

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड  
POWER SYSTEM OPERATION CORPORATION LIMITED  
(A Govt. of India Enterprise)



पंजीकृत एवं केंद्रीय कार्यालय: बी-09, प्रथम तल, कुतुब इंस्टीट्यूशनल एरिया, कटवारिया सराय, नई दिल्ली - 110 016  
Registered & Corporate Office: B – 9, 1<sup>st</sup> Floor, Qutab Institutional Area, Katwaria Sarai, New Delhi - 110016  
CIN No: U40105DL2009GOI188682, website: www.posoco.in, Tel: 011 – 41035696, Fax: 011 – 26536901

संदर्भ संख्या: पोसोको/एनएलडीसी/2020/

दिनांक: 20<sup>th</sup> अगस्त, 2020

सेवा मे,

वितरण सूची के अनुसार

विषय: जुलाई 2020 माह के लिए आर आर ए एस प्रकीर्या की मासिक रिपोर्ट।

महोदय,

अनुषंगी सेवाओं के परिचालन हेतु अनुमोदित विस्तृत प्रक्रिया के प्रावधान के अनुसार, आर आर ए एस प्रक्रिया के विभिन्न परिचालन पहलुओं से संबन्धित जुलाई 2020 माह की रिपोर्ट।

सादर धन्यवाद,

भवदीय

(जी चक्रवर्ती)

मुख्य महाप्रबंधक/ रा. भा. प्रे. के

## वितरण सूची

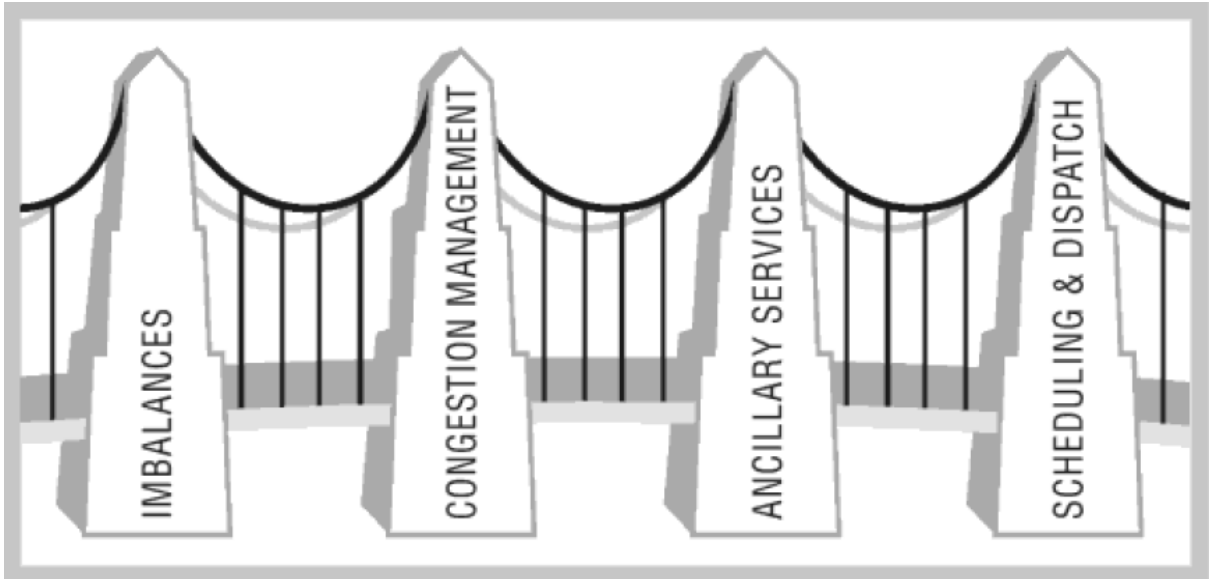
### Distribution List

- 1 सचिव, के.वि.नि.आ. तीसरा एवं चौथा तल, चंद्रलोक भवन, 36, जनपथ, नई दिल्ली-110001  
Secretary, CERC, 3<sup>rd</sup> & 4<sup>th</sup> Floor, Chanderlok Building,36,Janpath,New Delhi-110001
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- 9 कार्यपालक निदेशक, प. क्षे. भा. प्रे. के., एफ-3, एम आई डी सी क्षेत्र, अंधेरी(पूर्व), मुंबई - 400093  
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Executive Director, NERLDC, Dongtieh, Lower Nongrah, Laplang, Shillong-793006
- 11 वरिष्ठ महाप्रबंधक, उ.क्षे.भा.प्रे.के, 18/ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016  
Chief General Manager, NRLDC,18/A,SJSS Marg, Katwaria Sarai,New Delhi-110016
- 12 कार्यपालक निदेशक, द. क्षे. भा. प्रे. के, 29, रेस कोर्स क्रॉस रोड, बंगलूरु - 560009  
Executive Director, 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**



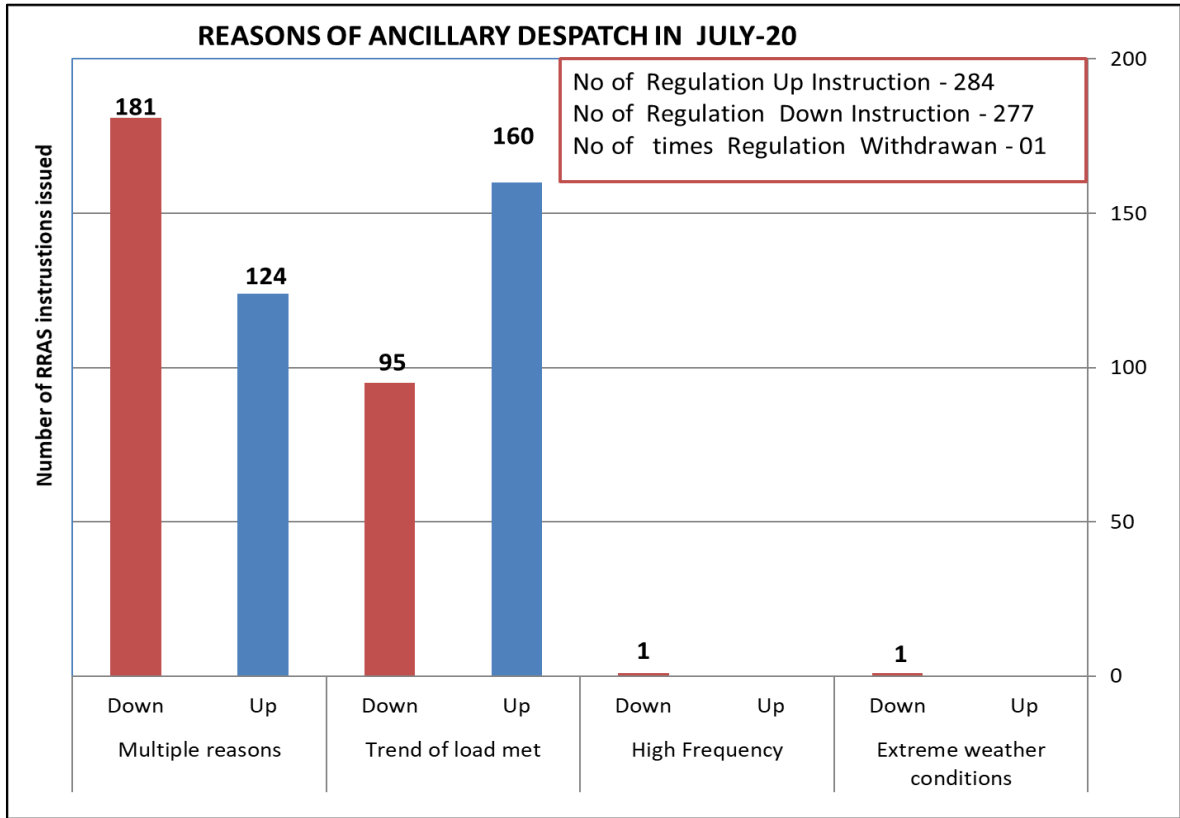
आर.आर.ए.एस प्रक्रिया की  
जुलाई-2020 माह के लिए कार्यान्वयन रिपोर्ट

**IMPLEMENTATION OF THE RRAS MECHANISM**  
**REPORT FOR THE MONTH OF JULY 2020**

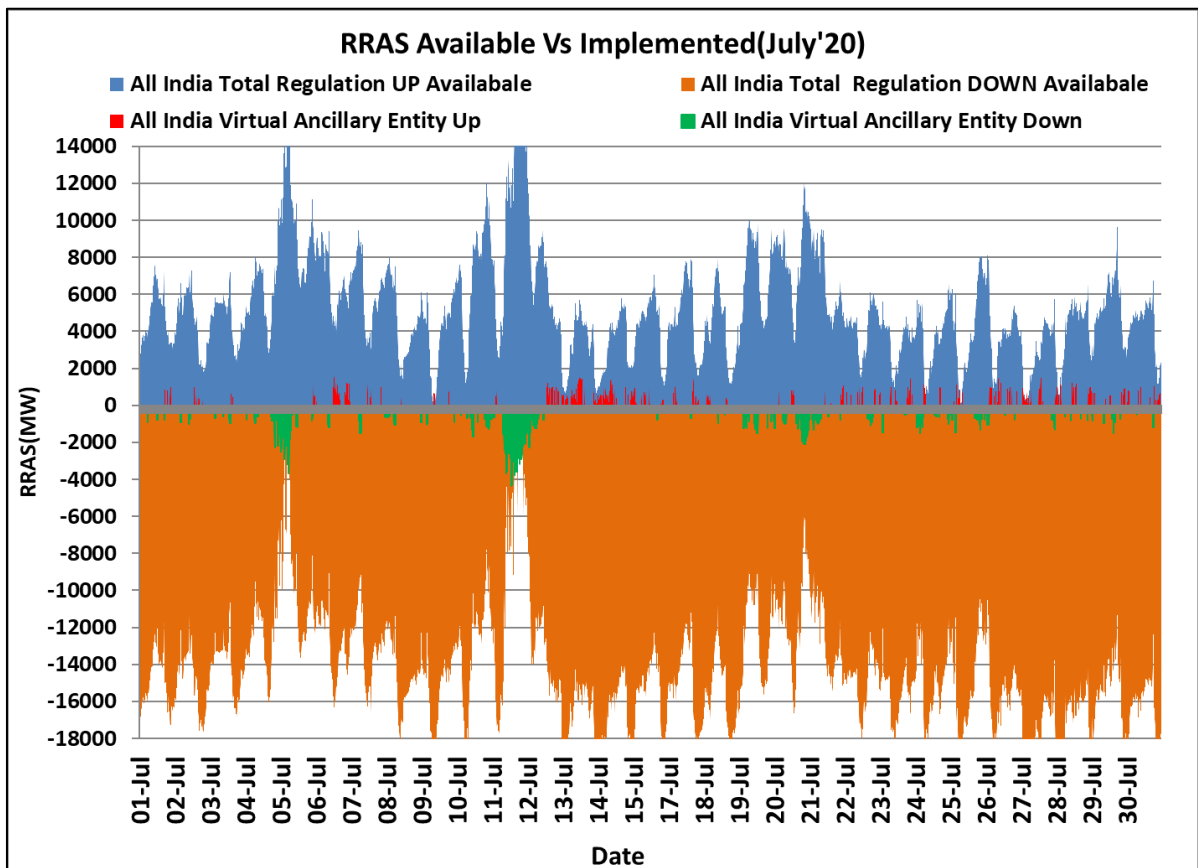
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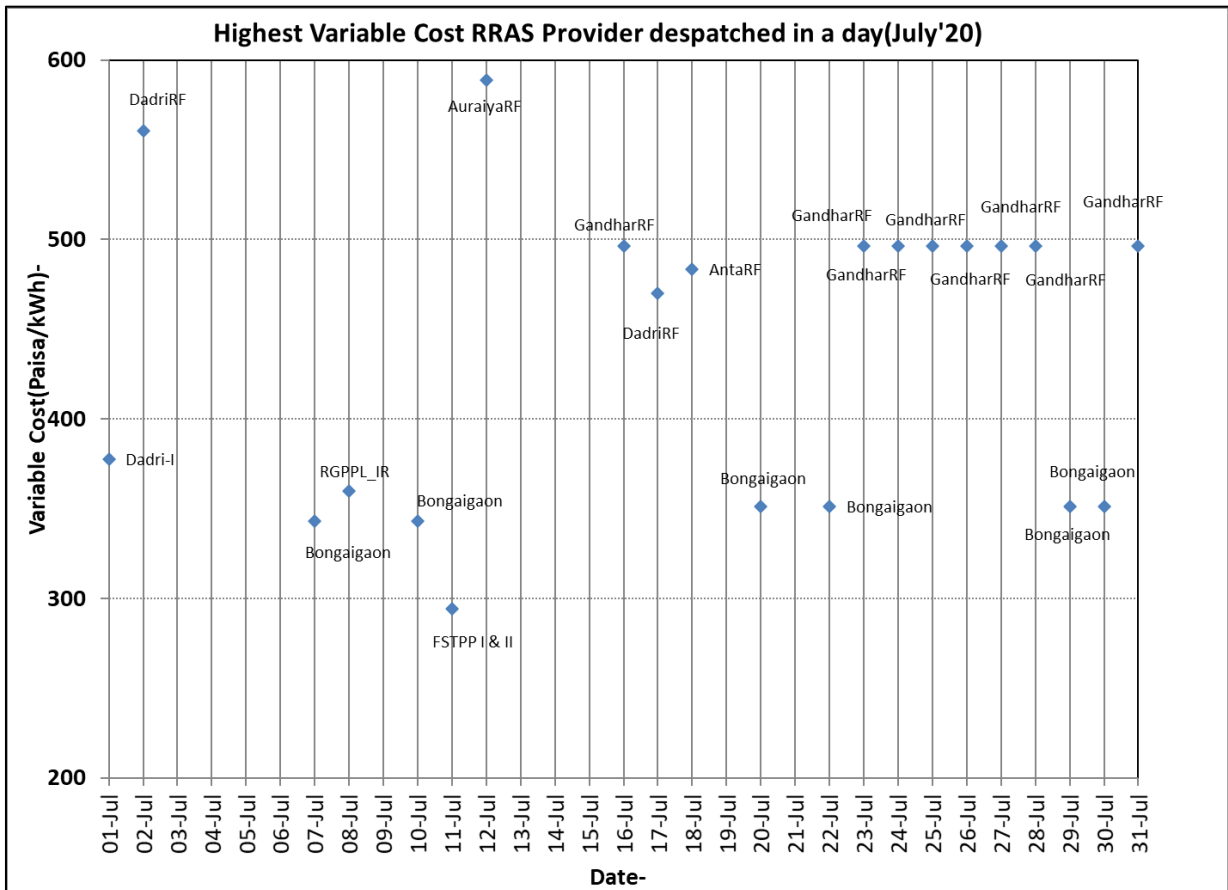
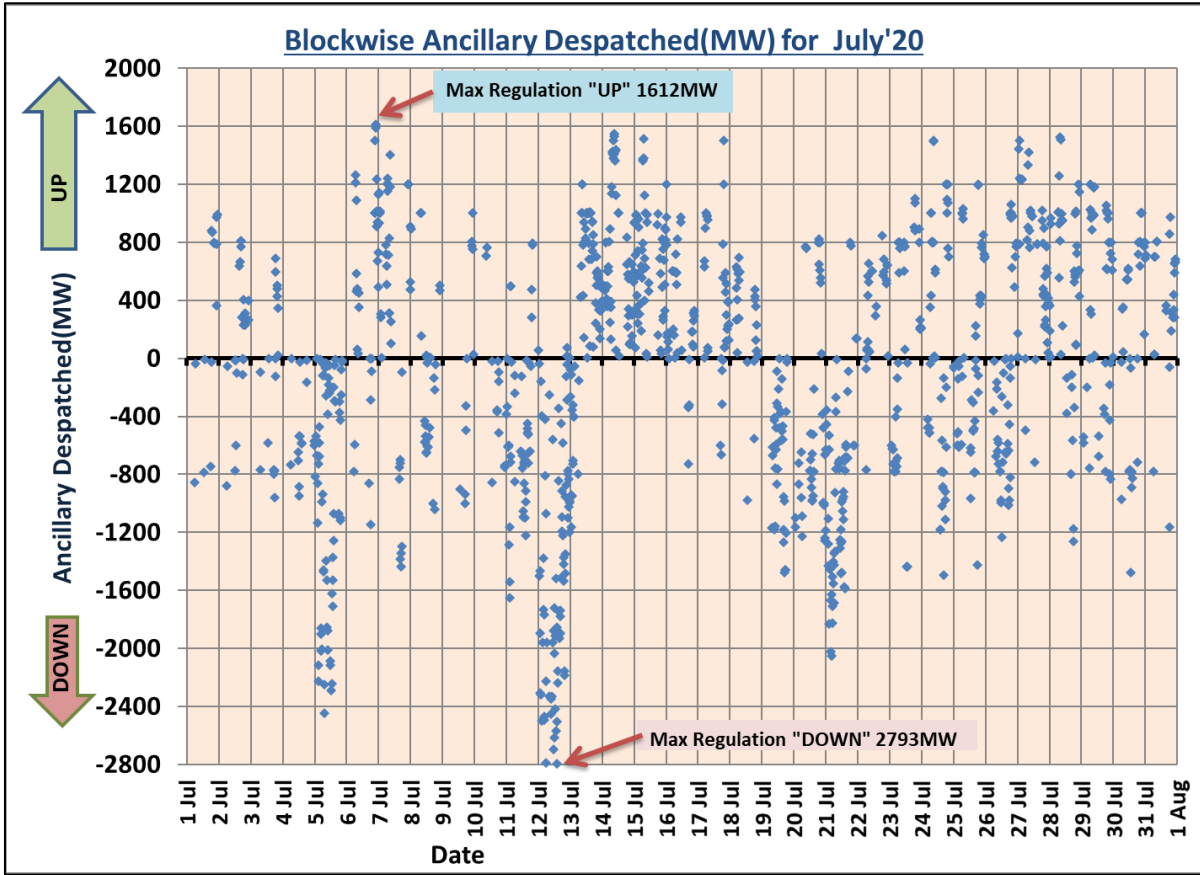
**Section-1: जुलाई-20 माह में अनुषंगी सेवा प्रेषण के कारण/ Reasons for Ancillary Services Despach in July-20 month-**



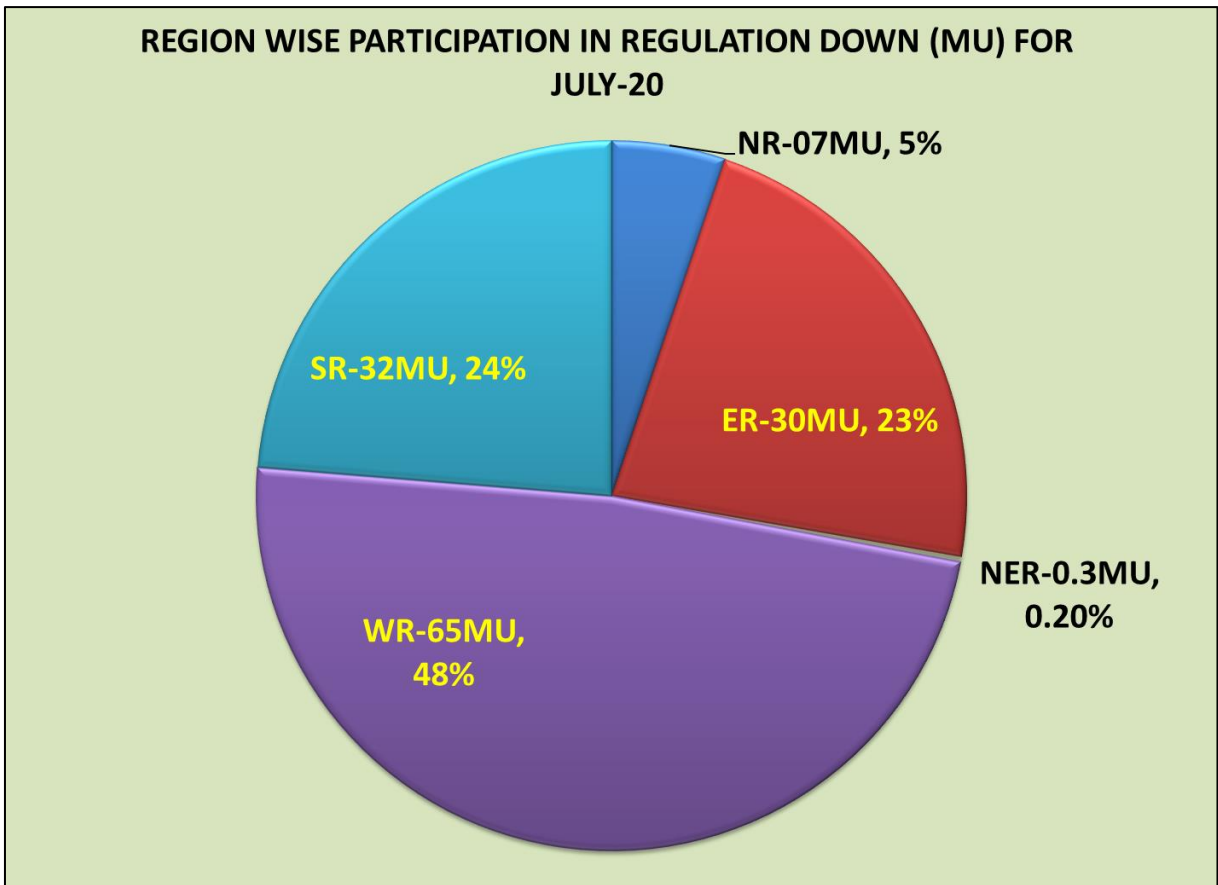
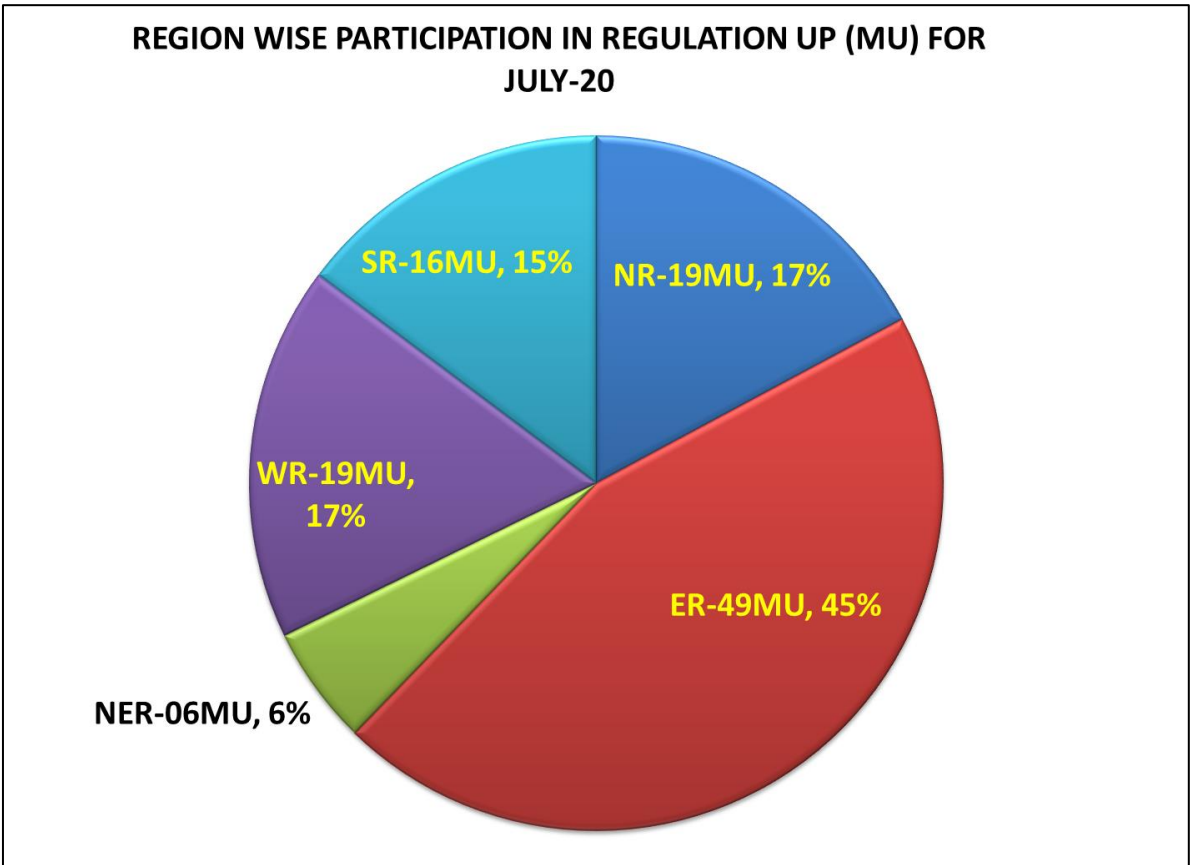
**Section-2: जुलाई,20 माह में आरक्षित का उपयोग/ Utilisation of reserves for July,20**



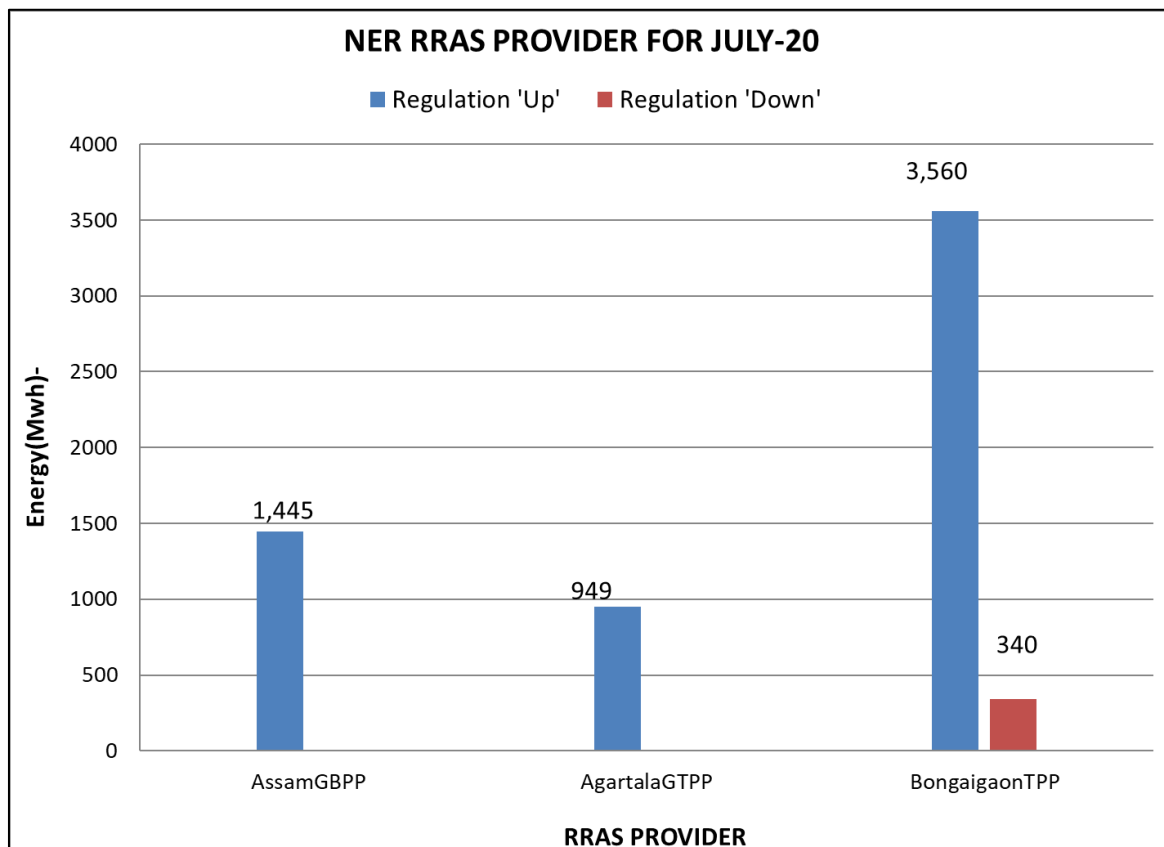
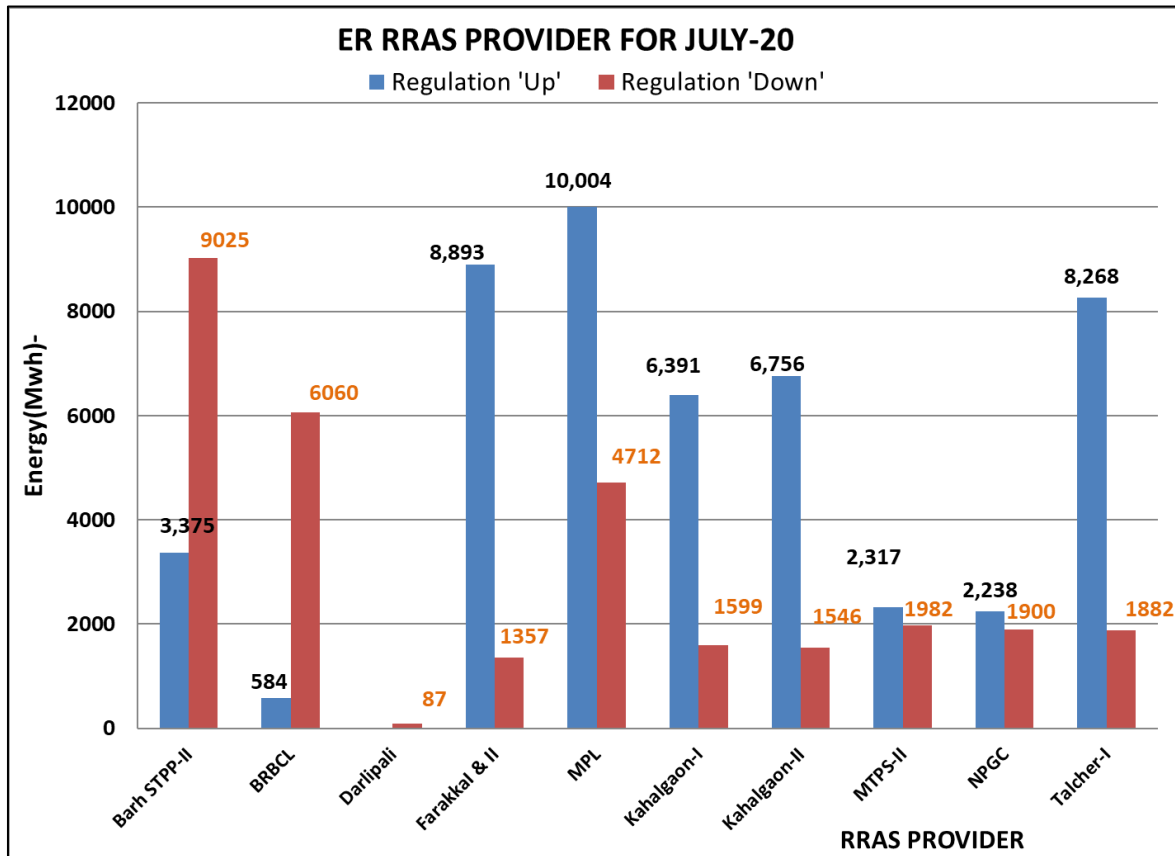
### Section-3: अनुषंगी सेवा प्रेषण (MW) /Ancillary Despatched (MW)



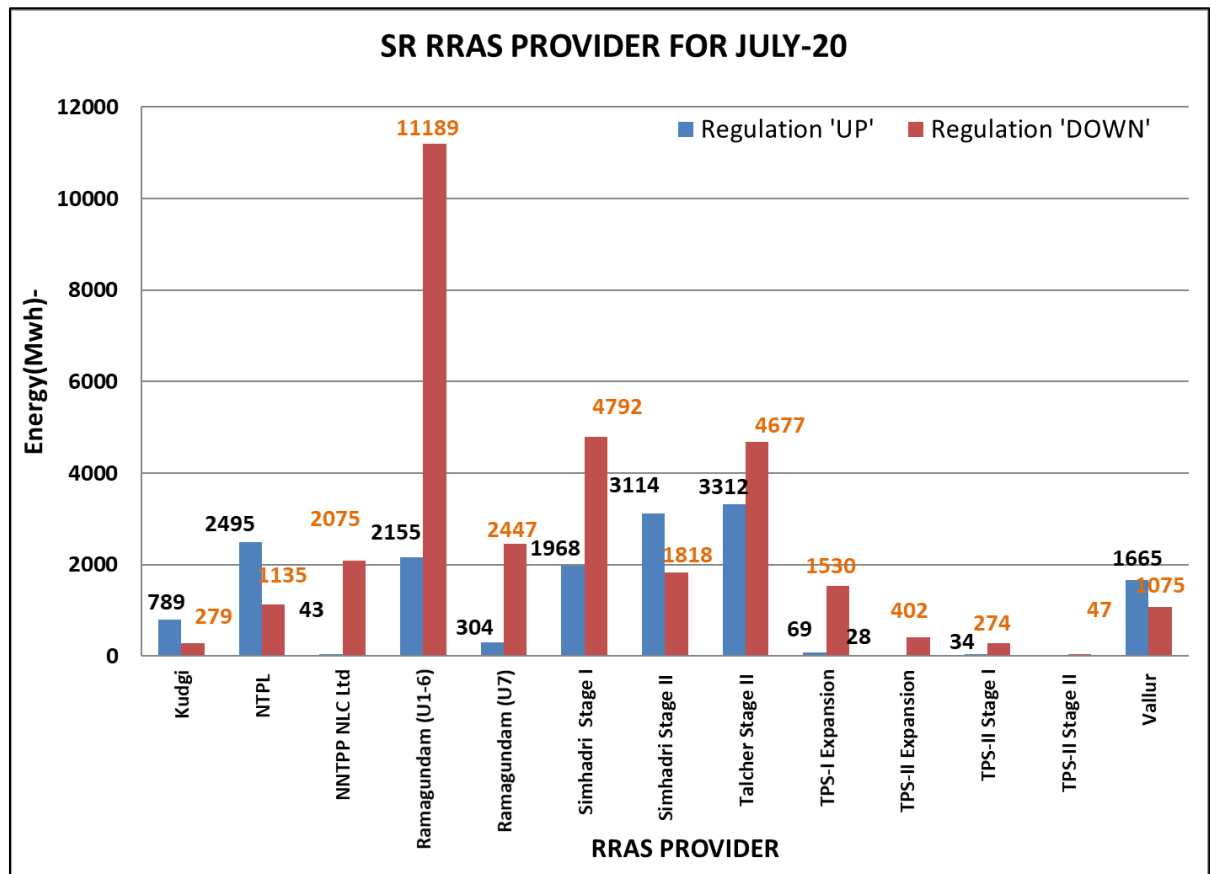
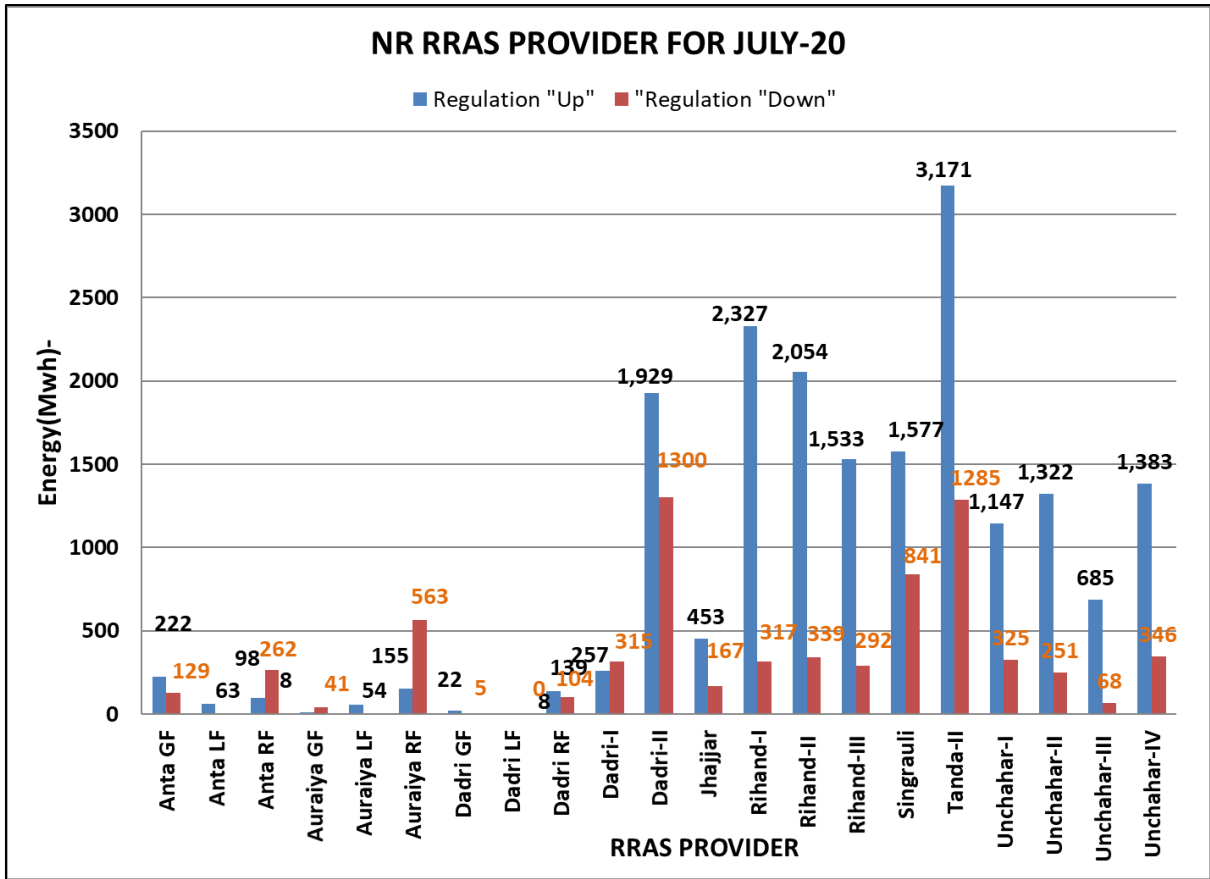
**Section-4: अनुषंगी सेवा मे क्षेत्रवार भागीदारी/Region wise participation in RRAS -**



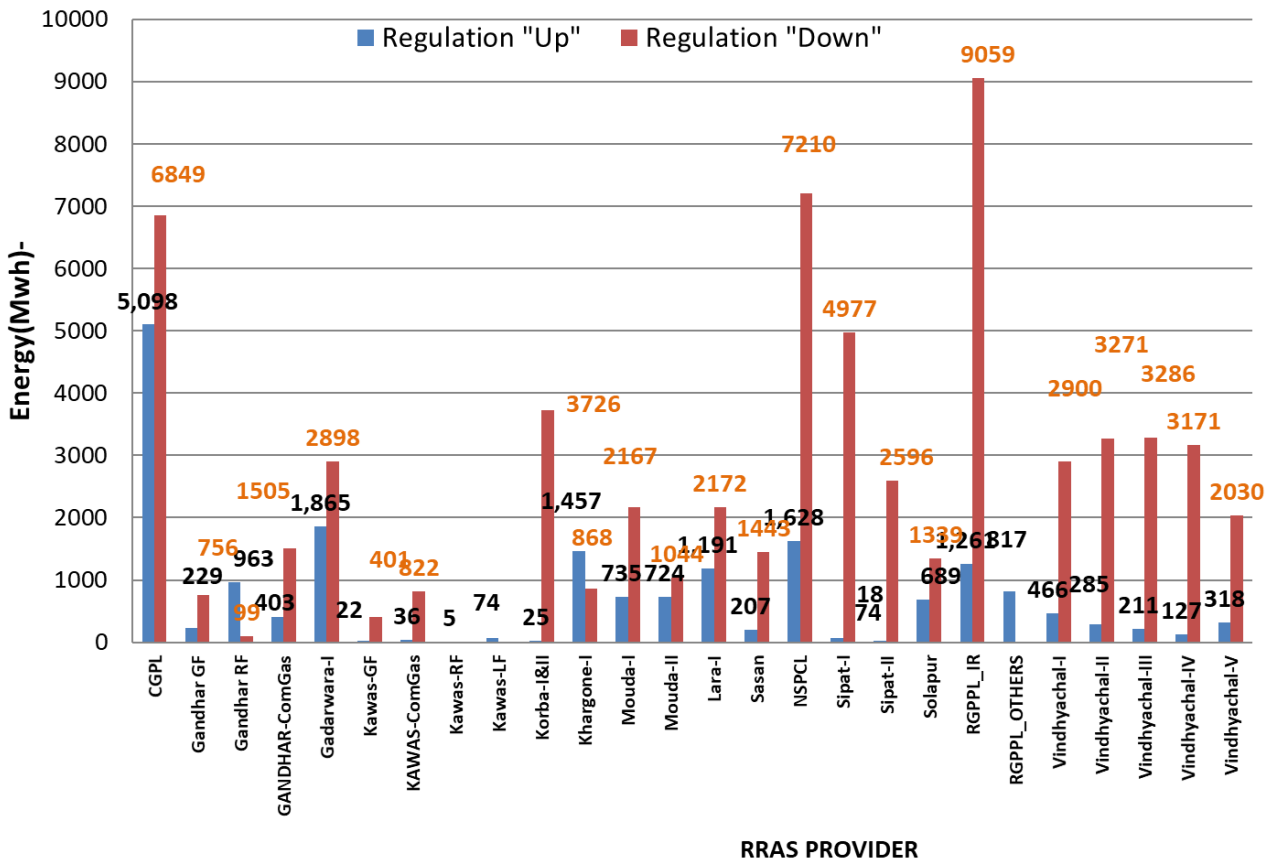
**Section 5: अनुषंगी सेवा में ऊर्जा प्रेषण का क्षेत्रवार विवरण / Region wise energy despatch in Ancillary services-**







### WR RRAS PROVIDER JULY-20



**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 29/06/20 to 02/08/20-**

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	3375	6210917	9113872	1687749	17012536
2	ER	BRBCL	584	1460487	1415274	292093	3167857
3	ER	Farakkal & II	8893	7327441	25429582	4446262	37203287
4	ER	Kahalgaon-I	6391	6697850	14252188	3195536	24145576
5	ER	Kahalgaon-II	6756	7357107	14296069	3377919	25031102
6	ER	MTPS-II	2317	6335405	6017307	1158631	13511339
7	ER	MPL	10004	14236272	27126750	5002204	46365226
8	ER	NPGC	2238	5682980	4281119	1119137	11083235
9	ER	Talcher-I	8268	7929280	15864155	4134136	27927573
	ER	<b>Total</b>	<b>48827</b>	<b>63237739</b>	<b>117796316</b>	<b>24413667</b>	<b>205447731</b>
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)
10	NER	AssamGBPP	1445	3689279	2324547	722705	6736531
11	NER	AgartalaGTPP	949	1415804	1262078	474470	3152352
12	NER	Bongaigaon	3560	8566158	12301997	1779940	22648095
	NER	<b>Total</b>	<b>5954</b>	<b>13671241</b>	<b>15888622</b>	<b>2977115</b>	<b>32536978</b>
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)
13	NR	Anta GF	222	156695	563887	110818	831400
14	NR	Anta LF	63	44364	801004	31375	876743
15	NR	Anta RF	98	69108	603211	48875	721194
16	NR	Auraiya GF	8	5064	20872	4000	29936
17	NR	Auraiya LF	54	34340	694780	27125	756245
18	NR	Auraiya RF	155	98260	829530	77615	1005405
19	NR	Dadri GF	22	12672	54802	11000	78474
20	NR	Dadri LF	8	4320	93585	3750	101655
21	NR	Dadri RF	139	80244	739491	69656	889391
22	NR	Dadri-I	257	250211	963248	128577	1342036
23	NR	Dadri-II	1929	2771320	6821380	964272	10556972
24	NR	Jhahhar	453	729538	1581796	226424	2537758
25	NR	Rihand-I	2327	1963971	3353334	1163490	6480795
26	NR	Rihand-II	2054	1445802	2953323	1026847	5425972
27	NR	Rihand-III	1533	2212020	2175188	766466	5153674
28	NR	Singrauli	1577	1032936	2255796	788500	4077232
29	NR	Tanda-II	3171	5082812	8017802	1585406	14686020
30	NR	Unchahar-I	1147	1239368	3778145	573250	5590763
31	NR	Unchahar-II	1322	1334169	4392533	661133	6387835
32	NR	Unchahar-III	685	922678	2259543	342494	3524715
33	NR	Unchahar-IV	1383	2156338	4312338	691577	7160253
	NR	<b>Total</b>	<b>18605</b>	<b>21646230</b>	<b>47265588</b>	<b>9302650</b>	<b>78214468</b>

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)
33	SR	NTPL	2495	3874766	6742446	1247510	11864723
34	SR	NNTPP Unit I NLC Ltd	43	77843	101185	21575	200603
35	SR	Ramagundam (U1-6)	2155	1569082	5395056	1077666	8041804
36	SR	Ramagundam (U7)	304	233145	744457	151788	1129390
37	SR	Simhadri Stage I	1968	1853729	5821970	983933	8659632
38	SR	Simhadri Stage II	3114	4733265	9075982	1556995	15366242
39	SR	Talcher Stage II	3312	2364608	6303835	1655888	10324331
40	SR	TPS-I Expansion	69	66978	176576	34704	278258
41	SR	TPS-II Expansion	28	65680	72961	14223	152864
42	SR	TPS-II Stage I	34	23982	93455	16889	134326
43	SR	Kudgi	789	1315485	2473636	394330	4183451
44	SR	Vallur	1665	2954807	5878795	832340	9665943
	SR	Total	15976	19133370	42880354	7987839	70001567
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)
45	WR	CGPL	5098	4595574	10115591	2549116	17260281
46	WR	Gadarwara-I	1865	3704170	4667564	932289	9304023
47	WR	Gandhar GF	229	242534	459104	114500	816137
48	WR	Gandhar RF	963	1020345	5423285	481704	6925333
49	WR	GANDHAR-ComGas	403	427162	1096238	201663	1725062
50	WR	Kawas-GF	22	18416	44221	11000	73636
51	WR	Kawas-RF	5	4186	37100	2500	43786
52	WR	Kawas-LF	74	61527	1112790	36750	1211067
53	WR	KAWAS-ComGas	36	29718	98335	17750	145803
54	WR	Korba-I&II	25	16806	34166	12250	63221
55	WR	Khargone-I	1457	2652770	3771356	728708	7152833
56	WR	Lara-I	1191	2338484	2580709	595731	5514924
57	WR	Mouda-I	735	1380322	2113159	367498	3860977
58	WR	Mouda-II	724	1075439	2092358	362125	3529922
59	WR	Sasan	207	34965	275581	103444	413988
60	WR	Solapur	689	1185992	1941843	344665	3472500
61	WR	NSPCL	1628	2772217	4259661	813922	7845799
62	WR	Sipat-I	74	96460	105295	36875	238629
63	WR	Sipat-II	18	21669	25183	8750	55601
64	WR	RGPPL_IR	1261	1648662	3928800	630558	6208020
65	WR	RGPPL_OTHERS	817	1061800	2319508	408375	3789683
66	WR	Vindhyachal-I	466	398997	779741	233168	1411904
67	WR	Vindhyachal-II	285	199515	456335	142389	798238
68	WR	Vindhyachal-III	211	220622	336067	105500	662189
69	WR	Vindhyachal-IV	127	198768	200284	63500	462552
70	WR	Vindhyachal-V	318	531721	516226	159036	1206984
	WR	Total	18928	25938841	48790500	9463766	84193092
<b>ALL INDIA</b>		<b>Total</b>	<b>108290</b>	<b>143627421</b>	<b>272621380</b>	<b>54145037</b>	<b>470393836</b>

## 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 29/06/20 to 02/08/20-

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	9025	24166120	18124590
2	ER	BRBCL	6060	14792469	11094352
3	ER	Darlipali	87	89349	67012
4	ER	Farakkal & II	1357	3946137	2959603
5	ER	Kahalgaon-I	1599	3573393	2680046
6	ER	Kahalgaon-II	1546	3285867	2464399
7	ER	MTPS-II	1982	5144925	3858694
8	ER	MPL	4712	12825439	9619079
9	ER	NPGC	1900	3650853	2738140
10	ER	Talcher-I	1882	3606486	2704865
	ER	<b>Total</b>	<b>30150</b>	<b>75081038</b>	<b>56310780</b>
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	NER	Bongaigaon	340	1195283	896462
	NER	<b>Total</b>	<b>340</b>	<b>1195283</b>	<b>896462</b>
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)
12	NR	Anta GF	129	322390	241792
13	NR	Anta RF	262	1318034	988526
14	NR	Auraiya GF	41	105664	79248
15	NR	Auraiya RF	563	2755044	2066282
16	NR	Dadri GF	5	11223	8418
17	NR	Dadri LF	0.1	624	468
18	NR	Dadri RF	104	522434	391825
19	NR	Dadri-I	315	1179562	884674
20	NR	Dadri-II	1300	4589164	3441872
21	NR	Jhajjar	167	582877	437157
22	NR	Rihand-I	317	456977	342732
23	NR	Rihand-II	339	487578	365684
24	NR	Rihand-III	292	413957	310468
25	NR	Singrauli	841	1201831	901373
26	NR	Tanda-II	1285	3256520	2442389
27	NR	Unchahar-I	325	1080814	810611
28	NR	Unchahar-II	251	843280	632458
29	NR	Unchahar-III	68	227941	170955
30	NR	Unchahar-IV	346	1079167	809376
	NR	<b>Total</b>	<b>6950</b>	<b>20435081</b>	<b>15326308</b>
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)
31	SR	Kudgi	279	881983	661488
32	SR	NTPL	1135	3065736	2299304
33	SR	NNTPP Unit I NLC Ltd	2075	4849950	3637463
34	SR	Ramagundam (U1-6)	11189	28028343	21021258
35	SR	Ramagundam (U7)	2447	6076779	4557585
36	SR	Simhadri Stage I	4792	14233486	10675115
37	SR	Simhadri Stage II	1818	5331572	3998680
38	SR	Talcher Stage II	4677	8879451	6659589
39	SR	TPS-I Expansion	1530	3892141	2919106
40	SR	TPS-II Expansion	402	1031772	773829
41	SR	TPS-II Stage I	274	759357	569519
42	SR	TPS-II Stage II	47	130930	98198
43	SR	Vallur	1075	3796054	2847041
	SR	<b>Total</b>	<b>31740</b>	<b>80957554</b>	<b>60718175</b>

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)
44	WR	CGPL	6849	13619389	10214542
45	WR	Gandhar GF	756	1519400	1139550
46	WR	Gandhar RF	99	701816	526362
47	WR	GANDHAR-ComGas	1505	4091277	3068458
48	WR	Gadarwara-I	2898	7284205	5463154
49	WR	Kawas GF	401	806824	605118
50	WR	KAWAS-ComGas	822	2277266	1707949
51	WR	Korba-I	3726	5276051	3957039
52	WR	Khargone-I	868	2247296	1685472
53	WR	Mouda-I	2167	6205014	4653761
54	WR	Mouda-II	1044	3014924	2261193
55	WR	Lara-I	2172	4705408	3529056
56	WR	NSPCL	7210	18938571	14203929
57	WR	RGPPL_IR	9059	29727697	22295774
58	WR	Sasan	1443	1909135	1431852
59	WR	Sipat-I	4977	7390162	5542622
60	WR	Sipat-II	2596	3975062	2981296
61	WR	Solapur	1339	3773090	2829818
62	WR	Vindhyachal-I	2900	4830362	3622772
63	WR	Vindhyachal-II	3271	5236416	3927312
64	WR	Vindhyachal-III	3286	5217907	3913431
65	WR	Vindhyachal-IV	3171	4964326	3723244
66	WR	Vindhyachal-V	2030	3291386	2468540
		<b>Total</b>	<b>64590</b>	<b>141002985</b>	<b>105752243</b>
<b>ALL INDIA</b>		<b>Total</b>	<b>133770</b>	<b>318671941</b>	<b>239003968</b>

**Section 8: एजीसी प्रदाता को डीएसएम पूल से भुगतान**

**/Payment to the AGC Provider from the DSM Pool from 29/06/20 to 02/08/20-**

AGC Provider Name	Region	Up regulation due to AGC (MWh)	Down regulation due to AGC	Net Energy (MWh)	Variable charges (Rs)	Markup Charges as per CERC order (Rs)	Total Charges (Rs)
Dadri-II TPS	NR	13267	1042	12225	42923978	7154538	50078517
Simhadri II	SR	1501	1126	375	1084719	1313206	2397925
Mouda-II	WR	295	184	112	323063	239478	562541
Barh	ER	0	0	0	0	0	0
Bongaigaon	NER	2783	288	2495	8746299	1535607	10300077
<b>Total</b>	<b>All India</b>	<b>17846</b>	<b>2639</b>	<b>15207</b>	<b>53078059</b>	<b>10242829</b>	<b>63339060</b>