



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/ 286

Date: 01.06.2022

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 16.05.2022 to 22.05.2022 and Adj DSM A/c for 22.04.2022 & 26.04.2022.

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/NLDC on 27.05.2022.

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 विलों 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.

आरआरएस/एजीसी प्रदाताओं द्वारा डीआरएम पूल से भुगतान / प्राप्ति में देरी की स्थिति में, जारी करने की तारीख से 12 से 17 दिनों के बाद, आरआरएस/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 issues 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: 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
36. ED(Commercial), PTC india Limited, 2nd Floor NBCC Tower, Bikaji Cama Palace, New Delhi-110066

EASTERN REGIONAL POWER COMMITTEE, KOLKATA
ABT based Deviation Charge Account

From 16-05-2022 to 22-05-2022
AS PER 5TH AMENDMENT OF DSM, 2019 W.E.F. 03/06/2019 & 01/12/2020

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		236.39140	128.71472	54.61936		419.72548
JUVNL		326.79931	85.85247	150.49121		563.14299
DVC		642.97864	191.64773	120.39067		955.01704
GRIDCO		649.01434	182.75706	179.66679		1011.43819
SIKKIM	35.16218		3.31712	3.26151	28.58355	
WBSETCL		644.09053	235.09363	120.57731		999.76147
HVDC SASARAM	1.60825		0.04745	0.00000	1.56080	
HVDC ALIPURDUAR		0.64189	0.15745	0.00000		0.79934
CERC REGULATED GENERATORS (CGS/ISGS)						
BARH-I	3.89277		1.72763	0.04230	2.12284	
FSTPP - I & II		7.88858	3.19884	3.73857		14.82599
FSTPP-III		28.18093	5.56003	1.11102		34.85198
KHSTPP-I		85.74081	21.95294	12.65384		120.34759
KHSTPP-II		82.15120	41.79718	7.89567		131.84405
TSTPP		4.89735	25.98760	1.70627		32.59122
BARH-II		38.61207	20.74157	3.58818		62.94182
MTPS-II	18.29259		7.15263	3.29078	7.84918	
BRBCL	6.65337		2.96117	0.00679	3.68541	
TEESTA	44.25588		0.46568	0.31710	43.47310	
RANGIT	2.70495		0.27225	0.00000	2.43270	
MPL	16.48162		2.55353	0.00000	13.92809	
NPGC		2.16854	20.13495	1.34905		23.65254
DARLIPALI		15.00569	1.60995	0.33212		16.94776
OTHER GENERATORS						
APNRL	9.01140		0.81393	0.00000	8.19747	
GMRKEL	20.88457		0.05668	0.00000	20.82789	
JITPL		27.09187	23.34440	1.01681		51.45308
CHUZACHEN	7.66937		3.51338	0.05955	4.09644	
DIKCHU	4.70398		0.05937	0.00000	4.64461	
JOETHANG HEP		21.90722	1.51498	0.00000		23.42220
THEP		20.25518	1.21081	0.00000		21.46599
TUL		34.98369	7.27957	0.00000		42.26326
RONGNICHU HEP	10.34958		3.72861	0.08399	6.53698	
INTER-REGIONAL						
NER		3783.46244				3783.46244
NR		8299.87388				8299.87388
SR		9317.89209				9317.89209
WR	24401.55030				24401.55030	
INTER-NATIONAL						
NVVN-BD	22.01991		21.14741	0.57656	0.29594	
NVVN-NEPAL		159.98740	58.43081	83.19672		301.61493
TPTCL		94.31938	6.19222			100.51160
INFIRM GENERATORS						
BARH SG1_U2_INFIRM		28.63244				28.63244
NPGC-INFIRM	209.54172				209.54172	
SOLAR GENERATORS						
TALCHER SOLAR	1.10089				1.10089	
Adj DSM Account						
Adj of GRIDCO 22.04.2022					3.04188	
Adj of NR 22.04.2022						2.96360
Adj of BSPHCL 26.04.2022						1.08788
Adj of JUVNL 26.04.2022						1.36137
Adj of DVC 26.04.2022						0.83554
Adj of GRIDCO 26.04.2022						2.27151
Adj of SIKKIM 26.04.2022						1.05726
Adj of WBSETCL 26.04.2022						2.53294
Adj of TEESTA-V 26.04.2022					0.72723	
TOTAL	24815.88333	24552.96687	1110.99575	749.97217	24764.19702	26370.58947

Payable To The Pool (A) :	24552.96687
Receivable From The Pool (B) :	24815.88333
Differential Amount Arising from capping of Generating Stations(A-B) :	-262.91646
Additional Deviation Amount :	1860.96792

**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 $f > 50.10\text{Hz}$.
- 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) As informed by ERLDC, RONGNICHU HEP start drawing start Up power w.e.f 00.00 hr of 17.04.2021 & Infirm Injection w.e.f 18.15 hr of 18.04.2021.
- xvii) As informed by ERLDC, RONGNICHU HEP has been scheduled w.e.f 02.07.2021.
- xviii) As informed by ERLDC, NPGC U#2 has been scheduled wef 23.07.2021
- xix) As informed by ERLDC, BRBCL_U#4 start drawing start Up power w.e.f. 23.08.2021.
- xx) As informed by ERLDC, DARLIPALI U#2 has been scheduled wef 01.09.2021
- xxi) As informed by ERLDC, BARH Stage-I U#1 has been scheduled wef 12.11.2021
- xxii) As informed by ERLDC, BRBCL U#4 has been scheduled wef 01.12.2021
- xxiii) A new Regional Entity PTC-BHUTAN added for net Bhutan Deviation account settlement w.e.f 01.01.2022 as per Designated Authority, CEA approval for import of Power by Bhutan.**
- xxiv) As informed by ERLDC, BARH Stage-I U#2 start drawing start Up power w.e.f 18.01.2022.**
- xxv) As per PTC letter dated 28.03.2022 and Designated Authority, CEA approval letter dated 13.04.2022, Bhutan deviation account settlement will be done as per pre-DSM period w.e.f. 01.04.2022**
- xxvi) Adj DSM A/c for 22.04.2022 & 26.04.2022 are done due revision of schedule data by ERLDC vide email dated 25.04.2022**

EASTERN REGIONAL POWER COMMITTEE, KOLKATA

RRAS Settlement Report from 16-05-2022 to 22-05-2022

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	594.4825	1093848	1713299	297241	3104388
2	BARH-I	306.3625	742623	854445	153181	1750249
3	BRBCL	278.4375	647646	602539	139219	1389404
4	FSTPP I & II	159.1575	131146	555300	79579	766025
5	FSTPP-III	99.17	147962	339558	49585	537105
6	KHSTPP-I	157.6875	165257	524942	78844	769043
7	KHSTPP-II	996.3875	1085066	3145595	498194	4728855
8	MPL	23.495	32634	59583	11748	103965
9	MTPS-II	275.385	752903	786775	137693	1677371
10	NPGC	697.9125	1654751	1439096	348956	3442803
11	TSTPP-I	0	0	0	0	0
	Total	3588.4775	6453833	10021132	1794238	18269203

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

Sr. No	RRAS Provider	Energy Scheduled (MWH)	Variable Charges (Rs) (X)	Variable Charges Payable to Pool (Rs) (0.75*X)
1	BARH	979.1975	2822047	2116535
2	BARH-I	1597.87	4456460	3342345
3	BRBCL	5586.4175	12089007	9066756
4	Darlipali_NTPC	0	0	0
5	FSTPP I & II	2553.2225	8908193	6681145
6	FSTPP-III	1643.3725	5626907	4220181
7	KHSTPP-I	515.505	1716116	1287087
8	KHSTPP-II	3983.6275	12576312	9432234
9	MPL	3288.825	8340460	6255345
10	MTPS-II	781.3475	2232310	1674232
11	NPGC	1546.4325	3188744	2391558
12	TSTPP-I	2697.0025	4800664	3600498
	Total	25172.82	66757222	50067916

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	594.4825	891618	BSPHCL
2	BARH		58705	HVDC_APD
3	BARH		143525	Tamilnadu
4	BARH-I	306.3625	498835	BSPHCL
5	BARH-I		31021	Gujarat
6	BARH-I		212767	Tamilnadu
7	BRBCL	278.4375	50822	Assam
8	BRBCL		73531	BSPHCL
9	BRBCL		84620	Bihar Railways
10	BRBCL		51886	Maharashtra Railways
11	BRBCL		26947	Delhi
12	BRBCL		175019	DVC Railways
13	BRBCL		102526	HARYANA
14	BRBCL		28889	PUNJAB
15	BRBCL		38111	RAJASTHAN
16	BRBCL		15294	Karnataka Railways
17	FSTPP I & II	159.1575	49570	BSPHCL
18	FSTPP I & II		1981	Delhi
19	FSTPP I & II		1202	Gujarat
20	FSTPP I & II		85	Nagaland
21	FSTPP I & II		10899	Tamilnadu
22	FSTPP I & II		67409	UP
23	FSTPP-III	99.17	106183	BSPHCL
24	FSTPP-III		41779	Gujarat
25	KHSTPP-I	157.6875	36226	BSPHCL
26	KHSTPP-I		7825	Delhi
27	KHSTPP-I		2101	Tamilnadu
28	KHSTPP-I		119104	UP
29	KHSTPP-II	996.3875	16151	BSPHCL
30	KHSTPP-II		29179	CHATTISGARH
31	KHSTPP-II		35774	Delhi
32	KHSTPP-II		1284	MP
33	KHSTPP-II		534	GRIDCO
34	KHSTPP-II		1851	RAJASTHAN
35	KHSTPP-II		947857	UP
36	KHSTPP-II		52435	UTTARAKHAND
37	MPL	23.495	32634	DVC
38	MTPS-II	275.385	572807	BSPHCL
39	MTPS-II		180095	Tamilnadu
40	NPGC	697.9125	1068788	BSPHCL
41	NPGC		585963	UP
	Total	3588.4775	6453833	

Notes :

- A) RRAS settlement account for the week 16-05-2022 to 22-05-2022 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-1 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.
- F) RRAS Up account of Darlipali_NTPC for 3.515 MWH of Regulated power is withheld. The same account will be issued after getting direction from CERC.

EASTERN REGIONAL POWER COMMITTEE, KOLKATA
AGC Settlement Account by ERPC from 16-05-2022 to 22-05-2022

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	1154.8821	3599.497	-2444.6149	-7045381	2377190	-4668191
2	FSTPP I & II	994.6046	1258.4258	-263.8212	-920473	1126515	206042
3	FSTPP-III	900.3967	1136.2087	-235.812	-807419	1018303	210884
4	KHSTPP-II	1031.874	4070.6532	-3038.7792	-9593426	2551264	-7042162
5	MPL	471.1806	7919.9727	-7448.7921	-18890137	4195577	-14694560
6	MTPS-II	113.5007	832.9822	-719.4815	-2055559	473241	-1582318
7	NPGC	233.5317	3955.0729	-3721.5412	-7673818	2094302	-5579516
8	Teesta_V	30.1025	64.2068	-34.1043	-39663	47155	7492
	Total	4930.0729	22837.0193	-17906.9464	-47025876	13883547	-33142329

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 16-05-2022 to 22-05-2022 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.