

# पावर सिस्टम ऑपरेशन कॉर्पोरेशन लिमिटेड

(भारत सरकार का उद्यम)

## POWER SYSTEM OPERATION CORPORATION LIMITED

(A Govt. of India Enterprise)



केन्द्रीय कार्यालय : 61, आई एफ सी आई टावर, 7,8 एवं 9वीं मंजिल, नेहरु प्लेस, नई दिल्ली -110019  
Corporate Office : 61, IFCI Tower, 7,8 & 9th Floor, Nehru Place, New Delhi- 110019  
CIN : U40105DL2009GOI188682, Website : www.posoco.in; E-mail : posococc@posoco.in, Tel.: 011- 40234672

संदर्भ संख्या:पोसोकोएसओ/एनएलडीसी/2021/

दिनांक: 24<sup>th</sup> फरवरी, 2021

सेवा मे,

वितरण सूची के अनुसार

विषय: जनवरी 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 जनवरी 2021 माह की रिपोर्ट।

सादर धन्यवाद,

भवदीय

24.2.2021

(जी.चक्रवर्ती)

मुख्य महाप्रबंधक,  
रा. भा. प्रे. के.

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

## वितरण सूची

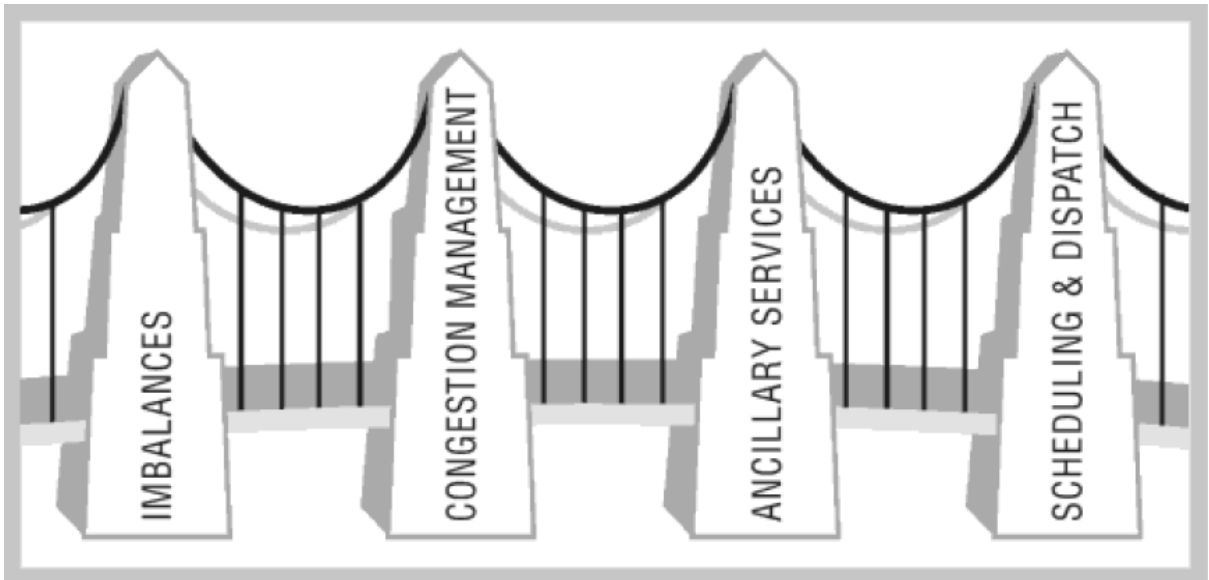
### Distribution List

- 1 सचिव, के.वि.नि.आ. तीसरा एवं चौथा तल, चंद्रलोक भवन, 36, जनपथ, नई दिल्ली-110001  
Secretary, CERC, 3<sup>rd</sup> & 4<sup>th</sup> Floor, Chanderlok Building, 36, Janpath, New Delhi-110001
- 2 मुख्य अभियंता (जी एम), के.वि.प्रा., सेवा भवन, आर. के. पुरम, नई दिल्ली-110066  
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Member Secretary, WRPC, F-3, MIDC Area, Andheri (East), Mumbai-400093
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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, शिलोंग - 793003  
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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
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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**



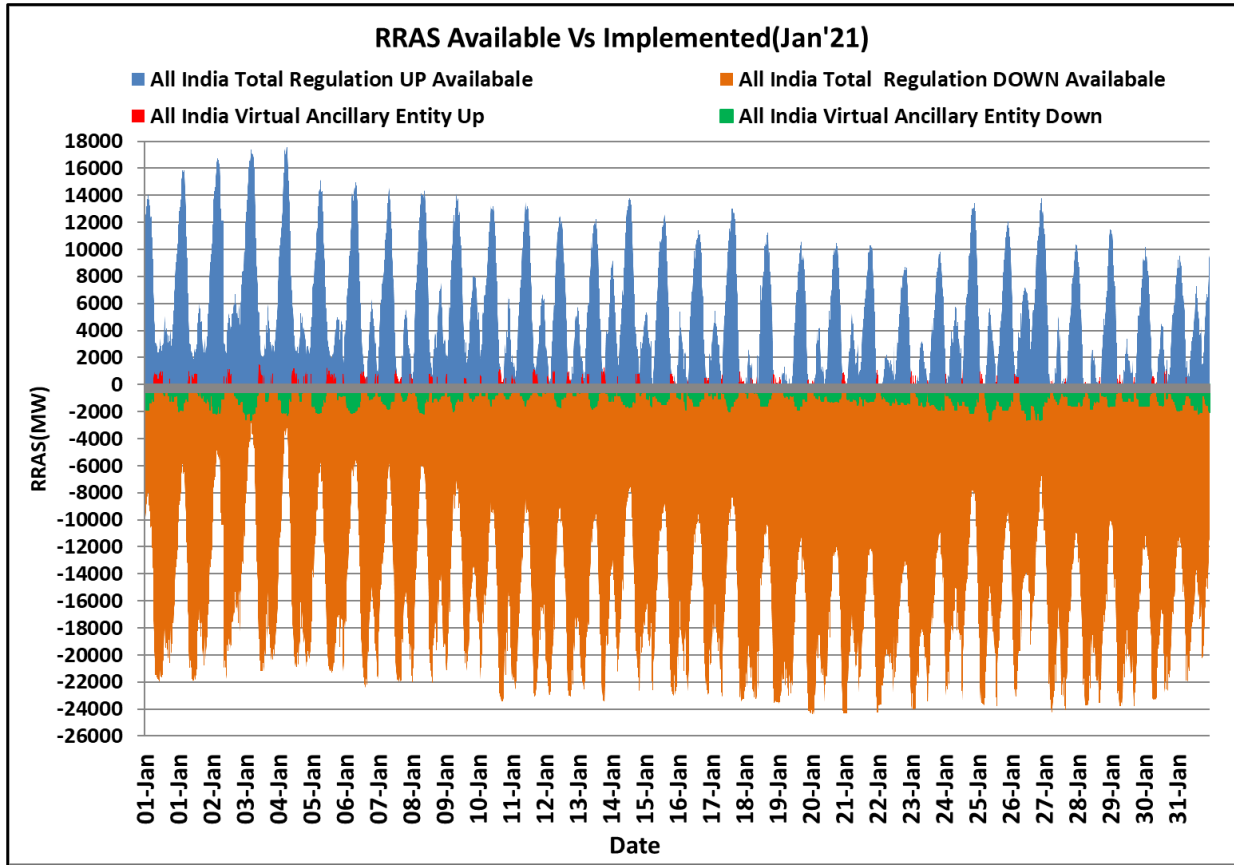
आर.आर.ए.एस प्रक्रिया की  
जनवरी-2021 माह के लिए कार्यान्वयन रिपोर्ट

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

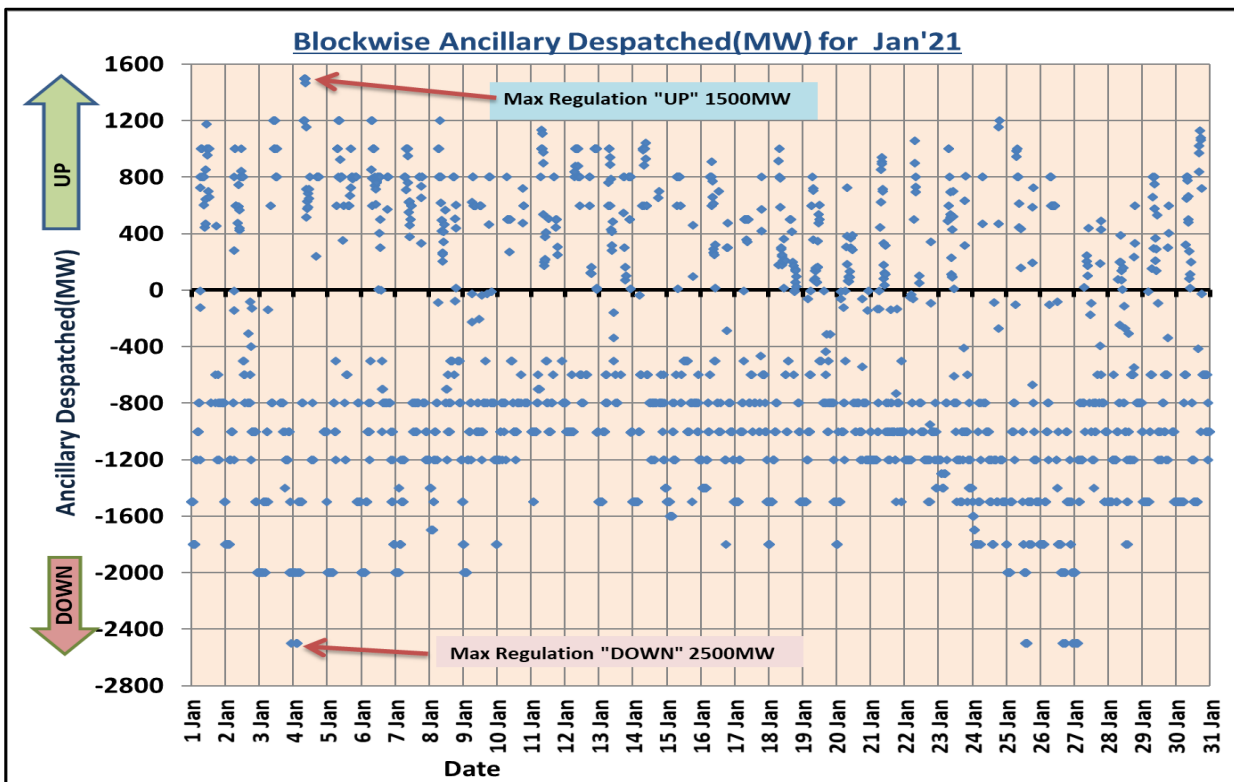
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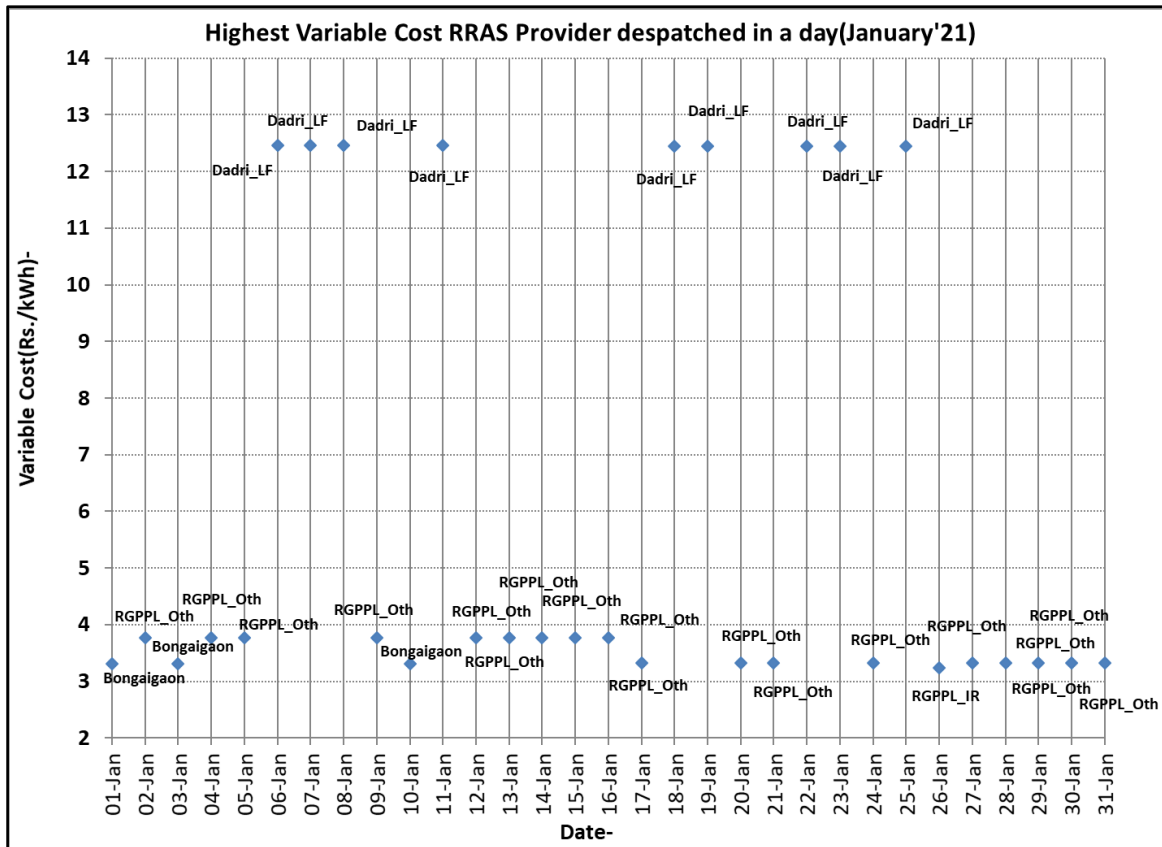
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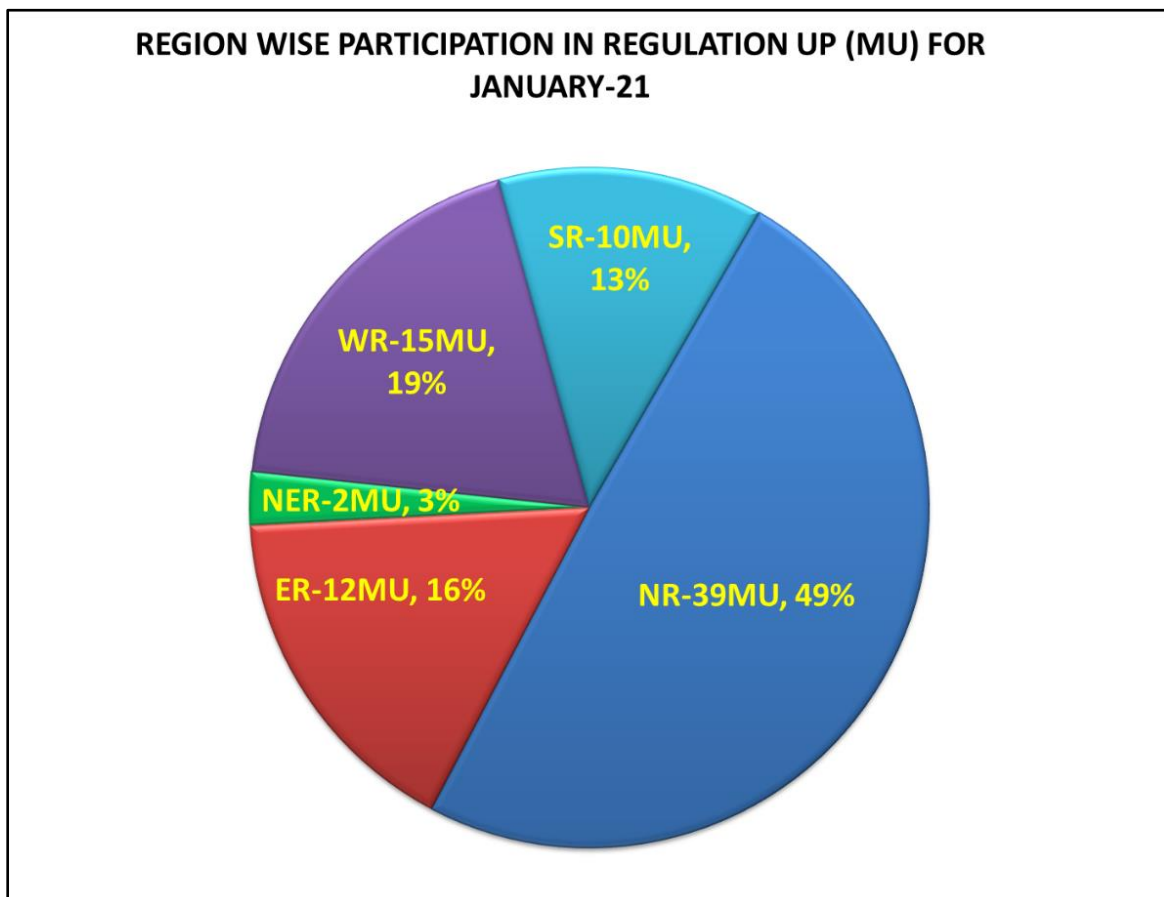


Section-2: अनुषंगी सेवा प्रेषण (MW) /Ancillary Despatched (MW)

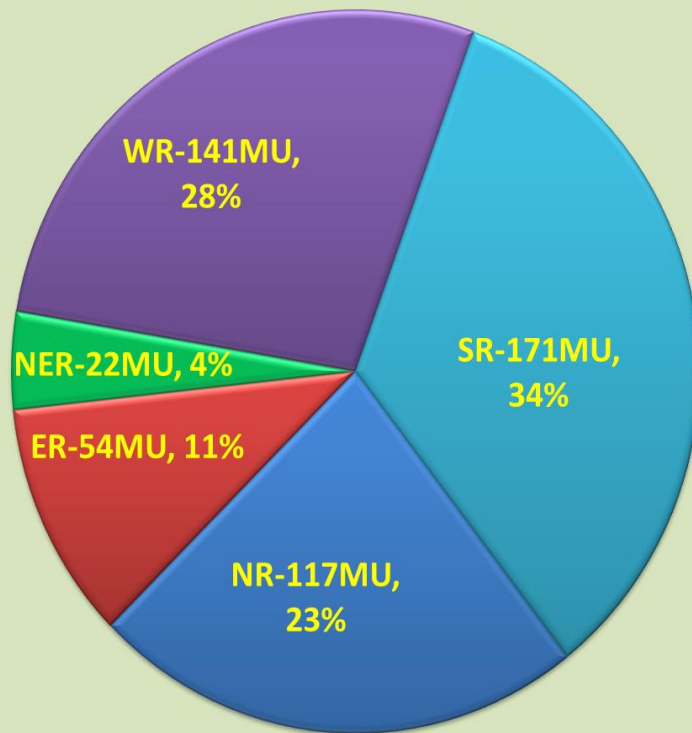




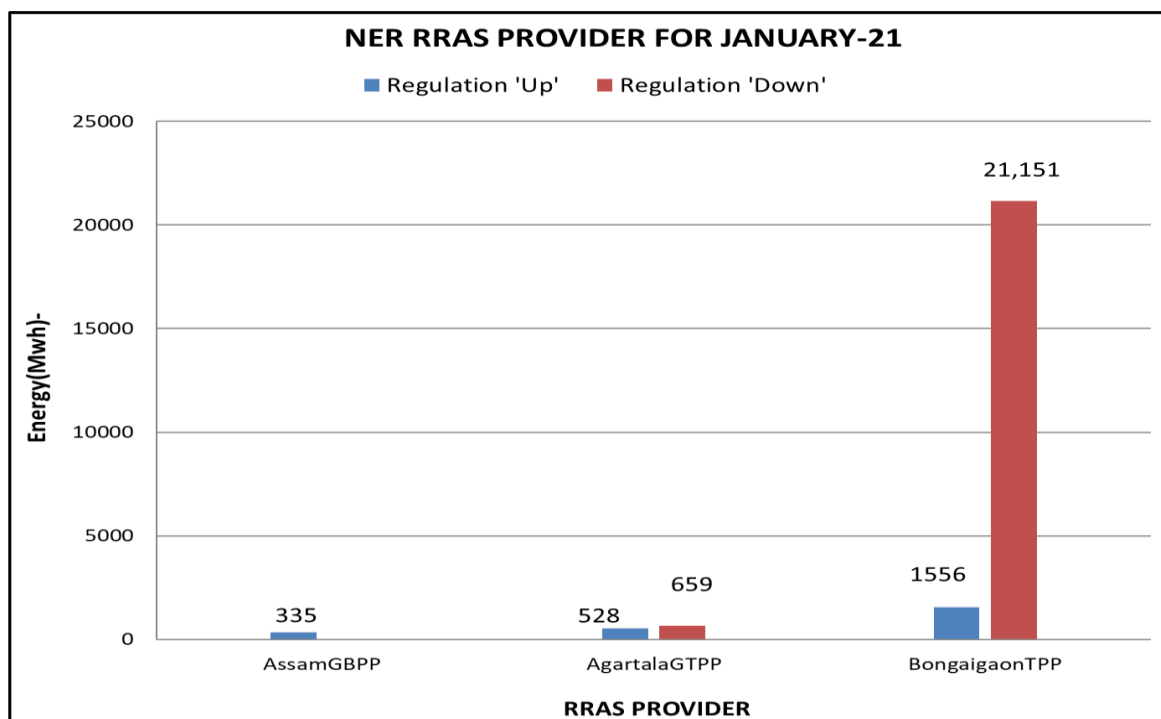
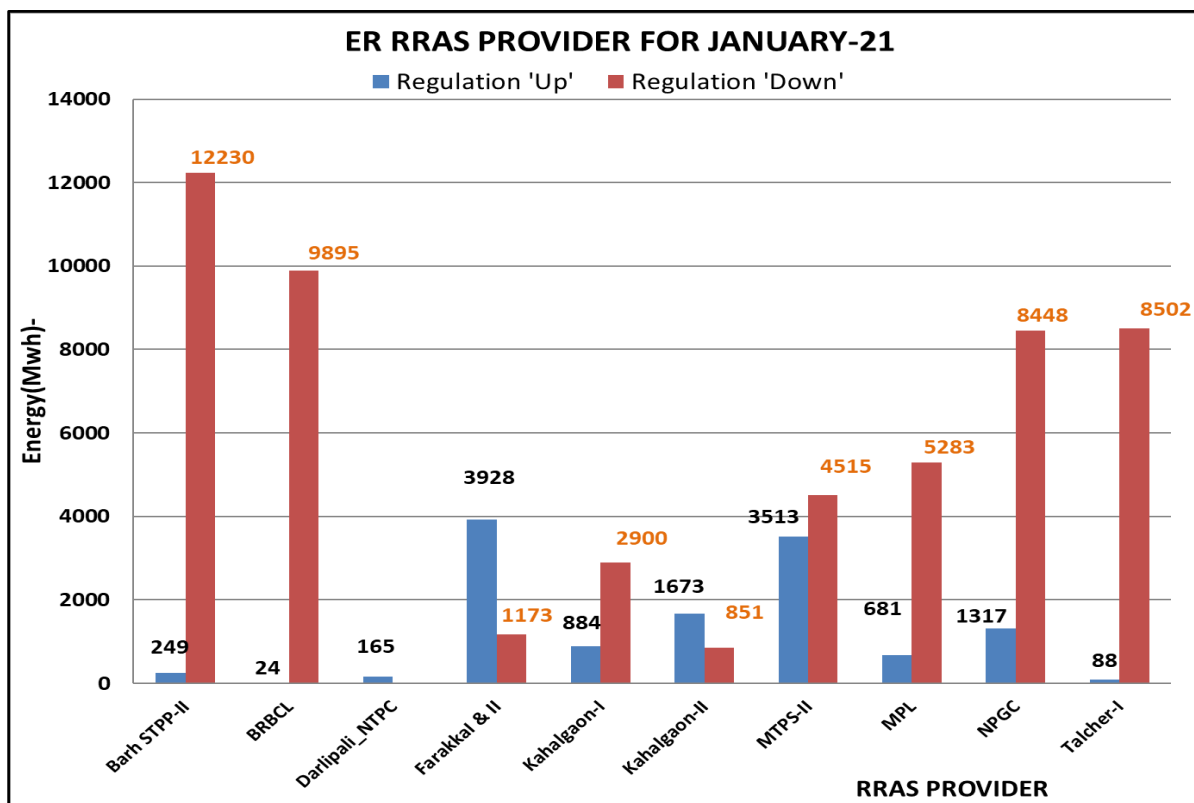
**Section-3: अनुषंगी सेवा में क्षेत्रवार भागीदारी/Region wise participation in RRAS -**



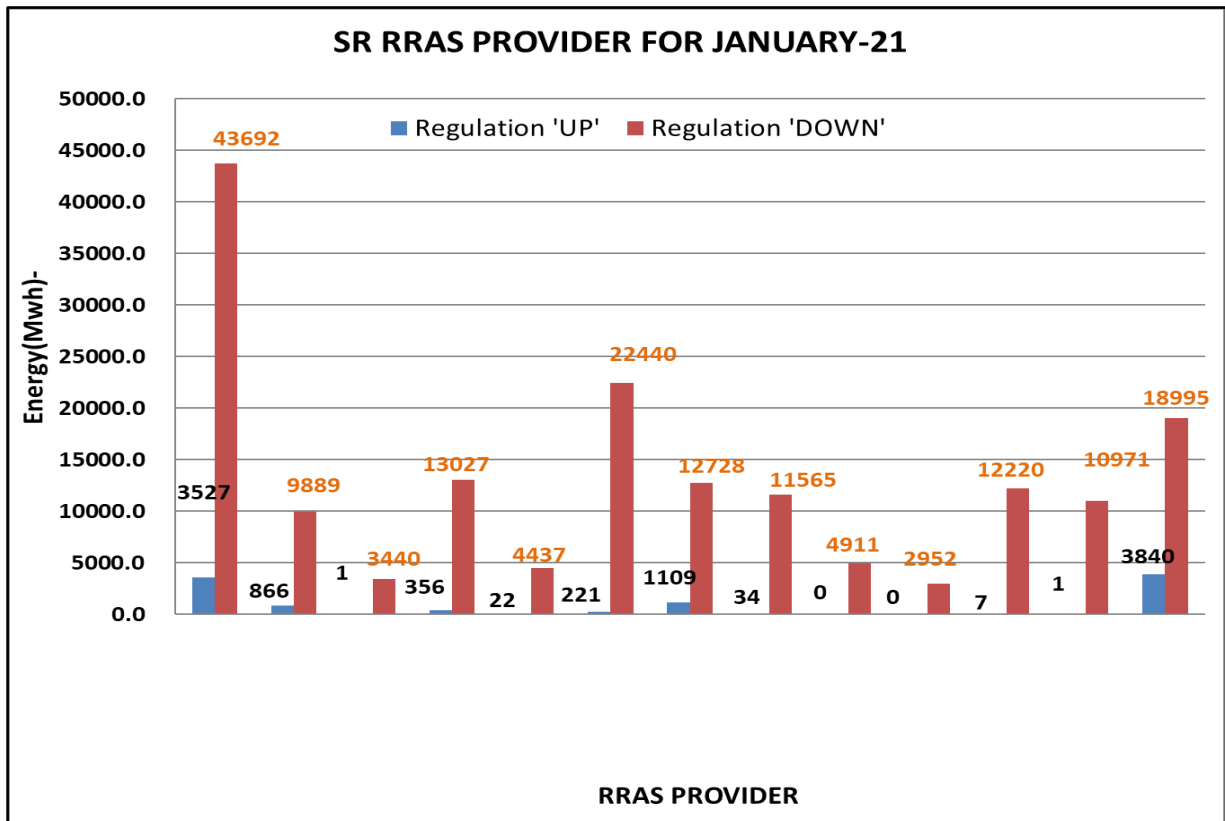
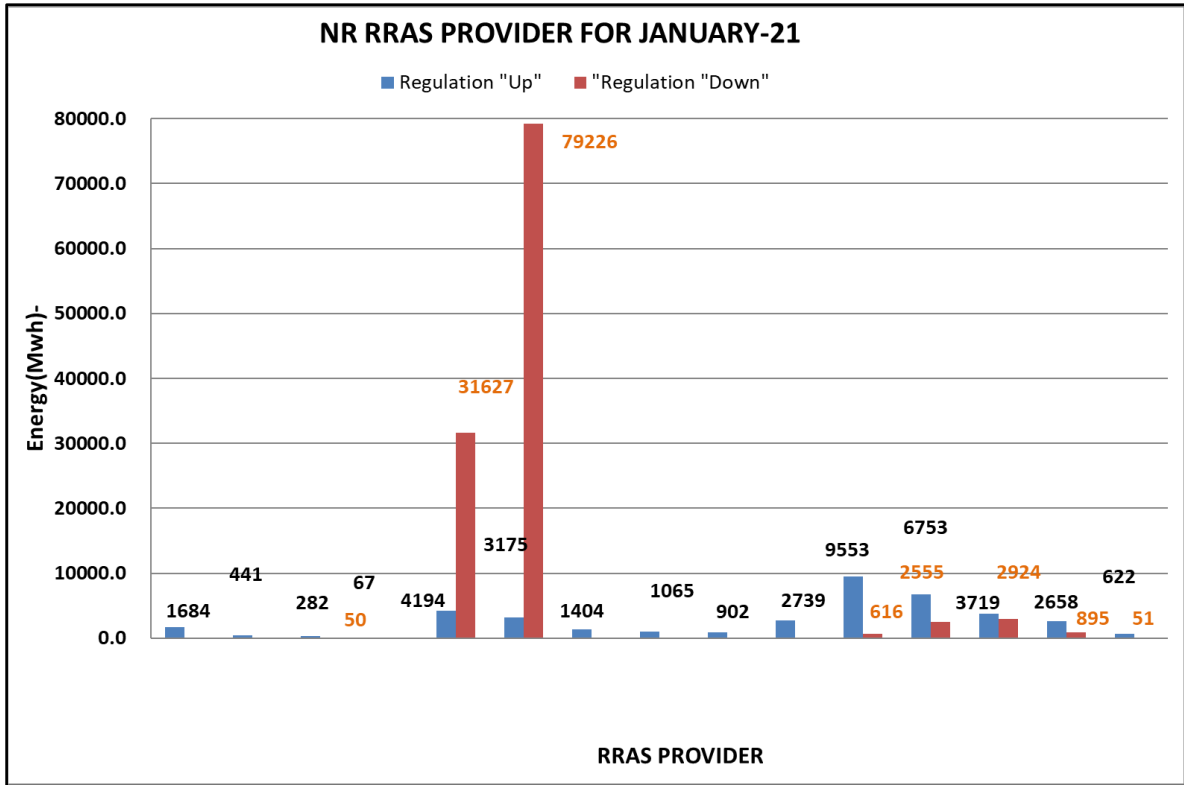
**REGION WISE PARTICIPATION IN REGULATION DOWN (MU) FOR  
JANUARY-21**



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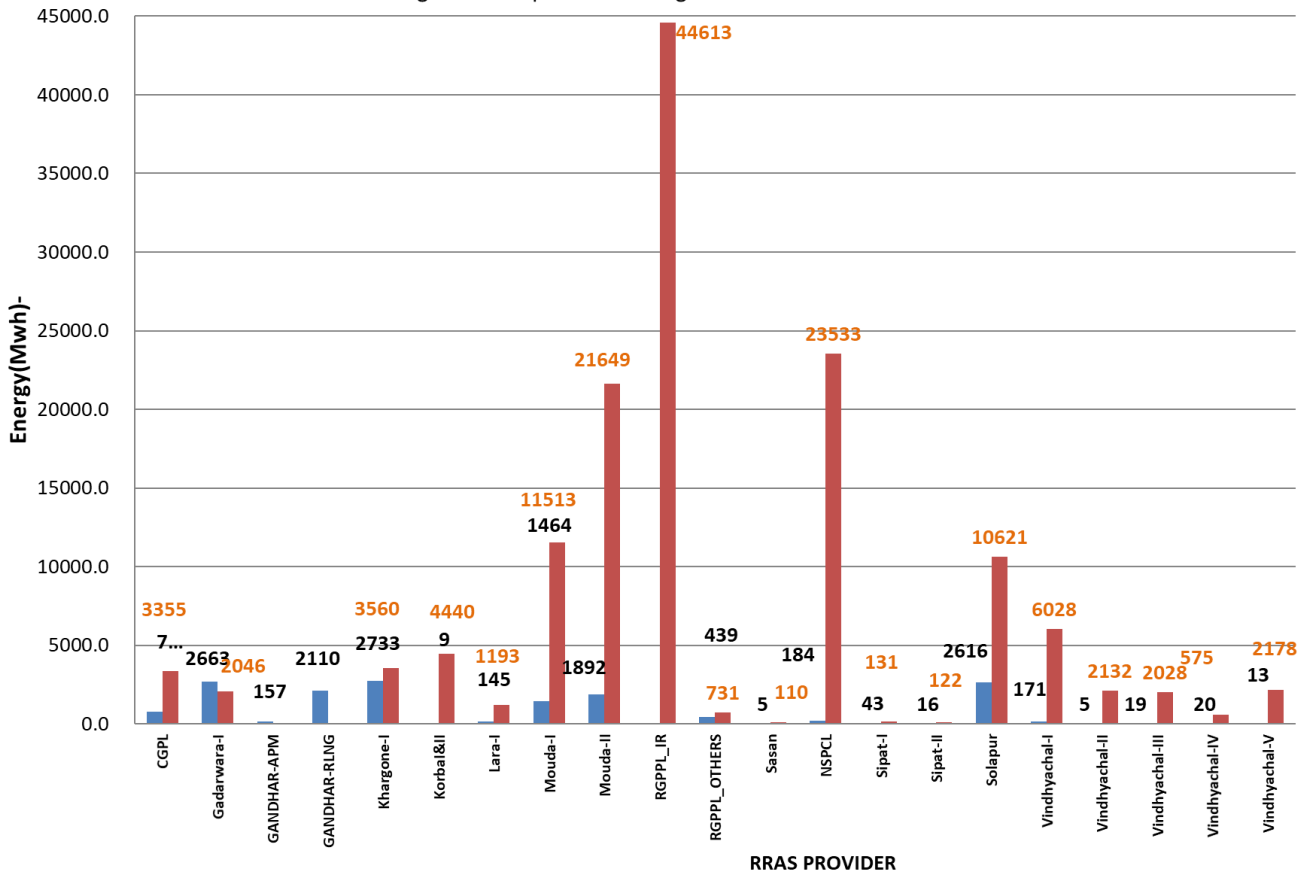






### WR RRAS PROVIDER JANUARY-21

■ 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 04/01/21 to 31/01/21-**

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 STPP-II	249	457719	663934	124380	1246033
2	ER	BRBCL	24	59331	54117	11866	125314
3	ER	Darlipali_NTPC	165	349144	176596	82540	608280
4	ER	Farakkal & II	3928	3236916	10478521	1964152	15679592
5	ER	Kahalgaon-I	884	926097	2063392	441842	3431329
6	ER	Kahalgaon-II	1673	1821852	3703935	836480	6362267
7	ER	MTPS-II	3513	9605274	9525981	1756635	20887888
8	ER	MPL	681	968362	1696461	340255	3005078
9	ER	NPGC	1317	3343571	2958825	658444	6960840
10	ER	Talcher-I	88	84141	179132	43869	307142
	<b>ER</b>	<b>Total</b>	<b>12521</b>	<b>20852407</b>	<b>31500894</b>	<b>6260463</b>	<b>58613763</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)
11	NER	AssamGBPP	335	688846	404452	167340	1260639
12	NER	AgartalaGTPP	528	912723	903074	263759	2079557
13	NER	Bongaigaon	1556	3744969	5026724	778159	9549850
	<b>NER</b>	<b>Total</b>	<b>2419</b>	<b>5346538</b>	<b>6334250</b>	<b>1209258</b>	<b>12890046</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)
14	NR	DADRI CRF	1683.825	971567	8715479	841912	10528958
15	NR	Dadri GF	441	254380	881231	220433	1356044
16	NR	Dadri LF	282	162428	3505092	140753	3808273
17	NR	Dadri RF	67	38515	406508	33375	478398
18	NR	Dadri-II	4194	6027297	12802641	2097179	20927117
19	NR	Jhajjar	3175	5114133	10238948	1587255	16940336
20	NR	Rihand-I	1404	1185002	1955184	702016	3842202
21	NR	Rihand-II	1065	749818	1477266	532540	2759624
22	NR	Rihand-III	902	1302049	1236161	451162	2989372
23	NR	Singrauli	2739	1793838	3926880	1369340	7090058
24	NR	Tanda-II	9553	15313539	24708585	4776527	44798651
25	NR	Unchahar-I	6753	7299503	19340015	3376274	30015792
26	NR	Unchahar-II	3719	3752436	10745063	1859483	16356982
27	NR	Unchahar-III	2658	3579704	7605245	1328769	12513718
28	NR	Unchahar-IV	622	970057	1659487	311115	2940659
	<b>NR</b>	<b>Total</b>	<b>39256.2625</b>	<b>48514266</b>	<b>109203785</b>	<b>19628133</b>	<b>177346184</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)
29	SR	Kudgi Super Thermal	3526.905	5882878	9741509	1763452.5	17387841
30	SR	NTPL	866	1344891	2552130	432998	4330019
31	SR	NNTPP Unit I NLC Ltd	1	1683	2169	466	4319
32	SR	Ramagundam (U1-6)	356	259340	881104	178118	1318562
33	SR	Ramagundam (U7)	22	16653	52592	10843	80088
34	SR	Simhadri Stage I	221	208337	619148	110583	938068
35	SR	Simhadri Stage II	1109	1685829	3063899	554549	5304277
36	SR	Talcher Stage II	34	24612	67838	17235	109685
37	SR	TPS-I Expansion	0	174	456	90	720
38	SR	TPS-II Expansion	0	242	279	53	574
39	SR	TPS-II Stage I	7	4990	19503	3514	28006
40	SR	TPS-II Stage II	1	375	1417	255	2048
41	SR	Vallur	3840	6816413	10917550	1920116	19654080
	SR	<b>Total</b>	<b>9985</b>	<b>16246417</b>	<b>27919594</b>	<b>4992270</b>	<b>49158287</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)
42	WR	CGPL	751	677469	1417876	375288	2470633
43	WR	Gadarwara-I	2663	5290351	6794877	1331509	13416736
44	WR	GANDHAR-APM	157	166438	293626	78575	538639
45	WR	GANDHAR-RLNG	2110	2234648	12757430	1054975	16047053
46	WR	Khargone-I	2733	4975001	7569276	1366609	13910887
47	WR	Korbal&II	9	6214	13349	4530	24093
48	WR	Lara-I	145	261468	298644	72699	632812
49	WR	Mouda-I	1464	2748843	3949215	731854	7429911
50	WR	Mouda-II	1892	2809075	5508616	945881	9263569
51	WR	RGPLL_OTHERS	439	562112	1543463	219575	2325150
52	WR	Sasan	5	906	7250	2681	10838
53	WR	NSPCL	184	313638	479582	92084	885304
54	WR	Sipat-I	43	56038	55484	21489	133011
55	WR	Sipat-II	16	20300	21805	8198	50303
56	WR	Solapur	2616	4500840	7597172	1308004	13406015
57	WR	Vindhyachal-I	171	146029	277880	85337	509244
58	WR	Vindhyachal-II	5	3783	8365	2700	14848
59	WR	Vindhyachal-III	19	20143	29565	9633	59341
60	WR	Vindhyachal-IV	20	31850	30810	10175	72835
61	WR	Vindhyachal-V	13	22104	20702	6612	49418
	WR	<b>Total</b>	<b>15457</b>	<b>24847250</b>	<b>48674987</b>	<b>7728408</b>	<b>81250640</b>
<b>ALL INDIA</b>		<b>Total</b>	<b>79637</b>	<b>115806878</b>	<b>223633510</b>	<b>39818532</b>	<b>379258920</b>

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 04/01/21 to 31/01/21-

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	12230	31971608	23978707
2	ER	BRBCL	9895	23094270	17320702
3	ER	Farakka & II	1173	3122016	2341512
4	ER	Kahalgaon-I	2900	6771599	5078700
5	ER	Kahalgaon-II	851	1884701	1413524
6	ER	MTPS-II	4515	12517812	9388358
7	ER	MPL	5283	13185127	9888845
8	ER	NPGC	8448	18956441	14217331
9	ER	Talcher-I	8502	17289790	12967344
	ER	<b>Total</b>	<b>53798</b>	<b>128793364</b>	<b>96595023</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)
10	NER	AGTPP	658.6375	1127145	845358
11	NER	Bongaigaon	21151	67835144	50876358
	NER	<b>Total</b>	<b>21809.38</b>	<b>68962289</b>	<b>51721716</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	Dadri LF	50	616824	462617
13	NR	Dadri-II	31627	95023975	71267979
14	NR	Jhajjar	79226	252945859	189709395
15	NR	Tanda-II	616	1586239	1189680
16	NR	Unchahar-I	2555	7247297	5435471
17	NR	Unchahar-II	2924	8394149	6295611
18	NR	Unchahar-III	895	2539077	1904306
19	NR	Unchahar-IV	51	136017	102013
	NR	<b>Total</b>	<b>117944</b>	<b>368489437</b>	<b>276367072</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)
20	SR	Kudgi Super Thermal	43692.31	120456947	90342710
21	SR	NTPL	9889	29039074	21779306
22	SR	NNTPP Unit I NLC Ltd	3440	8002487	6001866
23	SR	Ramagundam (U1-6)	13027	31626724	23720043
24	SR	Ramagundam (U7)	4437	10643548	7982661
25	SR	Simhadri Stage I	22440	61415441	46061581
26	SR	Simhadri Stage II	12728	34310280	25732710
27	SR	TPS-I Expansion	4911	12470226	9352671
28	SR	TPS-II Expansion	2952	7854906	5891179
29	SR	TPS-II Stage I	12220	33987839	25490880
30	SR	TPS-II Stage II	10971	30517679	22888260
31	SR	Talcher Stage II	11565	23368868	17526652
32	SR	Vallur	18995	54114677	40586009
	SR	<b>Total</b>	<b>171268.995</b>	<b>457808696</b>	<b>343356528</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)
33	WR	CGPL	3355	6318057	4738543
34	WR	Gadarwara-I	2046	5214814	3911111
35	WR	Khargone	3560	9671912	7253934
36	WR	Korbal&II	4440	6552794	4914596
37	WR	LARA-I	1193	2560001	1920001
38	WR	Mouda-I	11513	31092820	23319616
39	WR	Mouda-II	21649	63072735	47304552
40	WR	NSPCL	23533	61192737	45894553
41	WR	RGPP_L_IR	44613	141726131	106294595
42	WR	RGPP_L_Others	731	2476019	1857014
43	WR	SASAN	110	148517	111388
44	WR	SIPAT I	131	169524	127143
45	WR	SIPAT II	122	161622	121216
46	WR	Solapur	10621	30852533	23139400
47	WR	Vindhyachal-I	6028	9682876	7262157
48	WR	Vindhyachal-II	2132	3300915	2475686
49	WR	Vindhyachal-III	2028	3110878	2333158
50	WR	Vindhyachal-IV	575	870947	653211
51	WR	Vindhyachal-V	2178	3422269	2566702
		<b>Total</b>	<b>140557</b>	<b>381598101</b>	<b>286198578</b>
<b>ALL INDIA</b>		<b>Total</b>	<b>505377</b>	<b>1405651887</b>	<b>1054238917</b>

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

**/Payment to the AGC Provider from the DSM Pool from 04/01/21 to 31/01/21-**

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)
Dadri-II TPS	NR	0	0	0	0	0	0
Simhadri II	SR	0	0	0	0	0	0
Mouda-II	WR	0	0	0	0	0	0
Barh	ER	0	0	0	0	0	0
Bongaigaon	NER	0	0	0	0	0	0
<b>Total</b>	<b>All India</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>