

# 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/ 138

दिनांक: 16<sup>th</sup> सितंबर, 2016

सेवा मे,

वितरण सूची के अनुसार

विषय: अगस्त 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 संबंधित अगस्त 2016 माह की रिपोर्ट संलग्न है।

सादर धन्यवाद,

भवदीय

(जी. चक्रवर्ती)

उप महाप्रबन्धक,

रा. भा. प्रे. के.

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

## वितरण सूची

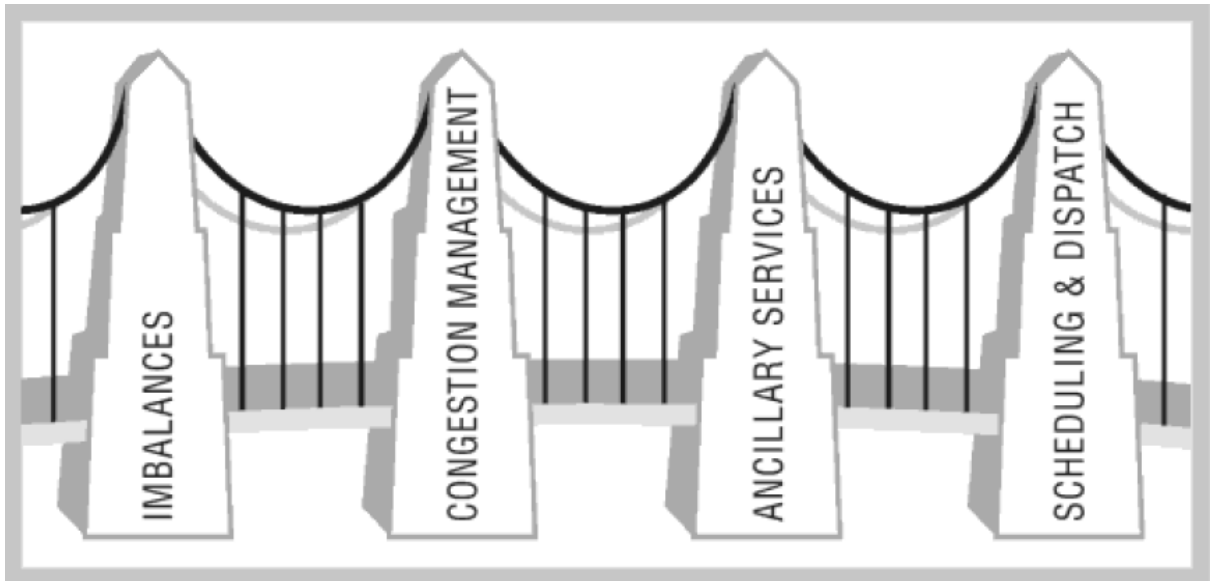
### Distribution List

- 1 सचिव, के.वि.नि.आ. तीसरा एवं चौथा तल, चंद्रलोक भवन, 36, जमपथ, 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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Member Secretary, NRPC, 18/A, SJSS Marg, Katwaria Sarai, New Delhi-110016
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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  
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General Manager, ERLDC, 14, Golf Club Road, Kolkata-700033
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General Manager, NERLDC, Dongtieh, Lower Nongrah, Lapiang, 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



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राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

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

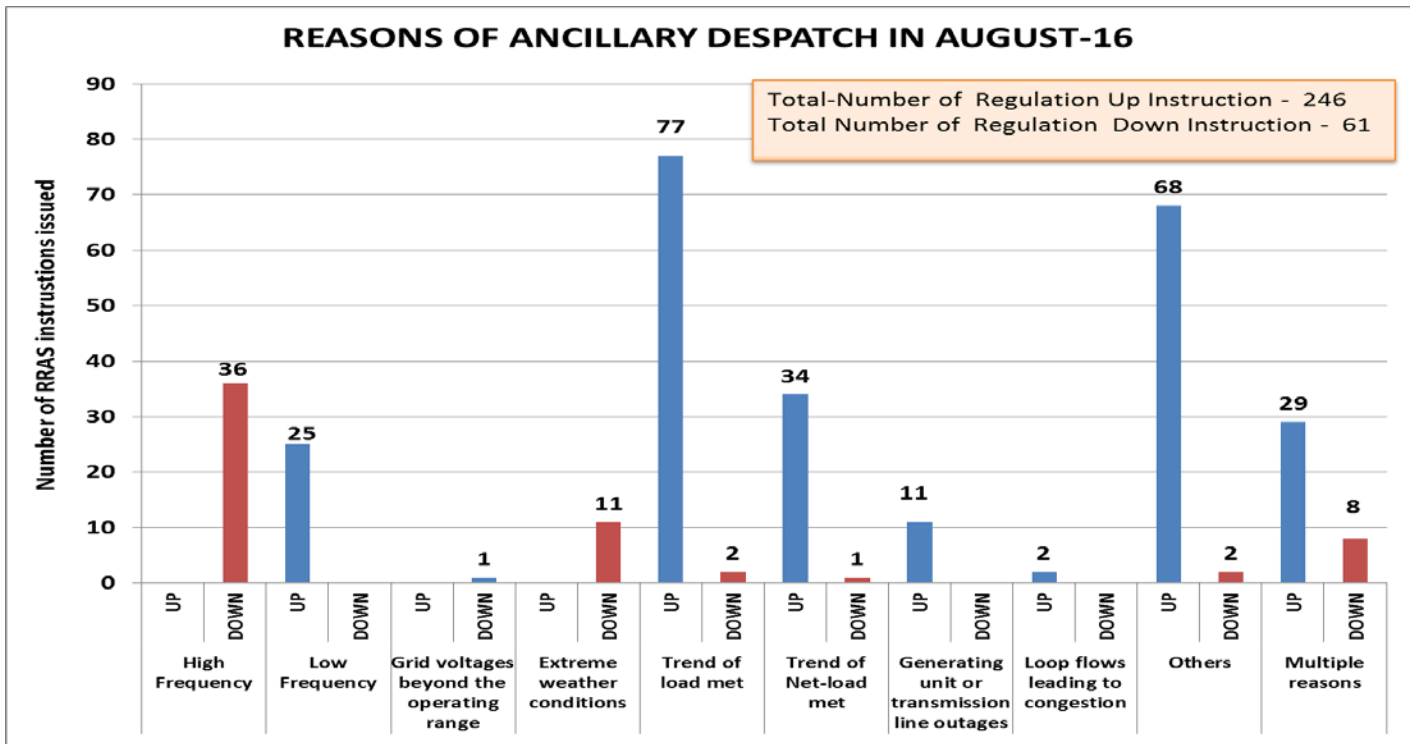


**IMPLEMENTATION OF THE RRAS MECHANISM**  
**REPORT FOR THE MONTH OF AUGUST 2016**

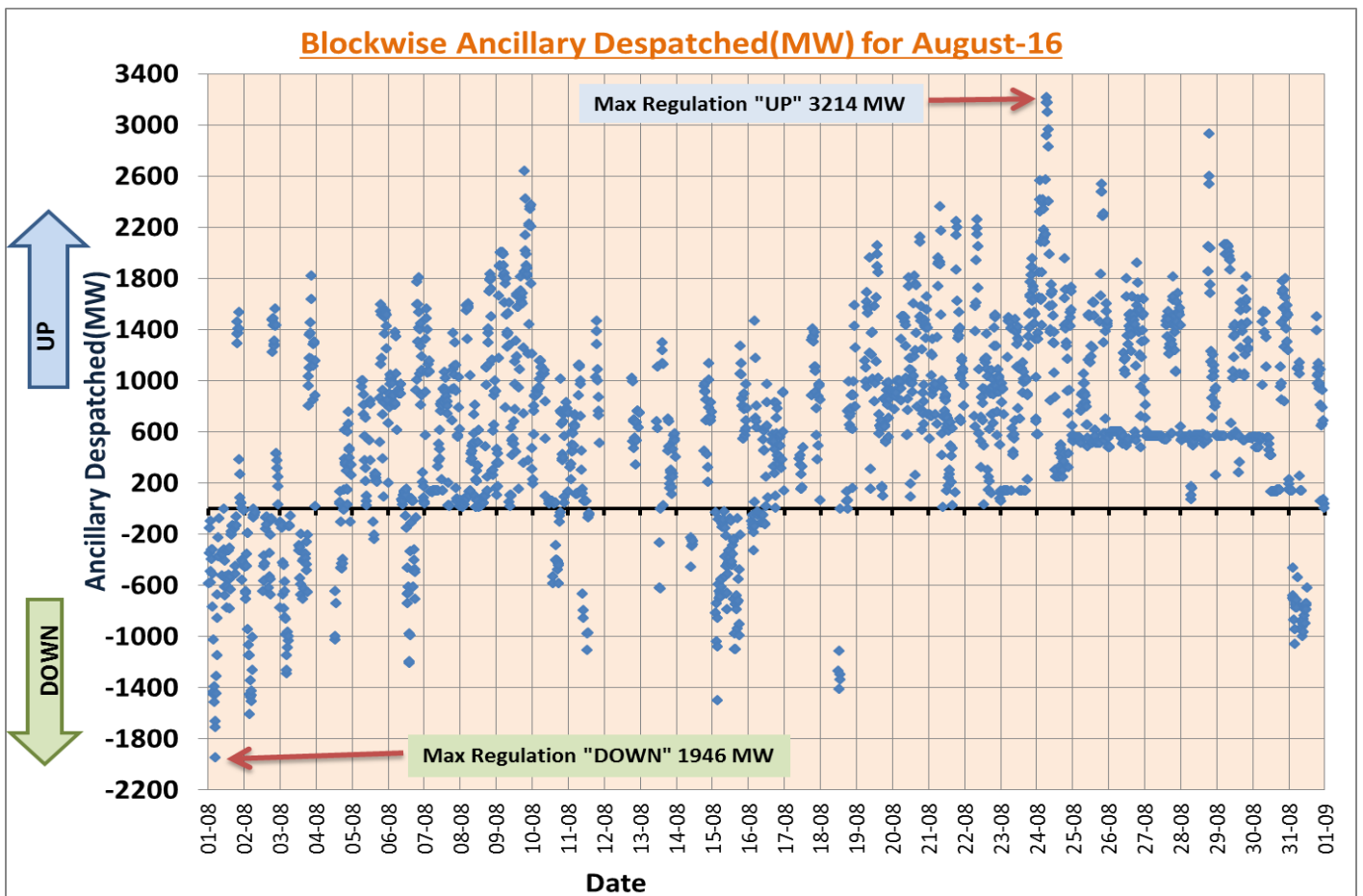
## **CONTENTS**

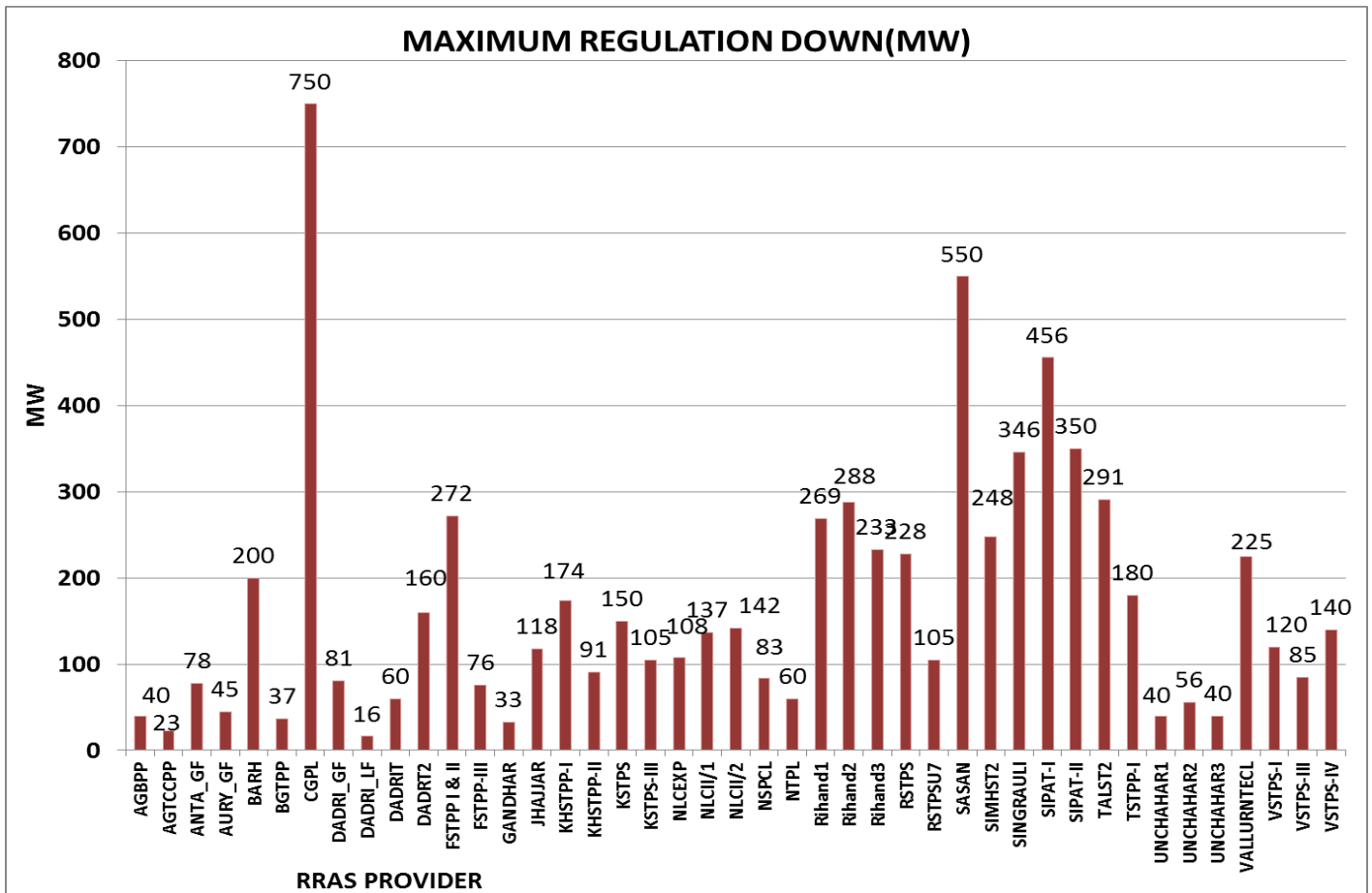
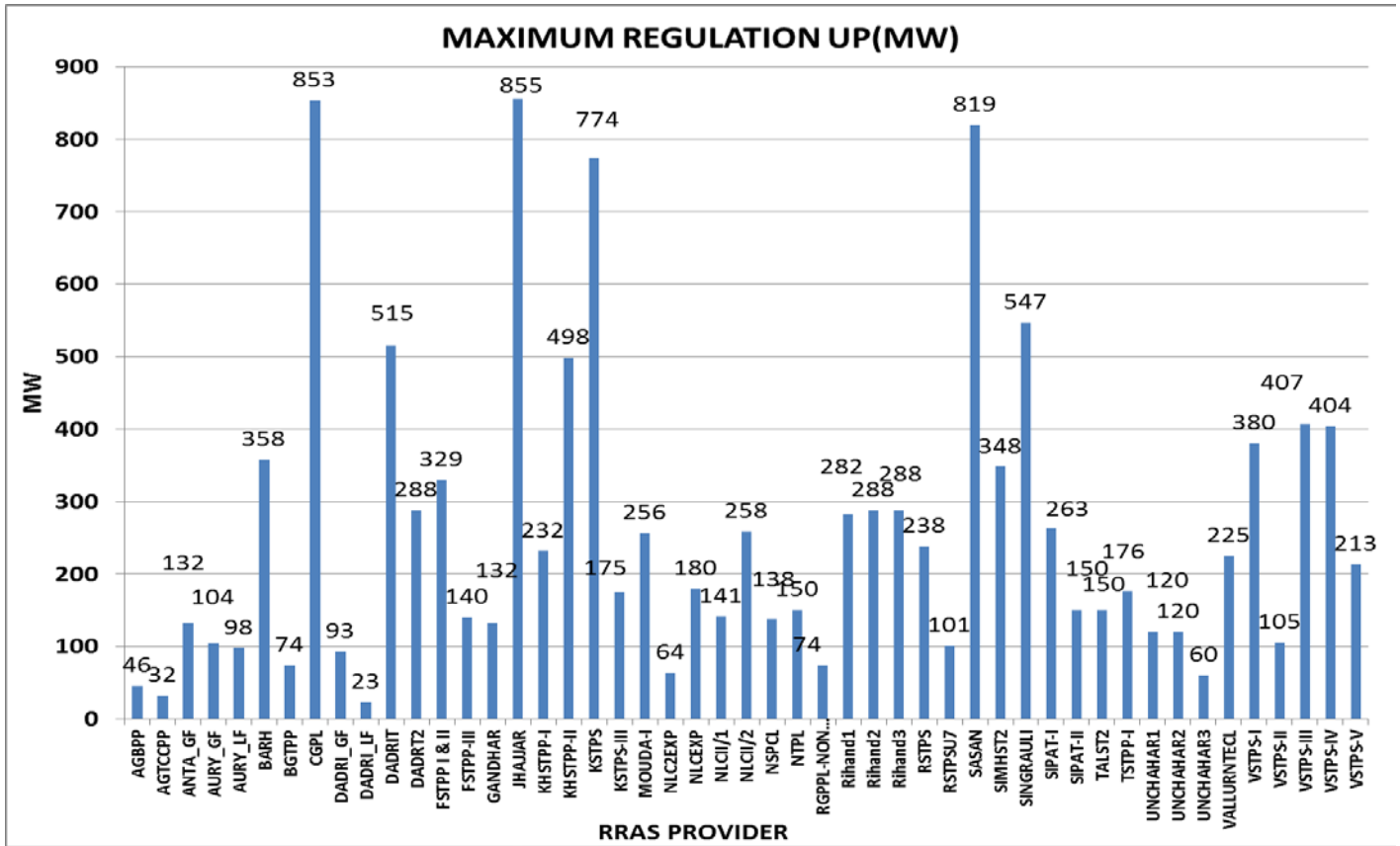
1. Reasons for Ancillary Services Despatch in August 16	1
2. Ancillary Despatched(MW)	1-2
3. Region wise participation in RRAS	3
4. Region wise energy despatch in Ancillary services	4-6
5. Payment to the RRAS Provider(s) from the DSM Pool for Up Regulation	7-8
6. Payments by the RRAS Provider(s) to the DSM Pool for DOWN Regulation	9-10

## Section-I: Reasons for Ancillary Services Despatch –

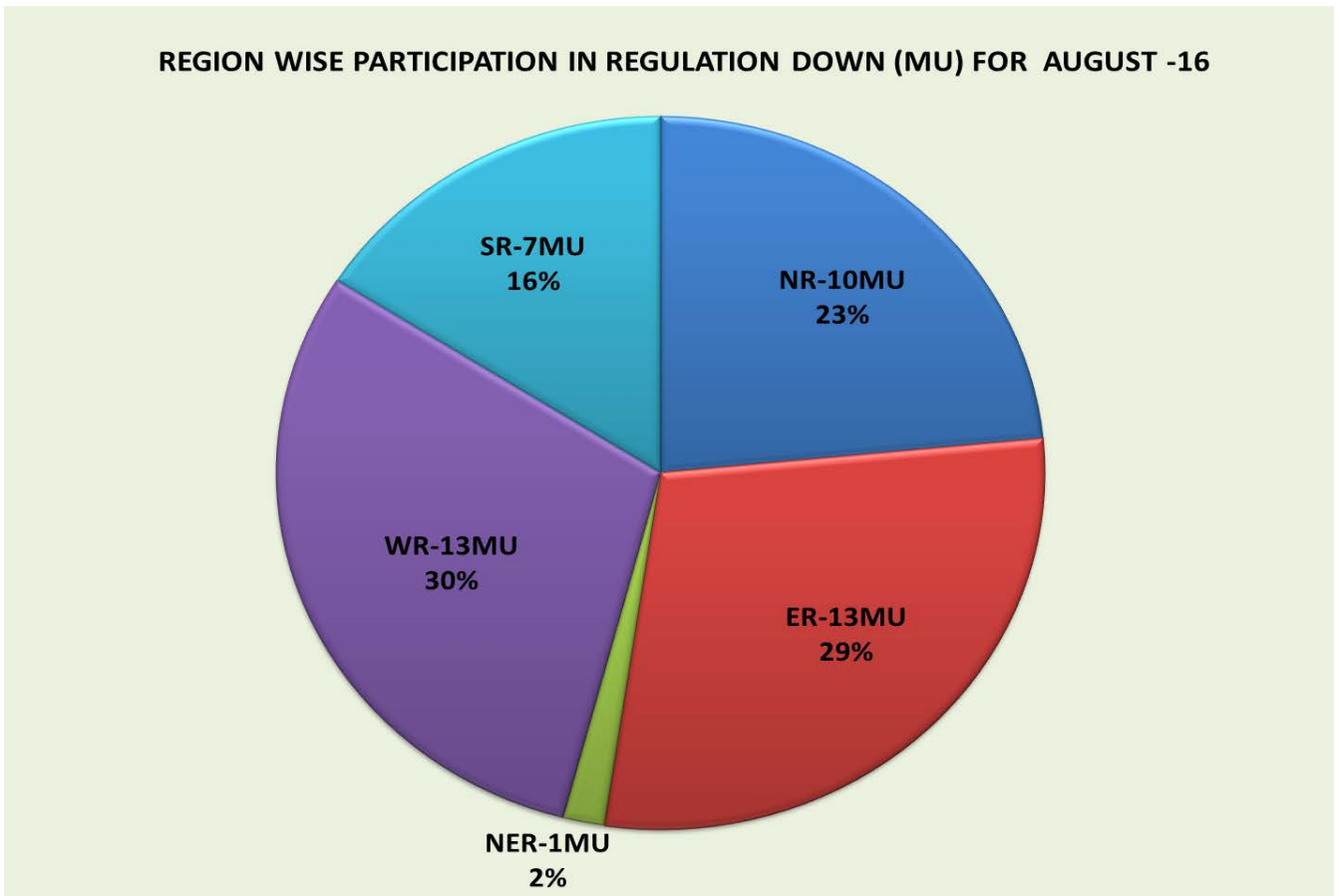
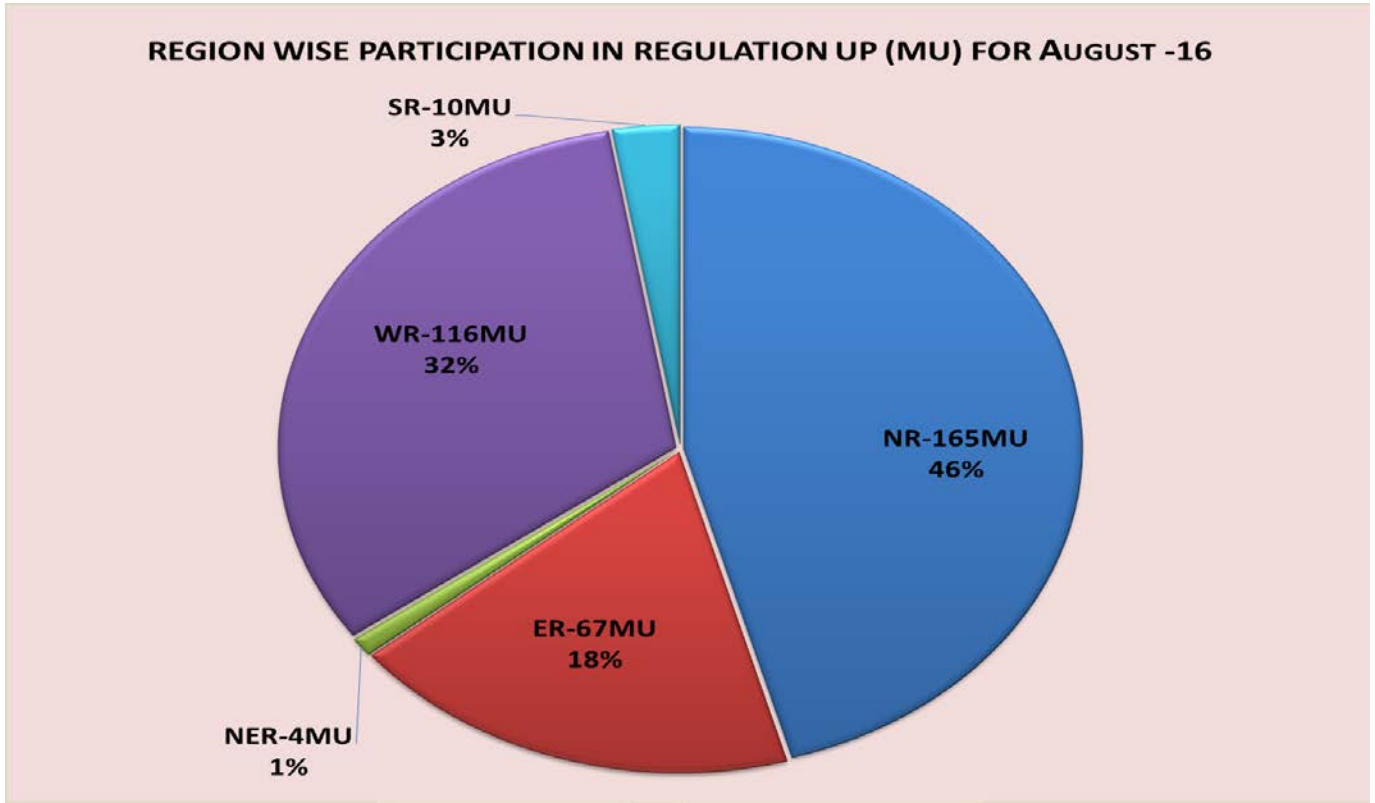


## Section-II: Ancillary Despatched (MW)–

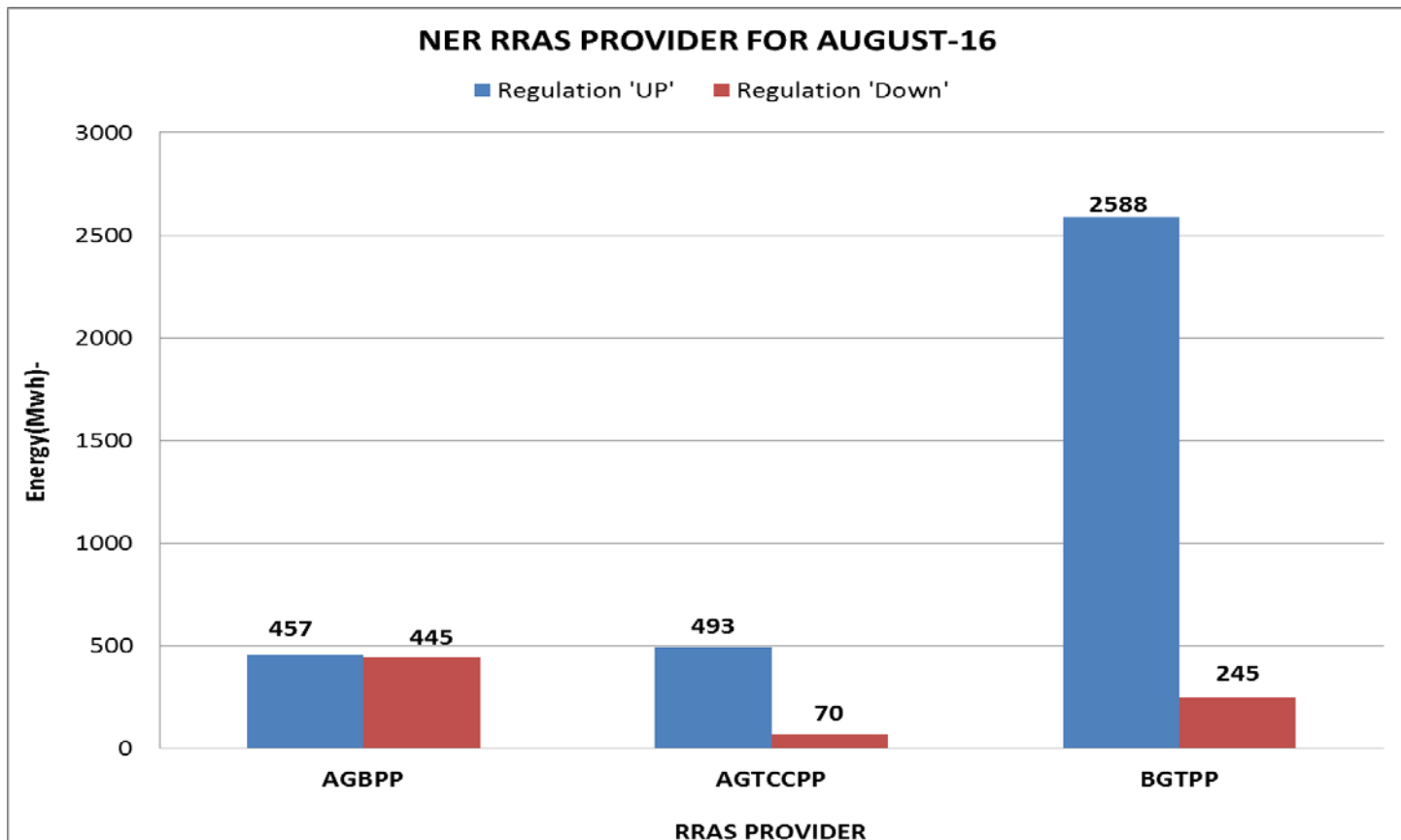
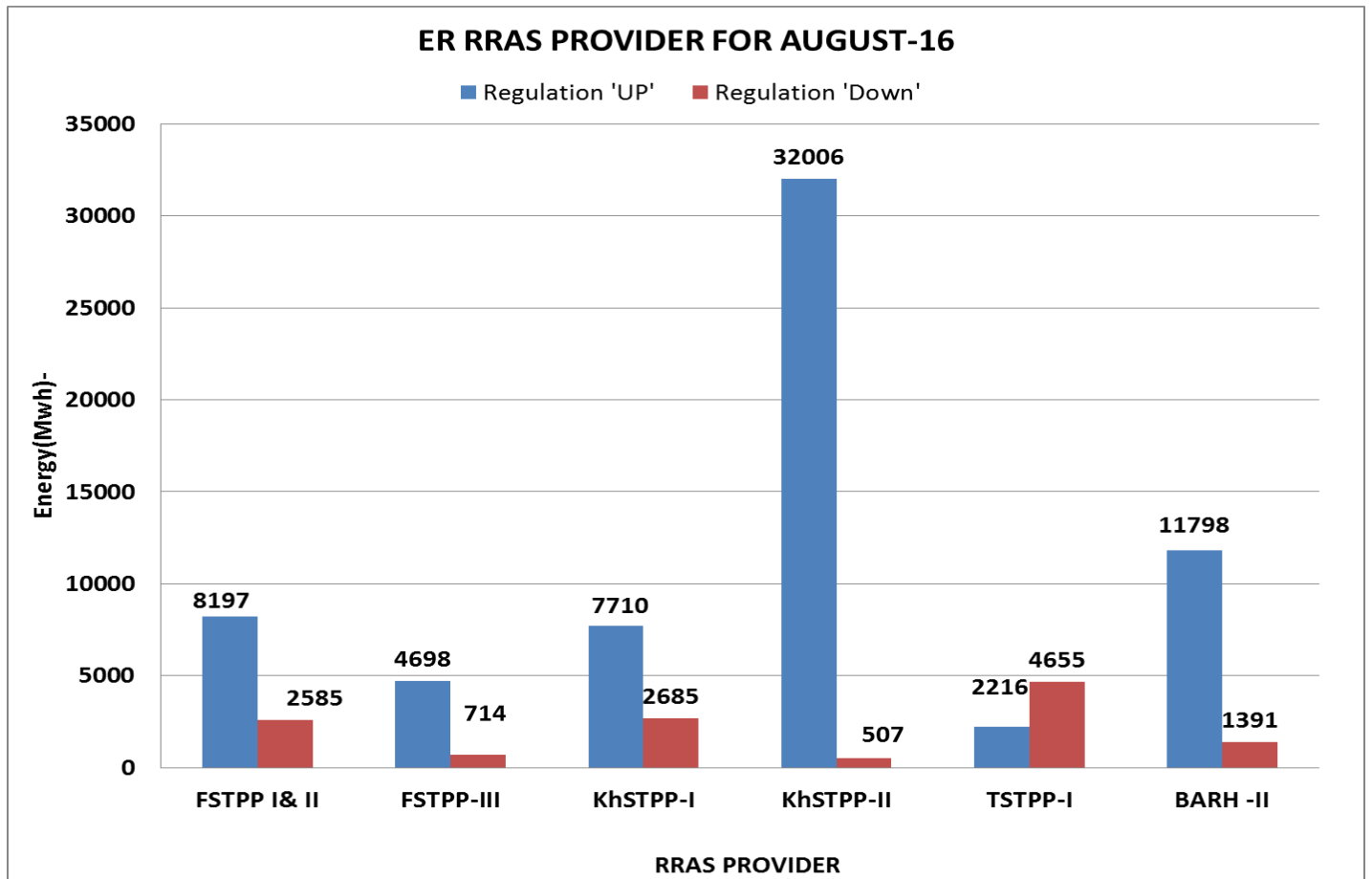




**Section-III: Region wise participation in RRAS-**

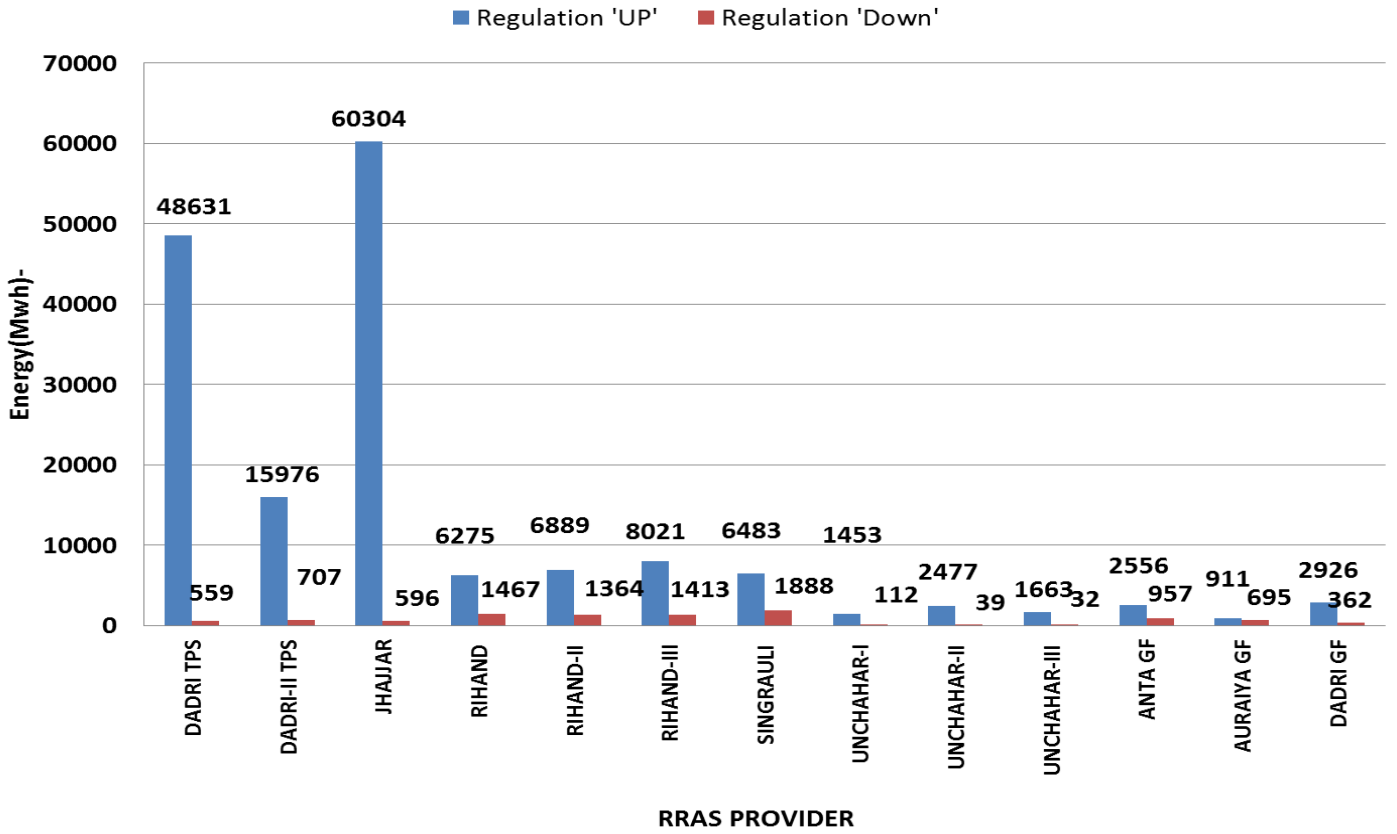


## Section IV: Region wise energy despatch in Ancillary services-

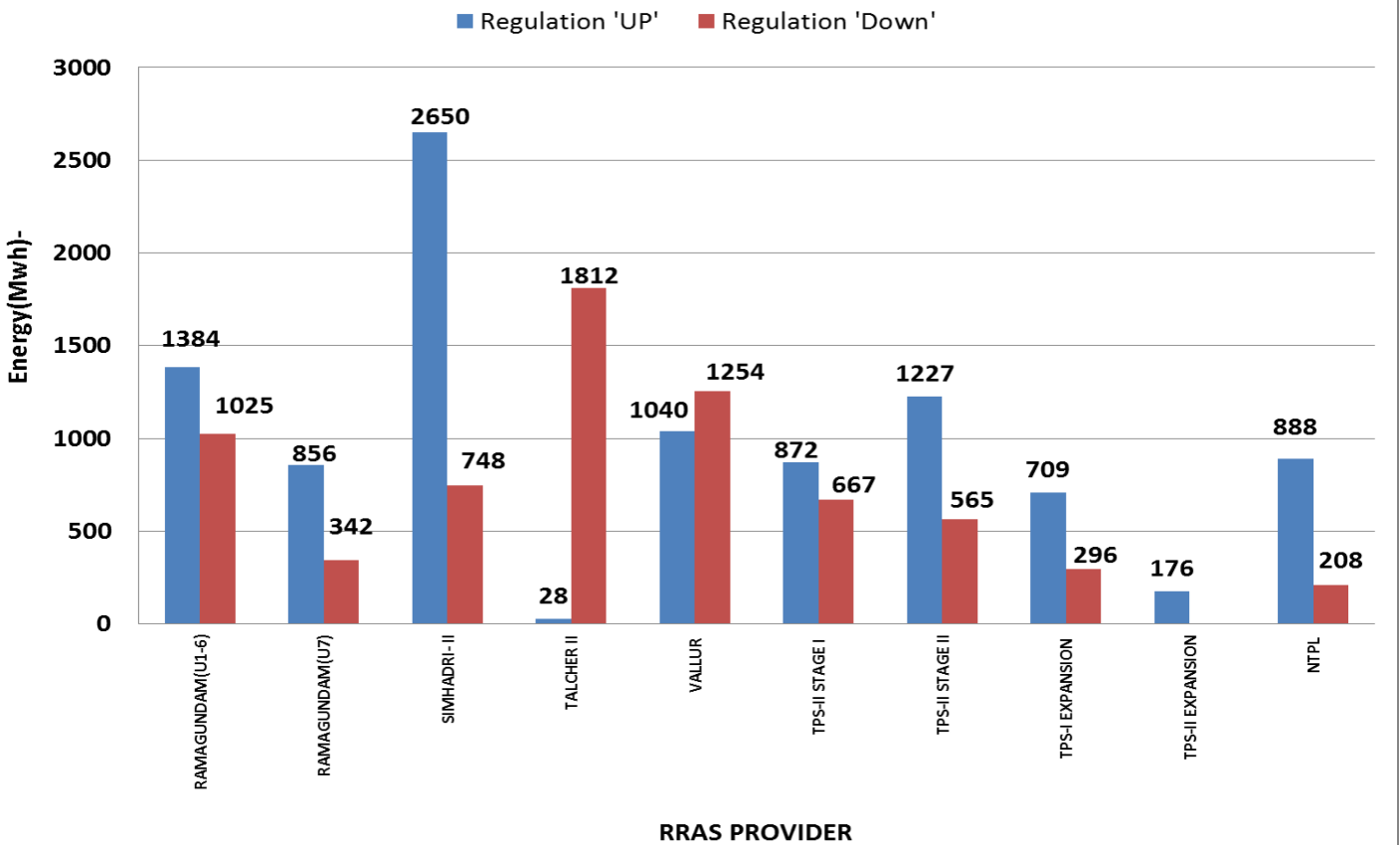




### NR RRAS PROVIDER FOR AUGUST-16

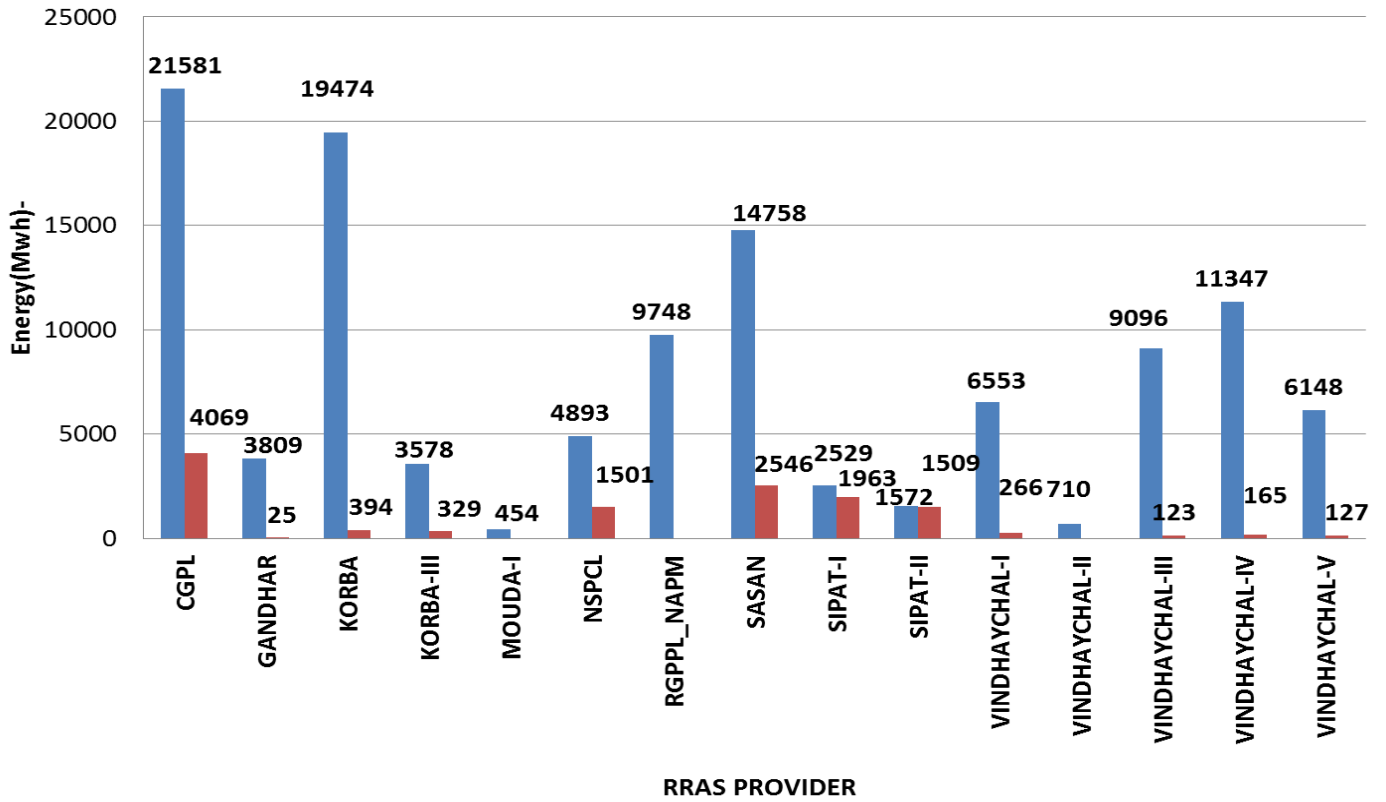


### SR RRAS PROVIDER FOR AUGUST-16



### WR RRAS PROVIDER FOR AUGUST-16

■ Regulation 'UP' ■ Regulation 'Down'



Section VII: Payment to the RRAS Provider(s) from the DSM Pool for Up Regulation from 01/08/2016 to 28/08/2016-

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	11798	22535060	31255077	5899230	59689365
2	ER	FSTPP I& II	8197	6459543	20679295	4098695	31237533
3	ER	FSTPP-III	4698	7732657	11638673	2349133	21720464
4	ER	KhSTPP-I	7710	7201164	18790861	3855012	29847037
5	ER	KhSTPP-II	32006	37030857	75109499	16002963	128143319
6	ER	TSTPP-I	2216	1755140	3820016	1108042	6683197
	ER	Total	66626	82714421	161293421	33313075	277320915
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)
7	NER	AGBPP	457	860804	797387	228450	1886641
8	NER	AGTCCPP	493	714215	774816	246559	1735589
9	NER	BGTPP	2588	6884914	8579727	1293999	16758640
	NER	Total	3538	8459933	10151929	1769008	20380870
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	NR	ANTA GF	2556	1666343	7146931	1277869	10091143
11	NR	AURAIYA GF	911	450593	3120302	455563	4026458
12	NR	AURAIYA LF	49	24451	357994	24500	406945
13	NR	DADRI GF	2926	1503737	8210381	1462777	11176895
14	NR	DADRI LF	12	5911	87377	5750	99038
15	NR	DADRI TPS	48631	42114241	167589317	24315380	234018938
16	NR	DADRI-II TPS	15976	25146084	51071658	7987956	84205698
17	NR	JHAJJAR	60304	103119288	199478842	30151838	332749968
18	NR	RIHAND STPS	6275	4881926	9463133	3137487	17482546
19	NR	RIHAND-II STPS	6889	6303327	11055191	3444444	20802962
20	NR	RIHAND-III STPS	8021	11886396	12469743	4010256	28366395
21	NR	SINGRAULI STPS	6483	3734027	8921128	3241317	15896472
22	NR	UNCHAHAHAR-I TPS	1453	1223078	3954940	726293	5904311
23	NR	UNCHAHAHAR-II TPS	2477	2170163	6783773	1238677	10192613
24	NR	UNCHAHAHAR-III TPS	1663	2273576	4525552	831593	7630721
	NR	Total	164623	206503141	494236262	82311700	783051103

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)
25	SR	NTPL	888	1396807	2098910	444045	3939763
26	SR	Simhadri Stage II	2650	4287685	7105739	1324995	12718420
27	SR	Talcher Stage II	28	21785	47342	14000	83127
28	SR	TPS-I Expansion	709	932769	1733464	354665	3020899
29	SR	TPS-II Expansion	176	372766	425611	87875	886252
30	SR	TPS-II Stage I	872	539731	2263268	435970	3238970
31	SR	Vallur	1040	1800461	2072264	519764	4392489
32	SR	Ramagundam (U1-6)	1384	795773	2918193	691976	4405944
33	SR	Ramagundam (U7)	856	795690	1843942	427790	3067423
34	SR	TPS-II Stage II	1227	775735	3186432	613715	4575883
	SR	Total	9830	11719202	23695165	4914795	40329170
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)
35	WR	CGPL	21581	19527010	28525238	10790250	58842497
36	WR	GANDHAR	3809	3477690	8412554	1904540	13794784
37	WR	KSTPS	19474	10224060	29943112	9737200	49904373
38	WR	KSTPS-III	3578	5463026	5385619	1788810	12637453
39	WR	MOUDA-I	454	859195	1124855	227060	2211110
40	WR	NSPCL	4893	8670821	8780875	2446620	19898316
41	WR	RGPL_NAPM	9748	13159881	18604580	4874030	36638491
42	WR	SASAN	14758	2511799	23187370	7378960	33078128
43	WR	SIPAT-I	2529	3462050	3222707	1264445	7949202
44	WR	SIPAT-II	1572	1973137	2063637	786110	4822883
45	WR	VSTPS-I	6553	4167652	11326262	3276455	18770369
46	WR	VSTPS-II	710	444031	1167469	355225	1966726
47	WR	VSTPS-III	9096	9924194	14822213	4548210	29294618
48	WR	VSTPS-IV	11347	17281314	18703032	5673445	41657790
49	WR	VSTPS-V	6148	7832298	9972446	3073900	20878644
	WR	Total	116251	108978158	185241969	58125260	352345384
<b>ALL INDIA</b>		<b>Total</b>	<b>360868</b>	<b>418374855</b>	<b>874618747</b>	<b>180433838</b>	<b>1473427442</b>

Section VII: Payments by the RRAS Provider(s) to the DSM Pool for DOWN Regulation from 01/08/2016 to 28/08/2016-

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	1391	3596296	2697222
2	ER	FSTPP I& II	2585	6356989	4767742
3	ER	FSTPP-III	714	1610827	1208120
4	ER	KhSTPP-I	2685	6328578	4746434
5	ER	KhSTPP-II	507	1140195	855146
6	ER	TSTPP-I	4655	8188030	6141023
	ER	Total	12537	27220915	20415687
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)
7	NER	AGBPP	445	779901	584926
8	NER	AGTCCPP	70	109773	82330
9	NER	BGTPP	245	827872	620904
	NER	Total	760	1717546	1288160
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	NR	ANTA GF	957	2607505	1955630
11	NR	AURAIYA GF	695	2199371	1649528
12	NR	DADRI GF	362	1093118	819838
13	NR	DADRI TPS	559	1775294	1331471
14	NR	DADRI-II TPS	707	2106077	1579557
15	NR	JHAJJAR	596	1901873	1426405
16	NR	RIHAND STPS	1467	2101154	1575867
17	NR	RIHAND-II STPS	1364	2119824	1589868
18	NR	RIHAND-III STPS	1413	2142961	1607221
19	NR	SINGRAULI STPS	1888	2488737	1866552
20	NR	UNCHAHAR-I TPS	112	310915	233187
21	NR	UNCHAHAR-II TPS	39	110570	82928
22	NR	UNCHAHAR-III TPS	32	91222	68417
	NR	Total	10191	21048621	15786469

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)
23	SR	Ramagundam (U1-6)	1025	2163805	672633
24	SR	Ramagundam (U7)	342	737960	553470
25	SR	Simhadri Stage II	748	1993301	1494976
26	SR	Talcher Stage II	1812	3280430	2460323
27	SR	Vallur	1254	2486475	1864856
28	SR	TPS-II Stage I	667	1732247	1299186
29	SR	TPS-II Stage II	565	1467582	1100687
30	SR	TPS-I Expansion	296	721479	541110
31	SR	NTPL	208	491244	368433
	SR	Total	6918	15074523	10355674
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	WR	CGPL	4069	5416641	4062481
33	WR	GANDHAR	25	55118	41339
34	WR	KSTPS	394	613355	460016
35	WR	KSTPS-III	329	492923	369692
36	WR	NSPCL	1501	2675424	2006569
37	WR	SASAN	2546	3954705	2966029
38	WR	SIPAT-I	1963	2501423	1876068
39	WR	SIPAT-II	1509	1980355	1485266
40	WR	VSTPS-I	266	463376	347532
41	WR	VSTPS-III	123	197431	148073
42	WR	VSTPS-IV	165	265593	199195
43	WR	VSTPS-V	127	200510	150382
	WR	Total	13019	18816854	14112642
<b>ALL INDIA</b>		<b>Total</b>	<b>43424</b>	<b>83878459</b>	<b>61958632</b>