

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/2021/

दिनांक: 23<sup>rd</sup> जुलाई, 2021

सेवा मे,

वितरण सूची के अनुसार

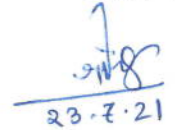
**विषय: जून 2021 माह के लिए आर आर ए एस प्रकीर्या की मासिक रिपोर्ट।**

महोदय,

अनुषंगी सेवाओ के परिचालन हेतु अनुमोदित विस्तृत प्रक्रिया के प्रावधान के अनुसार, आर आर ए एस प्रक्रिया के विभिन्न परिचालन पहलुओ से संबन्धित जून 2021 माह की रिपोर्ट।

सादर धन्यवाद,

भवदीय



23-7-21

(जी चक्रवर्ती)

मुख्य महाप्रबंधक/ रा. भा. प्रे. के

## वितरण सूची

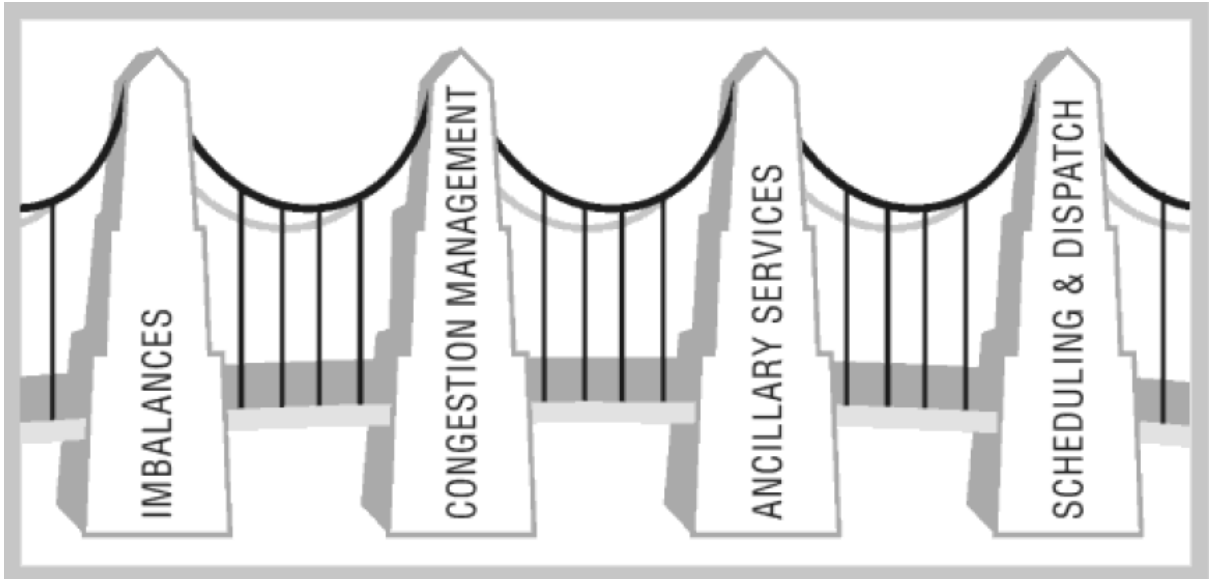
### Distribution List

- 1 सचिव, के.वि.नि.आ. तीसरा एवं चौथा तल, चंद्रलोक भवन, 36, जनपथ, नई दिल्ली-110001  
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Executive Director, ERLDC, 14, Golf Club Road, Kolkata-700033
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Executive Director, WRLDC, F-3, MIDC Area, Andheri (East), Mumbai-400093
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Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009
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Executive Director, NRLDC, 18/A, SJSS Marg, Katwaria Sarai, New Delhi-110016
- 12 कार्यपालक निदेशक, उ. पू. क्षे. भा. प्रे. के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Executive Director, NERLDC, Dongtiah, Lower Nongrah, Lapalang, Shillong-793006



पावर सिस्टम ऑपरेशन कार्पोरेशन लिमिटेड  
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

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



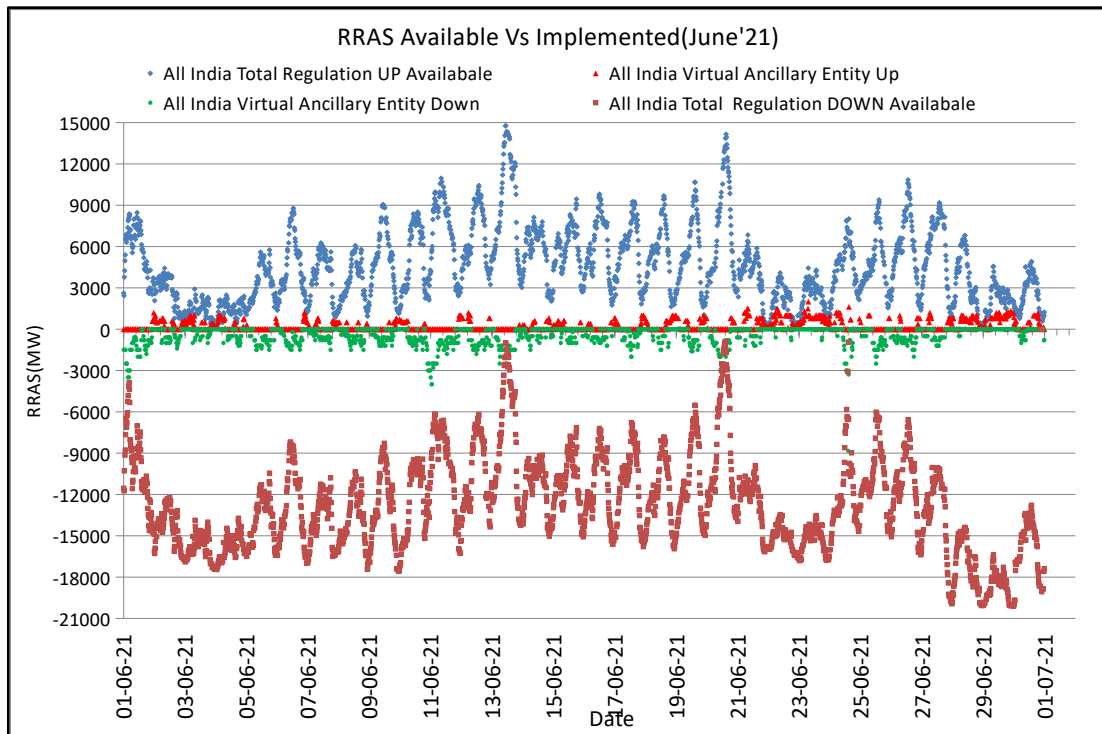
आर.आर.ए.एस प्रक्रिया की  
जून-2021 माह के लिए कार्यान्वयन रिपोर्ट

**IMPLEMENTATION OF THE RRAS MECHANISM**  
**REPORT FOR THE MONTH OF JUNE 2021**

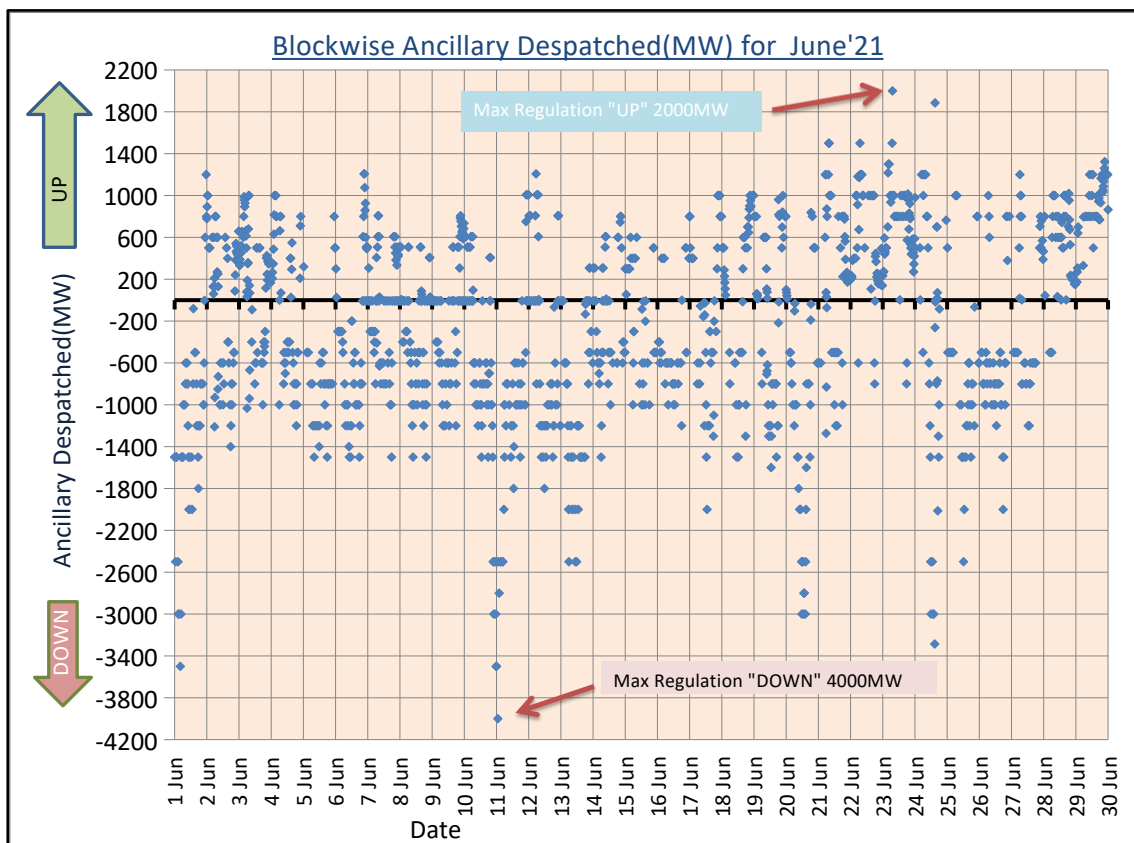
## CONTENTS

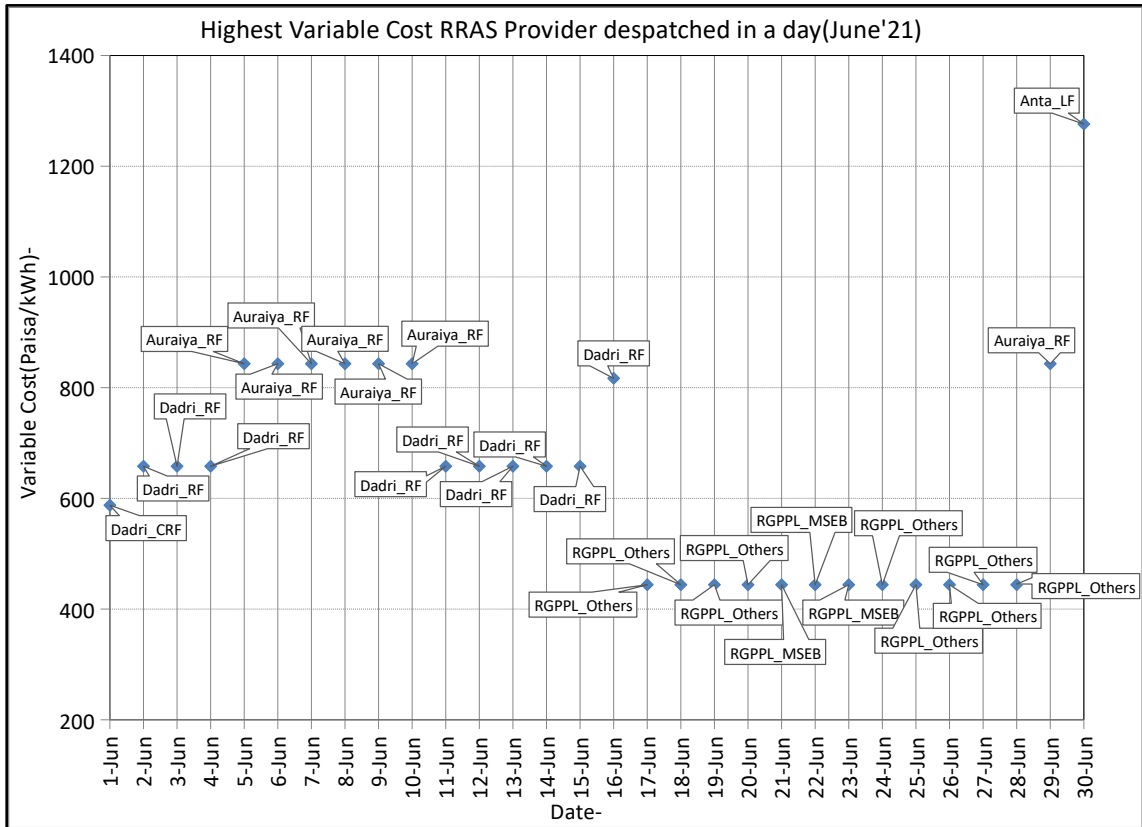
1.	जून-21 माह में अनुषंगी सेवा प्रेषण के कारण Reasons for Ancillary Services Despatch in June-21	2
2.	जून--21 माह में आरक्षित का उपयोग Utilisation of reserves for June-21	2
3.	अनुषंगी सेवा प्रेषण Ancillary Despatched	3
4.	अनुषंगी सेवा में क्षेत्रवार भागीदारी Region wise participation in RRAS	4
5	अनुषंगी सेवा में ऊर्जा प्रेषण का क्षेत्रवार विवरण Region wise energy despatch in Ancillary services	5-7
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	8-9
7	आरआरएस प्रदाता को विनियमन डाउन सेवा के लिए डीएसएम पूल में भुगतान Payments by the RRAS Provider(s) to the DSM Pool for Regulation DOWN	10-11
8	एजीसी प्रदाता को डीएसएम पूल से भुगतान Payment to the AGC Provider from the DSM Pool	12

## Section-1: जून,21 माह में आरक्षित का उपयोग/ Utilisation of reserves for June,21

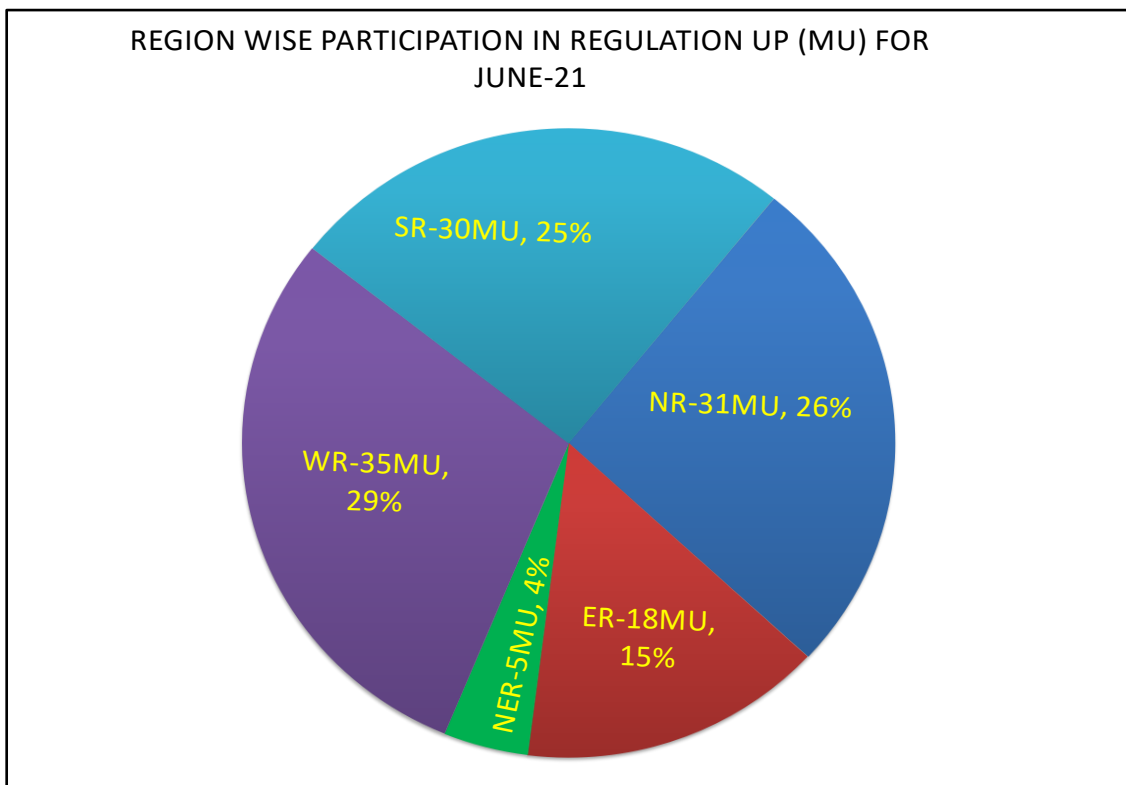


## Section-2: अनुषंगी सेवा प्रेषण (MW) /Ancillary Despatched (MW)

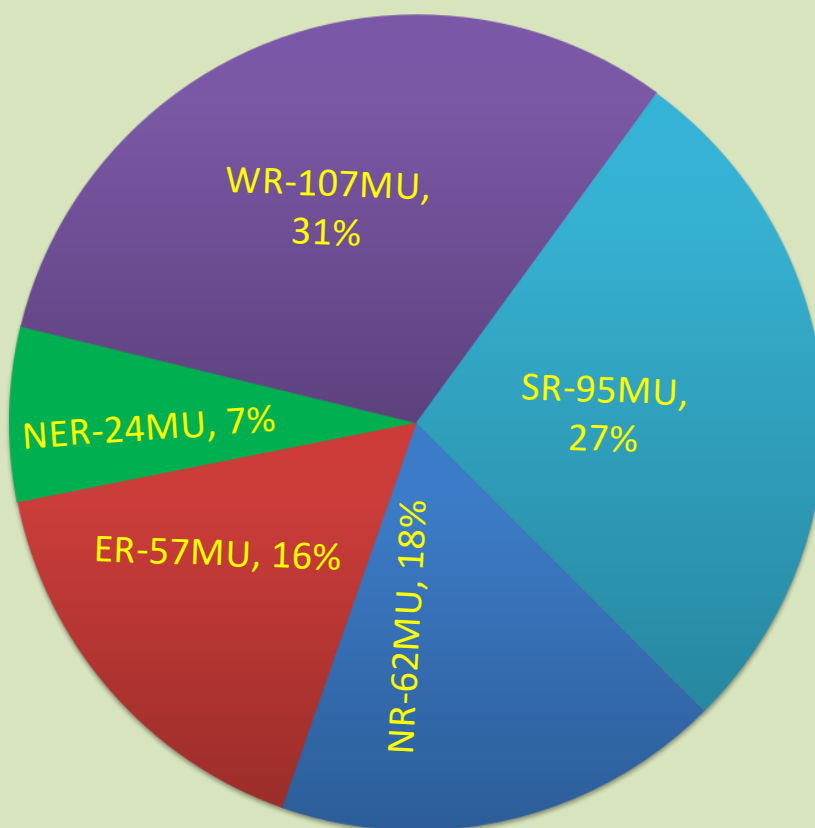




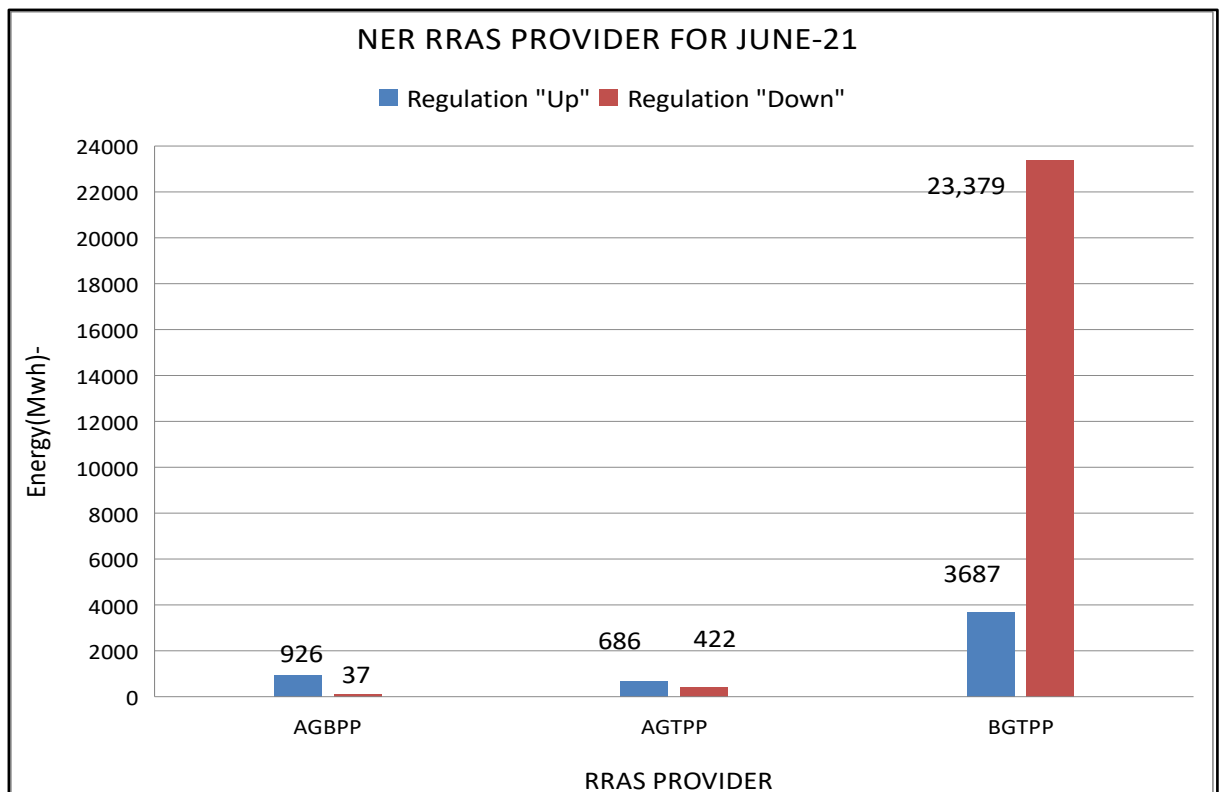
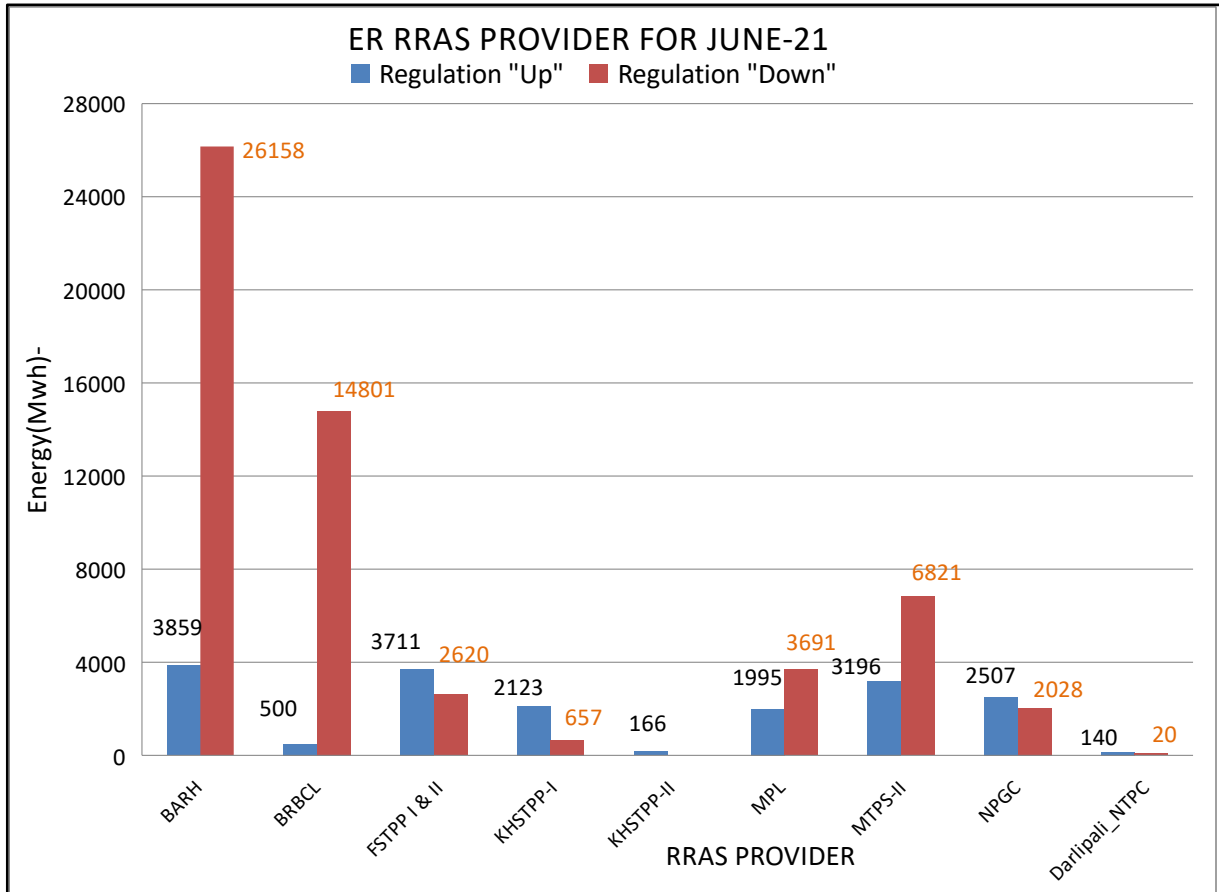
Section-3: अनुषंगी सेवा मे क्षेत्रवार भागीदारी/Region wise participation in RRAS –



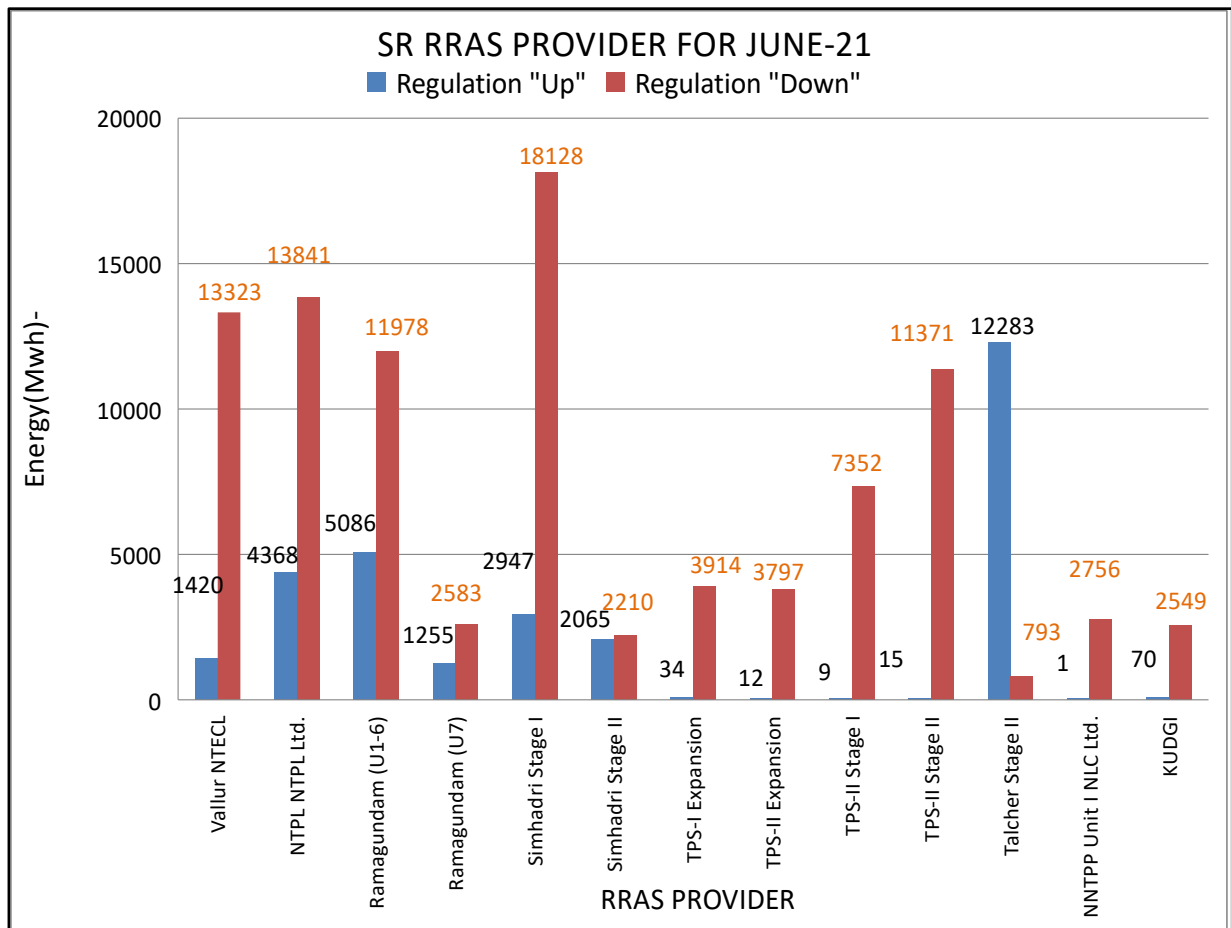
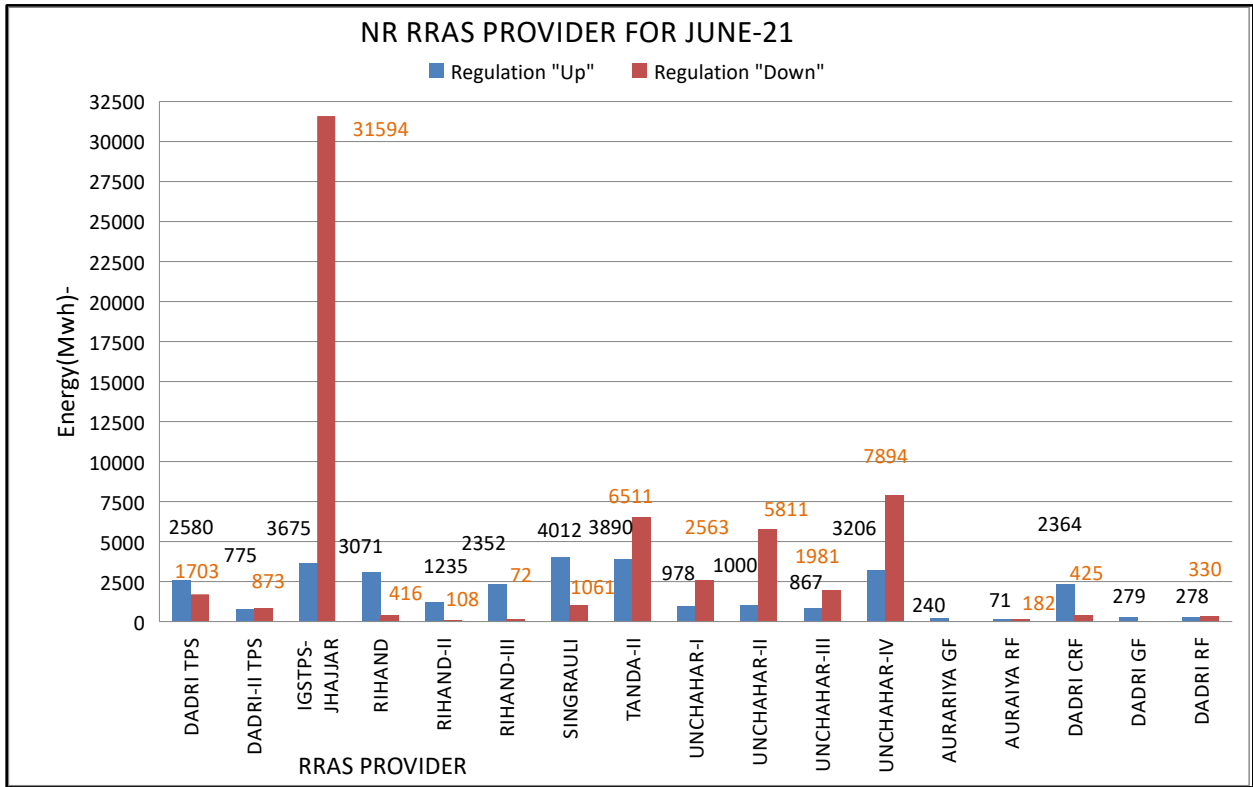
REGION WISE PARTICIPATION IN REGULATION DOWN (MU) FOR  
JUNE-21



**Section 4: अनुषंगी सेवा में ऊर्जा प्रेषण का क्षेत्रवार विवरण / Region wise energy despatch in Ancillary services-**

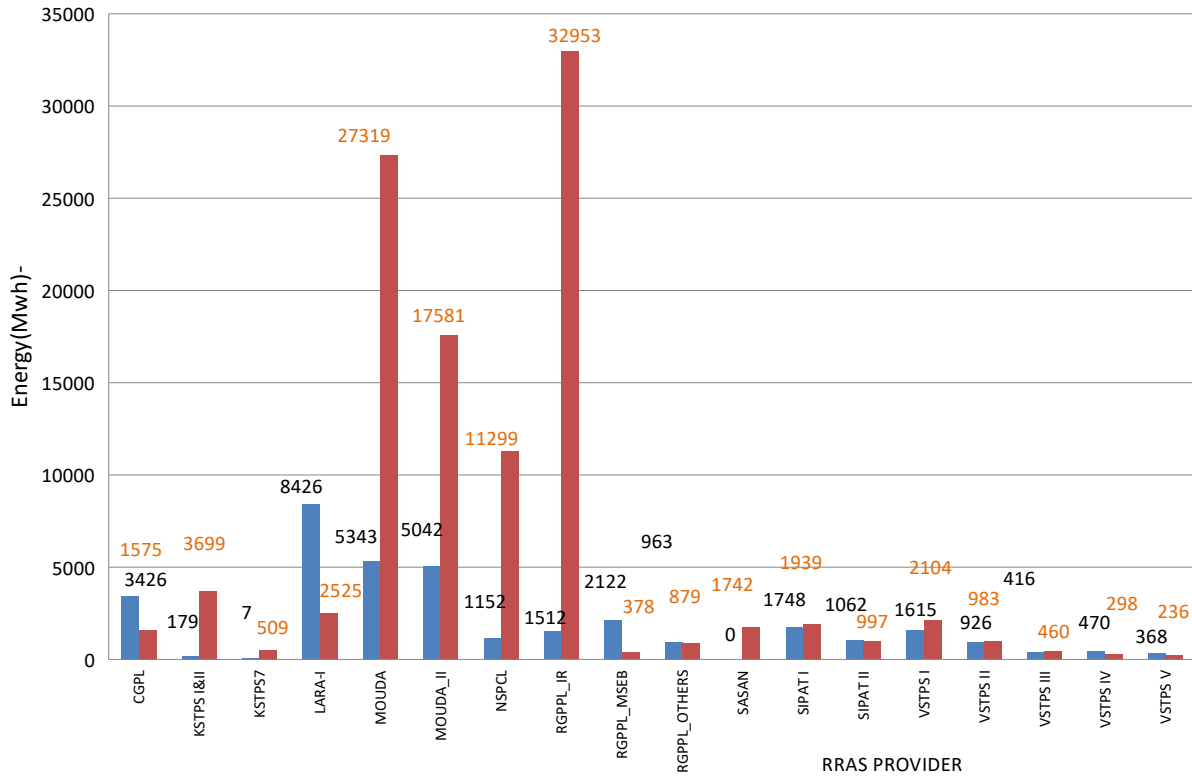






### WR RRAS PROVIDER JUNE-21

■ Regulation "Up" ■ Regulation "Down"



**Section 5: 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 31/05/21 to 27/06/21-**

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	3859	7099985	11176109	1929345	20205439
2	ER	BRBCL	500	1249306	1179057	249861	2678224
3	ER	FSTPP I & II	3711	3057691	10307274	1855395	15220360
4	ER	KHSTPP-I	2123	2224972	4684091	1061533	7970596
5	ER	KHSTPP-II	166	180616	368032	82928	631576
6	ER	MPL	1995	2838936	4517357	997518	8353811
7	ER	MTPS-II	3196	8738910	8810101	1598192	19147203
8	ER	NPGC	2507	6365693	5610853	1253583	13230129
9	ER	Darlipali_NTPC	140	296232	154335	70032	520599
	ER	Total	18197	32052341	46807209	9098387	87957937
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	AGBPP	926	1867979	1125379	463142	3456498
11	NER	AGTPP	686	1028378	1192247	343006	2563629
12	NER	BGTPP	3687	8870880	11041591	1843267	21755730
	NER	Total	5299	11767237	13359217	2649415	27775857
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	DADRI TPS	2580	2510802	7654985	1290238	11456025
14	NR	DADRI-II TPS	775	1113348	2374677	387387	3875412
15	NR	IGSTPS-JHAJJAR	3675	5924687	12209217	1837549	19971453
16	NR	RIHAND STPS	3071	2591598	4134585	1535306	8261489
17	NR	RIHAND-II STPS	1235	869310	1663834	617403	3150547
18	NR	RIHAND-III STPS	2352	3394022	3144323	1176032	7714377
19	NR	SINGRAULI STPS	4012	2627554	5665865	2005765	10299184
20	NR	TANDA-II STPS	3890	6235461	10307285	1944934	18487680
21	NR	UNCHAHAR-I TPS	978	1057492	3148028	489125	4694645
22	NR	UNCHAHAR-II TPS	1000	1009297	3243172	500147	4752616
23	NR	UNCHAHAR-III TPS	867	1168109	2779842	433596	4381547
24	NR	UNCHAHAR-IV TPS	3206	4998185	9715240	1603012	16316437
25	NR	AURARIYA GF	240	152527	520753	120099	793379
26	NR	AURAIYA RF	71	45338	602045	35700	683083
27	NR	DADRI CRF	2364	1364300	13893655	1182238	16440193
28	NR	DADRI GF	279	161045	568520	139554	869119
29	NR	DADRI RF	278	160678	1832349	139236	2132263
	NR	Total	30873	35383753	83458375	15437321	134279449

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)
30	SR	Vallur NTECL	1420	2520013	4366090	709862	7595966
31	SR	NTPL NTPL Ltd.	4368	6783437	13230812	2183979	22198228
32	SR	Ramagundam (U1-6)	5086	3702617	12997099	2543006	19242723
33	SR	Ramagundam (U7)	1255	963842	3180633	627501	4771976
34	SR	Simhadri Stage I	2947	2775850	8711519	1473381	12960751
35	SR	Simhadri Stage II	2065	3138713	5974899	1032471	10146083
36	SR	TPS-I Expansion	34	32991	82328	17094	132414
37	SR	TPS-II Expansion	12	27651	30391	5988	64030
38	SR	TPS-II Stage I	9	6256	23234	4405	33895
39	SR	TPS-II Stage II	15	10822	38779	7352	56954
40	SR	Talcher Stage II	12283	8770411	22284401	6141745	37196558
41	SR	NNTPP Unit I NLC Ltd.	1	943	1149	261	2354
42	SR	KUDGI	70	116472	212485	34914	363871
	SR	Total	29565	28850018	71133819	14781959	114765803
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)
43	WR	CGPL	3426	3086489	6075425	1712831	10874745
44	WR	KSTPS I&II	179	122684	256331	89433	468447
45	WR	KSTPS7	7	9654	9580	3488	22720
46	WR	LARA-I	8426	14101528	17376149	4212933	35690609
47	WR	MOUDA	5343	10033577	14566057	2671346	27270980
48	WR	MOUDA_II	5042	7486517	15027317	2520882	25034715
49	WR	NSPCL	1152	1961363	2861107	575855	5398325
50	WR	RGPPL_IR	1512	1783807	5469115	756201	8009123
51	WR	RGPPL_MSEB	2122	2494823	8987178	1060961	12542962
52	WR	RGPPL_OTHERS	963	1132290	4079885	481550	5693725
53	WR	SASAN	0	5	44	16	66
54	WR	SIPAT I	1748	2279360	2537766	874056	5691181
55	WR	SIPAT II	1062	1315500	1597165	531216	3443881
56	WR	VSTPS I	1615	1381413	2473400	807278	4662091
57	WR	VSTPS II	926	648757	1365868	463002	2477626
58	WR	VSTPS III	416	434436	607862	207746	1250043
59	WR	VSTPS IV	470	735042	678168	234823	1648031
60	WR	VSTPS V	368	615261	549441	184024	1348724
	WR	Total	34777	49622506	84517858	17387641	151527994
ALL INDIA		Total	118711	157675855	299276478	59354723	516307040

## Section 6: आरआरएस प्रदाता को विनियमन डाउन सेवा के लिए डीएसएम पूल में भुगतान /

Payments by the RRAS Provider(s) to the DSM Pool for Regulation DOWN from 31/05/2021 to 27/06/2021

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	26158	73632027	55224021
2	ER	BRBCL	14801	35086679	26315009
3	ER	FSTPP I & II	2620	7073058	5304794
4	ER	KHSTPP-I	657	1463549	1097662
5	ER	MPL	3691	8531025	6398267
6	ER	MTPS-II	6821	18774687	14081015
7	ER	NPGC	2028	4522528	3391896
8	ER	Darlipali_NTPC	20	22192	16644
	ER	Total	56796	149105745	111829308
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	NER	AGBPP	37	44548	33411
10	NER	AGTPP	422	730354	547765
11	NER	BGTPP	23379	69660682	52245512
	NER	Total	23838	70435584	52826688
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	DADRI TPS	1703	5097897	3823422
13	NR	DADRI-II TPS	873	2675553	2006665
14	NR	IGSTPS-JHAJJAR	31594	105467537	79100653
15	NR	RIHAND STPS	416	552243	414182
16	NR	RIHAND-II STPS	108	143672	107754
17	NR	RIHAND-III STPS	72	93603	70202
18	NR	SINGRAULI STPS	1061	1501852	1126389
19	NR	TANDA-II STPS	6511	17213007	12909757
20	NR	UNCHAHAAR-I TPS	2563	8181396	6136044
21	NR	UNCHAHAAR-II TPS	5811	18702670	14027004
22	NR	UNCHAHAAR-III TPS	1981	6317386	4738037
23	NR	UNCHAHAAR-IV TPS	7894	23769375	17827029
24	NR	AURARIYA RF	182	1534223	1150666
25	NR	DADRI RF	330	2173547	1630160
26	NR	DADRI CRF	425	2499240	1874432
	NR	Total	61524	195923201	146942396
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)
27	SR	NTPL NTPL Ltd.	13841	42039970	31529979
28	SR	Ramagundam (U1-6)	11978	29878736	22409052
29	SR	Ramagundam (U7)	2583	6314397	4735799
30	SR	Simhadri Stage I	18128	53268647	39951485
31	SR	Simhadri Stage II	2210	6452859	4839645
32	SR	TPS-I Expansion	3914	9484932	7113700
33	SR	TPS-II Expansion	3797	9633804	7225353
34	SR	TPS-II Stage I NLC Ltd	7352	19400837	14550628
35	SR	TPS-II Stage II NLC Ltd	11371	30005470	22504103
36	SR	Vallur	13323	41872494	31404370
37	SR	NNTPP NLC Ltd.	2756	6056688	4542517
38	SR	Talcher Stage II	793	1469593	1102196
39	SR	KUDGI	2549	7756181	5817136
	SR	Total	94595	263634608	197725963

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)
40	WR	KSTPS I&II	3699	5281304	3960978
41	WR	KSTPS7	509	716750	537563
42	WR	LARA-I	2525	5211509	3908632
43	WR	MOUDA	27319	73502430	55126823
44	WR	MOUDA_II	17581	51458516	38593888
45	WR	NSPCL	11299	27967306	20975479
46	WR	RGPPPL_IR	32953	119095555	89321668
47	WR	RGPPPL_MSEB	378	1539025	1154269
48	WR	RGPPPL_OTHERS	879	3676214	2757161
49	WR	CGPL	1575	2725180	2043885
50	WR	SASAN	1742	2356502	1767377
51	WR	SIPAT I	1939	2753084	2064813
52	WR	SIPAT II	997	1468748	1101561
53	WR	VSTPS I	2104	3221795	2416346
54	WR	VSTPS II	983	1451179	1088384
55	WR	VSTPS III	460	673712	505284
56	WR	VSTPS IV	298	430789	323091
57	WR	VSTPS V	236	351670	263752
	WR	Total	107476	303881268	227910954
ALL INDIA		Total	344229	982980406	737235309

**Section 7: एजीसी प्रदाता को डीएसएम पूल से भुगतान/Payment to the AGC Provider from the DSM Pool from 31/05/21 to 27/06/21-**

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)
CHAMERA HEP	NR	2	484	-482	-548326	242839	-305486
CHAMERA-II HEP	NR	46	516	-470	-472122	280889	-191233
CHAMERA-III HEP	NR	49	331	-282	-554614	189885	-364729
DADRI-II TPS	NR	0	0	0	0	0	0
DHAULIGANGA HEP	NR	0	0	0	0	0	0
DULHASTI HEP	NR	5	15	-9	-30203	10119	-20084
KOTESHWAR	NR	79	36	43	98545	57563	156108
NATHPA JHAKRI HEP	NR	36	294	-258	-293384	164921	-128463
RAMPUR HEP	NR	10	68	-58	-122340	38745	-83594
RIHAND-II STPS	NR	44	51	-7	-9414	47501	38087
RIHAND-III STPS	NR	36	244	-208	-274084	139781	-134304
TEHRI HEP	NR	0	72	-72	-149650	36107	-113543
Simhadri St-II	SR	11	69.52	-58.66	-165778	40190	-125588
RSTPS1-6	SR	170	1064.17	-893.72	-2276398	617312	-1659116
RSTPS7	SR	75	279.21	-203.83	-516720	177290	-339470
NTECL	SR	494	892.92	-398.43	-1191648	693708	-497940
NTPL	SR	110	85.06	24.64	76171	97379	173550
Mouda-II	WR	226	173.47	52.34	151061	199637	350698
CGPL	WR	0	0	0	0	0	0
SIPAT II	WR	4	529.39	-525.44	-817288	324056	-493232
VSTPS II	WR	0	0	0	0	0	0
KSTPS I&II	WR	61	1149.61	-1088.36	-1562883	605428	-957456
KSTPS7	WR	37	245.1	-208.12	-292823	141038	-151785
SIPAT I	WR	3	1037.07	-1033.68	-1209391	463924	-745466
VSTPS IV	WR	0	878.54	-878.54	-1272296	439271	-833025
VSTPS III	WR	3	1048.35	-1045.6	-1530072	525548	-1004524
VSTPS V	WR	12	799.06	-787.23	-1174262	405446	-768816
SOLAPUR	WR	0	0	0	0	0	0
Barh	ER	506	418	88	254989	462357	717346
KHSTPP-II	ER	330	417	-87	-178343	373328	194985
MPL	ER	229	903	-674	-1577579	566254	-1011325
Teesta_V	ER	5	93	-89	-16977	48851	31874
Bongaigaon	NER	7	131	-124	-378753	72934	-305819
Loktak	NER	0	187	-187	-360438	93426	-267012
Total	All India	2591	12511	-9920	-16395018	7555727	-8839361