



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/8041-8075

Date: 28.01.2021

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 11.01.2021 to 17.01.2021 & Adj DSM A/c for 02.09.20-04.09.20, 06.09.20, 11.09.20 & 10.01.2021.

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 27.01.2021.

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।

This is issued with the approval of Member Secretary.

Encl: As above

भवदीय / Yours faithfully,

(S. KEJRIWAL)
SUPERINTENDING ENGINEER

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: 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, 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 11-01-2021 to 17-01-2021

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		226.37236	87.10929	84.80504		398.28669
JUVNL		37.50916	7.88146	10.45067		55.84129
DVC		166.30912	22.02002	41.05731		229.38645
GRIDCO		29.57628	61.01875	2.44844		93.04347
SIKKIM	8.80650		0.32767	0	8.47883	
WBSETCL		102.46746	71.59439	3.76191		177.82376
HVDC SASARAM	0.67221		0.00308	0	0.66913	
HVDC ALIPURDUAR		0.79343	0.01068	0		0.80411
CERC REGULATED GENERATORS (CGS/ISGS)						
FSTPP - I & II	1.28405		1.11100	0.03755	0.13550	
FSTPP-III		10.67505	0.11951	0		10.79456
KHSTPP-I		40.24115	0.29095	0.75541		41.28751
KHSTPP-II		9.85931	0.28365	0.02212		10.16508
TSTPP		11.87614	0.47460	0.29617		12.64691
BARH		42.61898	10.50897	0.75541		53.88336
MTPS-II		12.75081	0.11289	0		12.86370
BRBCL	2.4581		0	0	2.45810	
TEESTA	25.28057		0	0	25.28057	
RANGIT	0.87244		0.01706	0	0.85538	
MPL		30.97586	10.87045	0.82054		42.66685
NPGC	2.06940		0	0	2.06940	
DARLIPALI		29.82084	10.15318	0.72783		40.70185
OTHER GENERATORS						
APNRL	1.73909		0.21385	0	1.52524	
GMRKEL		12.26657	10.24830	0.14479		22.65966
JITPL	0.50065		0.03881	0	0.46184	
CHUZACHEN	1.87070		0.03607	0	1.83463	
DIKCHU	1.13514		0.00826	0	1.12688	
JORETHANG HEP		10.41683	0.00244	0		10.41927
THEP		7.73225	0	0		7.73225
TUL		0.18039	0.01531	0		0.19570
INTER-REGIONAL						
NER	1957.36489				1957.36489	
NR	536.78157				536.78157	
SR		1307.28121				1307.28121
WR	654.48758				654.48758	
INTER-NATIONAL						
NVVN-BD		26.73203	4.50517	0		31.23720
NVVN-NEPAL		146.79523	5.44422	36.65800		188.89745
TPTCL		23.51954	0.07210			23.59164
INFIRM GENERATORS						
NPGC-INFIRM		31.34747				31.34747
BARH SG1_INFIRM		29.29567				29.29567
DARLIPALI_U2_INFIRM		59.01899				59.01899
SOLAR GENERATORS						
TALCHER SOLAR		3.55633				3.55633
Adj of NER 020920-040920, 060920						19.32936
Adj of WR 020920-040920, 060920					3.10224	
Adj of NR 020920-040920, 060920					16.22711	
Adj of NER 110920						0.18923
Adj of WR 110920					0.03037	
Adj of SR 110920					0.15886	
Adj of SR 100121					17.17251	
Adj of NVVN-BD 100121						13.11223
TOTAL	3195.32289	2409.98846	304.49213	182.74119	3230.220626	2928.05924

Payable To The Pool (A) :	2409.98846
Receivable From The Pool (B) :	3195.32289
Differential Amount Arising from capping of Generating Stations(A-B) :	-785.33443
Additional Deviation Amount :	487.23332

**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 drawing 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 drawing start Up power w.e.f. 31.03.2020.
- xvii) Adj DSM for 02.09.2020 to 04.09.2020, 06.09.2020 are done due to change in schedule of Kamneg HEP(NER) export to NR and WR as per ERLDC email 12.01.2021
- xvii) Adj DSM for 11.09.2020 are done due to change in schedule of Kamneg HEP(NER) export to NR and WR as per ERLDC email 22.01.2021
- xviii) Adj DSM for 10.01.2021 are done due to change in STOA:- ERLDC/2020/25718/F as per ERLDC email dated 27.01.2021.

EASTERN REGIONAL POWER COMMITTEE, KOLKATA

RRAS Settlement Report from 11-01-2021 to 17-01-2021

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	198.80750	365806	534673	99404	999883
2	BRBCL	22.04250	55106	50125	11021	116252
3	Darlipali_NTPC	19.86000	42004	21841	9930	73775
4	FSTPP I & II	1276.39250	1051747	3415412	638196	5105355
5	FSTPP-III	0.00000	0	0	0	0
6	KHSTPP-I	175.17750	183586	409039	87589	680214
7	KHSTPP-II	359.60250	391607	796160	179801	1367568
8	MPL	42.50750	60488	105293	21254	187035
9	MTPS-II	675.88750	1847877	1820837	337944	4006658
10	NPGC	403.29500	1023966	901714	201648	2127328
11	TSTPP-I	62.75250	60180	130003	31376	221559
	Total	3236.32500	5082367	8185097	1618163	14885627

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	5470.59750	14466987	10850240
2	BRBCL	5799.46000	13421343	10066007
3	Darlipali_NTPC	0.00000	0	0
4	FSTPP I & II	474.32250	1268474	951356
5	FSTPP-III	0.00000	0	0
6	KHSTPP-I	2115.51000	4939716	3704787
7	KHSTPP-II	593.77500	1314618	985963
8	MPL	749.94500	1876362	1407271
9	MTPS-II	828.24000	2248926	1686694
10	NPGC	3874.71500	8696786	6522590
11	TSTPP-I	2953.37000	5998098	4498574
	Total	22859.93500	54231310	40673482

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	198.80750	325268	BSPHCL
			21526	HVDC_APD
			7624	Sikkim
			11388	TS TRANSCO
2	BRBCL	22.04250	16426	Bihar Railways
			1312	Maharashtra Railways
			820	Delhi
			2464	HARYANA
			5728	PUNJAB
			1636	RAJASTHAN
			1662	Karnataka Railways
			25059	MP Railways
3	Darlipali NTPC	19.86000	42004	Sikkim
4	FSTPP I & II	1276.39250	160	Arunachal Pradesh
			35588	Assam
			250	NVVN Bangladesh
			32066	BSPHCL
			1734	Delhi
			2168	HARYANA
			6892	JUVNL
			681	JK and LADAKH
			120	Mizoram
			482015	GRIDCO
			14830	ODISHA Solar
			7346	RAJASTHAN
			38397	Sikkim
			13308	Tamilnadu
			5434	TS TRANSCO
			64610	UP
			319495	WBSETCL
26651	WB Solar			
5	FSTPP I & II	0.00000	0	
6	KHSTPP-I	175.17750	317	Delhi
			0	HARYANA
			66567	GRIDCO
			1598	ODISHA Solar
			17277	Sikkim
			1049	Tamilnadu
7	KHSTPP-II	359.60250	96777	UP
			9195	Assam
			1594	Delhi
			15695	GRIDCO
			2911	ODISHA Solar
			73592	PUNJAB
			283310	UP
5311	UTTARAKHAND			
8	MPL	42.50750	57440	DVC
			3048	TPDDL
9	MTPS-II	675.88750	1165252	BSPHCL
			414006	GRIDCO
			604	TS TRANSCO
			268015	WBSETCL
10	NPGC	403.29500	74122	Sikkim
			949844	UP
11	TSTPP-I	62.75250	444	DVC
			59736	GRIDCO
Total		3236.32500	5082367	

Notes :

A) RRAS settlement account for the week 11-01-2021 to 17-01-2021 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 11-01-2021 to 17-01-2021

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 11-01-2021 to 17-01-2021 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-1 and the same published in ERPC website as format AS-3.