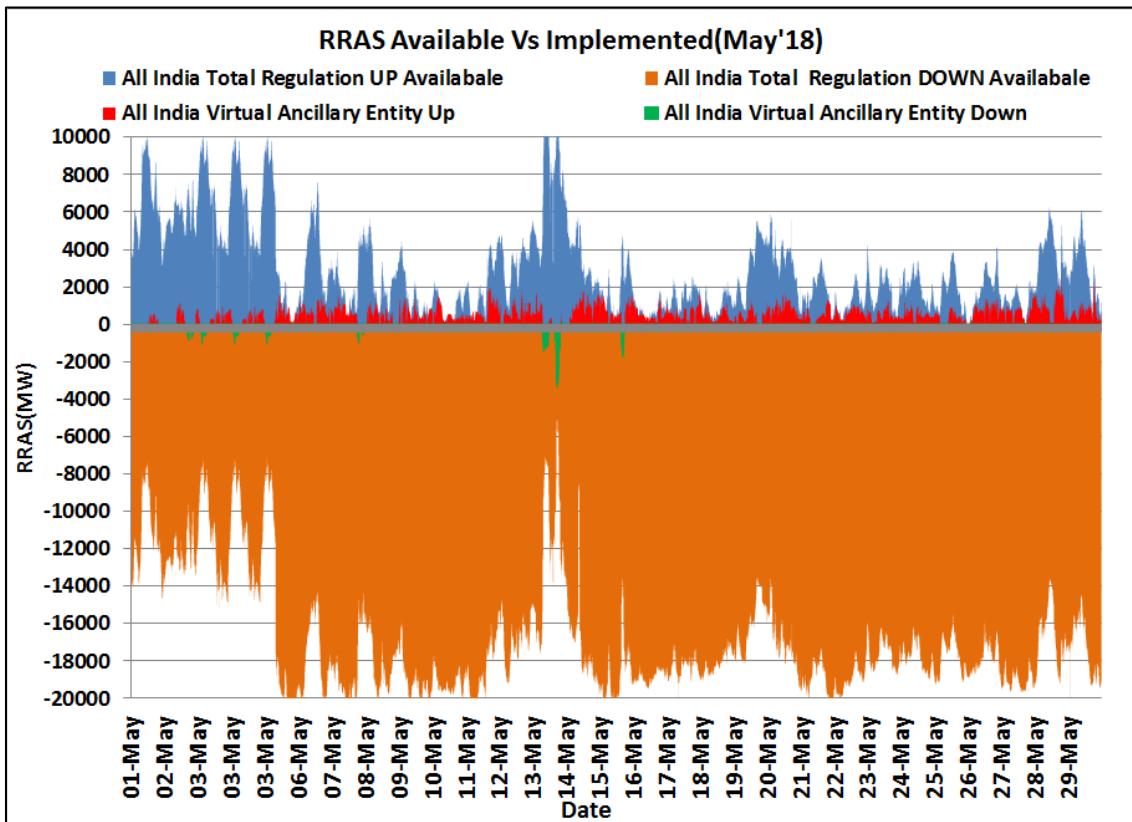
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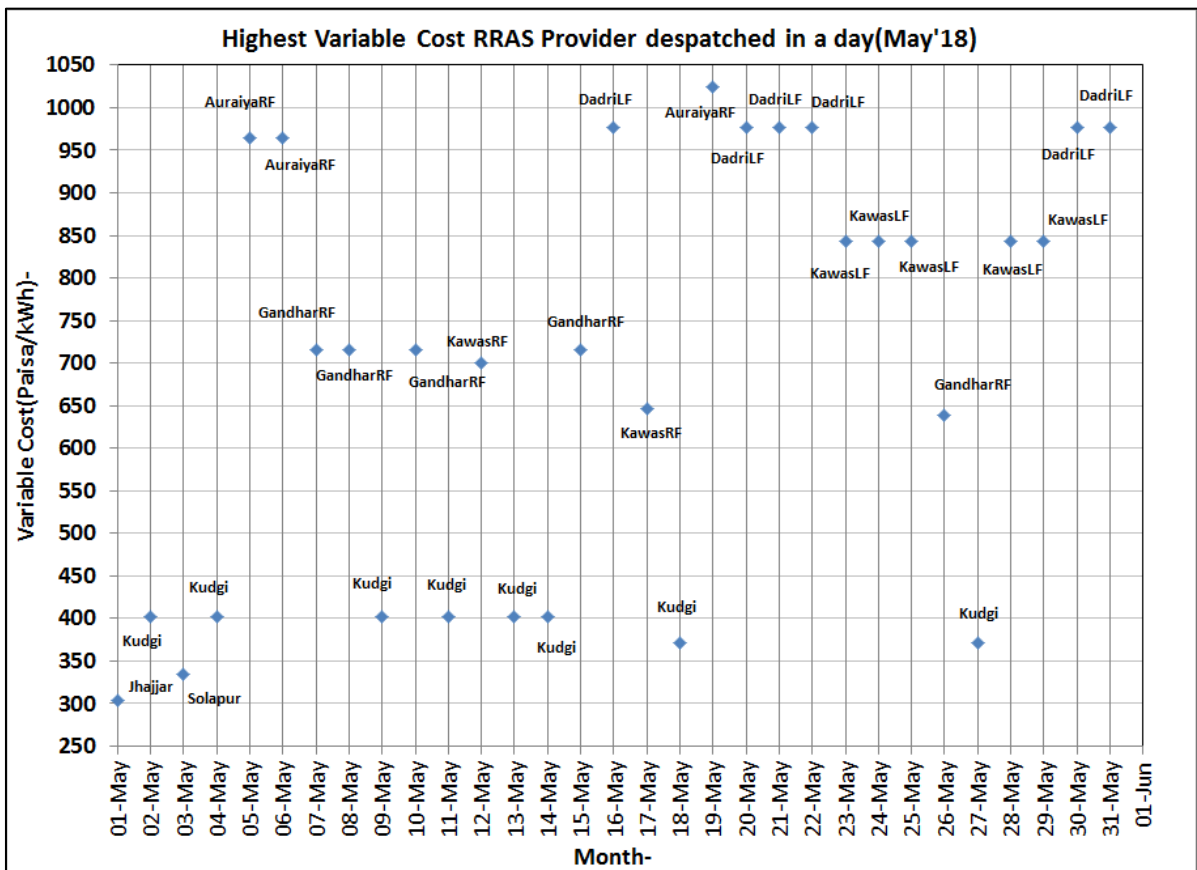
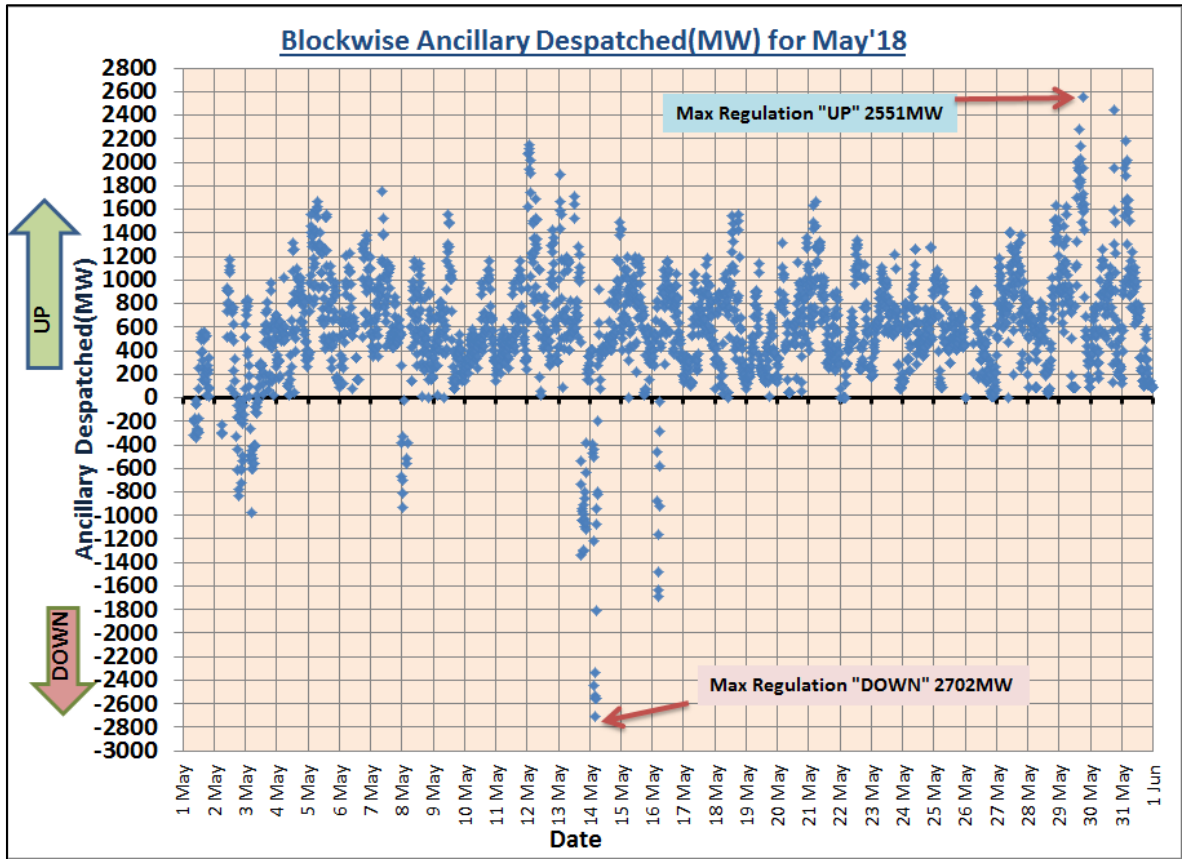
Section-1 मई -18 माह में अनुषंगी सेवा प्रेषण के कारण/ Reasons for Ancillary Services Despach in May -18 month-



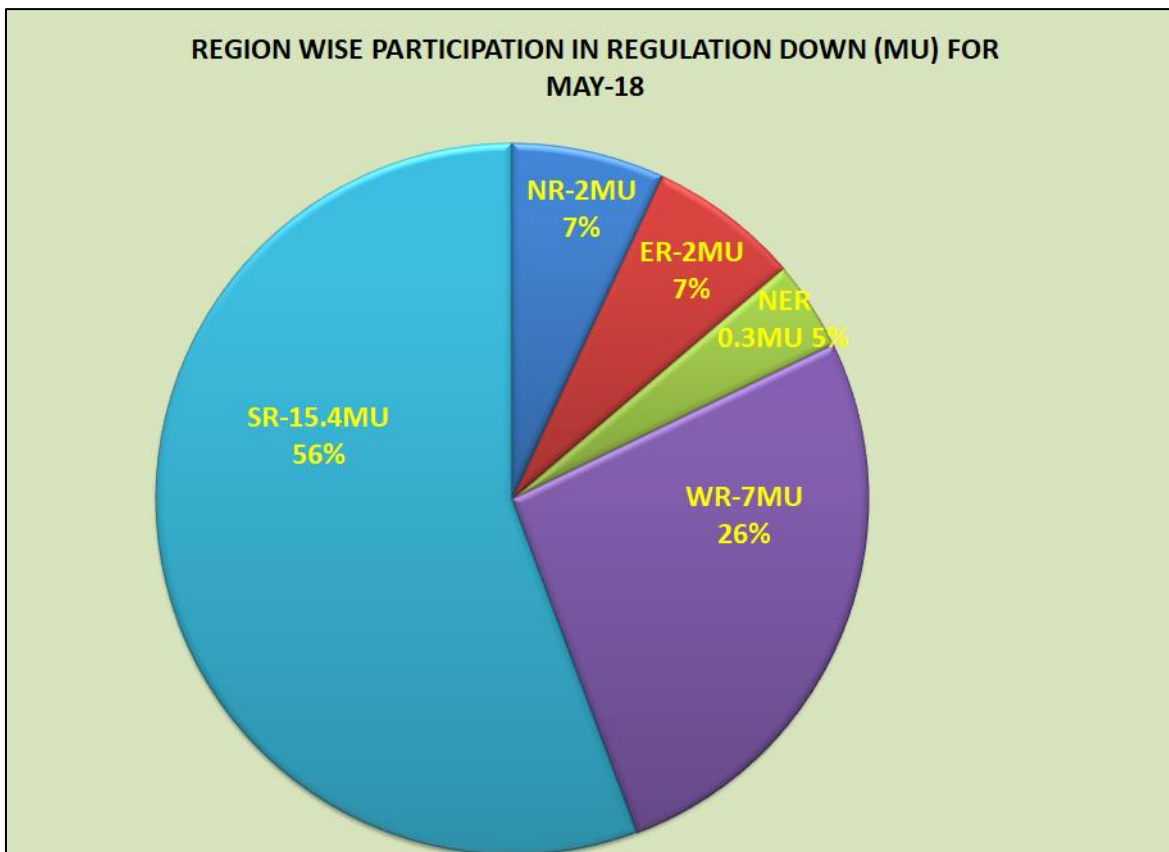
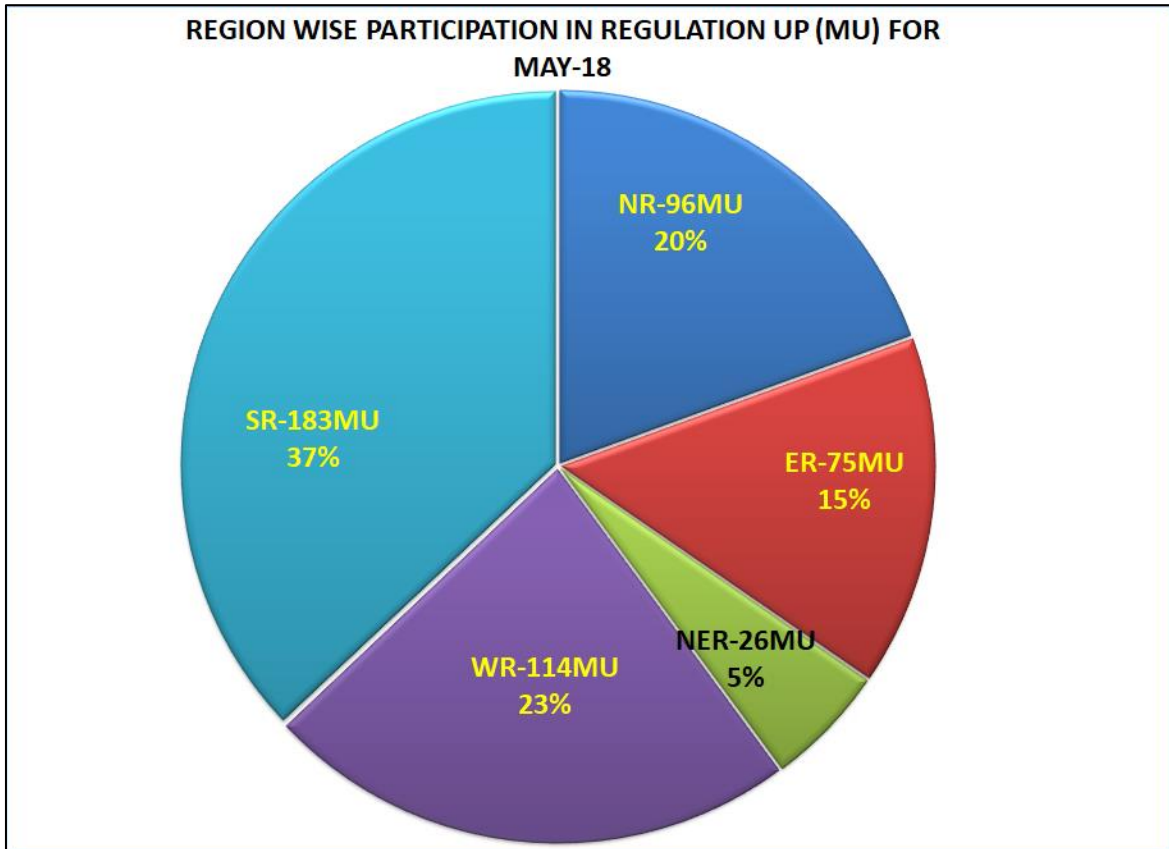
Section-2: मई -18 माह में आरक्षित का उपयोग/ Utilisation of reserves for May'18



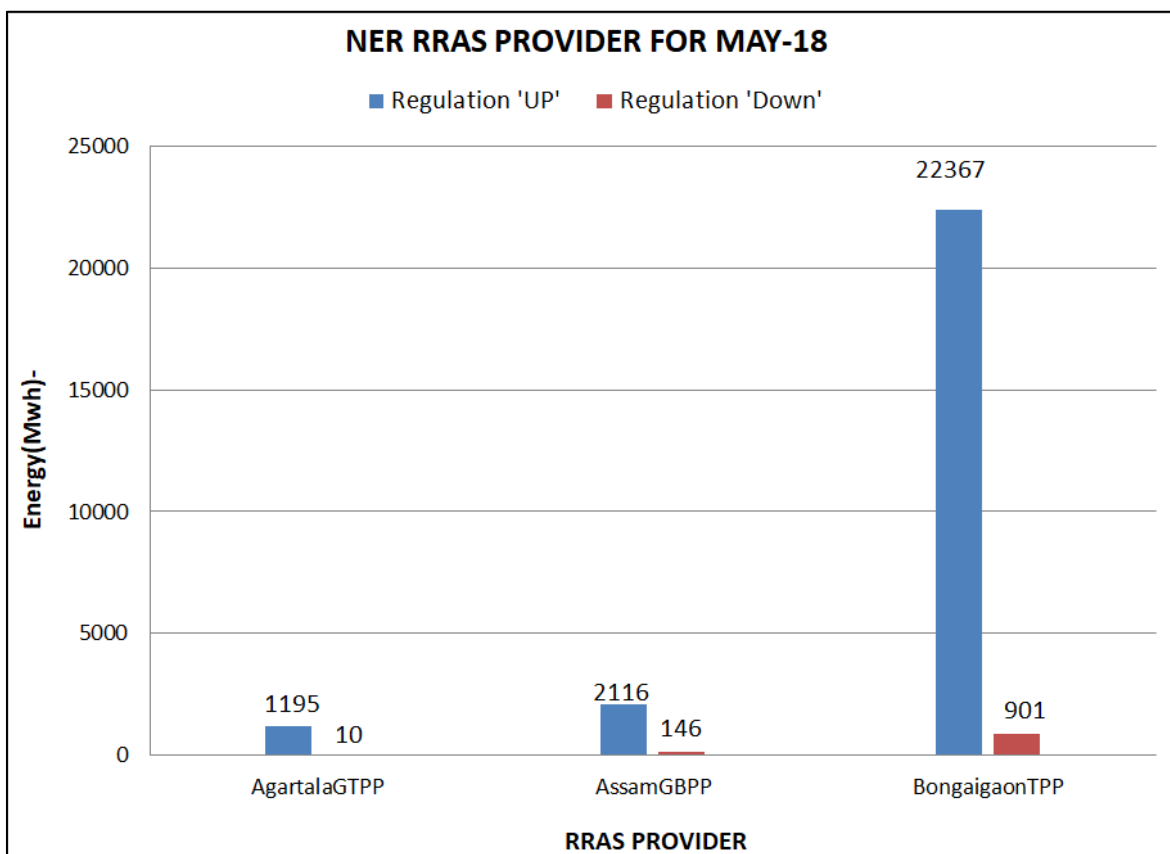
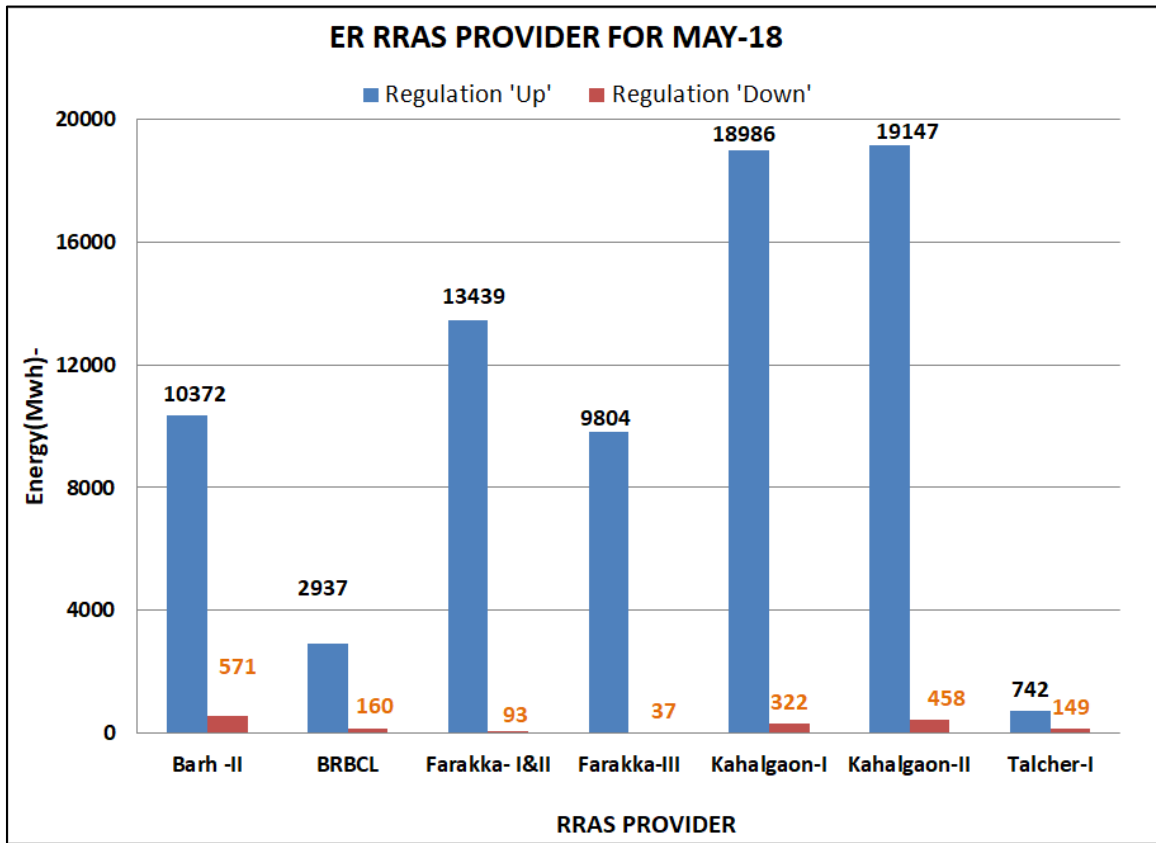
Section-3: अनुषंगी सेवा प्रेषण (MW) /Ancillary Despatched (MW)

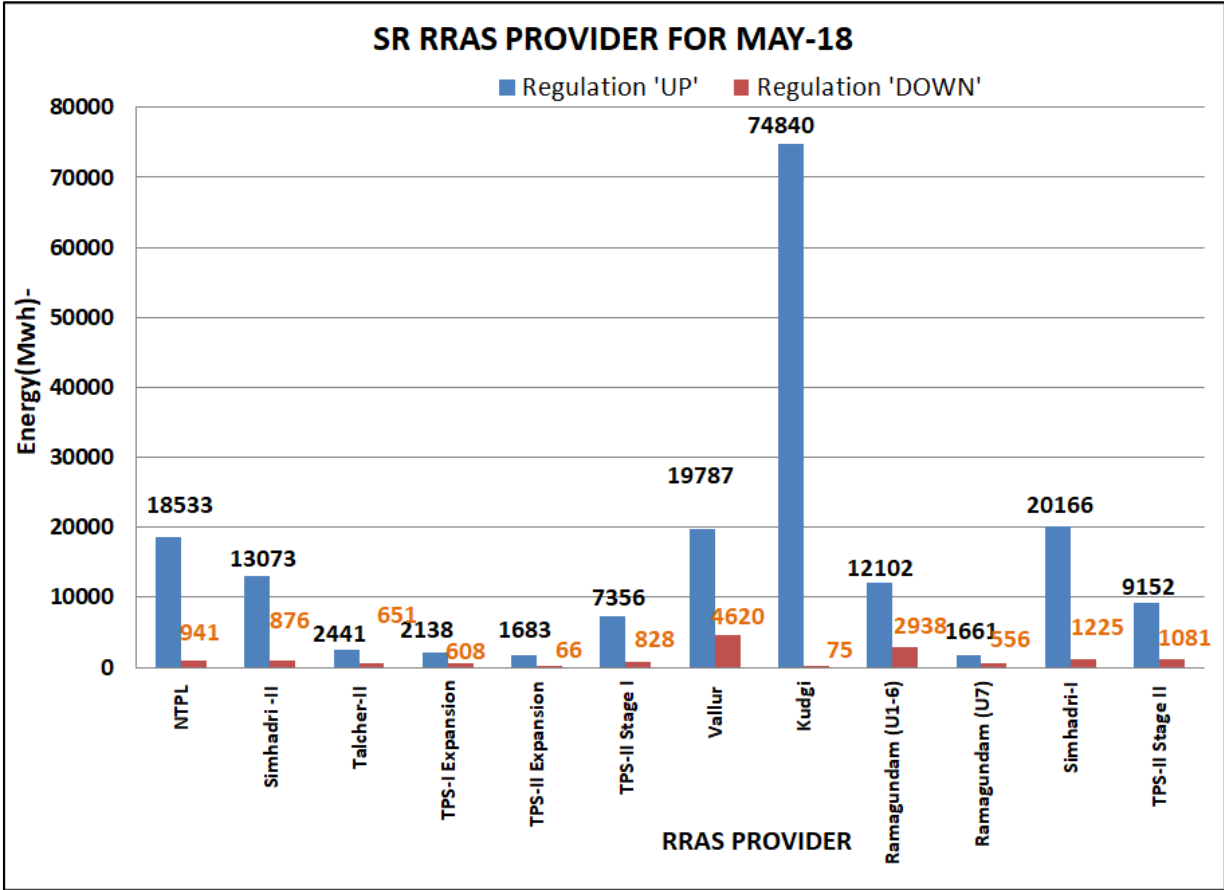
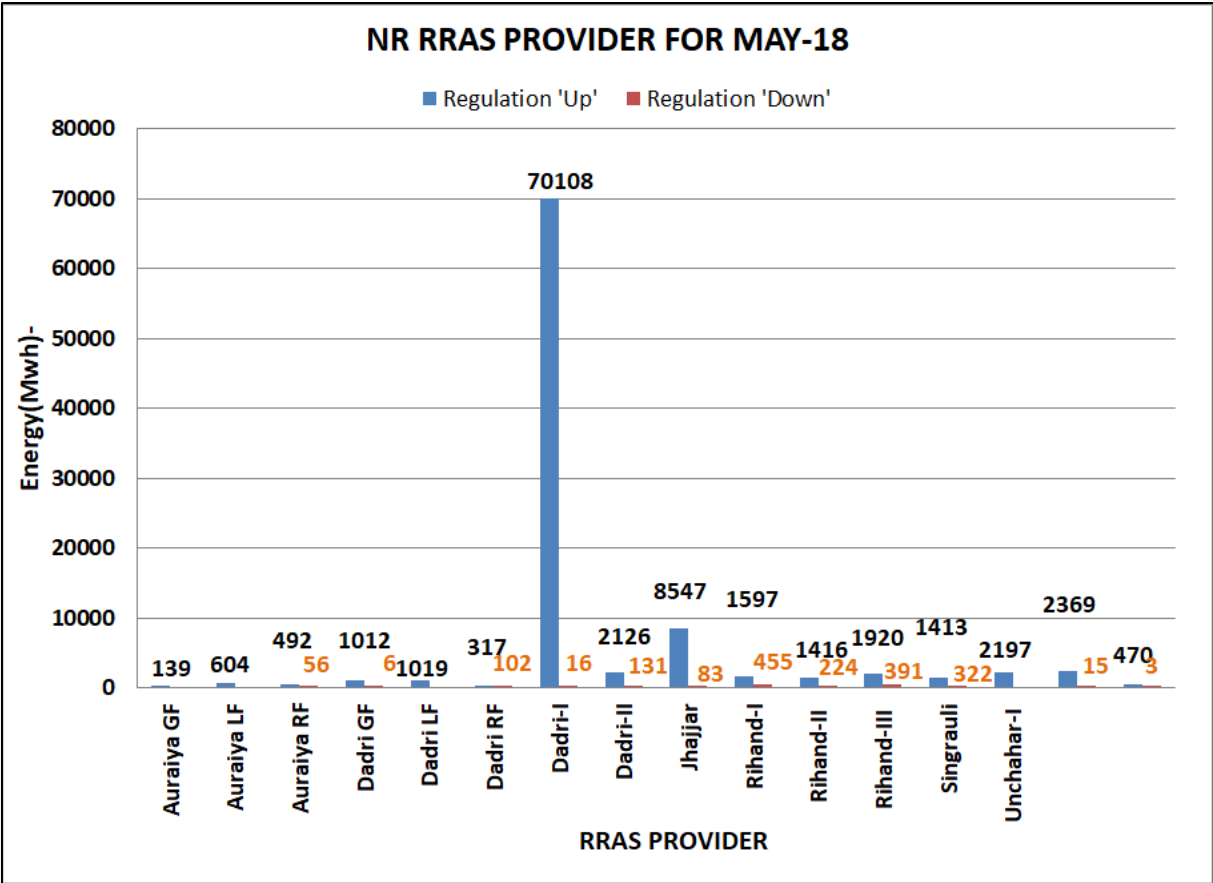


Section-4: अनुषंगी सेवा मे क्षेत्रवार भागीदारी/Region wise participation in RRAS -

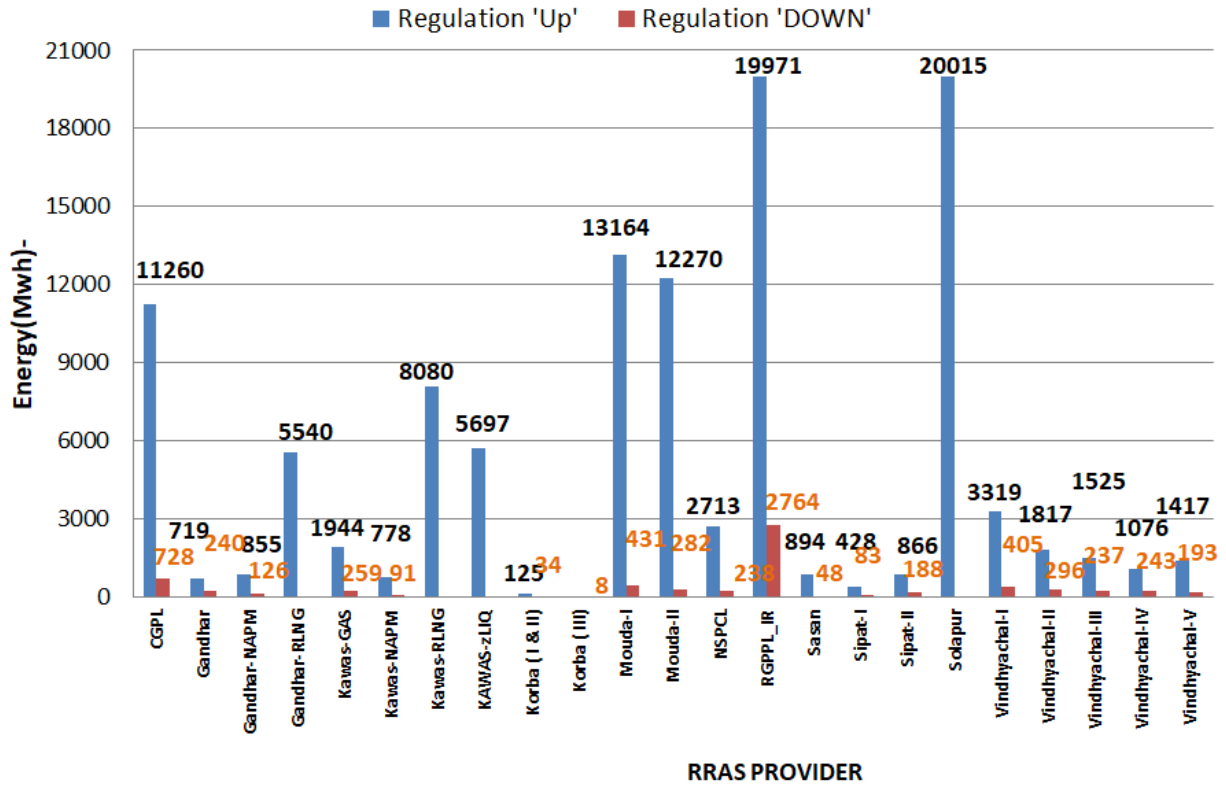


Section 5: अनुषंगी सेवा में ऊर्जा प्रेषण का क्षेत्रवार विवरण / Region wise energy despatch in Ancillary services-





WR RRAS PROVIDER MAY-18



Section 6: आरआरएस प्रदाता को विनियमन अप सेवा के लिए डीएसएम पूल से भुगतान/Payment to the RRAS Provider(s) from the DSM Pool for Regulation Up from 23/04/18 to 27/05/18-

| Sr. No. | Region | RRAS Provider Name | Energy scheduled to VAE under RRAS (MWh) | Fixed Charges (Rs) (A) | Variable Charges (Rs) (B) | Markup as per CERC Order (Rs) (C) | Total Charges (A+B+C) |
|---------|------------|--------------------|--|------------------------|---------------------------|-----------------------------------|-----------------------|
| 1 | ER | Barh STPP-II | 10372 | 19343118 | 22089411 | 5185824 | 46618353 |
| 2 | ER | BRBCL | 2937 | 7500933 | 5528059 | 1468467 | 14497457 |
| 3 | ER | Farakkal & II | 13439 | 11305591 | 32033266 | 6719482 | 50058334 |
| 4 | ER | FarakkalIII | 9804 | 14836741 | 23636730 | 4902060 | 43375536 |
| 5 | ER | Kahalgaoon-I | 18986 | 19825756 | 46761188 | 9493006 | 76079957 |
| 6 | ER | Kahalgaoon-II | 19147 | 21118598 | 45764612 | 9573302 | 76456509 |
| 7 | ER | Talcher-I | 742 | 703820 | 1265579 | 371195 | 2340591 |
| | ER | Total | 75427 | 94634557 | 177078845 | 37713336 | 309426737 |
| | | | | | | | |
| Sr. No. | Region | RRAS Provider Name | Energy scheduled to VAE under RRAS (MWh) | Fixed Charges (Rs) (A) | Variable Charges (Rs) (B) | Markup as per CERC Order (Rs) (C) | Total Charges (A+B+C) |
| 8 | NER | AssamGBPP | 2116 | 3784795 | 3289429 | 1058047 | 8132271 |
| 9 | NER | AgartalaGTPP | 1195 | 1647968 | 1567900 | 597523 | 3813390 |
| 10 | NER | BongaigaonTPP | 22367 | 61124649 | 65132621 | 11183681 | 137440952 |
| | NER | Total | 25678 | 66557411 | 69989950 | 12839251 | 149386613 |
| | | | | | | | |
| Sr. No. | Region | RRAS Provider Name | Energy scheduled to VAE under RRAS (MWh) | Fixed Charges (Rs) (A) | Variable Charges (Rs) (B) | Markup as per CERC Order (Rs) (C) | Total Charges (A+B+C) |
| 11 | NR | Auraiya GF | 139 | 86753 | 400781 | 69291 | 556825 |
| 12 | NR | Auraiya LF | 604 | 387880 | 6186752 | 302088 | 6876720 |
| 13 | NR | Auraiya RF | 492 | 308212 | 4750217 | 246176 | 5304605 |
| 14 | NR | Dadri GF | 1012 | 566341 | 3132840 | 505873 | 4205054 |
| 15 | NR | Dadri LF | 1019 | 592843 | 9948960 | 509314 | 11051117 |
| 16 | NR | Dadri RF | 317 | 176980 | 2681651 | 158584 | 3017215 |
| 17 | NR | Dadri-I | 70108 | 66842054 | 221670443 | 35053991 | 323566488 |
| 18 | NR | Dadri-II | 2126 | 3108682 | 6287318 | 1062896 | 10458896 |
| 19 | NR | Jhajjar | 8547 | 13915243 | 26253403 | 4273724 | 44442370 |
| 20 | NR | Rihand-I | 1597 | 1333304 | 2110548 | 798501 | 4242353 |
| 21 | NR | Rihand-II | 1416 | 1188855 | 1862382 | 708205 | 3759442 |
| 22 | NR | Rihand-III | 1920 | 2815903 | 2572796 | 960106 | 6348805 |
| 23 | NR | Singrauli | 1413 | 887511 | 1821118 | 706631 | 3415260 |
| 24 | NR | Unchahar-I | 2197 | 2344142 | 5875312 | 1098528 | 9317982 |
| 25 | NR | Unchahar-II | 2369 | 2348192 | 6298228 | 1184515 | 9830935 |
| 26 | NR | Unchahar-III | 470 | 640499 | 1199902 | 234786 | 2075187 |
| | NR | Total | 95746 | 97543394 | 303052651 | 47873209 | 448469254 |

| Sr. No. | Region | RRAS Provider Name | Energy scheduled to VAE under RRAS (MWh) | Fixed Charges (Rs) (A) | Variable Charges (Rs) (B) | Markup as per CERC Order (Rs) (C) | Total Charges (A+B+C) |
|------------------|--------|--------------------|--|------------------------|---------------------------|-----------------------------------|-----------------------|
| 27 | SR | NTPL | 18533 | 29077079 | 59653650 | 9266370 | 97997099 |
| 28 | SR | Simhadri -II | 13073 | 20225791 | 36727310 | 6536364 | 63489465 |
| 29 | SR | Talcher-II | 2441 | 1683058 | 4274380 | 1220545 | 7177983 |
| 30 | SR | TPS-I Expansion | 2138 | 2182930 | 5724965 | 1069110 | 8977005 |
| 31 | SR | TPS-II Expansion | 1683 | 4171764 | 4456450 | 841340 | 9469554 |
| 32 | SR | TPS-II Stage I | 7356 | 5739962 | 21129862 | 3677889 | 30547713 |
| 33 | SR | Vallur | 19787 | 35299981 | 62741139 | 9893493 | 107934613 |
| 34 | SR | Kudgi | 74840 | 113831195 | 290827485 | 37419854 | 442078534 |
| 35 | SR | Ramagundam (U1-6) | 12102 | 8588821 | 29891820 | 6050824 | 44531466 |
| 36 | SR | Ramagundam (U7) | 1661 | 1272822 | 3996364 | 830443 | 6099629 |
| 37 | SR | Simhadri-I | 20166 | 18780698 | 56187387 | 10083070 | 85051155 |
| 38 | SR | TPS-II Stage II | 9152 | 6975823 | 26442355 | 4576135 | 37994314 |
| | SR | Total | 182931 | 247829924 | 602053167 | 91465435 | 941348530 |
| | | | | | | | |
| Sr. No. | Region | RRAS Provider Name | Energy scheduled to VAE under RRAS (MWh) | Fixed Charges (Rs) (A) | Variable Charges (Rs) (B) | Markup as per CERC Order (Rs) (C) | Total Charges (A+B+C) |
| 39 | WR | CGPL | 11260 | 10185468 | 17020068 | 5629819 | 32835356 |
| 40 | WR | Gandhar | 719 | 756806 | 1499464 | 359363 | 2615633 |
| 41 | WR | Gandhar-NAPM | 855 | 899801 | 2025907 | 427513 | 3353219 |
| 42 | WR | Gandhar-RLNG | 5540 | 5848536 | 36383904 | 2770159 | 45002599 |
| 43 | WR | Kawas-GAS | 1944 | 1643137 | 4101464 | 971820 | 6716422 |
| 44 | WR | Kawas-NAPM | 778 | 657529 | 1840409 | 389130 | 2887067 |
| 45 | WR | Kawas-RLNG | 8080 | 6891800 | 52634569 | 4039934 | 63566303 |
| 46 | WR | KAWAS-zLIQ | 5697 | 4865368 | 48055481 | 2848576 | 55769426 |
| 47 | WR | Korba (I & II) | 125 | 82254 | 156034 | 62314 | 300603 |
| 48 | WR | Mouda-I | 13164 | 25123574 | 38258844 | 6581803 | 69964222 |
| 49 | WR | Mouda-II | 12270 | 17448371 | 33947234 | 6135151 | 57530758 |
| 50 | WR | NSPCL | 2713 | 4694387 | 5297523 | 1356294 | 11348202 |
| 51 | WR | RGPP_L_IR | 19971 | 25844284 | 72845754 | 9985287 | 108675322 |
| 52 | WR | Sasan | 894 | 151905 | 1155782 | 446780 | 1754467 |
| 53 | WR | Sipat-I | 428 | 566295 | 562446 | 213858 | 1342598 |
| 54 | WR | Sipat-II | 865.7 | 1087777 | 1165784 | 432861 | 2686422 |
| 55 | WR | Solapur | 20015 | 43152178 | 65577275 | 10007462 | 118736915 |
| 56 | WR | Vindhyachal-I | 3319 | 2762107 | 4953367 | 1659502 | 9374976 |
| 57 | WR | Vindhyachal-II | 1817 | 1237584 | 2556546 | 908598 | 4702726 |
| 58 | WR | Vindhyachal-III | 1525 | 1608359 | 2138178 | 762256 | 4508793 |
| 59 | WR | Vindhyachal-IV | 1076 | 1703394 | 1503218 | 538200 | 3744813 |
| 60 | WR | Vindhyachal-V | 1417 | 2333375 | 1999524 | 708496 | 5041395 |
| | WR | Total | 114470 | 159544289 | 395678775 | 57235176 | 612458237 |
| | | | | | | | |
| ALL INDIA | | Total | 494253 | 666109575 | 1547853388 | 247126407 | 2461089371 |

Section 7: आरआरएस प्रदाता को विनियमन डाउन सेवा के लिए डीएसएम पूल से भुगतान /

Payments by the RRAS Provider(s) to the DSM Pool for Regulation DOWN from 23/04/18 to 27/05/18-

| Sr. No. | Region | RRAS Provider Name | Energy scheduled from VAE under RRAS (MWh) | Total Variable Charges for generation reduced(Rs) | Variable charges to be paid to the DSM Pool(Rs) |
|---------|--------|--------------------|--|---|---|
| 1 | ER | Barh STPP-II | 571 | 1203335 | 902502 |
| 2 | ER | BRBCL | 160 | 308673 | 231505 |
| 3 | ER | Farakkal & II | 93 | 224541 | 168405 |
| 4 | ER | FarakkalIII | 37 | 89467 | 67100 |
| 5 | ER | Kahalgaon-I | 322 | 807781 | 605836 |
| 6 | ER | Kahalgaon-II | 458 | 1105650 | 829238 |
| 7 | ER | Talcher-I | 149 | 261179 | 195885 |
| | ER | Total | 1790 | 4000626 | 3000471 |
| | | | | | |
| Sr. No. | Region | RRAS Provider Name | Energy scheduled from VAE under RRAS (MWh) | Total Variable Charges for generation reduced(Rs) | Variable charges to be paid to the DSM Pool(Rs) |
| 8 | NER | AssamGBPP | 146 | 238550 | 178913 |
| 9 | NER | AgartalaGTPP | 10 | 13120 | 9840 |
| 10 | NER | BongaigaonTPP | 901 | 2627102 | 1970326 |
| | NER | Total | 1057 | 2878772 | 2159079 |
| | | | | | |
| Sr. No. | Region | RRAS Provider Name | Energy scheduled from VAE under RRAS (MWh) | Total Variable Charges for generation reduced(Rs) | Variable charges to be paid to the DSM Pool(Rs) |
| 11 | NR | Auraiya RF | 56 | 542218 | 406664 |
| 12 | NR | Dadri GF | 6 | 18387 | 13791 |
| 13 | NR | Dadri RF | 102 | 866946 | 650210 |
| 14 | NR | Dadri-I | 16 | 49060 | 36795 |
| 15 | NR | Dadri-II | 131 | 389748 | 292311 |
| 16 | NR | Jhajjar | 83 | 260326 | 195245 |
| 17 | NR | Rihand-I | 455 | 601324 | 450993 |
| 18 | NR | Rihand-II | 224 | 294547 | 220911 |
| 19 | NR | Rihand-III | 391 | 524108 | 393080 |
| 20 | NR | Singrauli | 322 | 414501 | 310876 |
| 21 | NR | Unchahar-II | 15 | 37688 | 28266 |
| 22 | NR | Unchahar-III | 3 | 8154 | 6116 |
| | NR | Total | 1804 | 4007007 | 3005258 |
| | | | | | |

| Sr. No. | Region | RRAS Provider Name | Energy scheduled from VAE under RRAS (MWh) | Total Variable Charges for generation reduced(Rs) | Variable charges to be paid to the DSM Pool(Rs) |
|------------------|--------|--------------------|--|---|---|
| 23 | SR | NTPL | 941 | 3095693 | 2321770 |
| 24 | SR | Simhadri -II | 876 | 2451769 | 1838827 |
| 25 | SR | Talcher-II | 651 | 1144282 | 858212 |
| 26 | SR | TPS-I Expansion | 608 | 1649618 | 1237214 |
| 27 | SR | TPS-II Expansion | 66 | 177490 | 133118 |
| 28 | SR | TPS-II Stage I | 828 | 2419765 | 1814824 |
| 29 | SR | Vallur | 4620 | 14439162 | 10829372 |
| 30 | SR | Kudgi | 75 | 294351 | 220763 |
| 31 | SR | Ramagundam (U1-6) | 2938 | 7312291 | 5484219 |
| 32 | SR | Ramagundam (U7) | 556 | 1348730 | 1011548 |
| 33 | SR | Simhadri-I | 1225 | 3445211 | 2583909 |
| 34 | SR | TPS-II Stage II | 1081 | 3136209 | 2352157 |
| | SR | Total | 14465 | 40914571 | 30685933 |
| | | | | | |
| Sr. No. | Region | RRAS Provider Name | Energy scheduled from VAE under RRAS (MWh) | Total Variable Charges for generation reduced(Rs) | Variable charges to be paid to the DSM Pool(Rs) |
| 35 | WR | CGPL | 728 | 1099689 | 824767 |
| 36 | WR | Gandhar | 240 | 490690 | 368017 |
| 37 | WR | Gandhar-NAPM | 126 | 296093 | 222070 |
| 38 | WR | Kawas-GAS | 259 | 542133 | 406600 |
| 39 | WR | Kawas-NAPM | 91 | 214715 | 161036 |
| 40 | WR | Korba (I & II) | 34 | 42255 | 31691 |
| 41 | WR | Korba (III) | 8 | 9270 | 6953 |
| 42 | WR | Mouda-I | 431 | 1258803 | 944102 |
| 43 | WR | Mouda-II | 282 | 767100 | 575325 |
| 44 | WR | NSPCL | 238 | 456919 | 342689 |
| 45 | WR | RGPPPL_IR | 2764 | 9939300 | 7454475 |
| 46 | WR | Sasan | 48 | 62436 | 46827 |
| 47 | WR | Sipat-I | 83 | 108488 | 81366 |
| 48 | WR | Sipat-II | 188 | 254552 | 190914 |
| 49 | WR | Vindhyachal-I | 405 | 606437 | 454828 |
| 50 | WR | Vindhyachal-II | 296 | 415769 | 311826 |
| 51 | WR | Vindhyachal-III | 237 | 333574 | 250180 |
| 52 | WR | Vindhyachal-IV | 243 | 342100 | 256575 |
| 53 | WR | Vindhyachal-V | 193 | 272966 | 204724 |
| | | Total | 6891 | 17513285 | 13134964 |
| | | | | | |
| ALL INDIA | | Total | 26006 | 69314261 | 51985705 |