



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



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NO: ERPC/COM-II/ABT-DC/10 372 -10,406

Date: 18.03.2019

To
As per List

Sub: Statement of Deviation Charges including Additional Deviation Charges, RRAS & FRAS Settlement Account for the period from 25.02.2019 to 03.03.2019.

Statement of Deviation charges for the week has been prepared as per CERC(DSM & Related matters) regulation,2014 & all amendments(including 4th Amendment regulation,2018 dated 20.11.2018)

RRAS Settlement Account for the week 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.

The data for the subjected week has been received from ERLDC on 15.03.2019.

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.

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.

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

Encl: As above

Yours faithfully,


(J. Bandyopadhyay)
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: Saraikeela, 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, Dongtich, 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 25.02.19 TO 03.03.19
AS PER 4TH AMENDMENT OF DSM, 2018 W.E.F. 01/01/2019

(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	2.43642		56.48077	101.30808		155.35244
JUVNL		58.18366	32.96846	133.24716		224.39929
DVC		84.06207	55.27900	48.89956		188.24063
GRIDCO		4.83646	22.85717	14.13510		41.82874
SIKKIM	8.37110		6.56748	34.91132		33.10770
WBSETCL	0.44974		111.83364	10.73198		122.11588
HVDC SASARAM	0.15200		0.03966	0.00921	0.10314	
HVDC ALIPURDUAR	0.03073		0.20714	1.28774		1.46415
CERC REGULATED GENERATORS (CGS/ISGS)						
FSTPP-I & II		32.68200	7.56410	7.22738		47.47348
FSTPP-III		0.26664	4.61730	1.91147		6.79541
KHSTPP-I		19.26205	1.90164	3.32026		24.48395
KHSTPP-II		13.61097	1.54502	1.19699		16.35299
TSTPP		9.20542	1.93362	2.19561		13.33464
BARH		29.86220	9.24436	35.10795		74.21451
MTPS-II		13.03703	2.66916	2.10924		17.81543
BRBCL		5.08675	4.00235	15.74017		24.82926
TEESTA	8.23941		2.77073	0.32069	5.14800	
RANGIT	0.44657		0.34146	0.54706		0.44195
MAITHON R/B	12.66980		2.08613	2.19640	8.38727	
OTHER GENERATORS						
APNRL		0.67300	0.59556	0.27054		1.53910
GMRKEL		43.79769	3.18374	3.37298		50.35440
JITPL		0.39452	1.04019	0.24390		1.67861
CHUZACHEN	0.20785		0.13669	1.30691		1.23575
DIKCHU		0.18129	0.15501	0.38416		0.72046
JORETHANG HEP	0.73341		0.07120	0.07832	0.58389	
THEP		2.76451	0.54847	0.88692		4.19990
TUL	1.99142		0.70251	0.45318	0.83572	
INTER- REGIONAL						
NER	2794.27396				2794.27396	
NR		4048.31754				4048.31754
SR		227.15734				227.15734
WR	3233.88774				3233.88774	
INTER- NATIONAL						
NVVN-BD	13.70056		29.50830	71.07834		86.88609
NVVN-NEPAL	17.40949		4.81679	20.64742		8.05473
TPTCL	1.22106		0.74738		0.47369	
INFIRM GENERATORS						
OPGC_INFIRM		25.94405				25.94405
NPGC_INFIRM		37.57835				37.57835
DARLIPALI_INFIRM		5.99081				5.99081
BRBCL U-III INFIRM		2.40769				2.40769
SOLAR GENERATORS						
TALCHER SOLAR		1.42365				1.42365
TOTAL	6096.22126	4666.72568	366.41506	515.12604	6043.69340	5495.73892

(All figures in Rs. Lakhs)

Payable to the pool(A):		4666.72568
Receivable from the pool(B):		6096.22126
Differential Amount Arising from capping of Generating Stations(A-B)		-1429.49558
Additional Deviation Amount:		881.54110
VAE of Eastern Region:		-1459.28859

**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 and 4th Amendment order dated 20.11.2018 have also been incorporated.

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

v) For computing cap rate of CERC regulated generators, ECR data from AS-1/AS-3 format has been used as per clarification of NLDC vide letter no. POSOCO/NLDC/2018/381

dated 31.12.2018

vi) The Cap rate for all other generators has been fixed at 303.04 paisa/kwh as per DSM 4th amendment'2018

vii) 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 $f \geq 50.05\text{Hz}$.

viii) 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.

ix) 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).

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

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

xii) 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

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

xiv) As informed by ERLDC BRBCL Unit-3 started drawl of Start up power wef 14.09.2018.

xv) 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: 18/03/2019

RRAS Account for Week: 25-Feb-19 to 03-Mar-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	0.00000	0	0	0	0
2	FSTPP-III	0.00000	0	0	0	0
3	KHSTPP-I	141.86200	151085	307415	70931	529430
4	KHSTPP-II	42.37900	46533	87767	21189	155490
5	TSTPP-I	3.76000	3625	6516	1880	12021
6	BARH	0.00000	0	0	0	0
7	BRBCL	4.12700	10013	7540	2063	19615
8	MTPS-II	12.13800	28511	33549	6069	68128
	Total	204.26600	239767	442787	102132	784684

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	2628.81965	4802854	3602140
2	MTPS-II	4023.39635	11120668	8340501
3	FSTPP I & II	14404.25069	35924201	26943151
4	FSTPP-III	3853.86475	9661639	7246229
5	KHSTPP-I	7892.87284	17103855	12827892
6	KHSTPP-II	5934.92534	12291230	9218423
7	TSTPP-I	1819.73132	3153594	2365196
8	BARH	4216.81008	9348668	7011501
	Total	44774.67103	103406709	77555032

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	0.00000	0	-
2	FSTPP-III	0.00000	0	-
3	KHSTPP-I	141.86200	12070	SIKKIM
			20237	DELHI
			23674	HARYANA
			409	HVDC_PUSAULI
			23674	RAJASTHAN
			71021	UP
4	KHSTPP-II	42.37900	1583	DELHI
			5381	GUJARAT
			4666	HARYANA
			5111	MAHARASHTRA
			1371	MP
			2230	PUNJAB
			7243	RAJASTHAN
			17043	UP
1905	UTTARAKHAND			
5	TSTPP-I	3.76000	3625	DVC
6	BARH	0.00000	0	-
7	BRBCL	4.12700	142	BIHAR_RAILWAYS
			213	DVC_RAILWAYS
			632	MAHARASHTRA RAILWAYS
			142	MP RAILWAYS
			189	RAILWAYS
			8695	UP
8	MTPS-II	12.13800	15304	BSPHCL
			1040	DVC
			5712	GRIDCO
			6455	WBSETCL
	Total	204.26600	239767	

A) RRAS settlement account for the week 25-Feb-19 to 03-Mar-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.

FRAS Settlement Account by ERPC

Date: 18/03/2019

FRAS Account for Week: 25-Feb-19 to 03-Mar-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	13.50	142.25	155.75	15575	15575
2	RANGIT	0	0	0	0	0

A) FRAS settlement account for the week 25-Feb-18 to 03-Mar-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.