



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

आई एस ओ : 9001-2000  
ISO: 9001-2000

Tel No. :033-24235199, 24235005 FAX No.:033-24221802, 24171358 Web: [www.erpc.gov.in](http://www.erpc.gov.in)

NO: ERPC/COM-II/ABT-DC

Date: 14.02.2018

As per List

**Sub: Statement of Deviation Charges including Additional Deviation Charges & RRAS Settlement Account for the period from 22.01.2018 to 28.01.2018.**

Statement of Deviation charges for the week has been prepared as per CERC (Deviation Settlement Mechanism and related matters) Regulations (Notification no. No.L-1/132/2013/CERC dated 06.01.2014. Amendment as per CERC order dated 20.01.2015 on petition no RP/06/2015 has also been incorporated. **RRAS Settlement Account for the week has been prepared as per the guidelines of Detailed Procedure for Ancillary Services Operation approved by CERC.**


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

**EASTERN REGIONAL POWER COMMITTEE  
KOLKATA**

**ABT based Deviation Charge Account  
For the period 22.01.18 TO 28.01.18**

AS PER RATE FOR DEVIATION W.E.F. 17/02/2014

(All figures in Rs. Lakhs)

UTILITIES AND DEVIATION CHARGES PAYABLE BY THEM	DEVIATION CHARGE (in Rs. Lakhs)	(1) ADDITIONAL DEVIATION CHARGE TO BE PAID (in Rs. Lakhs)	NET DEVIATION CHARGE PAYABLE	UTILITIES AND DEVIATION CHARGES RECEIVABLE BY THEM	DEVIATION CHARGE (in Rs. Lakhs)	(2) ADDITIONAL DEVIATION CHARGE TO BE PAID (in Rs. Lakhs)	NET DEVIATION CHARGE RECEIVABLE
GRIDCO	463.38608	117.04313	580.42921	DVC	186.60461	0.08464	186.51998
WBSETCL	449.59328	65.35428	514.94757	SIKKIM	33.51323	0.13855	33.37468
JUVNL	151.65051	10.66160	162.31211	HVDC ALIPURDUAR	7.52582	0.00830	7.51752
BSPHCL	31.85538	22.02224	53.87762	HVDC SASARAM	1.44525	0.00174	1.44351
SR	2734.81379	0.00000	2734.81379	WR	3320.51192	0.00000	3320.51192
NR	1818.71461	0.00000	1818.71461	NER	2043.16781	0.00000	2043.16781
NVVN-BD	31.12225	7.46576	38.58801	TSTPP	17.51770	0.08186	17.43584
NVVN-NEPAL	21.74066	0.00000	21.74066	BARH	16.35211	0.00381	16.34830
FSTPP I&II	49.81346	5.67313	55.48659	KHSTPP-II	13.62201	0.16925	13.45276
GMRKEL	8.20837	0.05417	8.26254	MAITHON R/B	12.48755	0.17354	12.31400
FSTPP-III	2.94322	0.00646	2.94969	BRBCL	9.97497	0.00535	9.96961
TPTCL	79.51266	0.00000	79.51266	KHSTPP-I	0.15270	0.00984	0.14286
JORETHANG LOOP HEP	0.00000	0.00000	0.00000	TEESTA	38.60836	0.00000	38.60836
THEP	0.00000	0.00000	0.00000	RANGIT	9.54306	0.00000	9.54306
IND BARATH	1.72890	0.00000	1.72890	Teesta-III(TUL)	3.54462	2.14630	1.39832
OPGC_INFIRM	0.05954	0.00000	0.05954	DIKCHU	2.48535	0.00000	2.48535
				CHUZACHEN	0.53483	0.01521	0.51963
				JITPL	19.87986	0.00711	19.87275
				APNRL	11.74101	0.00000	11.74101
				TALCHER SOLAR	2.68222	0.00000	2.68222
<b>TOTAL</b>	<b>5845.14271</b>	<b>228.28077</b>	<b>6073.42348</b>		<b>5751.89499</b>	<b>2.84549</b>	<b>5749.04950</b>

**AMOUNT ARISING FROM ADDITIONAL DEVIATION CHARGE (RS. IN LACS)**

**231.12626**

(All figures in Rs. Lakhs)

<b>Payable to the pool(A):</b>	<b>5845.14271</b>
<b>Payable from the pool(B):</b>	<b>5751.89499</b>
<b>Differential Amount Arising from capping of Thermal Power Stations(A-B)</b>	<b>93.24772</b>
<b>Additional Deviation Amount:</b>	<b>231.12626</b>
<b>VAE of Eastern Region:</b>	<b>231.63859</b>

**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**: ER end of Raipur- Rourkela 400kV D/C & Budipadar-Korba 220 kV lines.
- c) **Southern Region**: Jeypore end of Jeypore -Gajuwaka D/C & East bus of TSTPP Stage I & II interconnector.
- d) **North Eastern Region**: NER end of 220 kV Birpara -Salakati D/C and 400 kV Binaguri - Bongaigaon D/C lines.

ii) For computing Deviation Charge for the week, Korba meter(NP2465A) 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 has also been incorporated.**

iv) 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.

v) 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).

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

vii) Commercial operation of Unit # 7 of KHSTPP-II started from 00.00 hrs of 20/03/10.

viii) The mismatch between receivable / payable of "Deviation Charge" account of the week have been adjusted to ZERO among the beneficiaries of Eastern Region.

ix) As informed by ERLDC, commercial operation of FSTPP U-6 has started w.e.f 00.00 hrs of 04/04/12.

x) As informed by ERLDC, segregation of KHSTPP STG I & II is done w.e.f 01.04.2011.

xi) As informed by ERLDC, COD of APNRL U-2 started w.e.f 00.00 hrs of 19.05.2013.

xii) As informed by ERLDC, Barh (NTPC) has started injecting infirm power w.e.f 22/11/13.

xiii) As informed by ERLDC, COD of Maithon Right Bank TPP started w.e.f 01/09/11.

xiv) As informed by ERLDC, IND BHARAT has been included in the pool from 12.11.2014

xv) As informed by ERLDC, COD of **Chuzachen (GATI) U1&2** started w.e.f. 0000 hrs of 18.05.2013

xvi) As informed by ERLDC, GMRKEL became pool member of Eastern Region w.e.f 31.03.14. Henceforth GMRKEL shall be reflected as separate entity in subsequent bills.

xvii) As informed by ERLDC, COD of Talcher Solar started and JITPL synchronised w.e.f 28.03.14

xviii) As informed by ERLDC, power export to Bangladesh started w.e.f 27.09.13 through 400kV Behrampur(IND) - Bheramura(BANGLADESH). NVVN is the nodal agency for this transaction and hence is the Deviation Account Pool member.

xix) As informed by ERLDC, GMRKEL U#2 started start up power drawal/ infirm power injection w.e.f 08.12.14.

xx) As informed by ERLDC, BARH U#5 started start up power drawal/ infirm power injection

xxi) As informed by ERLDC, JITPL U#2 started commercial operation w.e.f 00.00 hrs of 12.02.2015.

xxii) As informed by ERLDC, U#1(48MW) of Jorethang Loop HEP starting injecting infirm power w.e.f 00.00 hrs of 20.09.15 and the same has been declared commercial w.e.f 00.00 hrs of 26.09.15.

U#2 of the same project declared commercial w.e.f 00.00 hrs of 01.10.15.

xxiii) As informed by ERLDC, Scheduling of Dagachu Hydro Power Station of Bhutan started w.e.f 21.02.2015. TPTCL, being the nodal agency for this power transaction, shall be the pool member for the purpose of Deviation Pool Account.

xxiv) As informed by ERLDC, power export to Nepal started w.e.f 17.02.16 through 132kV Muzaffarpur(IND) - Dhalkebar (Nepal). NVVN is the nodal agency for this transaction and hence is the Deviation Account Pool member.

xxv) No comments from ERLDC for the week have been received regarding gaming. Revision, if any, would be carried out after receipt of such comments from ERLDC.

xxvi) As per CERC order No. 1/14/2015, dated 07/08/2015, Deviation Accounting of 10MW Talcher Solar has commenced w.e.f 01/11/2015

xxvii) As per SOR of CERC (Ancillary Services Operation) Regulation 2015, DSM Accounting of VAE has been done and reflected accordingly.

xxviii) As informed by ERLDC, HVDC SASARAM has been included in the pool from the week of 22.08.2016 to 28.08.2016 and reflected accordingly.

**xxix) As informed by ERLDC and as per the Deliberation of meeting held on 14/10/2016 at ERPC, VEDANTA would be treated as an Embedded customer under the jurisdiction of SLDC Odisha, w.e.f 24/10/2016.**

xxx) As informed by ERLDC, Unit-01 of BRBCL Nabinagar is declared Commercial Operational wef 00:00 Hrs of 15.01.17.

xxxi) As informed by ERLDC, TUL unit-02, 03 & 04 declared COD wef 00:00 Hrs of 23.02.17. TUL Unit 01, 05 & 06 declared COD wef 00:00 Hrs of 28.02.17.

xxxii) As decided in the special meeting held on 25.01.17 at ERPC Kolkata, the jurisdiction of KBUNL Stage-II is to be shifted from ERLDC to SLDC Bihar immediately w.e.f 06.02.2017 to enable full load trial operation.

xxxiii) As informed by ERLDC, Dikchu Unit 1 & 2 started injecting Infirm Power wef 31.03.17.

xxxiv) As informed by ERLDC, BRBCL Unit-2 started drawing startup drawl Power/Infirm Injection wef 01.04.17.

xxxv) As informed by ERLDC Dikchu U-01 is declared COD wef 00:00 Hrs of 12.04.17 & Dikchu U-01 is being scheduled wef 19.04.17.

xxxvi) As informed by ERLDC Dikchu Unit-2 has been declared COD wef 00:00 Hrs of 28.05.17

xxxvii) As informed by ERLDC BRBCL Unit-02 is declared COD wef 00:00 Hrs of 10.09.17.

xxxviii) As informed by ERLDC HVDC ALIPURDUAR is declared COD wef 00:00 Hrs of 21.09.17.

xxxix) As informed by ERLDC THEP has injected INFIRM Power from 14.10.17 to 24:00 Hrs of 17.10.17.

xxxx) As informed by ERLDC THEP Unit-01 & 02 both declared COD wef 00:00 Hrs of 18.10.17

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





**ERPC, KOLKATA**  
Day-wise schedule, actual and Deviation charge statement

DATE	BENEFICIARY	SCH. TOTAL IN MWH	ACTUAL DRAWAL/GENT OTAL IN MWH	DEVIATION CHARGE IN Rs.	Page 3 of 3 Additional Deviation Charge in Rs.
28/01/18	BSPHCL	-62,288.945	-62,621.652	-1,297,834.60	-124,379.47
	JUVNL	-13,871.340	-14,043.171	-540,587.11	-23,662.54
	DVC	35,486.999	37,845.328	5,137,951.76	0.00
	GRIDCO	-26,080.427	-29,707.980	-8,063,369.19	-1,605,690.05
	SIKKIM	-1,568.116	-1,434.387	365,805.58	0.00
	WBSETCL	-12,345.420	-15,188.974	-5,916,359.70	-2,609,395.18
	NER	-2,379.978	9,851.788	29,054,620.92	0.00
	NR	-54,907.292	-65,798.320	-25,840,017.02	-17,669,543.05
	WR	-19,128.013	-27,152.828	-18,897,718.68	-18,095,244.93
	FSTPP-I & II	-9,162.657	5,920.707	35,676,038.76	-1,533,621.07
	KHSTPP-I	32,970.583	32,432.419	-1,138,098.44	0.00
	TSTPP	14,313.320	14,219.295	-110,609.34	-801.91
	RANGIT	11,007.456	11,169.188	428,284.98	0.00
	CHPC	382.500	418.688	88,868.88	0.00
	CHPC	1,008.000	201.206	-1,815,286.50	0.00
	KHPC	336.000	-340.441	-1,434,055.34	0.00
	THPC	2,112.000	112.345	-4,239,267.60	0.00
	KHSTPP-II	29,610.176	29,462.890	-239,932.889	0.00
	FSTPP-III	8,449.059	8,442.235	7,266.448	0.00
	TEESTA	2,272.000	2,461.091	523,928.722	0.00
	MAITHON R/B	22,655.298	22,786.109	348,048.947	0.00
	BARH	28,989.709	28,847.236	101,175.207	0.00
	NVFN-NEPAL	-2,827.296	-2,823.984	-142,317.231	0.00
	APNRL	5,903.730	5,942.836	137,495.305	0.00
	GMRKEL	6,545.430	6,363.491	-154,461.667	0.00
	JITPL	10,292.932	10,453.891	248,296.578	0.00
	TPCL	920.612	462.747	-1,060,981.29	0.00
	BRBCL	4,426.508	4,483.418	163,154.024	0.00
	TALCHER SOLAR	46.053	47.103	9,824.98	0.00
	JORETHANG HEP	0.000	0.000	0.00	0.00
	IND Barath	0.000	-9.673	-22,025.20	0.00
	HVDC SASARAM	-23.712	-14.496	22,143.32	0.00
	VAE	-1,157.483	0.000	2,286,863.62	0.00
	NVFN	-9,736.658	-10,148.436	-971,825.796	-294,554.85
	CHUZACHEN	134.766	133.559	-7,407.417	0.00
	TUL	3,167.669	3,093.818	-305,387.751	-214,500.23
	DIKCHU	215.443	227.818	47,702.416	0.00
	THEP	0.000	0.000	0.000	0.00
	HVDC ALIPURDUAR	-55.195	-12.920	99,841.369	0.00
	OPGC INFIRM	0.000	-0.073	-103.563	0.00

**SUMMARY OF WEEKLY DEVIATION CHARGES**

	UTILITY	SCHEDULE(MWH)	ACTUAL(MWH)	DEVIATION CHARGE (IN RS)	ADDITIONAL DEVIATION CHARGE (IN RS)
FOR THE WEEK 22/01/18 TO 28/01/18	BSPHCL	-468,799.20	-463,447.26	-3,185,538.00	-2,202,223.68
	JUVNL	-99,695.97	-103,191.64	-15,165,051.00	-1,066,160.01
	DVC	261,866.23	272,413.28	18,660,461.00	-8,463.51
	GRIDCO	-141,344.43	-159,624.01	-46,338,608.00	-11,704,313.22
	SIKKIM	-11,721.60	-10,287.35	3,351,323.00	-13,854.65
	WBSETCL	-123,264.98	-133,807.58	-44,959,328.00	-6,535,428.24
	NER	-24,365.87	55,296.45	204,316,781.00	0.00
	NR	-340,730.10	-410,867.36	-181,871,461.00	0.00
	SR	-139,487.68	-243,712.59	-273,481,379.00	0.00
	WR	-79,969.58	46,224.17	332,051,192.00	0.00
	FSTPP-I & II	201,668.72	199,672.62	-4,981,345.73	-567,313.10
	KHSTPP-I	96,200.31	96,149.00	15,270.33	-983.90
	KHSTPP-II	201,514.74	201,794.08	1,362,200.85	-16,925.08
	TSTPP	130,545.87	131,150.65	1,751,769.97	-8,185.66
	FSTPP-III	59,082.55	58,946.47	-294,322.23	-646.40
	TEESTA	16,384.00	17,834.40	3,860,836.00	0.00
	MAITHON R/B	134,087.55	134,569.96	1,248,754.78	-17,354.46
	RANGIT	2,977.00	3,320.26	954,306.00	0.00
	BARH	196,044.86	195,997.01	1,635,210.80	-381.17
	NVFN-NEPAL	-19,791.07	-20,560.48	-2,174,066.00	0.00
	APNRL	41,263.61	41,642.11	1,174,101.00	0.00
	GMRKEL	50,066.56	49,160.87	-820,837.00	-5,416.86
	JITPL	74,546.43	75,585.45	1,987,986.00	-710.67
	TPCL	6,355.03	3,274.09	-7,951,266.00	0.00
	BRBCL	31,082.30	31,453.27	997,496.52	-535.42
	TALCHER SOLAR	266.99	301.19	268,222.00	0.00
	JORETHANG HEP	0.00	0.00	0.00	0.00
	IND Barath	0.00	-67.85	-172,890.00	0.00
	HVDC SASARAM	-165.63	-109.30	144,525.00	-173.74
	VAE	-9,373.92	0.00	23,163,858.84	0.00
	NVFN-BD	-62,619.17	-63,565.71	-3,112,225.00	-746,575.85
	CHUZACHEN	1,812.26	1,823.29	53,483.00	-1,520.65
	TUL	32,318.83	32,332.00	354,461.82	-214,629.69
	DIKCHU	1,508.10	1,588.82	248,535.50	0.00
	THEP	0.00	0.00	0.00	0.00
	HVDC ALIPURDUAR	-386.37	-92.92	752,582.00	-830.10
	OPGC INFIRM	0.00	-2.18	-5,953.72	0.00

**LEGEND:** Energy: (+ve) means injection, (-ve) means drawal (+) means under drawal/ over injection  
Deviation Charge: (+ve) means receivable, (-ve) means payable (-) means vice-versa

Format -AS7: RRAS Settlement Account by ERPC

Date: 14/02/2018

RRAS Account for Week: 22-Jan-18 to 28-Jan-18

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	1199.57000	1020834	2913756	599785	4534375
2	FSTPP-III	292.33000	445803	712116	146165	1304084
3	KHSTPP-I	1021.55400	1051179	2517109	510777	4079065
4	KHSTPP-II	3773.51300	4165958	8890398	1886758	14943109
5	TSTPP-I	24.25000	22650	34435	12125	69209
6	BARH	1261.27800	2352283	2642377	630639	5625300
7	BRBCL	2225.37700	6969881	4257146	1112688	12339717

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	0.00000	0	0
2	FSTPP I & II	24.25000	58903	44177
3	FSTPP-III	14.98000	36491	27368
4	KHSTPP-I	118.69902	292474	219356
5	KHSTPP-II	6.25000	14725	11044
6	TSTPP-I	0.00000	0	0
7	BARH	0.00000	0	0

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	1199.57000	488591	BSPHCL
			127970	GRIDCO
			14832	SIKKIM
			101870	WBSETCL
			70106	ASSAM
			70005	DELHI
			16911	HARYANA
			59496	PUNJAB
			1981	RAJASTHAN
2	FSTPP-III	292.33000	69071	UP
			85095	BSPHCL
			39617	JUVNL
			16000	DVC
			227388	GRIDCO
3	KHSTPP-I	1021.55400	77703	WBSETCL
			187602	BSPHCL
			449363	GRIDCO
			63737	WBSETCL
			176272	DELHI
			10244	HARYANA
			1550	PUNJAB
			4489	RAJASTHAN
4	KHSTPP-II	3773.51300	157922	UP
			172002	GRIDCO
			832	SIKKIM
			268172	WBSETCL
			21382	ASSAM
			620504	CHATTISGARH
			556	DADRA & NAGAR
			676979	DELHI
			3749	GUJARAT
			73171	HARYANA
			87816	HP
			362711	MAHARASHTRA
			806069	MP
			7323	PUNJAB
87350	RAJASTHAN			
5	TSTPP-I	24.25000	803977	UP
			173365	UTTARAKHAND
6	BARH	1261.27800	680	DVC
			21970	WBSETCL
			2170912	BSPHCL
7	BRBCL	2225.37700	42786	GRIDCO
			138585	SIKKIM
			679536	DVC_Railway
			200695	BSPHCL
			5298706	MAHARASHTRA
			790944	MP

A) RRAS settlement account for the week 22-Jan-18 to 28-Jan-18 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.