



सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
पूर्वी क्षेत्रीय विद्युत समिति
Eastern Regional Power Committee
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NO: ERPC/COM-II/ABT-DC/7639-7673

Date: 31.10.2019

To: As per List / संलग्न सूची के अनुसार

Sub: Statement of Deviation Charges including Additional Deviation Charges, RRAS, FRAS & AGC Settlement Account for the period from 30.09.2019 to 06.10.2019 and Deviation settlement of Bhutan Power for the Month of September'2019.

दिनांक -30.09.2019 से 06.10.2019 तक की अवधि हेतु अतिरिक्त विचलन प्रभार, आरआरएएस, एफआरएएस एवं एजीसी निपटान खाते सहित विचलन प्रभार का विवरण।

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.FRAS Settlement Account for the week has been prepared based on the CERC order in petition No.07/SM/2018/Suo-Motu, dated 16.07.2018. 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 आरआरएएस निपटान खाते को सीईआरसी द्वारा अनुमोदित एंसिलरी सर्विसेज ऑपरेशन के दिशानिर्देशों के विस्तृत प्रक्रिया के अनुसार तैयार किया गया है। इस सप्ताह के लिए एफआरएएस निपटान खाता को दिनांक-16.07.2018 के सीईआरसी के आदेश याचिका सं. 07/एसएम/2018/Suo-Motu के आधार पर 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 15.10.2019.

दिनांक -15.10.2019 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.

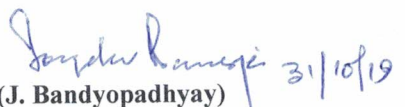
आरआरएएस/एजीसी प्रदाताओं द्वारा डीआरएम पूल से भुगतान / प्राप्ति में देरी की स्थिति में, जारी करने की तारीख से 12 से 17 दिनों के बाद, आरआरएएस/एजीसी प्रदाता विलंब के प्रत्येक दिन के लिए डीएसएम पूल खाता@ 0.04% का साधारण ब्याज भुगतान / प्राप्त करेंगे।

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,


(J. Bandyopadhyay)

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 Seikh 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, Loknaya 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
ABT Based Deviation Charge Account
KOLKATA
For the period 30.09.19 TO 06.10.19
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	21.68269		76.22025	1.69919		56.23675
JUVNL		20.31947	6.69129	0.71457		27.72532
DVC		448.28187	262.18116	2.76979		713.23282
GRIDCO						*Not Calculated
SIKKIM	2.49626		1.10997	0.00000	1.38629	
WBSETCL		4.61357	11.55940	0.33251		16.50548
HVDC SASARAM		0.44983	0.02361	0.00000		0.47344
HVDC ALIPURDUAR	0.63487		0.00990	0.00000	0.62497	
CERC REGULATED GENERATORS (CGS/ISGS)						
FSTPP-I & II		53.61001	9.87714	0.14182		63.62897
FSTPP-III		31.36881	13.88398	0.02716		45.27995
KHSTPP-I	25.20264		0.00000	0.00000	25.20264	
KHSTPP-II		22.78953	0.58142	0.02192		23.39287
TSTPP		0.50728	0.26912	0.00000		0.77640
BARH		11.17173	0.22042	0.02810		11.42026
MTPS-II		24.16975	0.11485	0.01684		24.30144
BRBCL	9.42698		0.81929	0.03512	8.57257	
TEESTA	58.06831		0.02303	0.00000	58.04528	
RANGIT		0.25718	0.05553	0.00000		0.31271
MAITHON R/B	4.94041		0.57140	0.00000	4.36901	
NPGC	2.50060		0.35329	0.00000	2.14731	
OTHER GENERATORS						
APNRL		59.86306	0.08782	0.01389		59.96477
GMRKEL		7.52584	0.10138	0.00000		7.62722
JITPL	6.47756		1.46534	0.00000	5.01222	
CHUZACHEN		0.41174	0.03776	0.03157		0.48106
DIKCHU		0.57299	0.00000	0.00000		0.57299
JORETHANG HEP		14.76437	0.21981	0.00000		14.98418
THEP	13.79489		0.11339	0.00000	13.68150	
TUL		8.86012	0.00000	0.01774		8.87785
INTER- REGIONAL						
NER		2326.37649				2326.37649
NR		1984.22347				1984.22347
SR		1286.83696				1286.83696
WR	6575.89411				6575.89411	
INTER- NATIONAL						
NVVN-BD		3.43704	8.70535	0.00000		12.14239
NVVN-NEPAL		9.60209	1.25092	0.00000		10.85301
TPTCL		29.45171	0.28184			29.73355
INFIRM GENERATORS						
OPGC_INFIRM						*Not Calculated
NPGC_INFIRM		14.61583				14.61583
DARLIPALI_INFIRM	22.68889				22.68889	
SOLAR GENERATORS						
TALCHER SOLAR		1.20581				1.20581
TOTAL	6743.80822	6365.28656	396.82866	5.85023	6717.62479	6741.78201

(All figures in Rs. Lakhs)

Payable to the pool(A):	6365.28656
Receivable from the pool(B):	6743.80822
Differential Amount Arising from capping of Generating Stations(A-B)	-378.52166
Additional Deviation Amount:	402.67889

* DSM Accounting of GRIDCO & OPGC has been suspended due to ongoing issue of closing of bus sectionalizer breakers by OPGC Ltd. between U#3 & U#4

on 27.08.2019. ERLDC has raised objections and subsequently filed a petition before CERC on the issue. Hence, pending the decision of the competent authority,

DSM accounting of GRIDCO & OPGC has been suspended.

EASTERN REGIONAL ELECTRICITY COMMITTEE
KOLKATA

Settlement of Deviation of Bhutan Power from Schedule for the month of SEPTEMBER'2019

Generators	SCH(MWH)	ACT(MWH)	DEV(MWH)	DEV CHARGE(Rs.)
CHUKKA HEP	166843.175	276331.409	109488.234	279194997
KURICHHU HEP	30204.690	15380.910	-14823.780	-31426414
TALA HEP	705249.755	578780.980	-126468.775	-268113803
MANGDECHHU HEP	344079.165	334151.730	-9927.435	-40901032

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	827.25478	0	0.00000	25.50	-683.69020	36.87	-150.80211	-7.23753
JUVNL	10.74	299.85543	0	0.00000	11.46	-307.25842	0.00	0.00000	-7.40299
DVC	10.37	289.52521	50	-157.13207	5.54	-148.53505	0.00	0.00000	-16.14190
GRIDCO	15.19	424.09720	0	0.00000	4.25	-113.94837	10.97	-44.86843	265.28040
SIKKIM	2.22	61.98129	0	0.00000	0.00	0.00000	0.00	0.00000	61.98129
WBSETCL	31.85	889.23606	50	-157.13207	38.25	-1025.53530	32.14	-131.45592	-424.88722
NR(THPC)	0.00	0.00000	0.00	0.00000	15	-402.17070	0.00	0.00000	-402.17070
NER(MHEP)	0.00	0.00000	0.00	0.00000	0.00	0.00000	20.02	-81.88387	-81.88387
TOTAL	100.00	2791.94997	100.00	-314.26414	100.00	-2681.13803	100.00	-409.01032	-612.46252

(+) Means receivable from ER DSM pool

(-) Means Payable to ER DSM Pool

EASTERN REGIONAL ELECTRICITY COMMITTEE

KOLKATA

Settlement of Deviation of Bhutan Power from Schedule for the month of SEPTEMBER'2019

CONSTITUENTS	NR(TALA HEP)		Adjusted DEV Charge For THPC(Rs in Lakhs)
	SHARE(%)	DEV CHARGES (Rs in Lakhs)	
UTTAR PRADESH	4.41	-118.23819	-118.23819
RAJASTAN	1.47	-39.41273	-39.41273
J & K	1.77	-47.45614	-47.45614
HARYANA	1.47	-39.41273	-39.41273
PUNJAB	2.94	-78.82546	-78.82546
DELHI	2.94	-78.82546	-78.82546
TOTAL	15.00	-402.17070	-402.17070

(+) 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	-81.88387	-81.88387
TOTAL	20.02	-81.88387	-81.88387

(+) 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-1/132/2

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.

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

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.
06-10-19	BSPHCL	-95,646.770	-91,821.686	58,24,389.10	0.00	-25,155.47
	JUVNL	-15,950.663	-15,008.006	23,00,798.69	-1,13,876.46	-17,257.82
	DVC	10,858.132	9,685.849	-25,31,858.10	-7,06,613.06	-3,263.36
	SIKKIM	-1,184.667	-1,005.233	4,28,111.57	0.00	0.00
	WBSETCL	-36,116.458	-36,997.736	-16,24,469.13	-75,023.33	-10,682.55
	NER	8,528.246	-3,414.825	-2,91,83,044.20	-2,46,35,752.16	-1,78,314.96
	NR	-54,484.727	-60,486.941	-1,69,93,527.40	-1,73,25,447.46	-4,41,83,171.25
	SR	-50,187.914	-49,317.565	12,03,418.38	-1,28,00,206.54	-3,50,353.54
	WR	16,386.629	35,324.596	4,56,20,353.92	-69,28,871.99	-3,79,884.01
	FSTPP-I & II	19,507.377	19,382.697	-3,29,088.35	0.00	0.00
	KHSTPP-I	15,357.378	15,499.234	4,43,788.31	0.00	0.00
	TSTPP	15,626.980	15,621.260	1,48,623.77	0.00	0.00
	RANGIT	1,440.000	1,457.002	37,251.95	0.00	0.00
	KHSTPP-II	30,870.916	30,462.233	-5,30,858.28	-11,267.75	-2,191.96
	FSTPP-III	7,679.503	7,677.629	21,547.46	0.00	0.00
	TEESTA	11,778.000	12,152.327	9,38,168.47	0.00	0.00
	MAITHON R/B	16,609.690	16,746.218	3,89,814.92	0.00	0.00
	BARH	19,352.598	19,257.927	-20,636.587	0.00	0.00
	NVVN-NEPAL	0.000	130.848	3,27,123.125	0.00	0.00
	APNRL	5,842.541	5,654.691	-3,37,346.238	0.00	0.00
	GMRKEL	0.000	-55.854	-1,19,845.320	0.00	0.00
	JITPL	11,399.790	11,430.618	83,244.91	0.00	0.00
	TPCL	2,456.605	2,028.788	-9,25,561.14	0.00	0.00
	BRCL	14,204.341	14,291.782	2,59,038.543	0.00	-1,148.47
	TALCHER SOLAR	30.755	20.981	-96,738.33	0.00	0.00
	JORETHANG HEP	2,503.096	2,409.632	-1,96,592.96	0.00	0.00
	NPGC	12,458.015	12,521.462	1,70,313.50	0.00	0.00
	HVDC SASARAM	-18.536	-18.597	-262.192	0.00	0.00
	VAE	249.980	0.000	-11,45,477.596	0.00	0.00
	NVVN	-22,022.663	-21,966.545	1,58,073.992	0.00	0.00
	CHUZACHEN	2,266.230	2,247.371	-11,323.418	0.00	0.00
	TUL	20,467.938	19,934.327	-4,35,148.560	0.00	0.00
	DIKCHU	2,498.989	2,191.182	-6,05,434.691	0.00	0.00
	THEP	2,529.717	2,590.944	1,21,845.779	0.00	0.00
	HVDC ALIPURDUAR	-28.437	-24.069	10,871.453	0.00	0.00
	MTPS-II	5,398.671	5,322.744	-1,21,190.799	0.00	0.00
	NPGC_INFIRM	0.000	-56.974	-1,37,701.904	0.00	0.00
	DARLIPALI_INFIRM	0.000	-154.530	-3,77,853.937	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 30/09/19 TO 06-10-19	BSPHCL	-5,63,038.93	-5,49,427.56	21,68,268.94	-76,22,024.88	-1,69,919.40
	JUVNL	-1,03,011.37	-1,02,239.12	-20,31,947.35	-6,69,128.88	-71,456.53
	DVC	54,195.30	36,549.64	-4,48,28,187.13	-2,62,18,115.69	-2,76,978.89
	SIKKIM	-8,933.56	-8,776.23	2,49,625.51	-1,10,996.86	0.00
	WBSETCL	-3,01,683.22	-3,04,569.08	-4,61,357.03	-11,55,939.65	-33,251.27
	NER	54,987.23	-42,344.44	-23,26,37,649.00	0.00	0.00
	NR	-3,57,246.69	-4,38,138.50	-19,84,22,347.00	0.00	0.00
	SR	-2,41,547.03	-2,97,962.40	-12,86,83,696.00	0.00	0.00
	WR	17,271.97	2,91,969.72	65,75,89,411.00	0.00	0.00
	FSTPP-I & II	91,677.70	89,171.68	-53,61,001.24	-9,87,713.73	-14,182.29
	KHSTPP-I	77,633.84	78,665.43	25,20,264.06	0.00	0.00
	KHSTPP-II	1,52,200.75	1,50,644.70	-22,78,953.32	-58,141.93	-2,191.96
	TSTPP	98,179.30	97,807.88	-50,728.24	-26,911.66	0.00
	FSTPP-III	40,969.77	39,411.13	-31,36,880.66	-13,88,397.91	-2,716.23
	TEESTA	84,714.00	87,118.43	58,06,831.41	-2,303.14	0.00
	MAITHON R/B	1,08,523.71	1,08,667.93	4,94,041.06	-57,140.36	0.00
	RANGIT	9,700.50	9,693.05	-25,717.65	-5,552.90	0.00
	BARH	1,47,496.75	1,45,677.85	-11,17,172.92	-22,042.32	-2,810.46
	NVVN-NEPAL	-4,067.56	-3,968.86	-9,60,209.00	-1,25,092.25	0.00
	APNRL	40,770.39	37,254.33	-59,86,306.02	-8,781.73	-1,389.37
	GMRKEL	0.00	-371.34	-7,52,584.40	-10,138.05	0.00
	JITPL	77,199.79	77,450.54	6,47,756.22	-1,46,534.32	0.00
	TPCL	18,658.96	17,195.05	-29,45,171.37	-28,183.67	0.00
	BRCL	87,115.44	87,566.83	9,42,697.73	-81,929.24	-3,511.91
	TALCHER SOLAR	255.76	244.50	-1,20,581.00	0.00	0.00
	JORETHANG HEP	17,444.37	16,686.43	-14,76,437.25	-21,981.02	0.00
	NPGC	87,740.22	87,784.04	2,50,060.11	-35,329.05	0.00
	HVDC SASARAM	-109.13	-128.12	-44,983.00	-2,360.83	0.00
	VAE	-5,323.06	0.00	87,13,118.50	0.00	0.00
	NVVN-BD	-1,34,984.32	-1,34,441.45	-3,43,704.00	-8,70,535.24	0.00
	CHUZACHEN	17,491.50	17,459.15	-41,173.55	-3,775.60	-3,157.24
	TUL	1,68,300.07	1,65,374.69	-8,86,011.64	0.00	-1,773.64
	DIKCHU	17,488.07	17,332.18	-57,299.05	0.00	0.00
THEP	17,708.02	18,348.96	13,79,489.21	-11,339.35	0.00	
HVDC ALIPURDUAR	-152.53	-166.79	63,487.00	-990.09	0.00	
MTPS-II	42,247.63	41,013.85	-24,16,975.35	-11,485.46	-1,683.69	
NPGC_INFIRM	0.00	-616.05	-14,61,583.13	0.00	0.00	
DARLIPALI_INFIRM	0.00	3,296.04	22,68,889.45	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: 31/10/2019

RRAS Account for Week: 30-Sep-19 to 06-Oct-19

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	841.97800	703051	1965173	420988	3089216
2	FSTPP-III	0.00000	0	0	0	0
3	KHSTPP-I	764.06200	811436	1690871	382032	2884335
4	KHSTPP-II	1036.48500	1141169	2175583	518244	3834995
5	TSTPP-I	468.48000	456300	1022223	234240	1712762
6	BARH	362.91500	678651	894586	181457	1754695
7	BRBCL	2039.15700	4883781	4547321	1019578	10450682
8	MTPS-II	884.64200	2418613	2437191	442321	5298123
9	NPGC	295.04200	891913	680368	147522	1719803
	Total	6692.76100	11984914	15413316	3346382	30744611

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	425.52250	948915	711686
2	MTPS-II	492.33128	1356373	1017280
3	NPGC	211.89600	488632	366474
4	FSTPP I & II	419.68285	979540	734655
5	FSTPP-III	0.00000	0	0
6	KHSTPP-I	127.94250	283137	212353
7	KHSTPP-II	13.73000	28819	21614
8	TSTPP-I	272.57250	594753	446065
9	BARH	426.60500	1051581	788686
	Total	2390.28263	5731750	4298813

EASTERN REGIONAL POWER COMMITTEE
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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	841.97800	153315	BSPHCL
			10399	JUVNL
			246495	GRIDCO
			49734	SIKKIM
			162232	WBSETCL
			2051	TS_TRANSCO
			5344	WB SOLAR
			6226	ASSAM
			11711	DELHI
			6928	HARYANA
			6735	J & K
			12067	RAJASTHAN
			29814	UP
2	FSTPP-III	0.00000	0	-
3	KHSTPP-I	764.06200	15546	BSPHCL
			7115	JUVNL
			277752	GRIDCO
			36380	SIKKIM
			25258	WBSETCL
			593	TS_TRANSCO
			3825	WB SOLAR
			5610	ASSAM
			59989	DELHI
			80367	HARYANA
			657	HVDC_PUSAULI
			65357	J & K
			73029	RAJASTHAN
159958	UP			
4	KHSTPP-II	1036.48500	4690	JUVNL
			16755	GRIDCO
			5744	SIKKIM
			1059	TS_TRANSCO
			4668	WB SOLAR
			19215	ASSAM
			3960	CHATTISGARH
			110416	DELHI
			12656	GUJARAT
			129503	HARYANA
			41723	HP
			32968	J & K
			91419	MAHARASHTRA
			157427	MP
			31687	PUNJAB
205700	RAJASTHAN			
209026	UP			
62553	UTTARAKHAND			
5	TSTPP-I	468.48000	18404	BSPHCL
			1044	JUVNL
			421030	GRIDCO
			5571	SIKKIM
			9078	WBSETCL
			267	TS_TRANSCO
906	WB SOLAR			

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6	BARH	362.91500	7850	HVDC_APD
			527418	BSPHCL
			54402	JUVNL
			86759	SIKKIM
			2222	TS_TRANSCO
7	BRBCL	2039.15700	44386	BSPHCL
			1338302	BIHAR_RAILWAYS
			56460	DVC_RAILWAYS
			162933	MAHARASHTRA RAILWAYS
			63936	MP RAILWAYS
			1484305	RAILWAYS
			70295	HARYANA RAILWAY
			1028227	PUNJAB RAILWAY
			293779	RAJASTHAN RAILWAY
8	MTPS-II	884.64200	908311	BSPHCL
			431	JUVNL
			786607	GRIDCO
			720853	WBSETCL
			2411	TS_TRANSCO
9	NPGC	295.04200	850483	BSPHCL
			2658	JUVNL
			38772	SIKKIM
Total		6692.76100	11984914	

A) RRAS settlement account for the week 30-Sep-19 to 06-Oct-19 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-I 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.

F) RRAS Account in respect of MPL has not been prepared due to non availability data in required format.

FRAS Settlement Account by ERPC

Date: 31/10/2019

FRAS Account for Week: 30-Sep-19 to 06-Oct-19

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

Sr.No	FRAS Provider Name	FRAS UP Eup(MWH)	FRAS DOWN Edown(MWH)	Mileage Em(MWH)	Incentive as per CERC Order(Rs)	Total Charges (Rs)
1	TEESTA-V	0.00	0.00	0.00	0	0
2	RANGIT	0.00	0.00	0.00	0	0

- A) FRAS settlement account for the week 30-Sep-19 to 06-Oct-19 has been prepared based on the CERC order in petition No.07/SM/2018/Suo-Motu, dated 16.07.2018.
- B) The incentive has been calculated at the rate of 10 Paise/Kwh for mileage Energy.

AGC Settlement Account by ERPC

Date:31/10/2019

AGC Account for Week: 30-Sep-19 to 06-Oct-19

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	1153.359375	1988.203125	-834.843750	-2057890	1570781	-487109

(+) means payable from DSM Pool to AGC provider

(-) means payable to DSM Pool by AGC provider

A) AGC settlement account for the week 30-Sep-19 to 06-Oct-19 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.