



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

Date: 25.01.2018

As per List

**Sub: Statement of Deviation Charges including Additional Deviation Charges & RRAS Settlement Account for the period from 08.01.2018 to 14.01.2018.**

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 08.01.18 TO 14.01.18**

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)	(+) 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)	(-) ADDITIONAL DEVIATION CHARGE TO BE PAID (in Rs. Lakhs)	NET DEVIATION CHARGE RECEIVABLE
GRIDCO	631.32647	132.17105	763.49752	DVC	84.56857	2.03215	82.53642
WBSETCL	433.85895	88.87142	522.73037	SIKKIM	20.19413	0.06328	20.13085
BSPHCL	281.87830	33.55811	315.43641	HVDC ALIPURDUAR	6.58812	0.01539	6.57272
JUVNL	280.02446	29.59191	309.61637	HVDC SASARAM	1.47286	0.00302	1.46985
SR	2597.30236	0.00000	2597.30236	WR	4306.00952	0.00000	4306.00952
NER	2055.94607	0.00000	2055.94607	NR	2208.84778	0.00000	2208.84778
NVVN-NEPAL	28.90963	0.00675	28.91638	BRBCL	26.49787	0.02346	26.47441
NVVN-BD	17.56325	7.95482	25.51807	MAITHON R/B	8.85403	1.40860	7.44543
FSTPP I&II	57.70215	6.50148	64.20363	KHSTPP-II	3.58938	0.51581	3.07357
BARH	16.12921	0.04751	16.17673	TEESTA	37.56058	0.02136	37.53922
KHSTPP-I	12.11814	0.02600	12.14415	CHUZACHEN	1.48655	0.00000	1.48655
GMRKEL	10.01473	0.00506	10.01979	DIKCHU	0.50535	0.00461	0.50074
FSTPP-III	7.73611	4.94193	12.67804	JITPL	14.55939	0.03164	14.52776
TSTPP	3.10524	4.38598	7.49122	APNRL	8.64483	0.01346	8.63138
TPTCL	58.62565	0.00000	58.62565	TALCHER SOLAR	2.20516	0.00000	2.20516
Teesta-III(TUL)	11.97130	24.78066	36.75197				
JORETHANG LOOP HEP	7.45244	0.25802	7.71046				
THEP	6.86943	0.27373	7.14316				
RANGIT	0.69304	0.00696	0.70000				
IND BARATH	0.96527	0.00000	0.96527				
<b>TOTAL</b>	<b>6520.19220</b>	<b>333.38140</b>	<b>6853.57360</b>		<b>6731.58413</b>	<b>4.13278</b>	<b>6727.45135</b>

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

**337.51418**

(All figures in Rs. Lakhs)

<b>Payable to the pool(A):</b>	<b>6520.19220</b>
<b>Payable from the pool(B):</b>	<b>6731.58413</b>
<b>Differential Amount Arising from capping of Thermal Power Stations(A-B)</b>	<b>-211.39193</b>
<b>Additional Deviation Amount:</b>	<b>337.51418</b>
<b>VAE of Eastern Region:</b>	<b>8.82390</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**: Jeyore end of Jeyore -Gajuwaka D/C & East bus of TSPPP 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 Behrampore(IND) - Bheramara(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 wef 00.00 hrs of 20.09.15 and the same has been declared commercial wef 00.00 hrs of 26.09.15.

U#2 of the same project declared commercial wef 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**





**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.
14/01/18	<b>BSPHCL</b>	<b>-74,612.308</b>	<b>-77,298.380</b>	<b>-6,245,588.28</b>	<b>-1,154,888.32</b>
	JUVNL	-13,391.560	-14,379.621	-2,242,830.33	-175,186.67
	DVC	43,286.109	44,162.292	1,797,059.46	-75,693.68
	GRIDCO	-34,522.542	-40,081.211	-10,873,549.80	-2,506,456.31
	SIKKIM	-1,680.249	-1,426.768	500,815.20	-6,327.80
	WBSETCL	-8,665.506	-11,136.136	-4,867,910.75	-2,438,846.61
	NER	-3,248.182	-17,491.485	-27,999,038.00	-24,727,894.45
	NR	-44,863.242	-35,512.949	17,524,543.69	-109,348.67
	SR	-18,297.681	-23,261.864	-9,100,787.19	-7,391,379.83
	WR	-1,746.554	23,395.312	50,218,233.31	-297,135.40
	FSTPP-I & II	33,833.544	33,348.436	-902,521.59	0.00
	KHSTPP-I	14,903.127	14,863.786	25,970.57	0.00
	TSTPP	22,262.015	22,104.134	-135,795.12	0.00
	RANGIT	546.000	524.110	-39,441.12	-186.54
	CHPC	720.000	508.615	-475,615.46	0.00
	KHPC	432.000	-152.330	-1,238,780.45	0.00
	THPC	1,464.000	283.991	-2,501,619.70	0.00
	KHSTPP-II	23,294.121	23,060.996	-313,147.002	-1,032.34
	FSTPP-III	0.000	0.000	0.000	0.00
	TEESTA	2,179.000	2,336.364	338,266.450	0.00
	MAITHON R/B	14,178.647	13,892.763	-506,520.776	-140,860.13
	BARH	29,293.152	29,100.218	-123,364.142	0.00
	NVVN-NEPAL	-2,631.616	-3,010.282	-331,366.886	0.00
	APNRL	5,903.858	5,903.745	96,362.946	0.00
	GMRKEL	7,680.000	7,268.582	-537,827.169	-31.07
	JITPL	9,444.850	9,542.836	114,981.821	-495.12
	TPTCL	870.929	516.923	-701,621.23	0.00
	BRBCL	3,013.381	3,262.964	566,004.673	-2,346.32
	TALCHER SOLAR	44.265	46.289	18,890.97	0.00
	JORETHANG HEP	392.723	437.408	64,657.33	-636.65
	IND Barath	0.000	-6.255	-12,203.56	0.00
	HVDC SASARAM	-23.706	-16.466	14,072.69	-139.60
	VAE	-110.493	0.000	272,584.45	0.00
	NVVN	-9,496.683	-9,576.982	-276,071.196	-61,710.13
	CHUZACHEN	139.849	144.440	8,056.806	0.00
	TUL	4,136.250	4,126.618	40,212.144	0.00
	DIKCHU	299.024	253.545	-91,758.548	0.00
	THEP	480.294	430.496	-100,968.022	-1,566.64
	HVDC ALIPURDUAR	-55.363	-15.188	77,873.268	-790.49

**SUMMARY OF WEEKLY DEVIATION CHARGES**

	UTILITY	SCHEDULE(MWH)	ACTUAL(MWH)	DEVIATION CHARGE (IN RS)	ADDITIONAL DEVIATION CHARGE (IN RS)
<b>FOR THE WEEK 08-01-18 TO 14/01/18</b>	BSPHCL	-490,746.24	-496,384.97	-28,187,830.00	-3,355,811.48
	JUVNL	-99,444.74	-110,065.97	-28,002,446.00	-2,959,190.56
	DVC	233,928.22	240,935.82	8,456,857.00	-203,214.62
	GRIDCO	-201,209.06	-229,797.61	-63,132,647.00	-13,217,105.26
	SIKKIM	-12,369.18	-11,397.61	2,019,413.00	-6,327.80
	WBSETCL	-110,618.99	-125,069.80	-43,385,895.00	-8,887,142.06
	NER	-17,810.78	-110,820.59	-205,594,607.00	0.00
	NR	-354,588.72	-267,020.66	220,884,778.00	0.00
	SR	-83,265.74	-180,158.54	-259,730,236.00	0.00
	WR	-18,139.99	166,744.49	430,600,952.00	0.00
	FSTPP-I & II	217,857.43	215,140.48	-5,770,215.21	-650,147.95
	KHSTPP-I	110,448.92	109,873.29	-1,211,814.29	-2,600.45
	KHSTPP-II	168,283.55	168,118.19	358,938.24	-51,581.48
	TSTPP	133,973.48	133,623.55	-310,523.89	-438,597.89
	FSTPP-III	22,387.46	21,949.15	-773,610.53	-494,193.23
	TEESTA	18,013.00	19,447.27	3,756,058.00	-2,136.00
	MAITHON R/B	144,481.06	144,701.78	885,403.33	-140,860.13
	RANGIT	3,057.75	2,992.76	-69,304.00	-695.62
	BARH	201,304.02	199,873.52	-1,612,921.42	-4,751.17
	NVVN-NEPAL	-19,821.31	-21,113.96	-2,890,963.00	-674.98
	APNRL	41,327.00	41,624.29	864,483.00	-1,345.73
	GMRKEL	53,828.38	52,565.96	-1,001,473.00	-505.95
	JITPL	68,238.89	69,135.78	1,455,939.00	-3,163.72
	TPTCL	6,322.36	3,673.71	-5,862,565.00	0.00
	BRBCL	17,406.24	18,749.33	2,649,787.45	-2,346.32
	TALCHER SOLAR	301.33	324.93	220,516.00	0.00
	JORETHANG HEP	3,141.60	2,771.36	-745,244.00	-25,801.89
	IND Barath	0.00	-44.80	-96,527.00	0.00
	HVDC SASARAM	-174.70	-109.01	147,286.00	-301.52
	VAE	-20.84	0.00	882,390.44	0.00
	NVVN-BD	-60,176.01	-60,642.58	-1,756,325.00	-795,482.32
	CHUZACHEN	2,043.79	2,110.86	148,655.00	0.00
	TUL	34,643.19	33,908.73	-1,197,130.41	-2,478,066.32
	DIKCHU	1,834.32	1,849.09	50,534.82	-461.04
THEP	3,445.13	3,079.65	-686,942.94	-27,372.87	
HVDC ALIPURDUAR	-387.94	-94.35	658,812.00	-1,539.34	

**LEGEND:** Energy:(+ve) means injection, (-ve) means drawal  
Deviation Charge: (+ve) means receivable, (-ve) means payable

(+) means under drawal/ over injection  
(-) means vice-versa

Format -AS7: RRAS Settlement Account by ERPC

Date: 25/01/2018

RRAS Account for Week: 08-Jan-18 to 14-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	656.81400	558948	1723480	328407	2610835
2	FSTPP-III	60.37500	92072	157639	30187	279899
3	KHSTPP-I	427.90900	440319	964080	213955	1618353
4	KHSTPP-II	1609.67300	1777078	3467234	804838	6049151
5	TSTPP-I	0.00000	0	0	0	0
6	BARH	592.50000	1105013	1246620	296250	2647883
7	BRBCL	412.78200	1292833	956002	206391	2455225

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	2418.55250	6346282	4759711
3	FSTPP-III	186.50000	486952	365214
4	KHSTPP-I	503.75250	1134954	851216
5	KHSTPP-II	12.50000	26925	20194
6	TSTPP-I	27.00000	37908	28431
7	BARH	419.80500	883270	662452

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	656.81400	97233	BSPHCL
			148765	GRIDCO
			13809	SIKKIM
			40593	WBSETCL
			15402	ASSAM
			109862	DELHI
			49316	HARYANA
			75665	PUNJAB
			6726	RAJASTHAN
			1577	UP
2	FSTPP-III	60.37500	28594	DVC
			63478	GRIDCO
3	KHSTPP-I	427.90900	23773	BSPHCL
			73806	GRIDCO
			24393	WBSETCL
			227221	DELHI
			23768	HARYANA
			38977	PUNJAB
			28381	RAJASTHAN
4	KHSTPP-II	1609.67300	20180	GRIDCO
			94328	WBSETCL
			427026	CHATTISGARH
			659013	DELHI
			6545	GUJARAT
			59699	HARYANA
			35697	HP
			333999	MAHARASHTRA
52128	MP			
			88463	RAJASTHAN
5	TSTPP-I	0.00000	0	-
6	BARH	592.50000	990298	BSPHCL
			114715	SIKKIM
7	BRBCL	412.78200	369061	DVC_Railway
			920827	MAHARASHTRA
			2945	MP

A) RRAS settlement account for the week 08-Jan-18 to 14-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-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 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.