

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, 1st Floor, Qutab Institutional Area, Katwaria Sarai, New Delhi - 110016
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संदर्भ संख्या: पोसोको/एनएलडीसी/2022/

दिनांक: 24th अगस्त, 2022

सेवा मे,

वितरण सूची के अनुसार

विषय: जुलाई 2022 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 जुलाई 2022 माह की रिपोर्ट।

सादर धन्यवाद,

भवदीय

Sd/-

(समीर चन्द्र सक्सेना)

मुख्य महाप्रबंधक/ रा. भा. प्रे. के

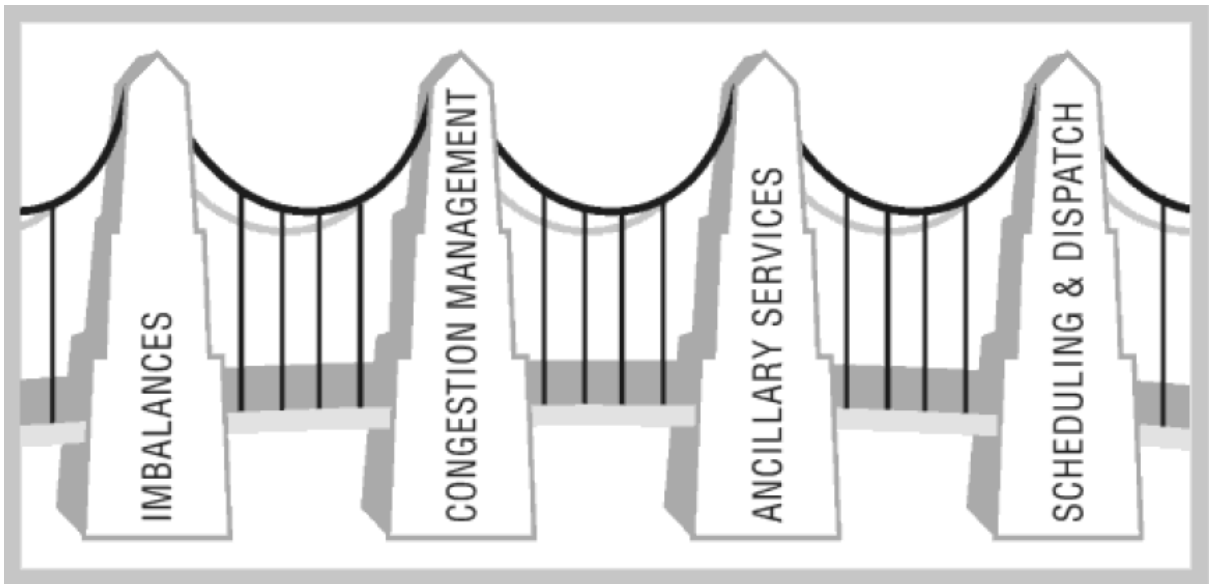
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पावर सिस्टम ऑपरेशन कापोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

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



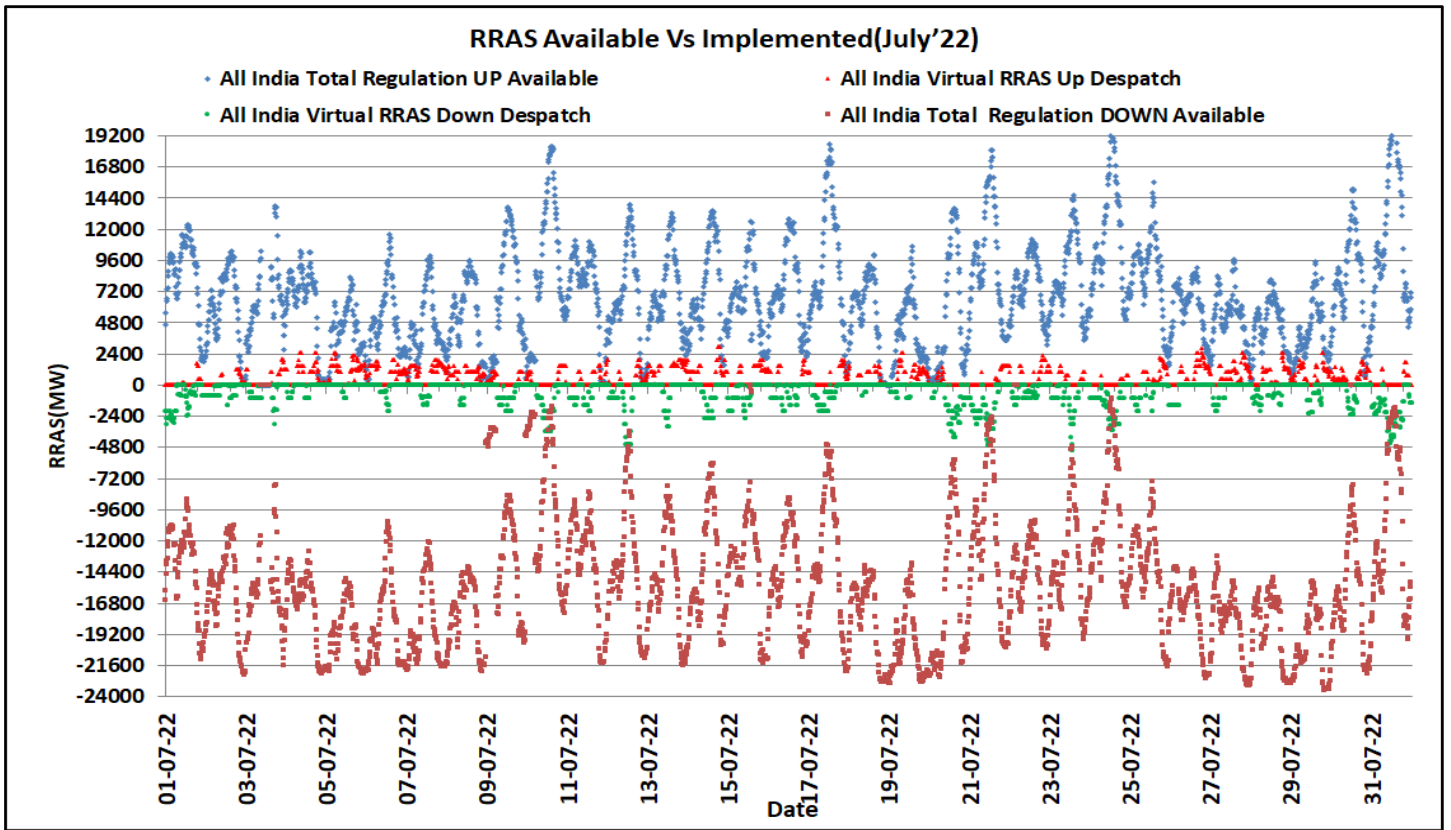
आर.आर.ए.एस प्रक्रिया की
जुलाई-2022 माह के लिए कार्यान्वयन रिपोर्ट

IMPLEMENTATION OF THE RRAS MECHANISM
REPORT FOR THE MONTH OF JULY 2022

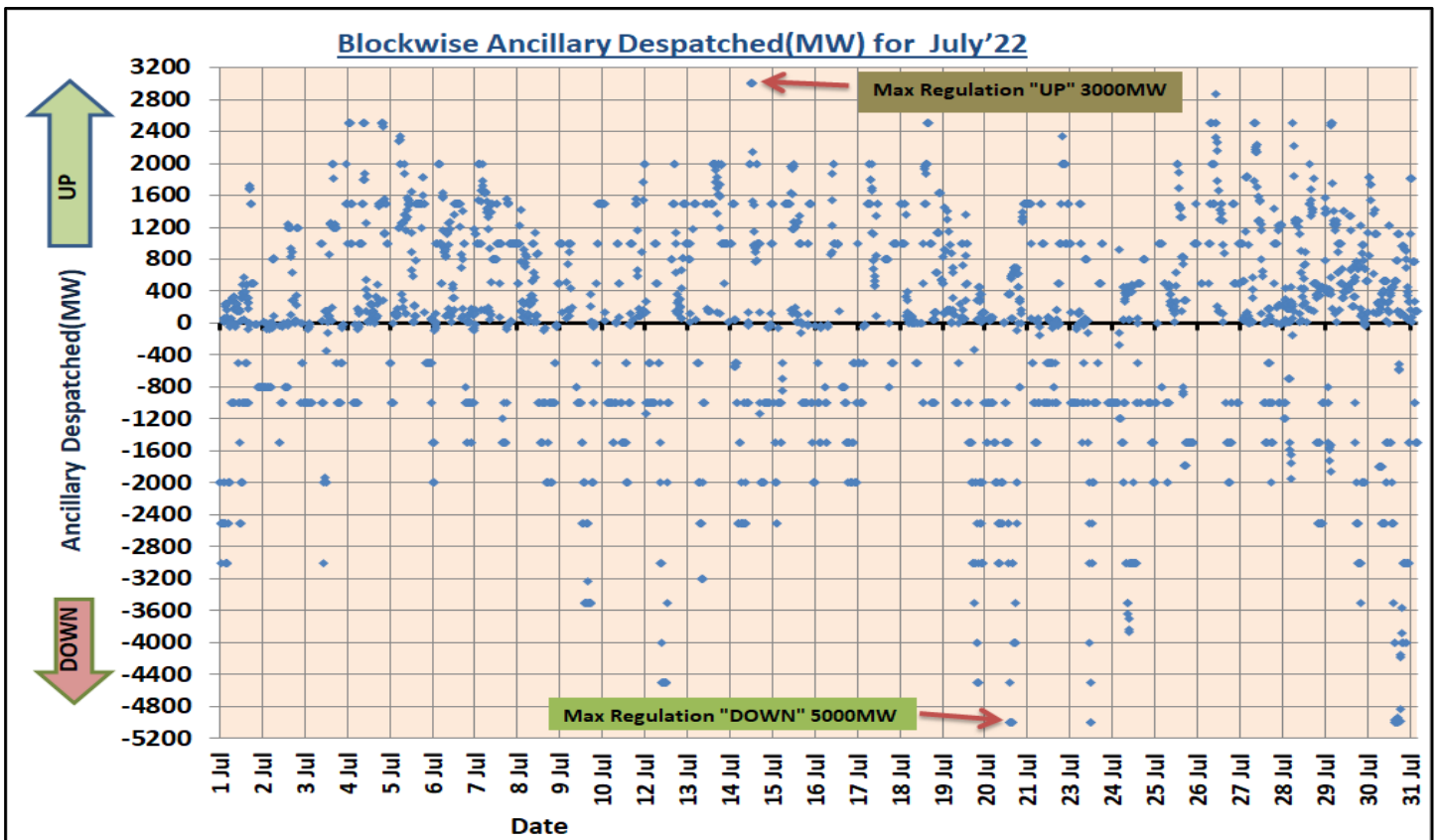
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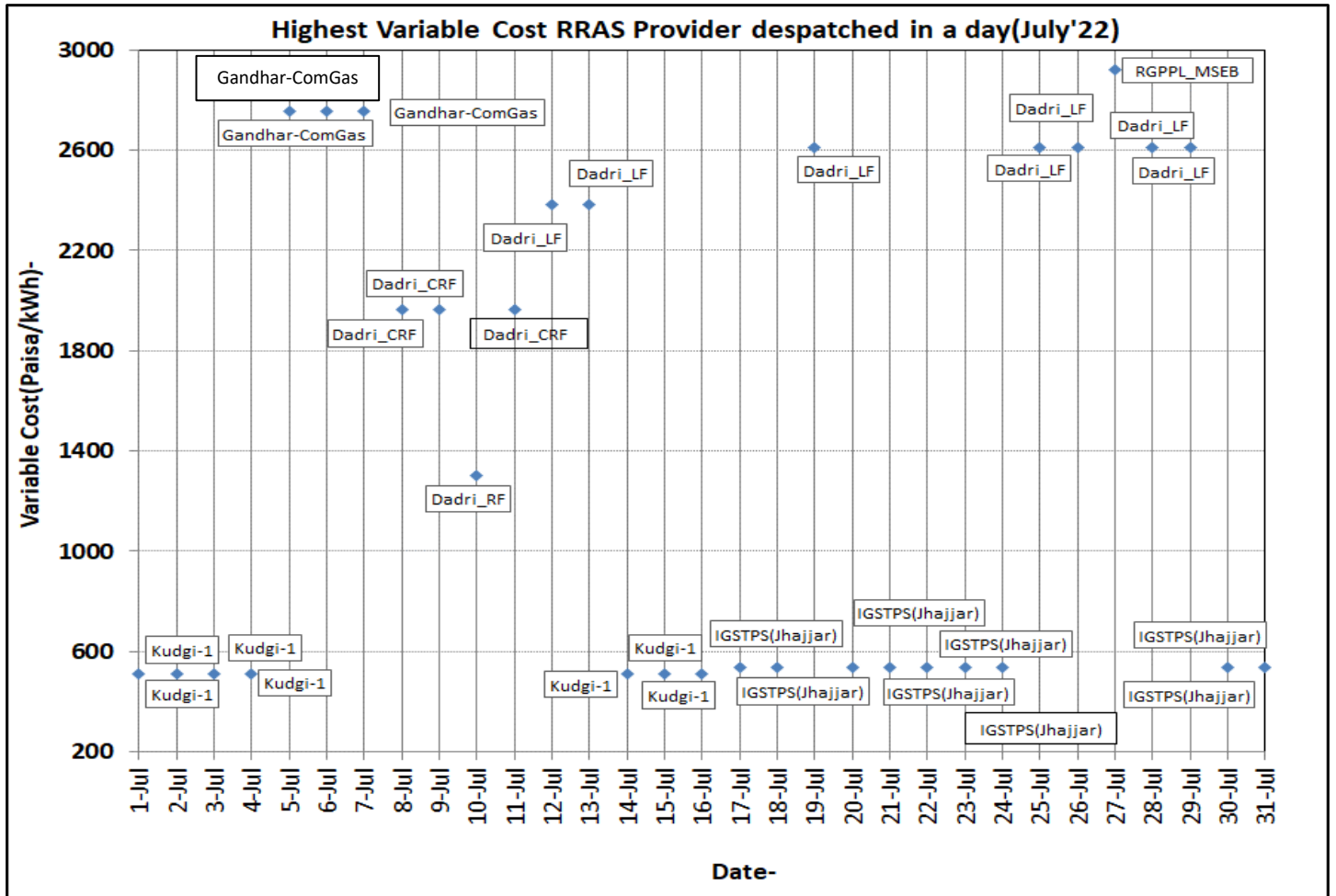
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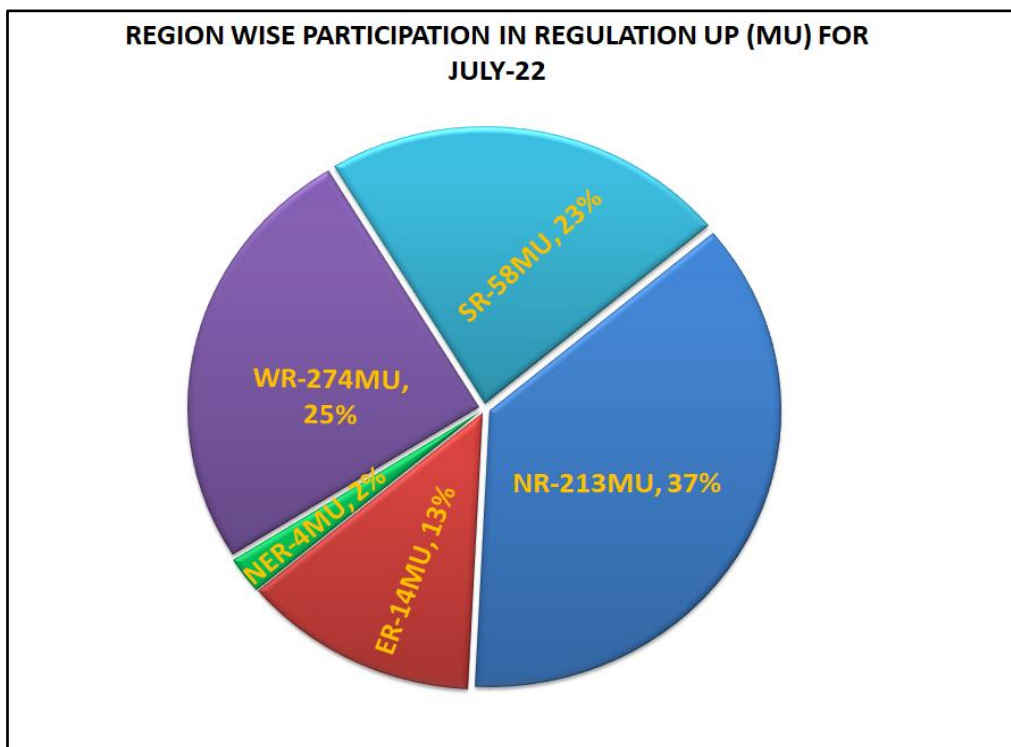


Section-3: अनुषंगी सेवा प्रेषण (MW) /Ancillary Despatched (MW)

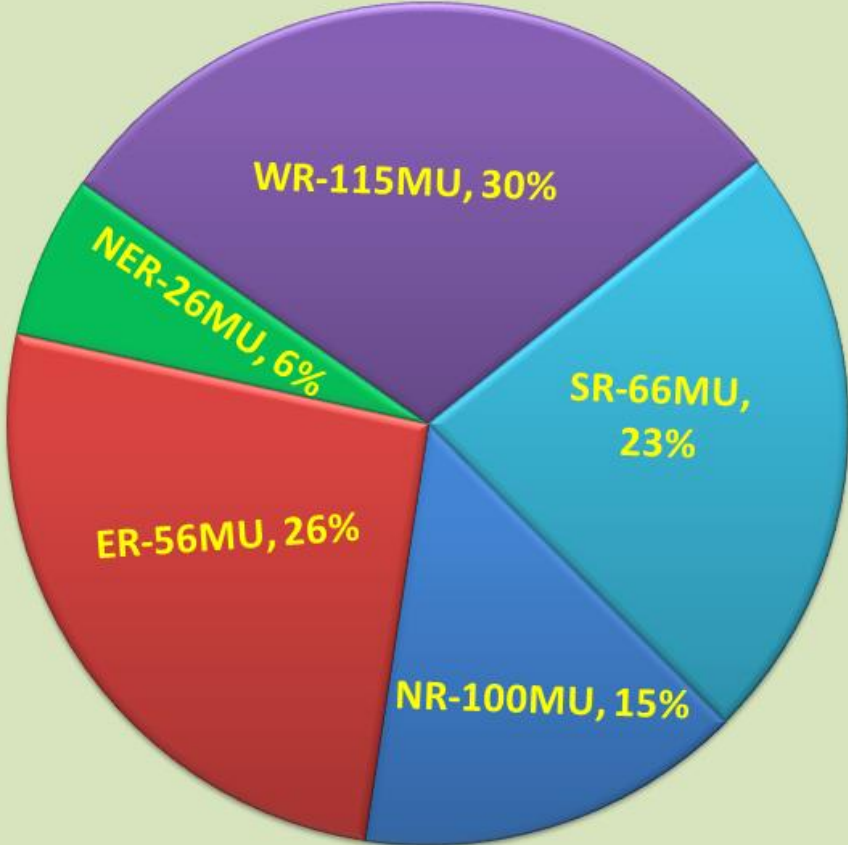




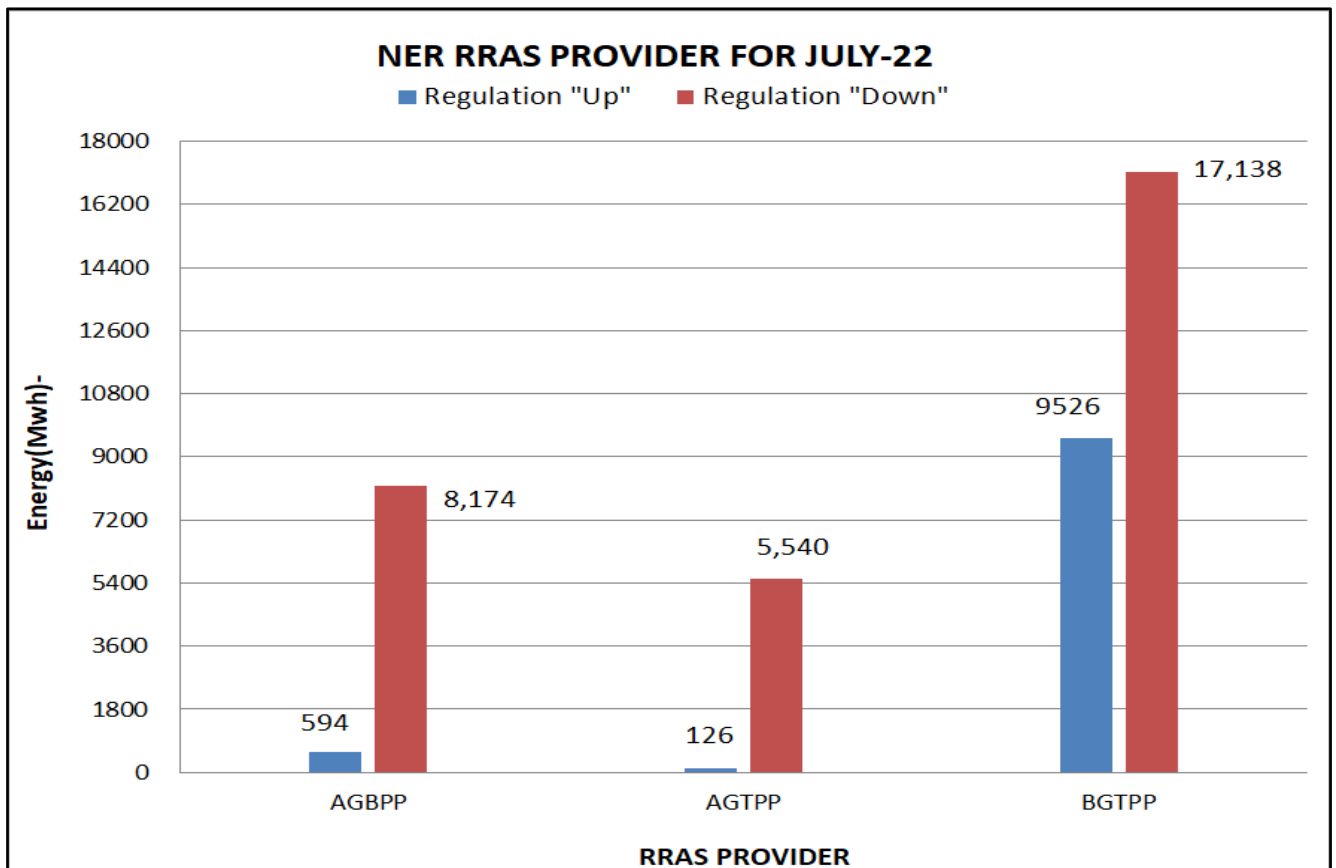
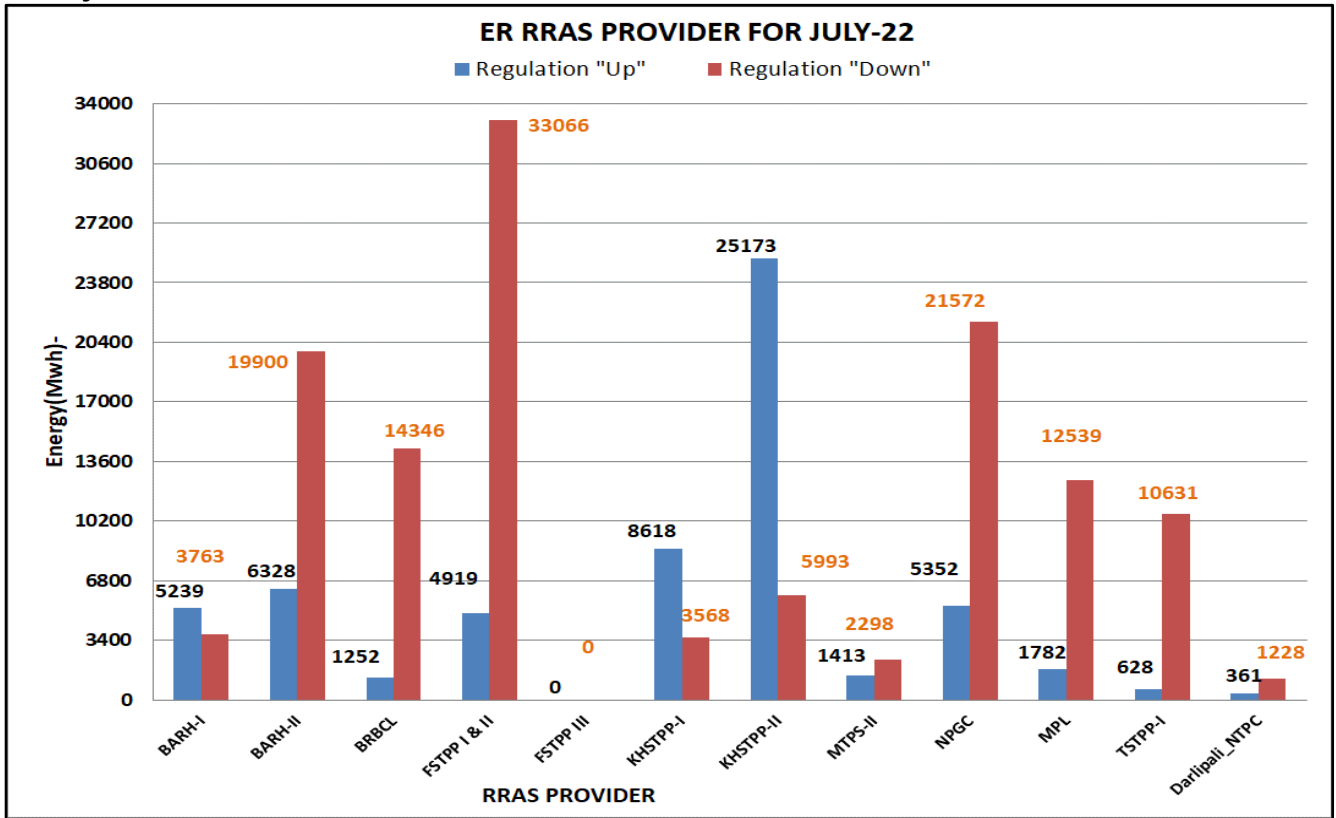
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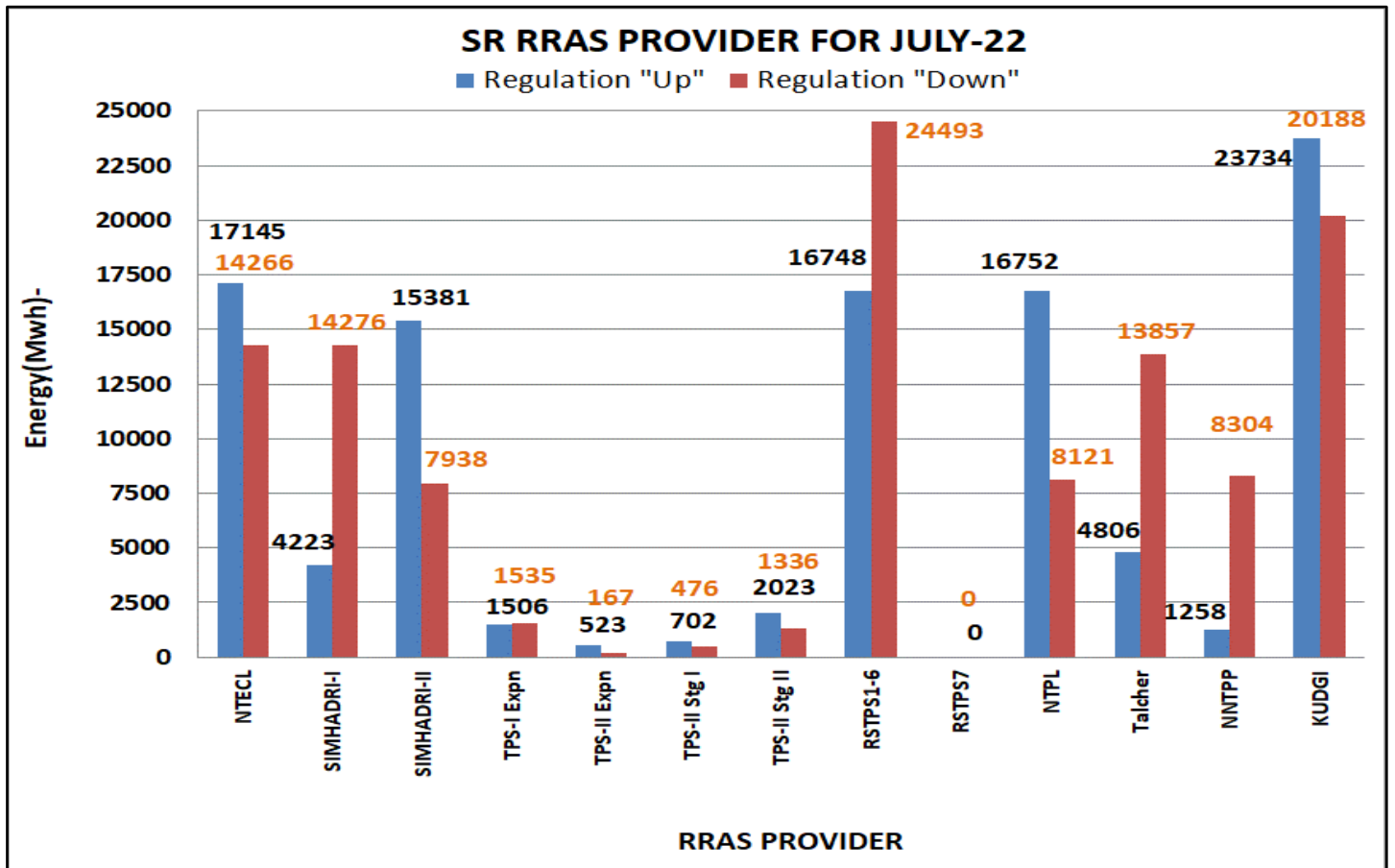
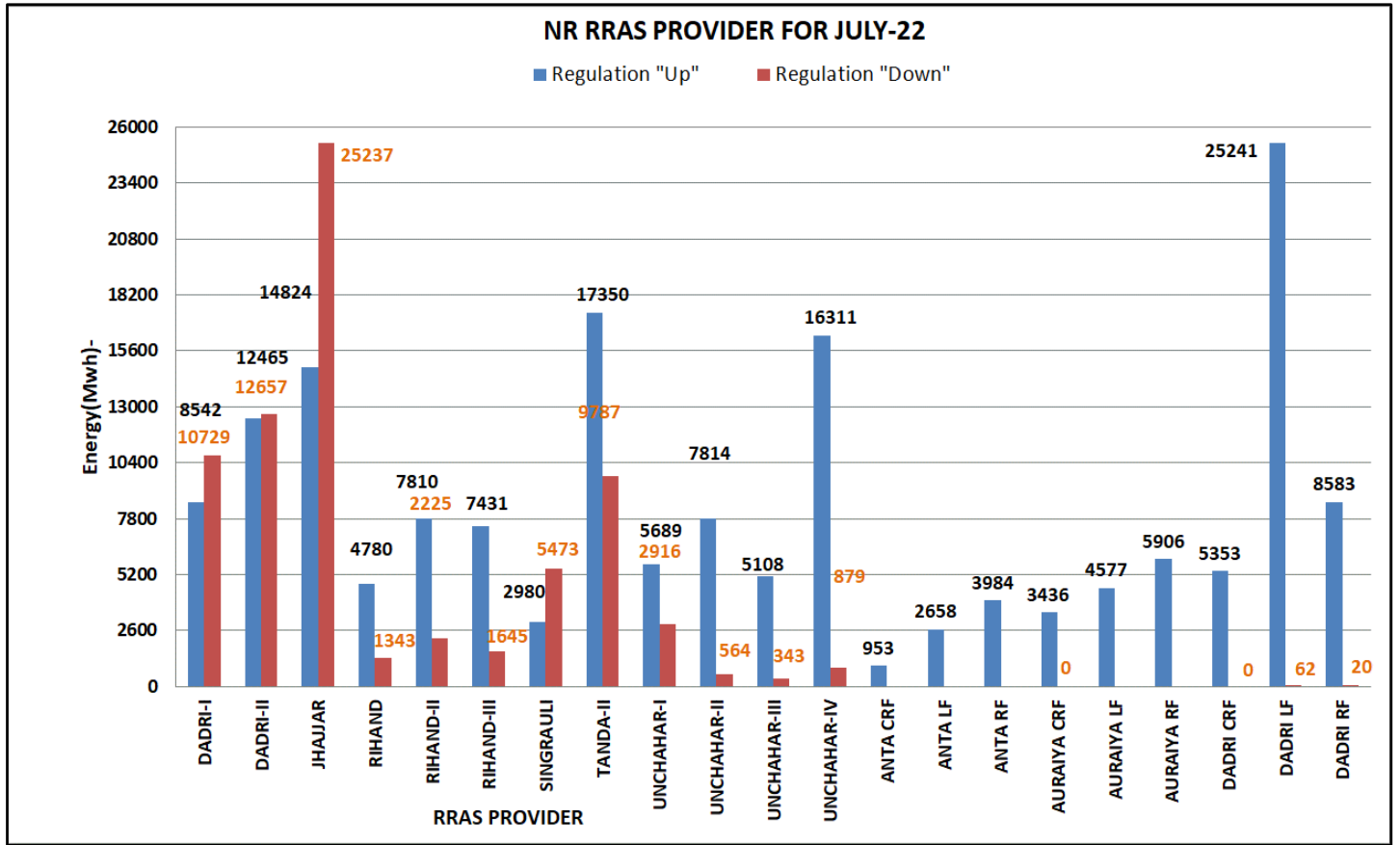


**REGION WISE PARTICIPATION IN REGULATION DOWN (MU) FOR
JULY-22**



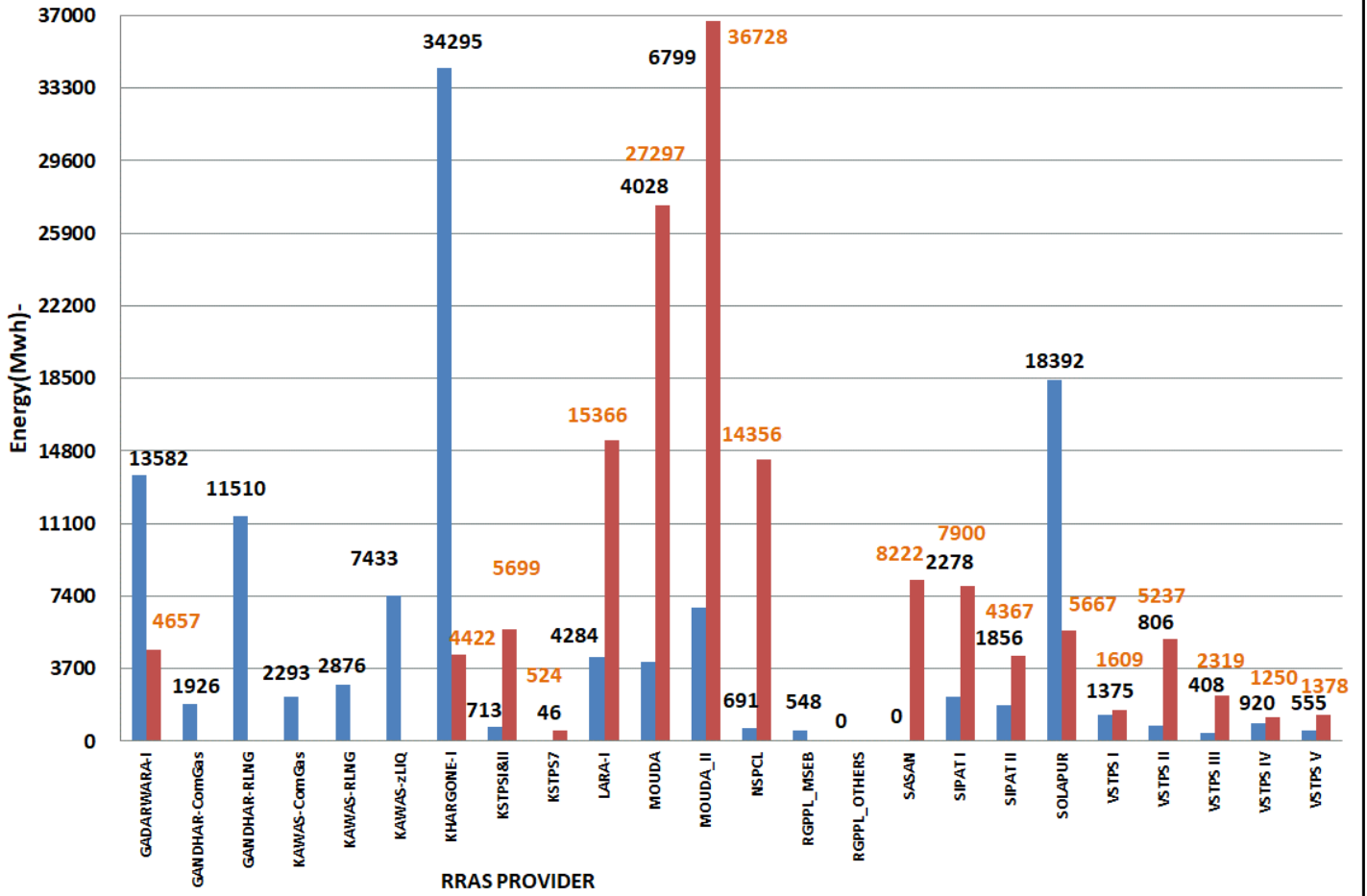
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WR RRAS PROVIDER JULY-22

■ Regulation "Up" ■ Regulation "Down"



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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-I	5239	12698513	15772089	2619330	31089932
2	ER	BARH-II	6328	11643368	18330680	3163959	33138007
3	ER	BRBCL	1252	2913236	2841398	626234	6380868
4	ER	FSTPP I & II	4919	4053339	19383863	2459551	25896753
5	ER	FSTPP III	0	0	0	0	0
6	ER	KHSTPP-I	8618	9031440	32883736	4308894	46224070
7	ER	KHSTPP-II	25173	27413749	91106768	12586662	131107179
8	ER	MTPS-II	1413	3861796	4074483	706254	8642533
9	ER	NPGC	5352	11635259	15252136	2676005	29563400
10	ER	MPL	1782	2474813	4681639	890863	8047315
11	ER	TSTPP-I	628	602588	1048811	314176	1965575
12	ER	Darlipali_NTPC	361	600169	464161	180557	1244887
	ER	Total	61065	86928270	205839764	30532485	323300519
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	NER	AGBPP	594	1068779	2531310	296762	3896852
14	NER	AGTPP	126	200557	555496	62909	818962
15	NER	BGTPP	9526	22921232	33006225	4762757	60690214
	NER	Total	10246	24190568	36093031	5122428	65406028
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)
16	NR	DADRI-I TPS	8542	8311314	41358353	4270977	53940644
17	NR	DADRI-II TPS	12465	17363567	59478604	6232441	83074612
18	NR	IGSTPS-JHAJJAR	14824	23940834	69058174	7412023	100411031
19	NR	RIHAND STPS	4780	4034002	6873328	2389815	13297145
20	NR	RIHAND-II STPS	7810	5998321	12716620	3905155	22620096

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)
21	NR	RIHAND-III STPS	7431	10722664	12446739	3715407	26884810
22	NR	SINGRAULI STPS	2980	1951687	4366437	1489837	7807961
23	NR	TANDA-II STPS	17350	25487472	68664651	8675109	102827232
24	NR	UNCHAHAAR-I TPS	5689	6150256	25006069	2844708	34001033
25	NR	UNCHAHAAR-II TPS	7814	8563677	34342288	3906789	46812754
26	NR	UNCHAHAAR-III TPS	5108	6879899	22400993	2553787	31834679
27	NR	UNCHAHAAR-IV TPS	16311	26994476	66821594	8155430	101971500
28	NR	ANTA CRF	953	675367	20995430	476281	22147078
29	NR	ANTA LF	2658	1884729	56304380	1329147	59518256
30	NR	ANTA RF	3984	2824912	55352037	1992181	60169130
31	NR	AURAIYA CRF	3436	2181860	73726252	1718000	77626112
32	NR	AURAIYA LF	4577	2906107	116611877	2288273	121806257
33	NR	AURAIYA RF	5906	3750335	82666567	2953019	89369921
34	NR	DADRI CRF	5353	3088886	104896783	2676678	110662347
35	NR	DADRI LF	25241	14563785	625965741	12620266	653149792
36	NR	DADRI RF	8583	4952153	112513806	4291295	121757254
	NR	Total	171795	183226303	1672566723	85896618	1941689644
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)
37	SR	Vallur NTECL	17145	30433032	64472838	8572685	103478556
38	SR	Simhadri Stage I	4223	3977646	16775728	2111278	22864652
39	SR	Simhadri Stage II	15381	21745283	57747259	7690564	87183107
40	SR	TPS-I Expansion	1506	1453201	3679151	752954	5885307
41	SR	TPS-II Expansion	523	1207053	1350379	261380	2818813
42	SR	TPS-II Stage I	702	498648	1921439	351161	2771248
43	SR	TPS-II Stage II	2023	1489233	5537182	1011708	8038123
44	SR	RSTPS1-6	16748	12192437	61538529	8373926	82104893
45	SR	RSTPS7	0	0	0	0	0
46	SR	NTPL	16752	26016170	67544489	8376101	101936761

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)
47	SR	Talcher	4806	3431355	7745893	2402910	13580159
48	SR	NNTPP	1258	2268634	2765450	628779	5662864
49	SR	KUDGI	23734	39587633	122389587	11866796	173844017
	SR	Total	104801	144300325	413467924	52400242	610168500
50	WR	GADARWARA-I	13582	28212790	57096770	6791063	92100623
51	WR	GANDHAR-ComGas	1926	2047233	75718155	963041	78728430
52	WR	GANDHAR-RLNG	11510	12093490	200999946	5754790	218848226
53	WR	KAWAS-ComGas	2293	2012394	79154311	1146533	82313237
54	WR	KAWAS-RLNG	2876	2540930	51713889	1438097	55692914
55	WR	KAWAS-zLIQ	7433	6555990	178778328	3716264	189050582
56	WR	KHARGONE-I	34295	62166274	174650712	17147425	253964411
57	WR	KSTPSI&II	713	529149	1017835	356426	1903407
58	WR	KSTPS7	46	62606	60741	23201	146548
59	WR	LARA-I	4284	7169455	10780782	2141926	20092163
60	WR	MOUDA	4028	7563839	17745803	2013802	27323443
61	WR	MOUDA_II	6799	10096303	29770449	3399658	43266410
62	WR	NSPCL	691	1023323	2106497	345484	3475304
63	WR	RGPPL_MSEB	548	487582	16008031	273923	16769535
64	WR	RGPPL_OTHERS	0	0	0	0	0
65	WR	SASAN	0	0	0	0	0
66	WR	SIPAT I	2278	2993042	3802701	1138954	7934696
67	WR	SIPAT II	1856	2124292	3689016	927887	6741194
68	WR	SOLAPUR	18392	31643340	93087911	9195973	133927225
69	WR	VSTPS I	1375	1231908	2277927	687296	4197130
70	WR	VSTPS II	806	580942	1185078	402999	2169019
71	WR	VSTPS III	408	426921	664274	204152	1295347
72	WR	VSTPS IV	920	1440095	1416205	460065	3316366
73	WR	VSTPS V	555	927907	874178	277534	2079619
	WR	Total	117614	183929805	1002599539	58806493	1245335829
ALL INDIA		TOTAL	465521	622575271	3330566981	232758266	4185900520

Section 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 from 30/05/2022 to 26/06/2022

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-I	3763	11542535	8656901
2	ER	BARH-II	19900	59264746	44448558
3	ER	BRBCL	14346	32558709	24419032
4	ER	FSTPP I & II	33066	134685967	101014476
5	ER	FSTPP-III	0	0	0
6	ER	KHSTPP-I	3568	13572942	10179707
7	ER	KHSTPP-II	5993	21611219	16208415
8	ER	MPL	12539	33214736	24911052
9	ER	MTPS-II	2298	6588028	4941022
10	ER	NPGC	21572	57619419	43214564
11	ER	TSTPP-I	10631	19306492	14479869
12	ER	Darlipali_NTPC	1228	1532394	1149295
	ER	Total	128904	391497187	293622891
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)
13	NER	AGBPP	8174	35226517	26419888
14	NER	AGTPP	5540	24286199	18214650
15	NER	BGTPP	17138	59359781	44519835
	NER	Total	30852	118872497	89154373
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)
16	NR	AURAIYA CRF	0	0	0
17	NR	DADRI CRF	0	0	0
18	NR	DADRI LF	62	1482664	1111998
19	NR	DADRI RF	20	260613	195460
20	NR	DADRI TPS	10729	51702083	38776565
21	NR	DADRI-II TPS	12657	58582107	43936583
22	NR	IGSTPS-JHAJJAR	25237	124565533	93424148
23	NR	RIHAND STPS	1343	1947858	1460893
24	NR	RIHAND-II STPS	2225	3868570	2901429

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)
25	NR	RIHAND-III STPS	1645	2782733	2087051
26	NR	SINGRAULI STPS	5473	8020545	6015409
27	NR	TANDA-II STPS	9787	41313263	30984948
28	NR	UNCHAHAR-I TPS	2916	12598461	9448846
29	NR	UNCHAHAR-II TPS	564	2538328	1903747
30	NR	UNCHAHAR-III TPS	343	1523464	1142597
31	NR	UNCHAHAR-IV TPS	879	3641585	2731189
	NR	Total	73880	314827807	236120863
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)
32	SR	Vallur	14266	55968259	41976195
33	SR	NNTPP	8304	18410591	13807944
34	SR	NTPL	8121	32826367	24619776
35	SR	RSTPS1-6	24493	112999276	84749457
36	SR	RSTPS7	0	0	0
37	SR	SIMHADRI-I	14276	58310406	43732804
38	SR	SIMHADRI-II	7938	32359371	24269530
39	SR	TPS-I Expansion	1535	3750012	2812510
40	SR	TPS-II Expansion	167	431527	323646
41	SR	TPS-II Stage I	476	1303780	977835
42	SR	TPS-II Stage II	1336	3668439	2751329
43	SR	Talcher	13857	24595117	18446338
44	SR	KUDGI	20188	104342537	78256903
	SR	Total	114957	448965682	336724267
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)
45	WR	MOUDA	27297	126045720	94534290
46	WR	MOUDA_II	36728	169345796	127009348
47	WR	GADARWARA-I	4657	19460583	14595438
48	WR	KHARGONE-I	4422	20663181	15497386
49	WR	KSTPS I&II	5699	9441523	7081142
50	WR	KSTPS7	524	685644	514233
51	WR	LARA-I	15366	40242788	30182091
52	WR	NSPCL	14356	43757212	32817910
53	WR	SASAN	8222	11187354	8390516

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)
54	WR	SIPAT I	7900	15051802	11288852
55	WR	SIPAT II	4367	8990192	6742645
56	WR	SOLAPUR	5667	28818132	21613599
57	WR	VSTPS I	1609	2604307	1953230
58	WR	VSTPS II	5237	7743460	5807595
59	WR	VSTPS III	2319	3919241	2939430
60	WR	VSTPS IV	1250	1958360	1468770
61	WR	VSTPS V	1378	2226777	1670083
	WR	Total	146998	512142072	384106558
ALL INDIA		Total	495591	1786305245	1339728952

Section 8: एजीसी प्रदाता को डीएसएम पूल से भुगतान/Payment to the AGC Provider from the DSM Pool from 27/06/22 to 31/07/22-

Sr. No.	AGC Provider Name	Region	Up regulation due to AGC (MWh)	Down regulation due to AGC (MWh)	Net Energy (MWh)	Variable charges (Rs)	Markup Charges as per CERC order (Rs)	Total Charges (Rs)
1	CHAMERA HEP	NR	19	110	-91	-104085	64847	-39239
2	CHAMERA-II HEP	NR	0	0	0	0	0	0
3	CHAMERA-III HEP	NR	226	921	-694	-1367359	573461	-793899
4	DADRI-II TPS	NR	3815	1299	2516	11996848	2557346	14554193
5	KOTESHWAR	NR	1721	341	1380	3193980	1030811	4224790
6	NATHPA JHAKRI HEP	NR	0	0	0	0	0	0
7	RIHAND STPS	NR	263	18452	-18190	-26148434	9357579	-16790853
8	RIHAND-II STPS	NR	281	27933	-27653	-45243529	14106862	-31136667
9	RIHAND-III STPS	NR	39	23099	-23059	-37811765	11569058	-26242706
10	DULHASTI HEP	NR	16	0	16	36149	7911	44059
11	RAMPUR HEP	NR	0	0	0	0	0	0
12	TEHRI HEP	NR	1006	1969	-963	-1997877	1487389	-510488
13	DHAULIGANGA HEP	NR	0	0	0	0	0	0
14	BAIRASIUL HEP	NR	49	265	-215	-241076	156892	-84184
15	UNCHAHAAR-III TPS	NR	1928	3069	-1141	-4865948	2498588	-2367360
16	UNCHAHAAR-IV TPS	NR	4567	4643	-76	-126832	4604506	4477674
17	SINGRAULI STPS	NR	401	22831	-22430	-32876860	11616050	-21260811
18	IGSTPS-JHAJJAR	NR	10536	10890	-354	1131837	10713094	11844933
19	UNCHAHAAR-II TPS	NR	5784	6959	-1175	-5238520	6371388	1132867
20	TANDA-II STPS	NR	9811	13416	-3606	-5247396	11613652	6366257
21	Simhadri St-II	SR	2955	9406	-6451	-25490588	6180680	-19309909
22	RSTPS1-6	SR	6599	14628	-8029	-27702363	10613473	-17088889
23	RSTPS7	SR	0	0	0	0	0	0
24	NTECL	SR	4791	15881	-11091	-42381268	10335970	-32045298
25	NTPL	SR	0	0	0	0	0	0
26	Simhadri St-I	SR	4403	10772	-6370	-25990790	7587489	-18403301
27	KUDGI	SR	26083	14446	11637	60346275	20264242	80610516
28	NLC TPS2	SR	51	67	-16	-44700	58919	14219
29	NLC TPS1 Exp	SR	1	82	-81	-198894	41313	-157582
30	Mouda-II	WR	14528	9249	5279	25220561	11888140	37108702
31	CGPL	WR	0	0	0	0	0	0
32	SIPAT II	WR	768	20533	-19764	-40224345	10650573	-29573771
33	VSTPS II	WR	103	6661	-6557	-9674953	3381915	-6293037
34	KSTPS I&II	WR	436	3166	-2731	-4137318	1801221	-2336096
35	KSTPS7	WR	1	854	-853	-1108890	427687	-681203
36	SIPAT I	WR	927	32065	-31138	-55475761	16496056	-38979705

Sr. No.	AGC Provider Name	Region	Up regulation due to AGC (MWh)	Down regulation due to AGC (MWh)	Net Energy (MWh)	Variable charges (Rs)	Markup Charges as per CERC order (Rs)	Total Charges (Rs)
37	VSTPS IV	WR	155	10196	-10042	-15873091	5175487	-10697605
38	VSTPS III	WR	777	12734	-11956	-20227591	6755406	-13472183
39	VSTPS V	WR	618	8422	-7804	-12815109	4520208	-8294901
40	SOLAPUR	WR	10888	4260	6627	33664430	7574029	41238459
41	NSPCL	WR	816	4942	-4126	-11956864	2878741	-9078124
42	GANDHAR-APM	WR	0	0	0	0	0	0
43	GANDHAR-NAPM	WR	0	0	0	0	0	0
44	GANDHAR-ComGas	WR	0	0	0	0	0	0
45	GANDHAR-RLNG	WR	0	0	0	0	0	0
46	Mouda	WR	8639	5340	3299	15478064	6989894	22467958
47	Gadarwara-I	WR	19445	15056	4389	18080167	17250796	35330962
48	LARA-I	WR	2008	34162	-32153	-76656285	18085153	-58571133
49	KHARGONE-I	WR	21563	3872	17691	84251902	12717287	96969189
50	Barh	ER	7250	18541	-11291	-32898674	12895969	-20002705
51	KHSTPP-II	ER	7367	24814	-17447	-63068812	16090047	-46978765
52	MPL	ER	3412	44802	-41390	-109973611	24106631	-85866980
53	MTPS-II	ER	319	2131	-1812	-5197323	1224739	-3972584
54	NPGC	ER	7168	30628	-23460	-60440398	18898168	-41542230
55	Teesta-V	ER	220	179	41	47624	199663	247287
56	FSTPP I & II	ER	14994	17346	-2352	-8422065	16170020	7747955
57	FSTPP-III	ER	0	0	0	0	0	0
58	BARH-I	ER	0	0	0	0	0	0
59	Bongaigaon	NER	644	5536	-4892	-16948871	3155068	-13793803
60	Loktak	NER	0	0	0	0	0	0
	Total	All India	208390	516969	-308579	-574730408	362744418	-211985991