

CIN : U40105DL2009GOI188682

पावर सिस्टम ऑपरेशन कॉरपोरेशन लिमिटेड

(पावरग्रिड की पूर्ण स्वामित्व प्राप्त सहायक कंपनी)

POWER SYSTEM OPERATION CORPORATION LIMITED

(A wholly owned subsidiary of POWERGRID)



पंजीकृत एवं केन्द्रीय कार्यालय: बी-9, प्रथम तल, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली-110 016
Registered & Corporate Office : B - 9, 1st Floor, Qutub Institutional Area, Katwaria Sarai, New Delhi - 110 016
Website : www.posoco.in, www.nldc.in, Tel: 011-26536832, 26524522, Fax: 011-26524525, 26536901

संदर्भ संख्या:पोसोको/एनएलडीसी/एएसओ/2016/209

दिनांक: 24th नवम्बर, 2016

सेवा मे,

वितरण सूची के अनुसार

विषय:

अक्टूबर 2016 के लिए आर आर ए एस प्रकीर्या की मासिक रिपोर्ट।

महोदया/ महोदय,

एन्सिल्लरी सेवाओ के परिचालन हेतु अनुमोदित विस्तृत प्रक्रिया के प्रावधान के अनुसार, आर आर ए एस प्रक्रिया के विभिन्न परिचालन पहलुओ से संबन्धित अक्टूबर माह की रिपोर्ट संलग्न है। 2016

सादर धन्यवाद,

भवदीय

24.11.16

(जी. चक्रवर्ती)

उप महाप्रबन्धक,

रा. भा. प्रे. के.

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

वितरण सूची

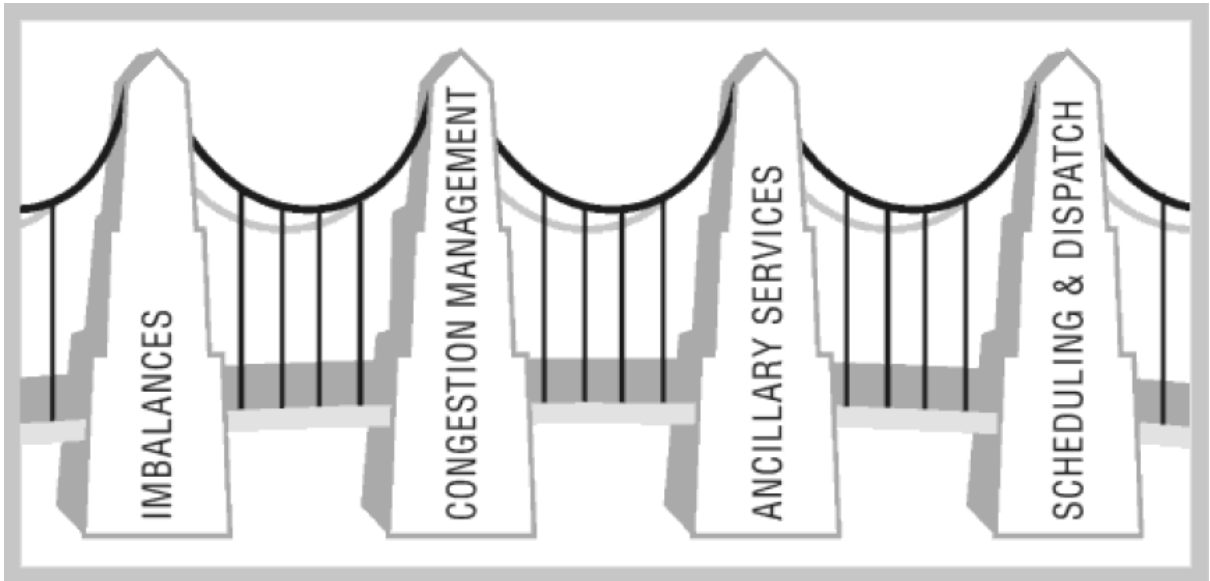
Distribution List

- 1 सचिव, के.वि.नि.आ. तीसरा एवं चौथा तल, चंद्रलोक भवन, 36, जनपथ, नई दिल्ली-110001
Secretary, CERC, 3rd & 4th Floor, Chanderlok Building, 36, Janpath, New Delhi-110001
- 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
- 6 सदस्य सचिव, पू. क्षे. वि. स., 14, गोल्फ क्लब रोड, कोलकाता - 700033
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, शिलोंग - 793003
Member Secretary, NERPC, NERPC Complex, Dong Parmaw, Lapalang, Shillong - 793006
- 8 महाप्रबंधक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
General Manager, ERLDC, 14, Golf Club Road, Kolkata-700033
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General Manager, NRLDC, 18/A, SJSS Marg, Katwaria Sarai, New Delhi-110016
- 11 महाप्रबंधक, पू. क्षे. भा. प्रे. के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
General Manager, NERLDC, Dongtiah, Lower Nongrah, Laplang, Shillong-793006
- 12 महाप्रबंधक, 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

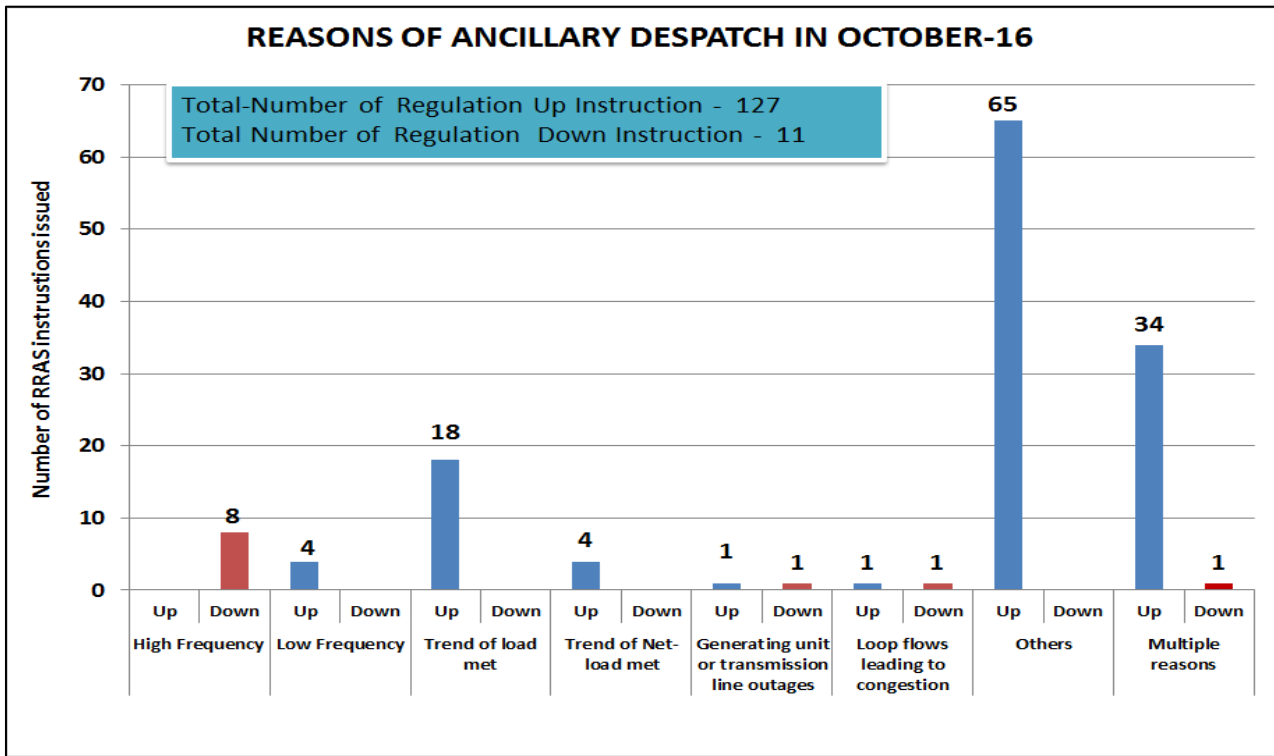


IMPLEMENTATION OF THE RRAS MECHANISM
REPORT FOR THE MONTH OF OCTOBER 2016

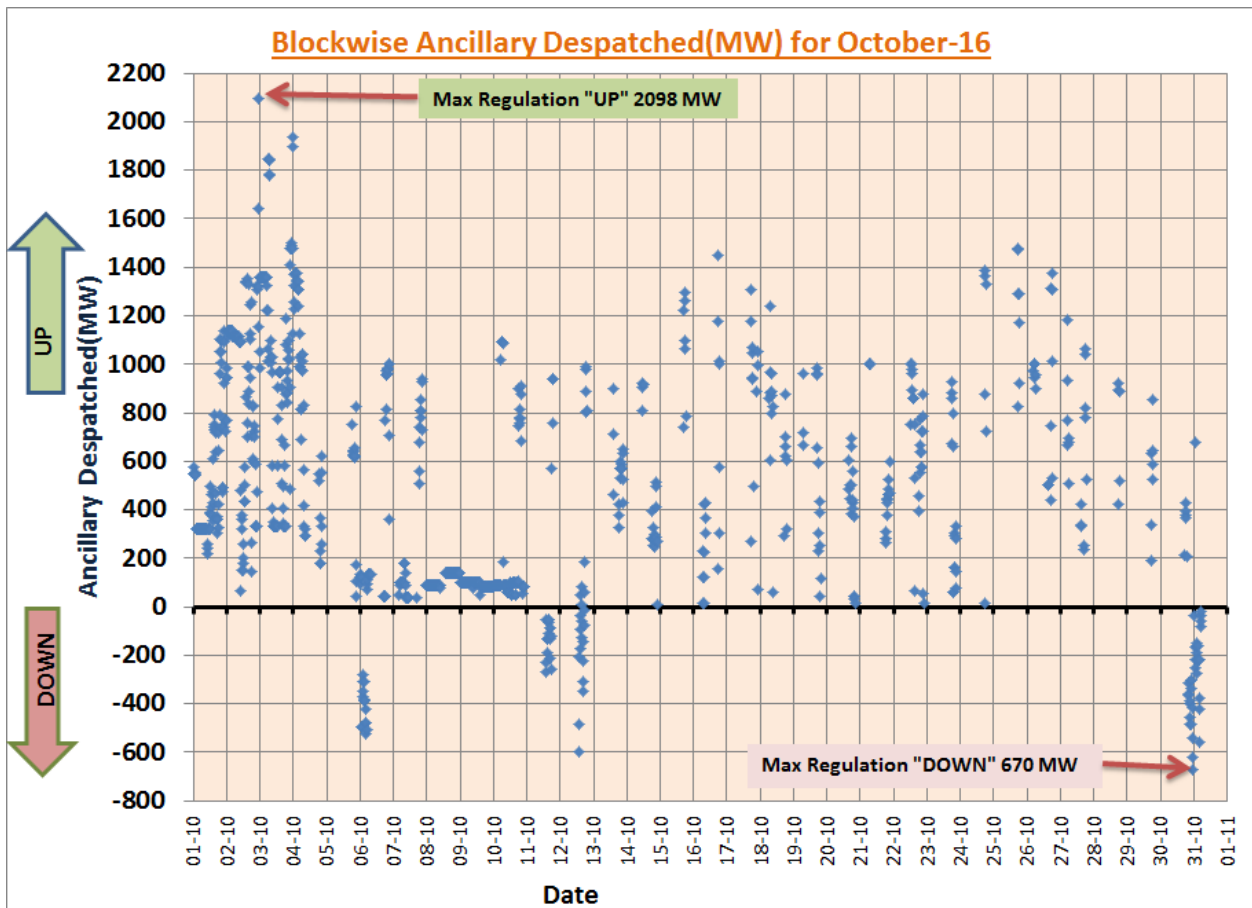
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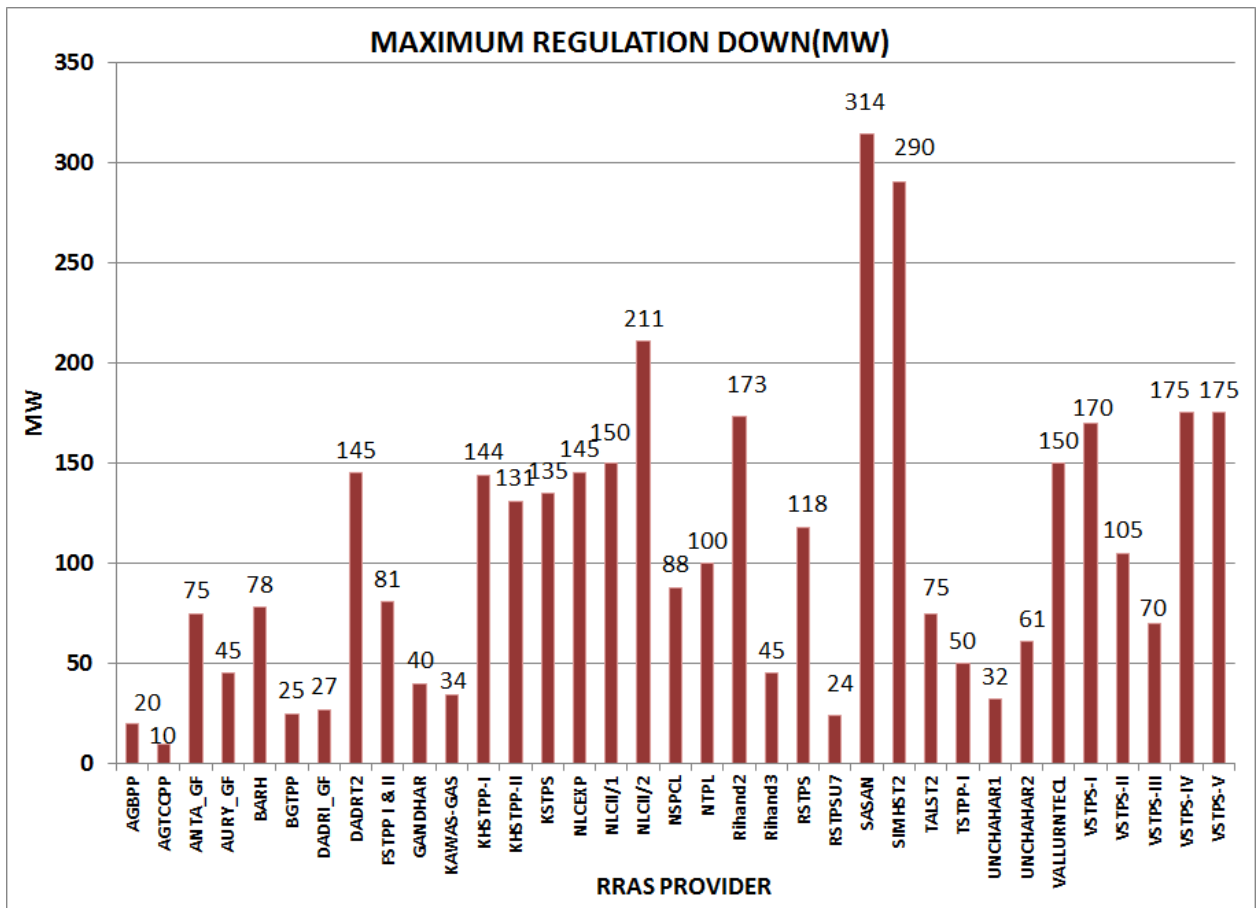
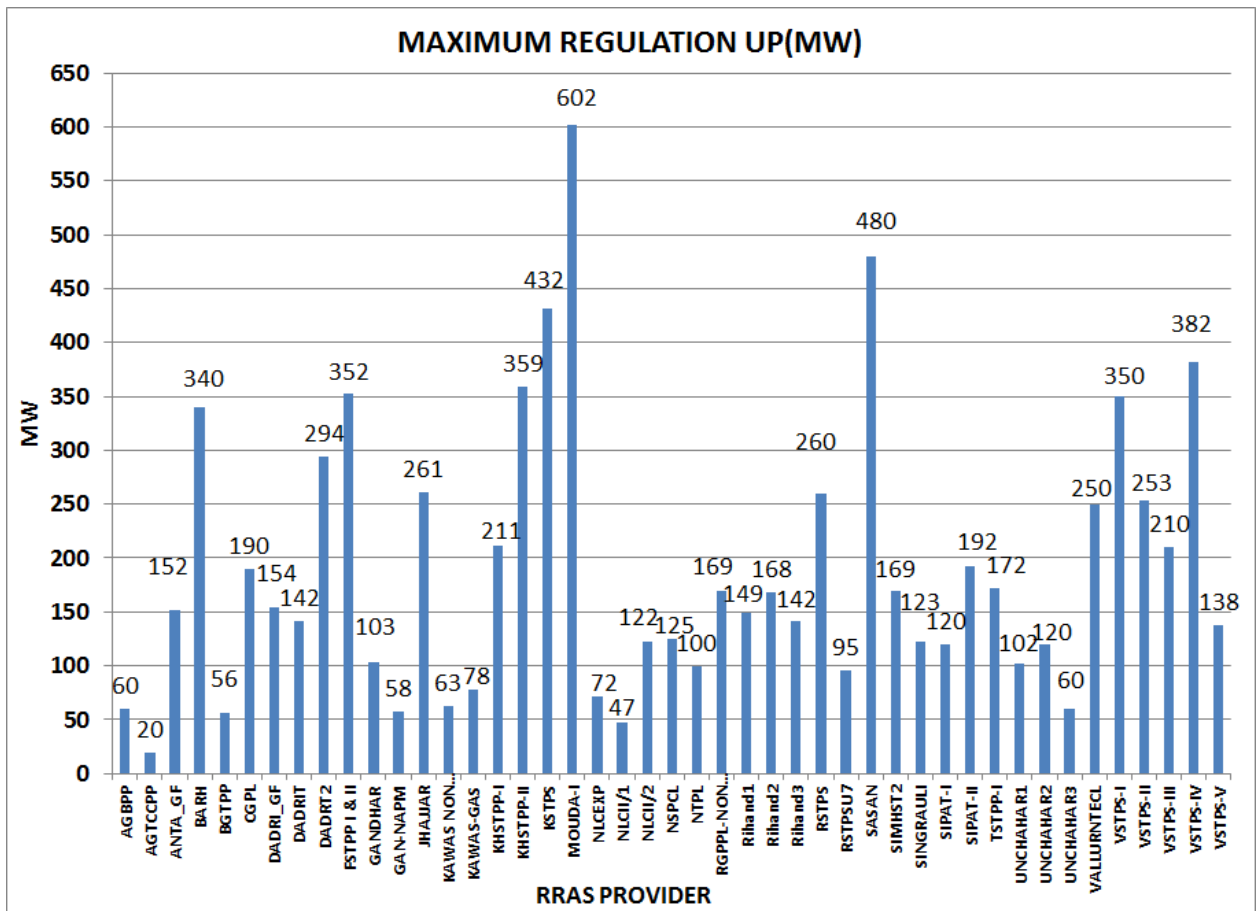
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| 2. Ancillary Despatched(MW) | 1-2 |
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Section-I: Reasons for Ancillary Services Despatch –

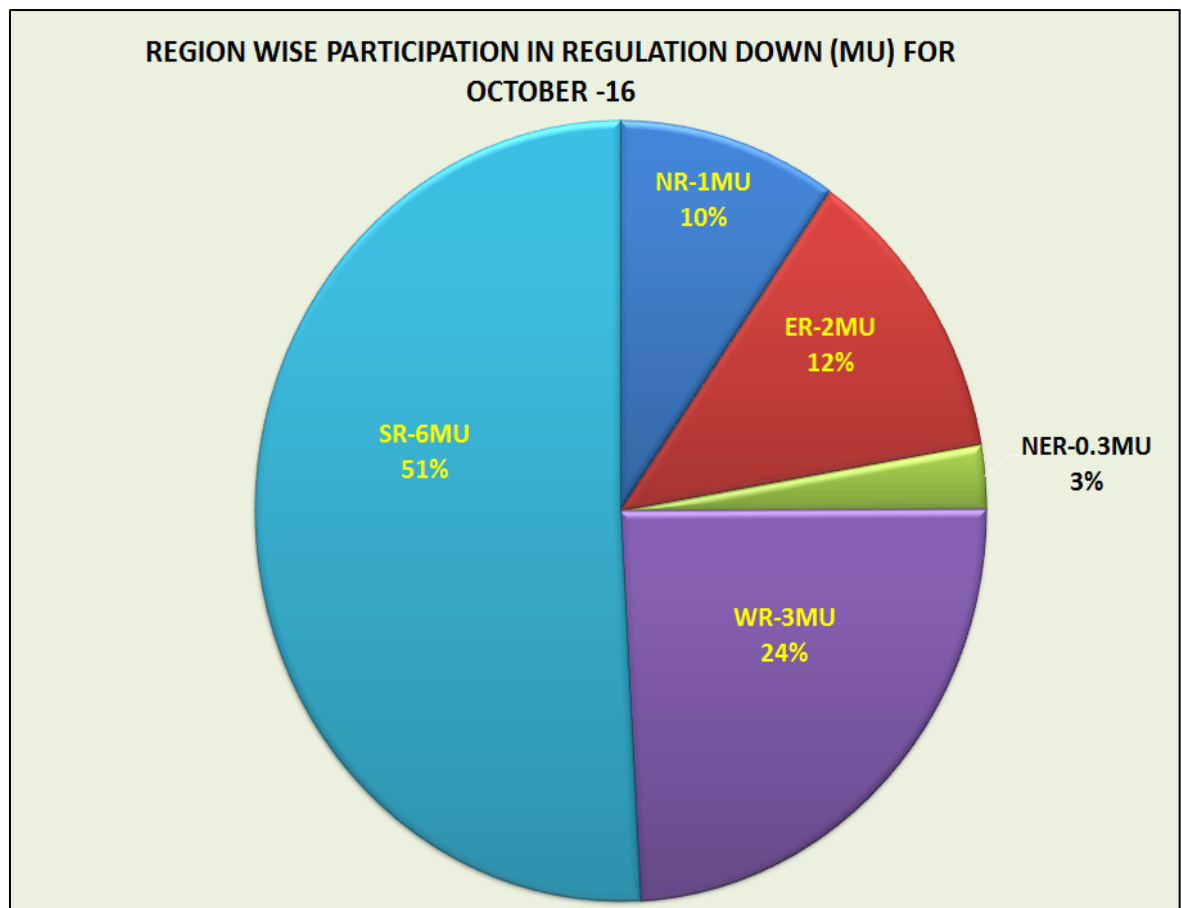
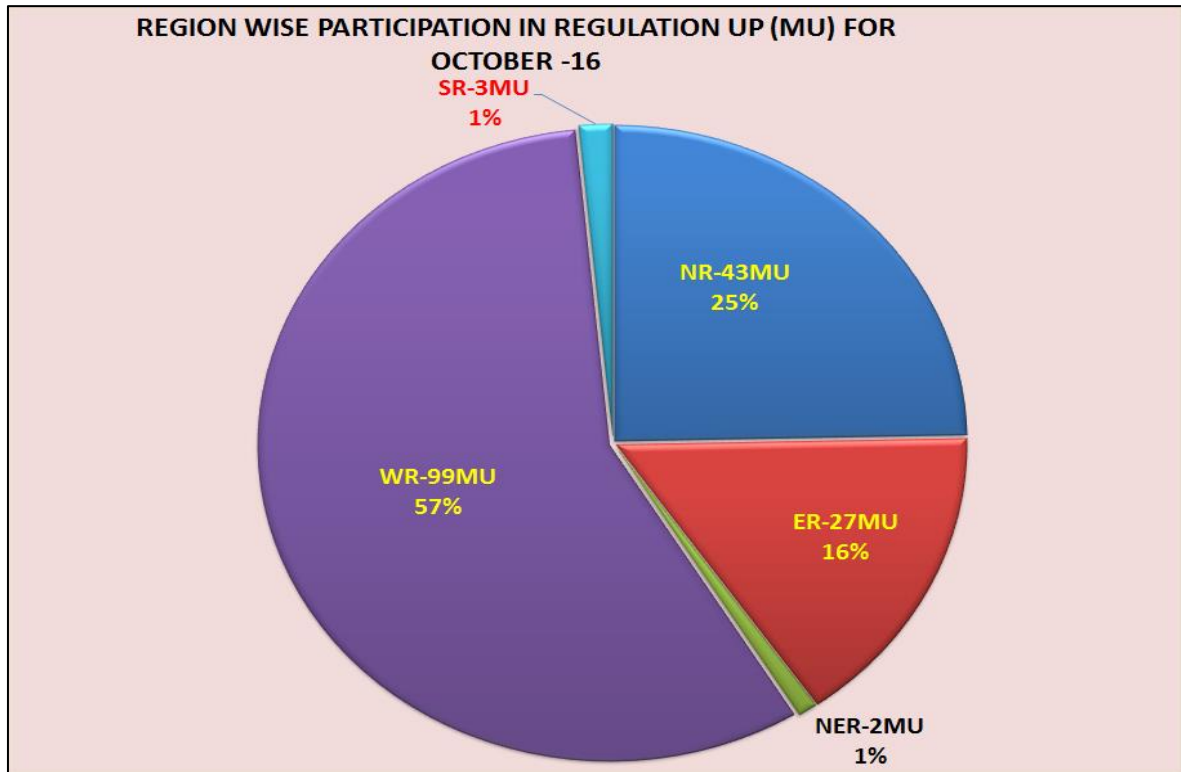


Section-II: Ancillary Despatched (MW)–

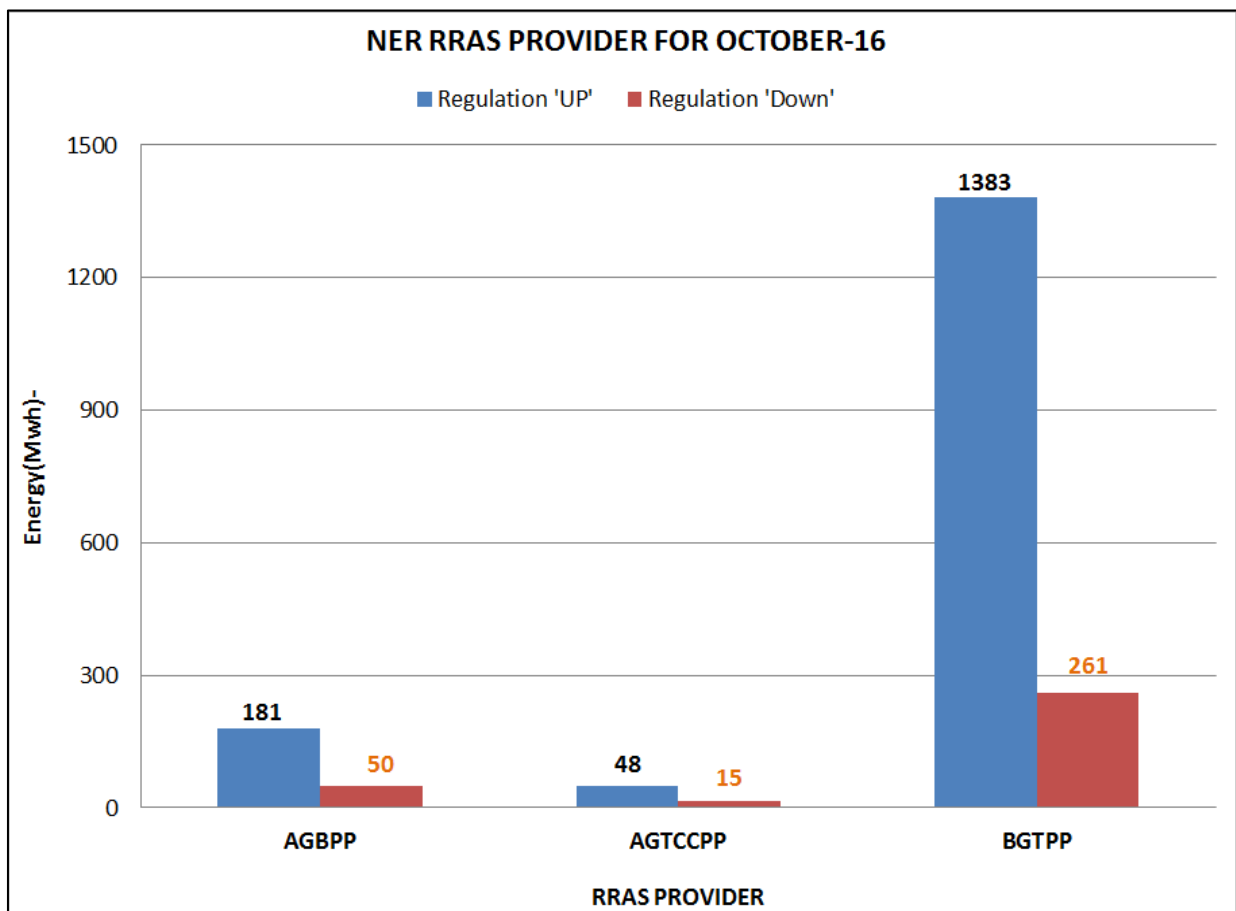
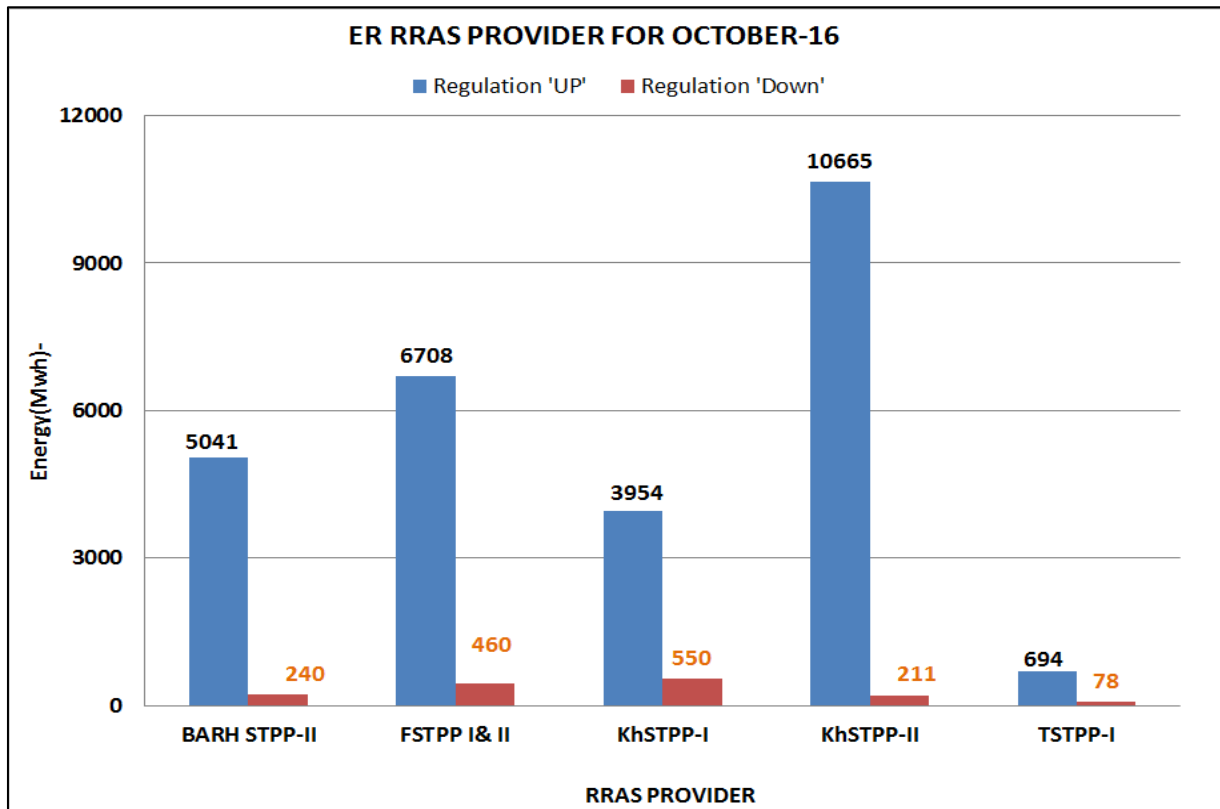


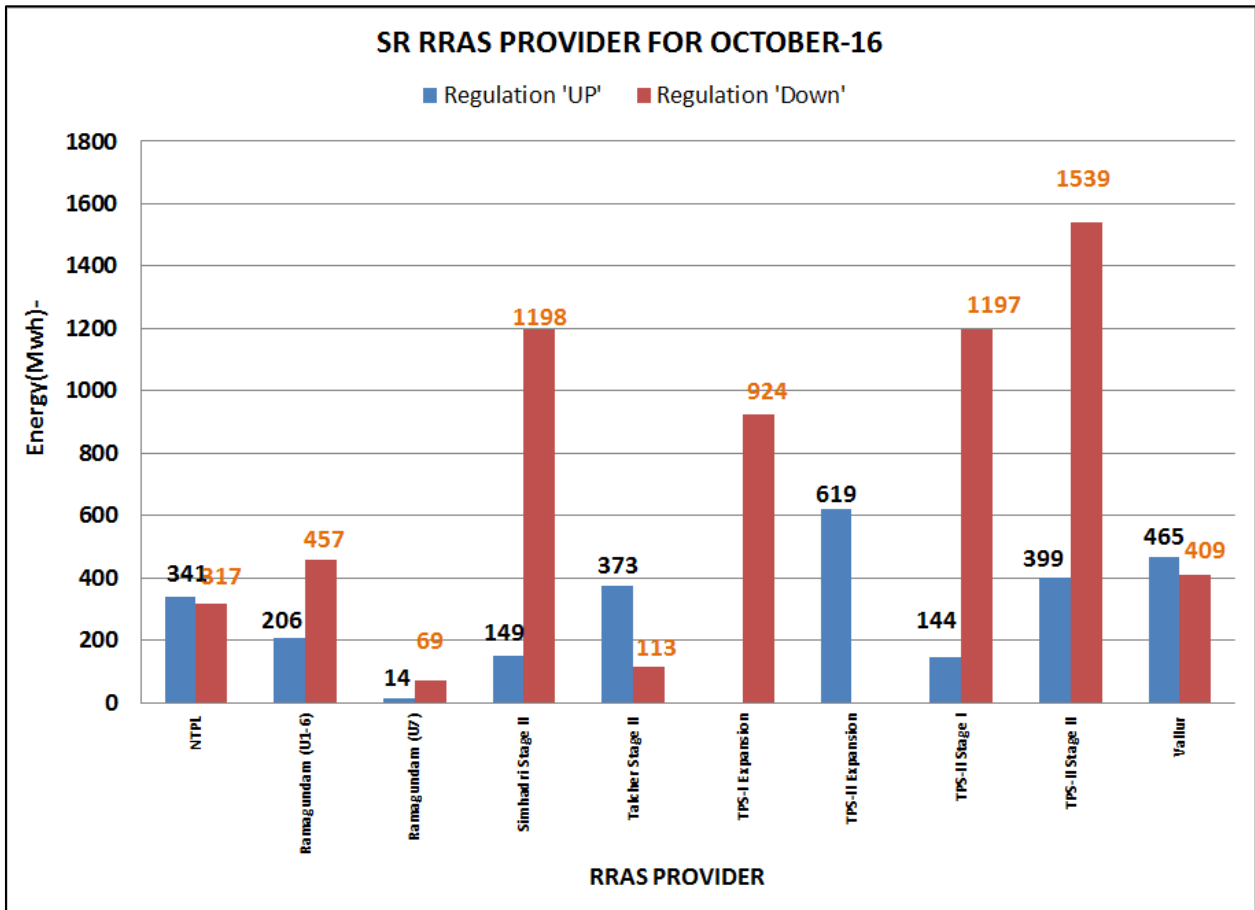
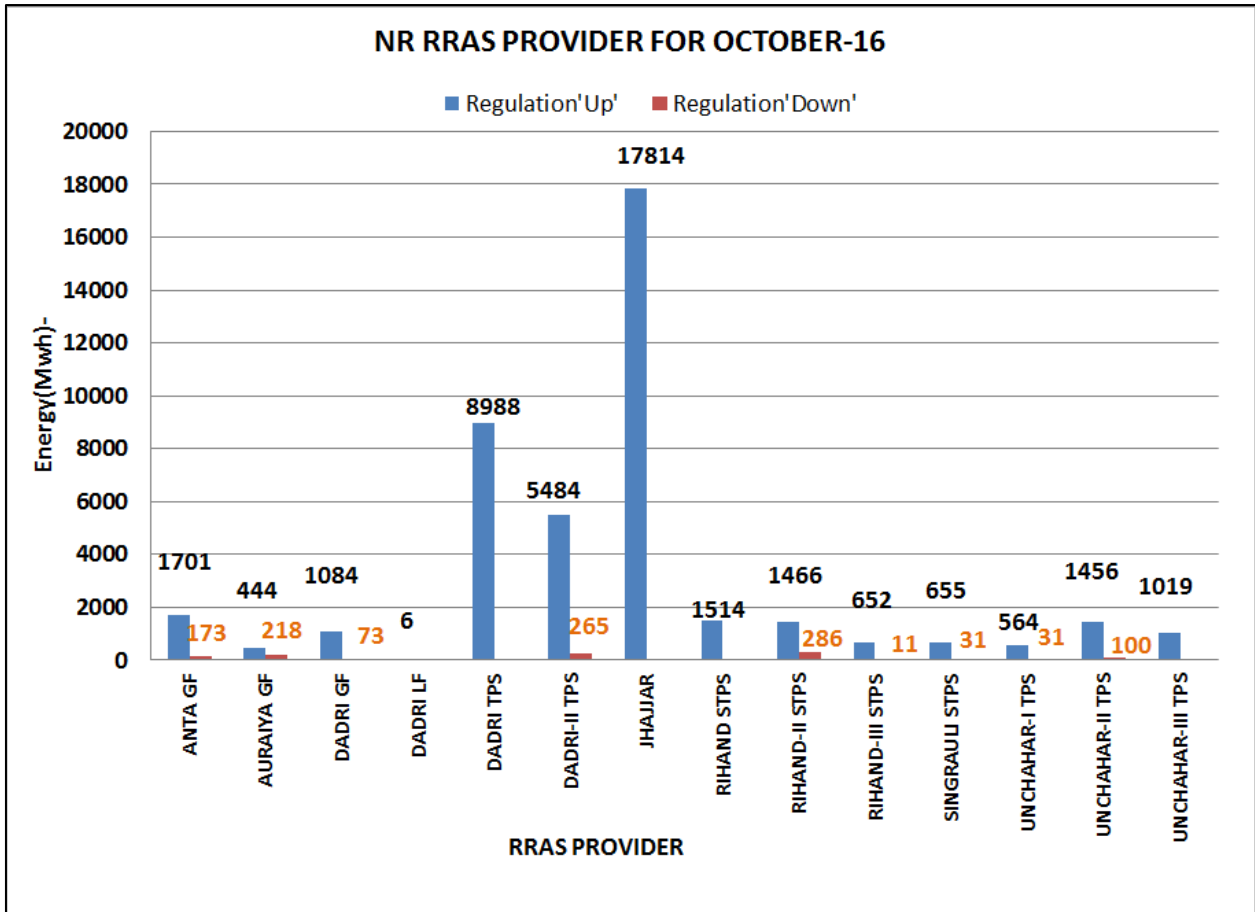


Section-III: Region wise participation in RRAS-

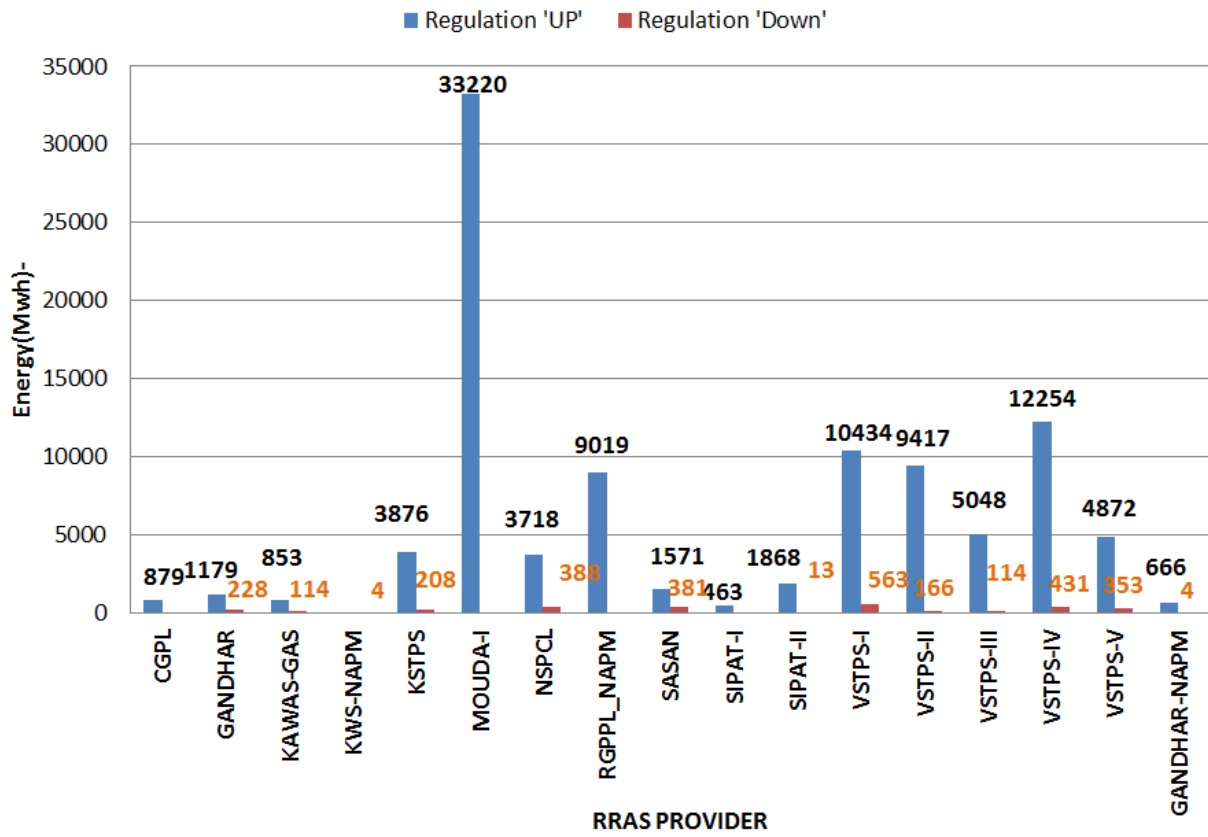


Section IV: Region wise energy despatch in Ancillary services-





WR RRAS PROVIDER OCTOBER-16



Section VII: Payment to the RRAS Provider(s) from the DSM Pool for Up Regulation from 26/09/2016 to 30/10/2016-

| 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 | 5041 | 9627560 | 14698526 | 2520304 | 26846391 |
| 2 | ER | FSTPP I& II | 6708 | 5285868 | 17522719 | 3353978 | 26162563 |
| 3 | ER | KhSTPP-I | 3954 | 4017267 | 9987385 | 1977001 | 15981652 |
| 4 | ER | KhSTPP-II | 10665 | 12339397 | 25385531 | 5332496 | 43057425 |
| 5 | ER | TSTPP-I | 694 | 631226 | 1143013 | 347209 | 2121448 |
| | ER | Total | 27062 | 31901318 | 68737174 | 13530988 | 114169479 |
| | | | | | | | |
| 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) |
| 6 | NER | AGBPP | 181 | 354278 | 301913 | 90285 | 746476 |
| 7 | NER | AGTCCPP | 48 | 69072 | 75840 | 24000 | 168912 |
| 8 | NER | BGTPP | 1383 | 3801189 | 4770007 | 691737 | 9262932 |
| | NER | Total | 1612 | 4224539 | 5147760 | 806022 | 10178321 |
| | | | | | | | |
| 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) |
| 9 | NR | ANTA GF | 1701 | 1114815 | 4685218 | 850274 | 6650307 |
| 10 | NR | AURAIYA GF | 444 | 228345 | 1203029 | 222125 | 1653499 |
| 11 | NR | DADRI GF | 1084 | 557048 | 3010497 | 541875 | 4109420 |
| 12 | NR | DADRI LF | 6 | 2956 | 43688 | 2875 | 49519 |
| 13 | NR | DADRI TPS | 8988 | 7783683 | 29327493 | 4494045 | 41605221 |
| 14 | NR | DADRI-II TPS | 5484 | 8615361 | 16716059 | 2742001 | 28073421 |
| 15 | NR | JHAJJAR | 17814 | 30462154 | 61586632 | 8907060 | 100955846 |
| 16 | NR | RIHAND STPS | 1514 | 1214644 | 2540883 | 757018 | 4512545 |
| 17 | NR | RIHAND-II STPS | 1466 | 1340956 | 2541220 | 732763 | 4614939 |
| 18 | NR | RIHAND-III STPS | 652 | 966124 | 1098482 | 325953 | 2390559 |
| 19 | NR | SINGRAULI STPS | 655 | 400143 | 1043104 | 327450 | 1770697 |
| 20 | NR | UNCHAHAAR-I TPS | 564 | 474808 | 1550176 | 281953 | 2306937 |
| 21 | NR | UNCHAHAAR-II TPS | 1456 | 1275546 | 3951627 | 728051 | 5955224 |
| 22 | NR | UNCHAHAAR-III TPS | 1019 | 1393425 | 2768888 | 509666 | 4671979 |
| | NR | Total | 42846 | 55830008 | 132066996 | 21423109 | 209320113 |
| | | | | | | | |

| 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) |
|------------------|--------|--------------------|--|------------------------|---------------------------|-----------------------------------|-----------------------|
| 23 | SR | NTPL | 341 | 195966 | 723996 | 170405 | 1090367 |
| 24 | SR | Ramagundam (U1-6) | 206 | 267739 | 505444 | 102880 | 876063 |
| 25 | SR | Ramagundam (U7) | 14 | 28634 | 32846 | 6750 | 68230 |
| 26 | SR | Simhadri Stage II | 149 | 138895 | 312291 | 74675 | 525861 |
| 27 | SR | Talcher Stage II | 373 | 593707 | 982249 | 186349 | 1762305 |
| 28 | SR | TPS-II Expansion | 619 | 1072896 | 1335304 | 309728 | 2717928 |
| 29 | SR | TPS-II Stage I | 144 | 89329 | 375065 | 72156 | 536551 |
| 30 | SR | TPS-II Stage II | 399 | 601095 | 926719 | 199673 | 1247005 |
| 31 | SR | Vallur | 465 | 293606 | 1207385 | 232284 | 1733275 |
| | SR | Total | 2710 | 3281867 | 6401299 | 1354899 | 10557585 |
| | | | | | | | |
| 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) |
| 32 | WR | CGPL | 879 | 795043 | 1135373 | 439250 | 2369666 |
| 33 | WR | GANDHAR | 1179 | 1076500 | 2562030 | 589540 | 4228071 |
| 34 | WR | KAWAS-GAS | 853 | 622369 | 1894034 | 426280 | 2942684 |
| 35 | WR | KSTPS | 3876 | 2034764 | 5802517 | 1937870 | 9775150 |
| 36 | WR | MOUDA-I | 33220 | 62852694 | 80162179 | 16610120 | 159624993 |
| 37 | WR | NSPCL | 3718 | 6630069 | 7145461 | 1859245 | 15634774 |
| 38 | WR | RGPPL_NAPM | 9019 | 12175652 | 17205831 | 4509500 | 33890981 |
| 39 | WR | SASAN | 1571 | 267332 | 2520958 | 785345 | 3573633 |
| 40 | WR | SIPAT-I | 463 | 633848 | 637512 | 231500 | 1502859 |
| 41 | WR | SIPAT-II | 1868 | 2343914 | 2638724 | 933830 | 5916467 |
| 42 | WR | VSTPS-I | 10434 | 6635834 | 19218926 | 5216850 | 31071610 |
| 43 | WR | VSTPS-II | 9417 | 5885820 | 16404639 | 4708655 | 26999113 |
| 44 | WR | VSTPS-III | 5048 | 5507891 | 8813935 | 2524240 | 16846066 |
| 45 | WR | VSTPS-IV | 12254 | 18663513 | 21534930 | 6127220 | 46325662 |
| 46 | WR | VSTPS-V | 4872 | 6283928 | 8512646 | 2436065 | 17232640 |
| 47 | WR | GANDHAR-NAPM | 666 | 607794 | 1638978 | 332855 | 2579627 |
| | WR | Total | 99337 | 133016965 | 197828673 | 49668365 | 380513996 |
| | | | | | | | |
| ALL INDIA | | Total | 173567 | 228254697 | 410181902 | 86783383 | 724739494 |

Section VII: Payments by the RRAS Provider(s) to the DSM Pool for DOWN Regulation from 26/09/2016 to 30/10/2016-

| 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 | 240 | 667008 | 500256 |
| 2 | ER | FarrakhaSTPP I& II | 460 | 1199822 | 899867 |
| 3 | ER | KhSTPP-I | 550 | 1354584 | 1015938 |
| 4 | ER | KhSTPP-II | 211 | 492685 | 369514 |
| 5 | ER | TSTPP-I | 78 | 127977 | 95982 |
| | ER | Total | 1538 | 3842076 | 2881557 |
| | | | | | |
| 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) |
| 6 | NER | AGBPP | 50 | 82929 | 62197 |
| 7 | NER | AGTCCPP | 15 | 23700 | 17775 |
| 8 | NER | BGTPP | 261 | 896559 | 672419 |
| | NER | Total | 326 | 1003188 | 752391 |
| | | | | | |
| 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) |
| 9 | NR | ANTA GF | 173 | 482497 | 361873 |
| 10 | NR | AURAIYA GF | 218 | 704576 | 528432 |
| 11 | NR | DADRI GF | 73 | 205173 | 153880 |
| 13 | NR | DADRI-II TPS | 265 | 812196 | 609147 |
| 15 | NR | RIHAND-II STPS | 286 | 503139 | 377354 |
| 16 | NR | RIHAND-III STPS | 11 | 18832 | 14124 |
| 17 | NR | SINGRAULI STPS | 31 | 46894 | 35170 |
| 18 | NR | UNCHAHAHAR-I TPS | 31 | 81648 | 61236 |
| 19 | NR | UNCHAHAHAR-II TPS | 100 | 266262 | 199696 |
| | NR | Total | 1187 | 3121217 | 2340912 |
| | | | | | |

| 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) |
|------------------|--------|--------------------|--|---|---|
| 20 | SR | NTPL | 317 | 738047 | 553535 |
| 21 | SR | Ramagundam (U1-6) | 457 | 970988 | 728242 |
| 22 | SR | Ramagundam (U7) | 69 | 145304 | 108979 |
| 23 | SR | Simhadri Stage II | 1198 | 3184209 | 2388157 |
| 24 | SR | Talcher Stage II | 113 | 181763 | 136322 |
| 25 | SR | TPS-II Stage I | 1197 | 3110124 | 2332593 |
| 26 | SR | TPS-II Stage II | 1539 | 3998476 | 2998857 |
| 27 | SR | TPS-I Expansion | 924 | 2276954 | 1707716 |
| 28 | SR | Vallur | 409 | 884339 | 663255 |
| | SR | Total | 6223 | 15490204 | 11617656 |
| | | | | | |
| 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) |
| 29 | WR | GANDHAR | 228 | 495808 | 371856 |
| 30 | WR | KAWAS-GAS | 114 | 252494 | 189370 |
| 31 | WR | KAWAS-NAPM | 4 | 10737 | 8053 |
| 32 | WR | KSTPS | 208 | 313726 | 235295 |
| 33 | WR | NSPCL | 388 | 737564 | 553173 |
| 34 | WR | SASAN | 381 | 608654 | 456490 |
| 35 | WR | SIPAT-II | 13 | 18564 | 13923 |
| 36 | WR | VSTPS-I | 563 | 1036733 | 777549 |
| 37 | WR | VSTPS-II | 166 | 288136 | 216101 |
| 38 | WR | VSTPS-III | 114 | 197111 | 147833 |
| 39 | WR | VSTPS-IV | 431 | 752945 | 564709 |
| 40 | WR | VSTPS-V | 353 | 613703 | 460277 |
| | WR | Total | 2960 | 5326175 | 3994629 |
| | | | | | |
| ALL INDIA | | Total | 12234 | 28782860 | 21587145 |