



सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
पूर्वी क्षेत्रीय विद्युत समिति

Eastern Regional Power Committee

14, गोल्फ क्लब रोड, टॉलीगंज, कोलकाता-700033
14 Golf Club Road, Tollygunj, Kolkata-700033



आई एस ओ : 9001-2008
ISO : 9001-2008

Tel No. :033-24239651, 24239650 FAX No.:033-24239652, 24239653 Web: www.erpcc.gov.in

NO: ERPC/COM-II/ABT-DC/12274-12308

Date: 19.02.2020

To: As per List / संलग्न सूची के अनुसार

Sub: Statement of Deviation Charges including Additional Deviation Charges, RRAS & AGC Settlement Account for the period from 27.01.2020 to 02.02.2020 and Deviation Settlement of Bhutan Power for the month of JANUARY 2020.

Sir,

Statement of Deviation charges for the week has been prepared as per CERC(DSM & Related matters) regulation,2014 & all amendments(including 5th Amendment regulation,2019 dated 28.05.2019)

इस सप्ताह के लिए विचलन प्रभार का विवरण सीईआरसी (डीएसएम एवं संबंधित मामले) अधिनियम, 2014 एवं अन्य सभी संशोधनों (दिनांक- 28.05.2019 के 5वें संशोधन अधिनियम, 2019 सहित) के आधार पर तैयार किया गया है।

RRAS Settlement Account for the weeks has been prepared as per the guidelines of Detailed Procedure for Ancillary Services Operation approved by CERC. AGC Settlement Account for the week has been prepared based on the CERC order in petition No. 79/RC/2017, dated 06.12.2017.

इस सप्ताह के लिए आरआरएस निपटान खाते को सीईआरसी द्वारा अनुमोदित एंसिलरी सर्विसेज ऑपरेशन के दिशानिर्देशों के विस्तृत प्रक्रिया के अनुसार तैयार किया गया है। इस सप्ताह के लिए एजीसी निपटान खाता को दिनांक-06.12.2017 के सीईआरसी के आदेश याचिका सं. 79/RC/2017 के आधार पर तैयार किया गया है।

The last installment of data for the subjected week has been received from ERLDC on 14.02.2020.

दिनांक -14.02.2020 को ईआरएलडीसी से विषयवार सप्ताह हेतु डाटा की अंतिम किस्त प्राप्त की गई है।

The constituents, who have to pay the Deviation Charges as indicated in the statement, are requested to make the payment to the Deviation Pool account operated by ERLDC within 10 days of the billing date. In case of delayed payments for Deviation charges against these bills beyond 12 days, the defaulting constituents shall have to pay simple interest @0.04 % for each day of delay.

जिन संघ के सदस्यों को विचलन शुल्क का भुगतान करना है, उनसे अनुरोध है कि वे बिलिंग तिथि के 10 दिनों के भीतर ईआरएलडीसी द्वारा संचालित विचलन पूल खाते में भुगतान करें। इन विचलन शुल्क के बिलों के भुगतान में 12 दिनों से अधिक के विलंब की स्थिति में, व्यतिक्रामी घटकों को विलंब के प्रत्येक दिन @ 0.04% का साधारण ब्याज का भुगतान करना होगा।

In case of delay in Payments to/ Receivables from the DSM Pool by the RRAS/AGC providers beyond 12/17 days of the issuance date, the RRAS/AGC providers shall pay to/receive from the DSM Pool Account simple interest @0.04 % for each day of delay.

आरआरएस/एजीसी प्रदाताओं द्वारा डीआरएम पूल से भुगतान / प्राप्ति में देरी की स्थिति में, जारी करने की तारीख से 12 से 17 दिनों के बाद, आरआरएस/एजीसी प्रदाता विलंब के प्रत्येक दिन के लिए डीएसएम पूल खाता@ 0.04% का साधारण ब्याज भुगतान / प्राप्त करेंगे।

Observations, if any, may be intimated to ERPC Secretariat within a fortnight.

यदि कोई अवलोकन हो, पंद्रह दिनों के भीतर ईआरपीसी सचिवालय को सूचित किया जा सकता है।

Encl: As above

भवदीय / Yours faithfully,


for सदस्यसचिव / MEMBER SECRETARY

List of Addressee

1. CE (Trans/O&M), BSPTCL, Vidyut Bhavan, Bailey Road, Patna-21. (Fax 0612-2504557)
2. ESE (Interstate), BSPHCL, Vidyut Bhavan, 3rd Floor, Bailey Road, Patna-800 021. (Fax 0612-2504557)
3. CE (Comml & Revenue), JBVNL, Engineering Building, H.E.C. Township, Dhurva, Ranchi-834004, Jharkhand . (Fax : 0651-2490486 / 2400799)
4. GM-cum-CE (Trans), JUSNL, Kusai Colony, Duranda, Ranchi, Jharkhand (Fax:0651-2490486)
5. CE (Comml), DVC, DVC Towers, VIP Road, Kolkata-700 054. (Fax: 033-23552129)
6. CE (SLDC), DVC, P.O.: Danesh Sheikh Lane, Andul Road, Howrah - 71110 9. FAX-033-2688-5094
7. Sr. GM(PP), GRIDCO, 4th floor, Vidyut Bhawan, Janpath, Bhubaneswar-22. (Fax : 0674-2547180/2547261).
8. Sr. GM (PS), OPTCL, SLDC Bldg, PO Mancheswar Rly Colony, Bhubaneswar-17, (Fax: 0674-2748509)
9. Sr. General Manager(Finance), OPGC, Odisha (Fax: 06645 222225)
10. CE (Trans.), Energy & Power Deptt., Govt. of Sikkim, Gangtok.-737 101 (Fax: 03592-201148 / 202927)
11. CE (SLDC), WBSETCL, PO. Danesh Sheikh Lane, Howrah-109. (Fax: 033-26886232)
12. Chief (Finance), NHPC Ltd, Sector-33, Faridabad-121003 (Fax: 0129-2254668)
13. ED (Comml), NHPC Ltd, Sector-33, Faridabad-121003 (Fax No. 0129-2254668)
14. AGM (Comml), NTPC Ltd, Loknayak Jaiprakash Bhawan, 2nd floor, Dak Banglow Chowk, Fraser Road, Patna-800 001. (Fax : 0612-2230035 / 2224287 ,2211807)
15. GM (Comml), NTPC Ltd, 7 Institutional Area, Lodhi Road, New Delhi-3 (Fax: 011-24360318 / 24368417)
16. AGH (Comml), Maithon Power Ltd, MA-5, Gonga, PO: Maithon Dam-828207 (Fax: 06540-276606, 08860004758)
17. DGM (Electrical), APNRL, P.O. kandra, Behind 400kV PGCIL S/s, Tata-Kandra road, Dist: Saraikela, Kharsanwa (Jharkhand) – 832 105 (FAX: 0657 – 6628440)
18. AGM(Comml.), ER-I, Powergrid, Patna (Fax: 0612 2227630)
19. AGM(Comml.), ER-II, Powergrid, Kolkata (Fax NO. 033 2357 2827)
20. AGM(E&M), GATI Infrastructure Ltd.,, Sundung, Rongli, East Sikkim, Sikkim-737131(Fax: 08066885455)
21. ED, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata-33 (Fax: 033-24235809)
22. ED, NRLDC, 18A, Shaheed JSS Marg, Katwaria Sarai, New Delhi-110 016. (Fax:011-26852747)
23. GM, SRLDC, 29 Race Course Road, Bangalore-560009 (Fax : 080-22268725).
24. GM, WRLDC, MIDC Area, Marol, Andheri (E), Mumbai-490093 (Fax: 022-28235434)
25. GM, NERLDC, Dongtieh, Lower Nongrah, Laplang, Shillong-793006 (Fax:0364-2537470)
26. GM(Electrical), Ind Barath Energy Utkal Ltd., Vill: Sahajbahal P.O: Charpali-Barpali, Dist: Jharsuguda – 768211 (Fax: 0674-2532174)
27. GM(Power Sales), GMRKEL, Plot no 29, Satya Nagar, Bhubaneswar- 751 007(Fax: 0674- 2572794)
28. Head(Power Sales), JITPL, Local shopping centre, Sector-B1, Vasant kunj, New Delhi- 110 070
29. AGM, SO, NVVN, SCOPE Complex, Core-5, 1st & 2nd Floor, Lodhi Road, New Delhi-110003 (Fax: 011-24367021)
30. Head(Commercial), TPTCL, Tata Power Co Ltd, B12 & 13, 2nd Floor, Shatabdi Bhawan, Sector 4, NOIDA – 201 301 (Fax: 0120-2540085/0050)
31. ED, DANS Energy Pvt Ltd, 5th Floor, Building no.8, Tower-C, DLF Cyber City, Phase-II, GURGAON – 122 002
32. GM, Teesta Urja Limited, 2nd Floor, Vijaya Building. 17, Barakhamba Road. New Delhi – 110001 (Ph. 9810519283; 011- 46529600/46529700)
33. AGM, BRBCL, Nabinagar, Aurangabad BIHAR (Fax : 06332 233002)
34. Director, Shiga Energy Pvt. Ltd., 5th Floor, DLF Building No. 8, Tower-C, DLF Cyber City, Phase-II, Gurgaon – 122002
35. CEO, Sneha Kinetic Power Projects Pvt.Ltd. #31 -A, National Highway, Behind SNOD building., Deorali, Gangtok, Sikkim-737102

EASTERN REGIONAL POWER COMMITTEE
KOLKATA
ABT based Deviation Charge Account
For the period 27.01.20 TO 02.02.20
AS PER 5TH AMENDMENT OF DSM, 2019 W.E.F. 03/06/2019

(All figures in Rs. Lakhs)

UTILITIES AND DEVIATION CHARGES PAYABLE BY THEM	DEVIATION CHARGE (in Rs. Lakhs)		ADDITIONAL DEVIATION CHARGE DUE TO VIOLATION OF BLOCK WISE VOLUME LIMIT (in Rs. Lakhs.)	ADDITIONAL DEVIATION CHARGE DUE TO VIOLATION OF SIGN CHANGE (in Rs. Lakhs.)	FINAL DEVIATION CHARGE (in Rs. Lakhs)	
	RECEIVABLE	PAYABLE			RECEIVABLE	PAYABLE
A	B	C	D	E	F	G
BENEFICIARIES OF EASTERN REGION						
BSPHCL		69.39582	24.33162	0.30907		94.03651
JUVNL		134.90360	4.67596	0.84853		140.42809
DVC		12.28483	7.59887	0.00000		19.88370
GRIDCO	65.90695		21.02631	0.00000	44.88064	
SIKKIM		20.65657	0.54653	0.00000		21.20310
WBSETCL	66.76429		8.76059	0.41056	57.59314	
HVDC SASARAM	1.45196		0.00327	0.00000	1.44869	
HVDC ALIPURDUAR		0.73655	0.00000	0.00000		0.73655
CERC REGULATED GENERATORS (CGS/ISGS)						
FSTPP-I & II		9.97948	6.26688	0.04898		16.29534
FSTPP-III	2.78000		6.09892	0.00000		3.31892
KHSTPP-I	3.16953		0.08386	0.02917	3.05650	
KHSTPP-II		17.65540	0.10321	0.00000		17.75862
TSTPP	3.62469		0.00429	0.00000	3.62041	
BARH		56.44440	8.21364	0.00000		64.65804
MTPS-II		10.97850	0.54794	0.00000		11.52644
BRBCL	6.63092		0.18103	0.08315	6.36675	
TEESTA	15.43684		0.54228	0.00000	14.89456	
RANGIT	0.89372		0.03407	0.00000	0.85965	
MAITHON R/B	16.45171		0.18936	0.00000	16.26235	
NPGC		6.41043	0.00077	0.00000		6.41119
OTHER GENERATORS						
APNRL		9.45762	0.01900	0.00000		9.47662
GMRKEL		42.71579	0.01031	0.00000		42.72610
JITPL		28.35104	0.38738	0.00000		28.73842
CHUZACHEN		0.23465	0.01172	0.00000		0.24637
DIKCHU	0.91500		0.02623	0.00000	0.88876	
JORETHANG HEP		2.77908	0.00097	0.00000		2.78005
THEP		0.32627	0.00000	0.00000		0.32627
TUL		3.39388	1.08873	0.00000		4.48261
INTER- REGIONAL						
NER	2228.40494				2228.40494	
NR	1988.00124				1988.00124	
SR		2056.85668				2056.85668
WR		1361.21156				1361.21156
INTER- NATIONAL						
NVVN-BD		26.88567	20.54538	0.00000		47.43105
NVVN-NEPAL		19.99401	0.20776	0.00000		20.20177
TPTCL		24.05871	0.20264			24.26135
INFIRM GENERATORS						
BARH SG1_INFIRM		3.02588				3.02588
NPGC_INFIRM		40.84817				40.84817
DARLIPALI_INFIRM	74.88902				74.88902	
SOLAR GENERATORS						
TALCHER SOLAR		1.01080				1.01080
TOTAL	4475.32080	3960.59539	111.70951	1.72944	4441.16664	4039.88018

(All figures in Rs. Lakhs)

Payable to the pool(A):		3960.59539
Receivable from the pool(B):		4475.32080
Differential Amount Arising from capping of Generating Stations(A-B)		-514.72541
Additional Deviation Amount:		113.43895

EASTERN REGIONAL POWER COMMITTEE
KOLKATA

Settlement of Deviation of Bhutan Power from Schedule for the month of JANUARY'2020

Generators	SCH(MWH)	ACT(MWH)	DEV(MWH)	DEV CHARGE(Rs.)
CHUKKA HEP	0.000	16797.718	16797.718	42834181
KURICHHU HEP	0.000	0.000	0.000	0
TALA HEP	66844.375	0.000	-66844.375	-141710075
MANGDECHHU HEP	75557.163	76650.800	1093.638	4505786

CONSTITUENTS	CHUKHHA HEP		KIRUCHHI HEP		TALA HEP		MANGDECHHU HEP		Adjusted DEV Charge For CHPC, KHPC, THPC, MHEP(Rs in Lakhs)
	SHARE(%)	DEV CHARGES (Rs in lakhs)	SHARE(%)	DEV CHARGES (Rs in lakhs)	SHARE(%)	DEV CHARGES (Rs in Lakhs)	SHARE(%)	DEV CHARGES (Rs in Lakhs)	
BSPHCL	29.63	126.91768	0	0.00000	25.50	-361.36069	36.87	16.61283	-217.83018
JUVNL	10.74	46.00391	0	0.00000	11.46	-162.39975	0.00	0.00000	-116.39584
DVC	10.37	44.41905	50	0.00000	5.54	-78.50738	0.00	0.00000	-34.08834
GRIDCO	15.19	65.06512	0	0.00000	4.25	-60.22678	10.97	4.94285	9.78119
SIKKIM	2.22	9.50919	0	0.00000	0.00	0.00000	0.00	0.00000	9.50919
WBSETCL	31.85	136.42687	50	0.00000	38.25	-542.04104	32.14	14.48160	-391.13257
NR(THPC)	0.00	0.00000	0.00	0.00000	15	-212.56511	0.00	0.00000	-212.56511
NER(MHEP)	0.00	0.00000	0.00	0.00000	0.00	0.00000	20.02	9.02058	9.02058
TOTAL	100.00	428.34181	100.00	0.00000	100.00	-1417.10075	100.00	45.05786	-943.70108

(+) Means receivable from ER DSM pool

(-) Means Payable to ER DSM Pool

EASTERN REGIONAL POWER COMMITTEE

KOLKATA

Settlement of Deviation of Bhutan Power from Schedule for the month of JANUARY'2020

CONSTITUENTS	NR(TALA HEP)		Adjusted DEV Charge For THPC(Rs in Lakhs)
	SHARE(%)	DEV CHARGES (Rs in Lakhs)	
UTTAR PRADESH	4.41	-62.49414	-62.49414
RAJASTAN	1.47	-20.83138	-20.83138
J & K	1.77	-25.08268	-25.08268
HARYANA	1.47	-20.83138	-20.83138
PUNJAB	2.94	-41.66276	-41.66276
DELHI	2.94	-41.66276	-41.66276
TOTAL	15.00	-212.56511	-212.56511

(+) Means receivable from NR DSM pool

(-) Means Payable to NR DSM Pool

CONSTITUENTS	NER(MANGDECHHU HEP)		Adjusted DEV Charge For MHEP(Rs in Lakhs)
	SHARE(%)	DEV CHARGES (Rs in Lakhs)	
ASSAM	20.02	9.02058	9.02058
TOTAL	20.02	9.02058	9.02058

(+) Means receivable from NER DSM pool

(-) Means Payable to NER DSM Pool

**EASTERN REGIONAL POWER COMMITTEE
KOLKATA**

i) Metering points for Inter-Regional Exchange:-

- a) **Northern Region:** Pusauli East Bus and ER end of other A.C. Ties
- b) **Western Region :** Ranchi end of Ranchi-Dharamjaygarh 765kV D/C, ER end of Sundergarh-Dharamjaygarh 765kV D/C,
ER end of Sundergarh-Raigarh 400kV Q/C, ER end of Ranchi-Sipat 400kV D/C, Budipadar-Korba 220 kV lines & Budhipadar-Raigarh 220kV D/C Lines
- c) **Southern Region:** Angul end of Angul-Sirkakulam 765kVD/C Lines, Jeypore end of Jeypore -Gajuwaka D/C & East bus of TSTPP Stage I & II interconnector.
- d) **North Eastern Region:** NER end of 220 kV Alipurduar -Salakati D/C ,400 kV Alipurduar Bongaigaon and 400kV Binaguri - Bongaigaon D/C lines.

ii) For computing Deviation Charge for the week , Korba meter(NP2657A) has been used as master frequency meter.

iii) Deviation charges for the week has been calculated as per amendment of CERC (Deviation Settlement Mechanism and related matters) Regulation.Notification no. No.L-1/132/2013/ CERC dated 06.01.14. Amendment as per CERC order dated 20.01.2015 on petition no RP/06/2015, 4th Amendment order dated 20.11.2018 and 5th Amendment order dated 28.05.2019 have also been incorporated.

iv) ACP values for computation of deviation rate vector has been taken from NLDC website

v) The Cap rate for all generators has been fixed at 303.04 paisa/kwh as per DSM 5th amendment 2019.

vi) Additional Deviation Charge due to violation of Block wise volume limit is inclusive of Additional deviation charge due to OD/UI at $f < 49.85\text{Hz}$ & OI/UD at $f \geq 50.10\text{ Hz}$.

vii) CHPC, KHPC, THPC and MANGDECHHU are not covered under ABT. Hence Deviation energy (MWh) of these stations shall be adjusted monthly after getting data from concerned agency.

viii) The payable/receivable of "Deviation Charge " in respect of Inter-Regional exchanges are settled on first charge basis without any adjustment.

ix) As informed by ERLDC OPGC (2*660 MW), new Pool Member of ER, has started drawing power from 15.01.18.

x) As informed by ERLDC NPGC(NTPC) became a regional entity and DSM pool member wef 10.05.18 as NPGC started drawing start up power wef 10.05.18

xi) As informed by ERLDC DARLIPALI(NTPC) became a regional entity and DSM pool member wef 31.05.18.

xii) Dagachhu HEP has been considered as pure Run of River without pondage as per TPTCL letter dated 06.02.2019 for computation of ADC due to sign change violation.

xiii) As informed by ERLDC one unit of NPGC(1x660 MW) has been scheduled w.e.f. 06.09.2019

xiv) **As informed by ERLDC, BARH Stage-I starts drawing Start Up Power w.e.f. 01.02.2020.**

ERPC, KOLKATA
Day-wise schedule, actual and Deviation charge statement

DATE	BENEFICIARY	SCH. TOTAL IN MWH	ACTUAL DRAWAL/GEN TOTAL IN MWH	DEVIATION CHARGE IN Rs.	ADDITIONAL DEVIATION CHARGE(Block wise Volume Limit) IN Rs.	Page 3 of 3
						ADDITIONAL DEVIATION CHARGE(Sign Change Violation) IN Rs.
02-02-20	BSPHCL	-74,802.928	-74,010.565	14,16,137.96	-2,01,638.64	0.00
	JUVNL	-21,008.587	-20,591.971	5,22,320.81	-7,690.55	0.00
	DVC	31,167.917	30,756.520	-5,85,808.08	-33,804.73	0.00
	GRIDCO	866.947	175.790	17,76,858.11	-1,86,051.40	0.00
	SIKKIM	-1,634.009	-1,664.740	-74,423.22	-10,274.34	0.00
	WBSETCL	-26,551.175	-26,317.344	5,65,058.52	-64,267.58	0.00
	NER	-7,223.263	6,195.684	3,18,83,067.67	-7,32,859.28	-2,68,954.72
	NR	-53,271.334	-36,099.764	4,01,75,036.36	-10,50,205.20	-11,24,90,101.81
	SR	-42,724.000	-56,782.051	-3,84,03,424.85	-3,05,40,347.25	-1,11,708.50
	WR	39,516.987	26,514.989	-2,78,38,549.66	-2,41,60,371.74	-2,00,156.50
	FSTPP-I & II	25,785.039	25,794.977	-51,938.10	-2,394.23	0.00
	KHSTPP-I	16,124.077	16,106.530	1,25,818.06	0.00	0.00
	TSTPP	10,344.824	10,317.642	4,049.17	-170.67	0.00
	RANGIT	422.750	417.601	16,473.03	0.00	0.00
	KHSTPP-II	29,785.441	29,788.736	1,10,879.18	0.00	0.00
	FSTPP-III	9,361.731	9,496.208	3,05,766.42	0.00	0.00
	TEESTA	2,526.000	2,600.691	1,81,321.93	0.00	0.00
	MAITHON R/B	17,402.533	17,470.291	3,12,733.86	0.00	0.00
	BARH	0.000	-493.418	-9,66,883.272	0.00	0.00
	NVVN-NEPAL	-5,927.400	-6,058.480	-1,78,979.814	0.00	0.00
	APNRL	8,605.894	8,383.200	-2,47,576.735	0.00	0.00
	GMRKEL	11,743.867	11,445.818	-5,17,229.255	0.00	0.00
	JITPL	18,974.051	18,857.091	-1,65,009.00	0.00	0.00
	TPTCL	482.315	416.125	-1,25,380.31	0.00	0.00
	BRBCL	14,372.845	14,302.691	34,967.734	0.00	0.00
	TALCHER SOLAR	31.008	30.709	-2,826.88	0.00	0.00
	JORETHANG HEP	369.319	320.576	-48,883.36	0.00	0.00
	NPGC	0.000	-347.105	-6,77,338.32	0.00	0.00
	HVDC SASARAM	-22.970	-16.613	15,486.669	-326.89	0.00
	VAE	558.130	0.000	-17,98,924.217	0.00	0.00
	NVVN	-9,501.102	-9,526.691	-1,84,367.056	-3,05,727.08	0.00
	CHUZACHEN	249.433	259.728	25,440.156	0.00	0.00
	TUL	2,176.100	2,180.727	60,014.223	-2,351.48	0.00
	DIKCHU	0.000	-5.545	-9,867.835	0.00	0.00
	THEP	312.658	288.960	-44,039.831	0.00	0.00
	HVDC ALIPURDUAR	0.000	-10.962	-25,539.024	0.00	0.00
	BARH SGL_INFIRM	0.000	-116.330	-2,80,308.201	0.00	0.00
	MTPS-II	3,050.547	3,003.436	-78,952.807	0.00	0.00
	NPGC_INFIRM	0.000	-141.077	-3,38,101.979	0.00	0.00
	DARLIPALI_INFIRM	0.000	-329.506	-7,82,864.328	0.00	0.00

SUMMARY OF WEEKLY DEVIATION CHARGES

	UTILITY	SCHEDULE(MWH)	ACTUAL(MWH)	DEVIATION CHARGE (IN RS)	ADDITIONAL DEVIATION CHARGE(Block wise Volume Limit) (IN RS)	ADDITIONAL DEVIATION CHARGE(Sign Change Violation) (IN RS)
FOR THE WEEK 27/01/20 TO 02-02-20	BSPHCL	-5,36,456.03	-5,36,852.12	-69,39,581.95	-24,33,162.33	-30,906.53
	JUVNL	-1,29,782.97	-1,33,444.00	-1,34,90,360.03	-4,67,595.74	-84,852.79
	DVC	2,49,858.99	2,49,344.55	-12,28,482.83	-7,59,886.66	0.00
	GRIDCO	-37,777.85	-33,203.76	65,90,694.98	-21,02,631.44	0.00
	SIKKIM	-12,477.35	-13,076.97	-20,65,657.39	-54,652.86	0.00
	WBSETCL	-1,89,762.64	-1,87,808.95	66,76,428.73	-8,76,058.66	-41,055.90
	NER	-50,655.05	25,096.90	22,28,40,494.00	0.00	0.00
	NR	-4,52,952.02	-3,87,117.65	19,88,00,124.00	0.00	0.00
	SR	-3,70,745.21	-4,40,099.13	-20,56,85,668.00	0.00	0.00
	WR	2,09,171.82	1,64,984.45	-13,61,21,156.00	0.00	0.00
	FSTPP-I & II	1,85,848.77	1,85,526.00	-9,97,948.11	-6,26,688.02	-4,897.63
	KHSTPP-I	1,16,521.70	1,16,557.70	3,16,952.53	-8,386.23	-2,916.68
	KHSTPP-II	2,11,210.72	2,10,340.64	-17,65,540.22	-10,321.39	0.00
	TSTPP	73,417.31	73,426.59	3,62,469.19	-428.55	0.00
	FSTPP-III	68,999.56	69,311.30	2,77,999.96	-6,09,891.85	0.00
	TEESTA	18,960.00	19,549.05	15,43,683.77	-54,227.73	0.00
	MAITHON R/B	1,39,185.30	1,39,584.00	16,45,170.50	-18,935.91	0.00
	RANGIT	3,013.25	3,041.48	89,372.31	-3,407.38	0.00
	BARH	47,898.34	45,651.38	-56,44,439.88	-8,21,364.14	0.00
	NVVN-NEPAL	-41,521.44	-42,211.98	-19,99,401.00	-20,776.10	0.00
	APNRL	60,276.31	59,649.16	-9,45,762.22	-1,899.57	0.00
	GMRKEL	88,795.32	86,905.96	-42,71,579.32	-1,030.52	0.00
	JITPL	1,38,908.88	1,37,735.93	-28,35,103.71	-38,738.17	0.00
	TPTCL	3,979.10	2,995.25	-24,05,871.32	-20,263.62	0.00
	BRBCL	1,04,354.29	1,04,579.71	6,63,092.14	-18,102.81	-8,314.64
	TALCHER SOLAR	263.77	253.14	-1,01,080.00	0.00	0.00
	JORETHANG HEP	2,599.66	2,399.20	-2,77,907.94	-96.97	0.00
	NPGC	70,067.76	69,562.49	-6,41,042.54	-76.86	0.00
	HVDC SASARAM	-164.45	-116.14	1,45,196.00	-326.89	0.00
	VAE	3,240.49	0.00	-91,51,438.50	0.00	0.00
	NVVN-BD	-55,316.32	-55,437.82	-26,88,567.00	-20,54,537.96	0.00
	CHUZACHEN	1,852.31	1,854.39	-23,464.84	-1,171.82	0.00
	TUL	33,005.90	32,737.24	-3,39,387.84	-1,08,873.29	0.00
	DIKCHU	964.65	993.91	91,499.52	-2,623.09	0.00
	THEP	2,140.96	2,098.85	-32,627.10	0.00	0.00
	HVDC ALIPURDUAR	-50.34	-79.28	-73,655.00	0.00	0.00
	BARH SGL_INFIRM	0.00	-128.04	-3,02,587.89	0.00	0.00
	MTPS-II	42,103.52	41,645.23	-10,97,849.59	-54,794.45	0.00
	NPGC_INFIRM	0.00	-1,335.51	-40,84,817.31	0.00	0.00
	DARLIPALI_INFIRM	0.00	6,684.01	74,88,902.20	0.00	0.00

LEGEND: Energy:(+ve) means injection, (-ve) means drawal
Deviation Charge: (+ve) means receivable, (-ve) means payable

(+) means under drawal/ over injection
(-) means vice-versa

Format -AS7: RRAS Settlement Account by ERPC

Date: 19/02/2020

RRAS Account for Week: 27-Jan-20 to 02-Feb-20

A. Payments to the RRAS Provider(s) from the DSM pool for UP Regulation

Sr.No	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	FSTPP I & II	297.89200	244868	750987	148945	1144800
2	FSTPP-III	0.00000	0	0	0	0
3	KHSTPP-I	158.93000	166081	359817	79465	605364
4	KHSTPP-II	257.28200	279407	552385	128641	960435
5	TSTPP-I	39.76800	38018	78223	19884	136124
6	BARH	52.03500	95484	148404	26018	269905
7	BRBCL	1622.67200	4056681	3764598	811335	8632618
8	MTPS-II	0.00000	0	0	0	0
9	NPGC	40.84800	104978	86801	20424	212203
	Total	2469.42700	4985517	5741215	1234712	11961449

B. Payments by the RRAS Provider(s) to the DSM pool for DOWN Regulation

Sr.No	RRAS Provider Name	Energy Scheduled to VAE under RRAS(MWh)	Total Variable charges for generation reduced(Rs) (A)	Variable charges to be paid to the DSM pool (B=75% of A)
1	BRBCL	712.13614	1652156	1239117
2	MTPS-II	100.26250	274820	206115
3	NPGC	120.00250	255005	191254
4	FSTPP I & II	980.00474	2470592	1852944
5	FSTPP-III	0.00000	0	0
6	KHSTPP-I	712.20855	1612440	1209330
7	KHSTPP-II	417.16684	895657	671743
8	TSTPP-I	170.67262	335713	251785
9	BARH	494.52370	1410382	1057786
	Total	3706.97758	8906765	6680073

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C.Reimbursement of Fixed Charges by RRAS Provider to the Original Beneficiaries

Sr.No	RRAS Provider Name	Energy Scheduled to VAE under RRAS(MWh)	Fixed Charges to be refunded (Rs)	To Beneficiary Name
1	FSTPP I & II	297.89200	13358	BSPHCL
			94429	GRIDCO
			26037	SIKKIM
			13185	ASSAM
			9036	DELHI
			25274	HARYANA
			1025	RAJASTHAN
			62524	UP
2	FSTPP-III	0.00000	0	-
3	KHSTPP-I	158.93000	35752	GRIDCO
			14028	SIKKIM
			19994	DELHI
			17987	HARYANA
			756	HVDC_PUSAULI
			1185	RAJASTHAN
			76379	UP
4	KHSTPP-II	257.28200	13102	GRIDCO
			2	CHATTISGARH
			10901	DELHI
			44752	GUJARAT
			14070	HP
			6739	PUNJAB
			2023	RAJASTHAN
			183116	UP
4702	UTTARAKHAND			
5	TSTPP-I	39.76800	38018	GRIDCO
6	BARH	52.03500	987	HVDC_APD
			82270	BSPHCL
			12227	JUVNL
7	BRBCL	1622.67200	175066	DVC_RAILWAYS
			164597	AHARASHTRA RAILWAYS
			1334784	MP RAILWAYS
			1512451	RAILWAYS
			4135	DELHI
			261240	HARYANA
			112426	PUNJAB
491982	RAJASTHAN			
8	MTPS-II	0.00000	0	-
9	NPGC	40.84800	104978	UP
	Total	2469.42700	4985517	

A) RRAS settlement account for the week 27-Jan-20 to 02-Feb-20 has been prepared as per the detailed procedure for Ancillary Services Operation as approved by CERC

B) Fixed Charges and Variable Charges for RRAS providers have been calculated as per the rates furnished by the respective RRAS providers in Format AS-1 and the same published in ERPC website as format AS-3.

C) Mark Up rate for Regulation Up service has been considered at 50paise/KWh as per CERC order on petition no 01/SM/2016 dated 29.02.2016

D) Quantum of Energy scheduled to/from VAE (Virtual Ancillary Entity) from/to concerned RRAS provider during Regulation Up/Regulation Down service has been considered as per the data furnished by ERLDC

E) For the purpose of refund of Fixed Charges during Regulation Up service, the total Fixed charges received by the RRAS provider from DSM Pool Account has been apportioned in the ratio of the quantum surrendered by the original beneficiaries.

This is as per Clause 13.6 of the Detailed Procedure for Ancillary Services Operation approved by CERC.

AGC Settlement Account by ERPC

Date:19/02/2020

AGC Account for Week: 27-Jan-20 to 02-Feb-20

Payments to the AGC Provider(s) from the DSM pool

Sr.No	AGC Provider Name	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	BARH	428.390625	359.071875	69.318750	197697	393731	591428

(+) means payable from DSM Pool to AGC provider

(-) means payable to DSM Pool by AGC provider

A) AGC settlement account for the week 27-Jan-20 to 02-Feb-20 has been prepared based on the CERC order in petition No.79/RC/2017, dated 06.12.2017.

B) The markup rate has been calculated at the rate of 50 Paise/Kwh for Up & Down regulation.

C) Variable Charges for AGC provider has been calculated as per the rate furnished by the respective RRAS providers in Format AS-I and the same published in ERPC website as format AS-3.