



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/ 4419-4453

Date: 02.08.2019

To
As per List

Sub: Statement of Deviation Charges including Additional Deviation Charges & RRAS Settlement Account for the period from 17.06.2019 to 23.06.2019(Revision-I).

Ref: 1. DSM, RRAS, FRAS & SCED A/c issued vide letter no.ERPC/COM-II/ABT-DC/3596-3630 dated 12.07.2019
2. RRAS A/c issued vide letter no. ERPC/COM-II/ABT-DC/3934-68 dated 23.07.2019.

Sir,

Revised Statement of Deviation charges(Rev-I) 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).

Revised RRAS Settlement Account(Rev-I) for the weeks has been prepared as per the guidelines of Detailed Procedure for Ancillary Services Operation approved by CERC.

The above revision was made due to revision of schedule for subjected week by ERLDC. Affected parties are BSPHCL, GRIDCO, SIKKIM, FSTPP I&II, BARH, BRBCL, MTPS-II, VAE, NER, NR, SR & WR.

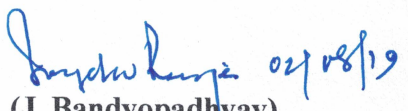
The affected constituents, who have to pay the Deviation Charges as indicated in the statement, are requested to make the payment to the Deviation Pool account operated by ERLDC within 10 days of the billing date. In case of delayed payments for Deviation charges against these bills beyond 12 days, the 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 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, 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, Bhubaneshwar- 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

Revision-I

KOLKATA
ABT based Deviation Charge Account
For the period 17.06.19 TO 23.06.19
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		369.38939	133.95661	2.85715		506.20315
JUVNL		159.57191	16.32470	0.55233		176.44894
DVC	149.10843		20.30843	0.17049	128.62951	
GRIDCO		452.1346	295.75369	2.64493		750.53322
SIKKIM		69.01140	9.50869	0.37690		78.89700
WBSETCL		218.59014	46.68115	1.72931		267.00060
HVDC SASARAM	0.40188		0.01512	0.00000	0.38676	
HVDC ALIPURDUAR		0.63850	0.09895	0.00000		0.73745
CERC REGULATED GENERATORS (CGS/ISGS)						
FSTPP-I & II		203.46234	7.69223	0.12712		211.28170
FSTPP-III	0.00000		0.00000	0.00000		
KHSTPP-I	30.38657		0.16993	0.03163	30.18501	
KHSTPP-II		34.20075	0.77589	0.00000		34.97664
TSTPP		13.40765	8.31005	0.00000		21.71770
BARH		11.78186	0.14448	0.00000		11.92634
MTPS-II		28.05772	4.07399	0.00000		32.13170
BRBCL		23.06643	6.47869	0.01931		29.56443
TEESTA	62.10303		0.00771	0.00000	62.09531	
RANGIT	1.88192		0.05029	0.00000	1.83162	
MAITHON R/B	10.21539		0.36104	0.00000	9.85435	
OTHER GENERATORS						
APNRL		25.36171	0.00625	0.00000		25.36795
GMRKEL		51.11188	0.44412	0.00000		51.55599
JITPL		17.57155	13.53515	0.00000		31.10671
CHUZACHEN	0.23407		1.00253	0.00000		0.76847
DIKCHU	11.47881		0.73005	0.00000	10.74876	
JORETHANG HEP		11.17762	0.18388	0.00000		11.36150
THEP		44.13457	1.16967	0.00000		45.30423
TUL		534.58481	432.81507	4.81808		972.21797
INTER- REGIONAL						
NER		2585.89302				2585.89302
NR		395.02007				395.02007
SR		3584.40975				3584.40975
WR	9056.22521				9056.22521	
INTER- NATIONAL						
NVVN-BD		36.19712	9.50322	0.00000		45.70034
NVVN-NEPAL	3.62349		2.50880	0.00000	1.11469	
TPTCL		116.32992	6.93614			123.26607
INFIRM GENERATORS						
OPGC_INFIRM	35.23567				35.23567	
NPGC_INFIRM	542.32401				542.32401	
DARLIPALI_INFIRM		10.59001				10.59001
SOLAR GENERATORS						
TALCHER SOLAR	1.14631				1.14631	
TOTAL	9904.36478	8995.69471	1019.54656	13.32724	9879.77722	10003.98096

(All figures in Rs. Lakhs)

Payable to the pool(A):		8995.69471
Receivable from the pool(B):		9904.36478
Differential Amount Arising from capping of Generating Stations(A-B)		-908.67007
Additional Deviation Amount:		1032.87381
VAE of Eastern Region:		539.46766

**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.

Revision-I

Format -AS7: RRAS Settlement Account by ERPC

Date: 02/08/2019

RRAS Account for Week: 17-Jun-19 to 23-Jun-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	3065.82800	2559966	7548068	1532913	11640949
2	FSTPP-III	0.00000	0	0	0	0
3	KHSTPP-I	2308.41000	2451532	5180073	1154206	8785808
4	KHSTPP-II	1580.41000	1740032	3363111	790203	5893348
5	TSTPP-I	669.92800	652509	1404168	334964	2391641
6	BARH	3344.95300	6255060	7572973	1672477	15500511
7	BRBCL	5396.30000	12924140	11823293	2698149	27445582
8	MTPS-II	1650.18000	4397731	4490140	825090	9712959
	Total	18016.00900	30980970	41381826	9008002	81370798

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	263.48105	577287	432965
2	MTPS-II	518.59636	1411101	1058326
3	FSTPP I & II	908.09299	2235725	1676794
4	FSTPP-III	0.00000	0	0
5	KHSTPP-I	340.49500	764071	573053
6	KHSTPP-II	125.18125	266386	199789
7	TSTPP-I	83.47000	174953	131215
8	BARH	881.21180	1995064	1496298
	Total	3120.52846	7424586	5568439

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	3065.82800	826610	BSPHCL
			771278	JUVNL
			603209	GRIDCO
			64772	SIKKIM
			119070	WBSETCL
			39927	TS_TRANSCO
			6986	WB SOLAR
			1082	ASSAM
			38235	DELHI
			13296	HARYANA
			1653	J & K
			60199	RAJASTHAN
			13649	UP
2	FSTPP-III	0.00000	0	-
3	KHSTPP-I	2308.41000	1127519	BSPHCL
			107300	JUVNL
			615469	GRIDCO
			49952	SIKKIM
			20962	TS_TRANSCO
			150385	DELHI
			15996	HARYANA
			1775	HVDC_PUSAULI
			23934	J & K
			156454	RAJASTHAN
			181786	UP
4	KHSTPP-II	1580.41000	132402	BSPHCL
			49659	JUVNL
			87720	GRIDCO
			8761	SIKKIM
			27916	TS_TRANSCO
			11520	ASSAM
			143813	CHATTISGARH
			367280	DELHI
			240706	GUJARAT
			15325	HARYANA
			17607	HP
			40115	J & K
			71	MAHARASHTRA
			44314	MP
			155808	PUNJAB
			270543	RAJASTHAN
79812	UP			
46660	UTTARAKHAND			
5	TSTPP-I	669.92800	519096	BSPHCL
			114126	JUVNL
			18262	GRIDCO
			1025	SIKKIM
6	BARH	3344.95300	61851	HVDC_APD
			4515336	BSPHCL
			1463808	JUVNL
			153783	SIKKIM
			60282	TS_TRANSCO

EASTERN REGIONAL POWER COMMITTEE
KOLKATA-700 033

7	BRBCL	5396.30000	671191	BSPHCL
			860891	BIHAR_RAILWAYS
			1657945	DVC_RAILWAYS
			3274546	AHARASHTRA RAILWAYS
			2490159	MP RAILWAYS
			1364577	RAILWAYS
			946886	HARYANA
			1657945	UP
8	MTPS-II	1650.18000	2915483	BSPHCL
			53339	JUVNL
			1336118	GRIDCO
			3212	SIKKIM
			68306	WBSETCL
			21273	TS_TRANSCO
Total		18016.00900	30980970	

A) RRAS settlement account for the week 17-Jun-19 to 23-Jun-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.