



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/8883

Date: 11.03.2021

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 22.02.2021 to 28.02.2021 & Adj DSM for 27.01.2021 and Dev of Bhutan Power of February-2021.

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) & Petition No. 11/SM/2020 dated 29.05.2020.

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.

The last installment of data for the subjected week has been received from ERLDC on 05.03.2021.

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,

(N. S. MONDAL)
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, Dongtiah, 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

From 22-02-2021 to 28-02-2021

AS PER 5TH AMENDMENT OF DSM, 2019 W.E.F. 03/06/2019

UTILITIES AND DEVIATION CHARGES PAYABLE BY THEM	DEVIATION CHARGE (in Rs. Lakhs)		ADDITIONAL DEVIATION CHARGE DUE TO BLOCKWISE VIOLATION OF 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
BENEFICIARIES OF EASTERN REGION						
BSPHCL		635.51542	98.44334	195.78652		929.74528
JUVNL		18.71961	6.55978	12.09094		37.37033
DVC	83.98959		8.80305	3.16050	72.02604	
GRIDCO	24.32591		55.37261	3.35340		34.40010
SIKKIM	21.74269		0.09563	0.36669	21.28037	
WBSETCL	7.86433		49.39928	8.72706		50.26201
HVDC SASARAM	0.37633		0.00074	0.00000	0.37559	
HVDC ALIPURDUAR		0.17847	0.00733	0.00000		0.18580
CERC REGULATED GENERATORS (CGS/ISGS)						
FSTPP - I & II	44.19019		0.21688	0.28158	43.69173	
FSTPP-III		1.11741	0.21094	0.00000		1.32835
KHSTPP-I		90.55543	1.91480	6.83614		99.30637
KHSTPP-II		41.71600	4.19256	4.40548		50.31404
TSTPP	13.37486		0.21674	0.00000	13.15812	
BARH		77.53246	20.65971	2.17492		100.36709
MTPS-II	16.12162		2.17954	0.05954	13.88254	
BRBCL	4.09095		5.24453	0.42588		1.57946
TEESTA	27.49787		0.36916	0.16758	26.96113	
RANGIT	1.03933		0.06393	0.00000	0.97540	
MPL		1.11669	0.52529	0.00000		1.64198
NPGC		8.37491	0.46014	0.00000		8.83505
DARLIPALI	32.64985		0.73552	0.17544	31.73889	
OTHER GENERATORS						
APNRL	55.34181		0.00000	0.27296	55.06885	
GMRKEL	18.07782		11.60447	1.24493	5.22842	
JITPL	12.89877		0.00000	0.00000	12.89877	
CHUZACHEN		0.40820	0.02433	0.00000		0.43253
DIKCHU	0.08277		0.03247	0.00000	0.05030	
JORETHANG HEP		7.64215	0.17571	0.08810		7.90596
THEP		7.49164	0.19449	0.00000		7.68613
TUL		2.67037	0.05804	0.00000		2.72841
INTER-REGIONAL						
NER	2989.43010				2989.43010	
NR		3744.95219				3744.95219
SR	3070.22759				3070.22759	
WR		1279.19212				1279.19212
INTER-NATIONAL						
NVVN-BD		8.68871	1.63566	0.00205		10.32642
NVVN-NEPAL		215.52468	31.69117	32.89765		280.11350
TPTCL		22.19630	0.50696			22.70326
INFIRM GENERATORS						
NPGC-INFIRM		76.50136				76.50136
BARH SG1_INFIRM		78.68100				78.68100
DARLIPALI_U2_INFIRM		29.29519				29.29519
SOLAR GENERATORS						
TALCHER SOLAR	1.75670				1.75670	
Adj of DVC 27.01.2021						0.19785
Adj of NR 27.01.2021					18.37790	
Adj of TALCHER SOLAR 27.01.2021					1.14601	
TOTAL	6425.07908	6348.07031	301.59480	272.51736	6378.27445	6856.05178

Payable To The Pool (A) :	6348.07031
Receivable From The Pool (B) :	6425.07908
Differential Amount Arising from capping of Generating Stations(A-B) :	-77.00877
Additional Deviation Amount :	574.11216

EASTERN REGIONAL POWER COMMITTEE
KOLKATA

Settlement of Deviation of Bhutan Power from Schedule for the month of FEBRUARY'2021

Generators	SCH(MWH)	ACT(MWH)	DEV(MWH)	DEV CHARGE(Rs.)
CHUKKA HEP	1665.750	13480.953	11815.203	30128768
KURICHHU HEP	16898.000	0.000	-16898.000	-35823760
TALA HEP	51392.500	0.000	-51392.500	-108952100
MANGDECHHU HEP	64987.475	64703.492	-283.983	-1170010

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	89.27154	0	0.00000	25.50	-277.82786	36.87	-4.31383	-192.87014
JUVNL	10.74	32.35830	0	0.00000	11.46	-124.85911	0.00	0.00000	-92.50081
DVC	10.37	31.24353	50	-179.11880	5.54	-60.35946	0.00	0.00000	-208.23473
GRIDCO	15.19	45.76560	0	0.00000	4.25	-46.30464	10.97	-1.28350	-1.82255
SIKKIM	2.22	6.68859	0	0.00000	0.00	0.00000	0.00	0.00000	6.68859
WBSETCL	31.85	95.96012	50	-179.11880	38.25	-416.74178	32.14	-3.76041	-503.66087
NR(THPC)	0.00	0.00000	0.00	0.00000	15	-163.42815	0.00	0.00000	-163.42815
NER(MHEP)	0.00	0.00000	0.00	0.00000	0.00	0.00000	20.02	-2.34236	-2.34236
TOTAL	100.00	301.28768	100.00	-358.23760	100.00	-1089.52100	100.00	-11.70010	-1158.17102

(+) 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 FEBRUARY'2021

CONSTITUENTS	NR(TALA HEP)		Adjusted DEV Charge For THPC(Rs in Lakhs)
	SHARE(%)	DEV CHARGES (Rs in Lakhs)	
UTTAR PRADESH	4.41	-48.04788	-48.04788
RAJASTAN	1.47	-16.01596	-16.01596
J & K	1.77	-19.28452	-19.28452
HARYANA	1.47	-16.01596	-16.01596
PUNJAB	2.94	-32.03192	-32.03192
DELHI	2.94	-32.03192	-32.03192
TOTAL	15.00	-163.42815	-163.42815

(+) 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	-2.34236	-2.34236
TOTAL	20.02	-2.34236	-2.34236

(+) Means receivable from NER DSM pool

(-) Means Payable to NER DSM Pool

**EASTERN REGIONAL POWER COMMITTEE
KOLKATA**

- i) For computing Deviation Charge for the week, Korba meter(NP2657A) has been used as master frequency meter.
- ii) 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, 5th Amendment order dated 28.05.2019 & clause 7.10(b) of DSM 5th Amendment has been incorporated w.e.f. 01.12.2020.
- iii) ACP values for computation of deviation rate vector has been taken from NLDC website
- iv) The Cap rate for all generators has been fixed at 303.04 paisa/kwh as per DSM 5th amendment'2019.
- v) 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 $f \geq 50.10\text{ Hz}$.
- vi) 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.
- vii) The payable/receivable of "Deviation Charge " in respect of Inter-Regional exchanges are settled on first charge basis without any adjustment.
- viii) As informed by ERLDC OPGC (2*660 MW), new Pool Member of ER, has started drawing power from 15.01.18.
- ix) 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
- x) As informed by ERLDC DARLIPALI(NTPC) became a regional entity and DSM pool member wef 31.05.18.
- xi) 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
- xii) As informed by ERLDC one unit of NPGC(1x660 MW) has been scheduled w.e.f. 06.09.2019
- xiii) As informed by ERLDC, NPGC Unit#2 starts drawing Start Up Power w.e.f. 27.08.2019.
- xiv) As informed by ERLDC, BARH Stage-I starts drwaing Start up Power w.e.f 01.02.2020.
- xv) As informed by ERLDC one unit of DARLIPALI has been scheduled w.e.f. 01.03.2020.
- xvi) As informed by ERLDC, DARLIPALI U#2 start drwing start Up power w.e.f. 31.03.2020.
- xviii) Adj DSM for 27.01.2021 is done due to change in Tal Solar to DVC (L_ER_2013_04) as per ERLDC email dated 02.03.2021.

EASTERN REGIONAL POWER COMMITTEE, KOLKATA

RRAS Settlement Report from 22-02-2021 to 28-02-2021

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

Sr. No	RRAS Provider	Energy Scheduled (MWH)	Fixed Charges (Rs) (X)	Variable Charges (Rs) (Y)	Markup as per CERC Order (Rs) (Z)	Total Charges (Rs) (X+Y+Z)
1	BARH	98.875	181930	257174	49438	488542
2	BRBCL	4.295	10738	9458	2148	22344
3	Darlipali_NTPC	94.3275	199503	104892	47164	351559
4	FSTPP I & II	488.6125	402617	1265506	244306	1912429
5	FSTPP-III	100.1275	149390	254524	50064	453978
6	KHSTPP-I	192.4175	201654	427167	96209	725030
7	KHSTPP-II	140.6575	153176	296084	70329	519589
8	MPL	42.475	60442	99943	21238	181623
9	MTPS-II	1233.2625	3371740	3252114	616631	7240485
10	NPGC	0	0	0	0	0
11	TSTPP-I	0	0	0	0	0
	Total	2395.05	4731189	5966862	1197525	11895576

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

Sr. No	RRAS Provider	Energy Scheduledn (MWH)	Variable Chargesn (Rs) (X)	Variable Charges Payable to Pool (Rs) (0.75*X)
1	BARH	1132.9475	2946796	2210097
2	BRBCL	0	0	0
3	Darlipali_NTPC	0	0	0
4	FSTPP I & II	175.8725	455510	341632
5	FSTPP-III	0	0	0
6	KHSTPP-I	0	0	0
7	KHSTPP-II	0	0	0
8	MPL	0	0	0
9	MTPS-II	0	0	0
10	NPGC	0	0	0
11	TSTPP-I	0	0	0
	Total	1308.82	3402306	2551730

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

Sr. No	RRAS Provider	Energy Scheduled (MWH)	Fixed Charges To Be Refunded (Rs)	To Beneficiary Name
1	BARH	98.875	117333	BSPHCL
			12831	HVDC_APD
			29	JUVNL
			51736	Sikkim
2	BRBCL	4.295	5991	Bihar Railways
			3	Maharashtra Railways
			1985	HARYANA
			351	PUNJAB
			277	RAJASTHAN
			860	Karnataka Railways
3	Darlipali_NTPC	94.3275	1271	MP Railways
			199503	Sikkim
4	FSTPP I & II	488.6125	13407	Assam
			16041	Delhi
			7464	HARYANA
			1950	Nagaland
			336395	GRIDCO
			12111	ODISHA Solar
			2772	Sikkim
			33	UP
			11418	WBSETCL
			1027	WB Solar
5	FSTPP-III	100.1275	45	Gujarat
			141146	GRIDCO
			8199	ODISHA Solar
6	KHSTPP-I	192.4175	9125	Assam
			12208	Delhi
			117	Nagaland
			109059	GRIDCO
			4614	ODISHA Solar
			18623	Sikkim
7	KHSTPP-II	140.6575	47907	UP
			76663	Assam
			8695	Delhi
			1835	ODISHA Solar
			6126	Sikkim
			48369	UP
8	MPL	42.475	11488	UTTARAKHAND
			27784	DVC
			32658	TPDDL
			1088641	BSPHCL
9	MTPS-II	1233.2625	2086	DVC
			2179334	GRIDCO
			101678	WBSETCL
			0	
10	NPGC	0	0	
11	TSTPP-I	0	0	
	Total	2395.050	4731189	

Notes :

- A) RRAS settlement account for the week 22-02-2021 to 28-02-2021 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 This is as per Clause 13.6 of the Detailed Procedure for Ancillary Services Operation approved by CERC.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.

EASTERN REGIONAL POWER COMMITTEE, KOLKATA
AGC Settlement Account by ERPC from 22-02-2021 to 28-02-2021

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

Sr. No	AGC Provider	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	0.00000	0.00000	0.00000	0	0	0

Notes :

A) (+) means payable from DSM Pool to AGC provider. (-) means payable to DSM Pool by AGC provider.

B) AGC settlement account for the week 22-02-2021 to 28-02-2021 has been prepared based on the CERC order in petition No.79/RC/2017, dated 06.12.2017.

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

D) 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.