



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
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NO: ERPC/COM-II/ABT-DC/5288-5322

Date: 30.08.2019

To

As per List / संलग्न सूची के अनुसार

Sub: Statement of Deviation Charges including Additional Deviation Charges, RRAS & FRAS Settlement Account for the period from 05.08.2019 to 11.08.2019.

दिनांक -05.08.2019 से 11.08.2019 तक की अवधि हेतु अतिरिक्त विचलन प्रभार, आरआरएएस एवं एफआरएएस 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.

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।

The last installment of data for the subjected week has been received from ERLDC on 22.08.2019.

दिनांक -22.08.2019 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 providers beyond 12/17 days of the issuance date, the RRAS providers shall pay to/receive from the DSM Pool Account simple interest @0.04 % for each day of delay.

आरआरएएस प्रदाताओं द्वारा डीआरएम पूल से भुगतान / प्राप्ति में देरी की स्थिति में, जारी करने की तारीख से 12 से 17 दिनों के बाद, आरआरएएस 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,


30/8/19
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, 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
KOLKATA
ABT based Deviation Charge Account
For the period 05.08.19 TO 11.08.19
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		352.01002	121.77852	1.51868		475.30722
JUVNL		78.79186	18.14792	0.56703		97.50681
DVC	195.03907		8.68303	0.94610	185.40994	
GRIDCO		785.64442	299.81238	2.50563		1087.96244
SIKKIM	13.54142		2.01549	0.00000	11.52593	
WBSETCL		609.75233	164.60452	4.38438		778.74123
HVDC SASARAM		0.51608	0.02728	0.00000		0.54336
HVDC ALIPURDUAR	0.85136		0.08232	0.00000	0.76904	
CERC REGULATED GENERATORS (CGS/ISGS)						
FSTPP-I & II		172.21590	21.12017	0.74264		194.07871
FSTPP-III	0.00000	3.24645	3.72474	0.03636		3.76110
KHSTPP-I	21.01706		1.25335	0.00000	19.76372	
KHSTPP-II		45.99296	10.06899	0.03718		56.09913
TSTPP		34.65693	1.50657	0.00000		36.16350
BARH		11.94358	0.95738	0.00000		12.90096
MTPS-II		9.64752	0.47176	0.00000		10.11927
BRBCL	5.48191		4.74988	0.14211	0.58993	
TEESTA	9.85432		0.07921	0.00000	9.77511	
RANGIT		1.50686	0.17769	0.00000		1.68455
MAITHON R/B	29.95613		0.56390	0.00507	29.38716	
OTHER GENERATORS						
APNRL		19.60735	0.11326	0.00000		19.72061
GMRKEL		43.80500	1.06841	0.00000		44.87341
JITPL	2.85205		0.27843	0.00000	2.57362	
CHUZACHEN		4.64237	3.84313	0.04422		8.52972
DIKCHU	15.80916		1.21032	0.01897	14.57987	
JORETHANG HEP		36.88465	8.38915	0.14909		45.42289
THEP		13.74449	7.88863	0.19584		21.82896
TUL	20.03893		0.30166	0.00000	19.73727	
INTER- REGIONAL						
NER		3278.54852				3278.54852
NR	1696.13828				1696.13828	
SR		3127.06156				3127.06156
WR	4335.31063				4335.31063	
INTER- NATIONAL						
NVVN-BD		13.69174	6.08285	0.00000		19.77459
NVVN-NEPAL		31.38938	3.83435	0.00457		35.22830
TPTCL		37.98659	1.62729			39.61388
INFIRM GENERATORS						
OPGC_INFIRM	549.92235				549.92235	
NPGC_INFIRM		42.50219				42.50219
DARLIPALI_INFIRM		10.68918				10.68918
SOLAR GENERATORS						
TALCHER SOLAR	1.30988				1.30988	
TOTAL	6897.12256	8766.47792	694.46258	11.29787	6876.79272	9448.66208

(All figures in Rs. Lakhs)

Payable to the pool(A):		8766.47792
Receivable from the pool(B):		6897.12256
Differential Amount Arising from capping of Generating Stations(A-B)		1869.35537
Additional Deviation Amount:		705.76045
VAE of Eastern Region:		-317.63264

**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 $f \geq 50.05\text{ Hz}$.

vii) CHPC, KHPC and THPC are not covered under ABT. Hence Deviation energy (MWh) of these stations have been adjusted

by giving credits/debits to ER beneficiaries as per their shares from these stations.

viii) ER-NR tie schedule has been modified to the extent of 15% of deviation energy of TALA HEP (after incorporating ER transmission loss of % during the above week).

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

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

xi) 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

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

xiii) 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.

Format -AS7: RRAS Settlement Account by ERPC

Date: 30/08/2019

RRAS Account for Week: 05-Aug-19 to 11-Aug-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	52.97500	44233	114373	26487	185095
2	FSTPP-III	22.73700	34288	48226	11369	93883
3	KHSTPP-I	192.95200	204916	454596	96476	755988
4	KHSTPP-II	39.12500	43076	87405	19563	150043
5	TSTPP-I	0.00000	0	0	0	0
6	BARH	587.96000	1099485	1374063	293980	2767528
7	BRBCL	2455.87300	5881813	5299772	1227935	12409524
8	MTPS-II	308.87200	844457	941753	154437	1940646
	Total	3660.49400	8152268	8320188	1830247	18302707

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	1979.35613	4271451	3203588
2	MTPS-II	1028.18273	3134929	2351197
3	FSTPP I & II	3354.95605	7243350	5432513
4	FSTPP-III	57.00000	120897	90673
5	KHSTPP-I	3388.33941	7982928	5987196
6	KHSTPP-II	3737.77810	8350196	6262647
7	TSTPP-I	286.73373	551962	413972
8	BARH	3829.84277	8950343	6712757
	Total	17662.18892	40606056	30454542

EASTERN REGIONAL POWER COMMITTEE
KOLKATA-700 033

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	52.97500	25173	JUVNL
			10446	ASSAM
			2	DELHI
			3759	HARYANA
			4853	RAJASTHAN
2	FSTPP-III	22.73700	34288	JUVNL
3	KHSTPP-I	192.95200	162663	BSPHCL
			2918	SIKKIM
			13145	WBSETCL
			1990	WB SOLAR
			69	HVDC_PUSAULI
			4381	RAJASTHAN
			19750	UP
4	KHSTPP-II	39.12500	1250	DELHI
			2325	GUJARAT
			19762	HP
			1	MAHARASHTRA
			1759	RAJASTHAN
			17979	UTTARAKHAND
5	TSTPP-I	0.00000	0	-
6	BARH	587.96000	15237	HVDC_APD
			638963	BSPHCL
			395434	JUVNL
			49851	SIKKIM
7	BRBCL	2455.87300	68881	BSPHCL
			1744993	BIHAR_RAILWAYS
			98335	DVC_RAILWAYS
			871064	MAHARASHTRA RAILWAYS
			496816	MP RAILWAYS
			1943202	RAILWAYS
			247251	HARYANA_RAILWAYS
411271	UP_RAILWAYS			
8	MTPS-II	308.87200	569813	BSPHCL
			272523	GRIDCO
			2121	WBSETCL
	Total	3660.49400	8152268	

A) RRAS settlement account for the week 05-Aug-19 to 11-Aug-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: 30/08/2019

FRAS Account for Week: 05-Aug-19 to 11-Aug-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 05-Aug-19 to 11-Aug-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 Paisa/Kwh for mileage Energy.