



सत्यमेव जयते

भारत सरकार
Government of India
विद्युत मंत्रालय
Ministry of Power
पूर्वी क्षेत्रीय विद्युत समिति
Eastern Regional Power Committee
14, गोल्फ क्लब रोड, टालीगंज, कोलकाता-700033
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NO: ERPC/COM-II/ABT-DC

Date: 10.01.2018

As per List

Sub: Statement of Deviation Charges including Additional Deviation Charges & RRAS Settlement Account for the period from 18.12.2017 to 24.12.2017.

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 18.12.17 TO 24.12.17**

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	747.63601	170.56156	918.19757	DVC	188.46475	3.16989	185.29486
WBSETCL	364.64617	73.36887	438.01504	SIKKIM	8.98936	0.03527	8.95409
BSPHCL	234.32797	24.35968	258.68766	HVDC ALIPURDUAR	6.98728	0.03573	6.95155
JUVNL	132.93857	6.92503	139.86360	HVDC SASARAM	3.16536	0.01704	3.14832
NER	2875.64938	0.00000	2875.64938	WR	4691.09164	0.00000	4691.09164
SR	344.93504	0.00000	344.93504	GMRKEL	48.99940	0.00000	48.99940
NR	146.74863	0.00000	146.74863	BRBCL	25.12486	0.58999	24.53486
NVVN-BD	36.96766	7.37630	44.34396	KHSTPP-II	6.70838	0.23351	6.47486
NVVN-NEPAL	32.18183	0.00000	32.18183	KHSTPP-I	6.38417	0.44617	5.93800
FSTPP I&II	65.54666	1.64521	67.19186	TSTPP	0.20051	0.00000	0.20051
BARH	15.02202	0.00000	15.02202	TEESTA	51.18335	0.00062	51.18273
FSTPP-III	14.23518	0.03026	14.26544	RANGIT	6.75975	0.00647	6.75328
MAITHON R/B	12.94230	1.85894	14.80124	CHUZACHEN	1.33314	0.23842	1.09471
TPTCL	43.80792	0.00000	43.80792	JITPL	25.81028	0.00000	25.81028
Teesta-III(TUL)	5.70991	0.17292	5.88283	APNRL	7.45939	0.00000	7.45939
JORETHANG LOOP HEP	2.80798	0.01597	2.82395				
THEP	2.35244	0.02524	2.37768				
DIKCHU	0.00000	0.00000	0.00000				
IND BARATH	1.07144	0.00000	1.07144				
TALCHER SOLAR	0.25422	0.00000	0.25422				
TOTAL	5079.78132	286.33998	5366.12130		5078.66160	4.77312	5073.88848

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

291.11310

(All figures in Rs. Lakhs)

Payable to the pool(A):	5079.78132
Payable from the pool(B):	5078.66160
Differential Amount Arising from capping of Thermal Power Stations(A-B)	1.11972
Additional Deviation Amount:	291.11310
VAE of Eastern Region:	217.21092

**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.
24/12/17	BSPHCL	-58,395.244	-61,061.555	-8,024,060.74	-1,060,741.93
	JUVNL	-12,891.393	-13,423.282	-1,358,069.02	-59,110.35
	DVC	39,062.026	41,151.631	4,591,449.76	0.00
	GRIDCO	-33,933.514	-37,648.114	-9,393,852.56	-1,848,993.42
	SIKKIM	-1,426.248	-1,368.336	178,337.84	0.00
	WBSETCL	-12,827.257	-14,380.491	-3,717,320.72	-1,265,712.90
	NER	-260.295	-15,718.036	-41,350,441.92	-36,938,986.09
	NR	-40,776.508	-37,414.466	10,421,970.85	-1,170,518.53
	SR	-20,851.524	-26,866.037	-16,336,179.31	-15,637,926.63
	WR	-5,518.469	19,487.460	64,747,756.31	0.00
	FSTPP-I & II	23,996.248	23,411.784	-1,351,816.39	0.00
	KHSTPP-I	13,342.311	13,461.451	264,502.81	-356.12
	TSTPP	11,018.231	10,990.590	-47,885.55	0.00
	RANGIT	558.000	572.276	41,180.52	0.00
	CHPC	480.000	1,147.318	1,501,464.51	0.00
	KHPC	408.000	-563.148	-2,058,833.76	0.00
	THPC	2,520.000	960.482	-3,306,177.94	0.00
	KHSTPP-II	29,558.557	29,538.201	18,444.619	0.00
	FSTPP-III	9,390.360	9,308.579	-179,636.569	0.00
	TEESTA	3,059.000	3,294.582	694,940.564	-62.14
	MATTHON R/B	10,626.108	10,704.727	190,707.052	0.00
	BARH	29,747.321	29,737.636	68,611.622	0.00
	NVVN-NEPAL	-2,605.392	-2,780.746	-439,496.316	0.00
	APNRL	5,903.151	5,949.527	122,424.863	0.00
	GMRKEL	6,600.000	7,029.018	1,357,451.452	0.00
	JITPL	8,325.801	8,575.345	683,941.824	0.00
	TPTCL	871.866	617.448	-660,598.50	0.00
	BRBCL	2,846.435	3,111.982	588,916.605	0.00
	TALCHER SOLAR	37.788	35.517	-21,227.77	0.00
	JORETHANG HEP	513.628	501.792	2,885.16	0.00
	IND Barath	0.000	-7.200	-18,565.28	0.00
	HVDC SASARAM	-21.104	-0.735	53,430.04	0.00
	VAE	-1,723.788	0.000	4,361,601.08	0.00
	NVVN	-9,639.911	-9,622.982	-136,666.024	-214,615.14
	CHUZACHEN	269.820	276.448	30,530.982	0.00
	TUL	5,347.176	5,362.982	184,548.718	0.00
	DIKCHU	0.000	0.000	0.000	0.00
	THEP	542.128	530.432	-14,531.089	0.00
	HVDC ALIPURDUAR	-55.576	-15.490	106,703.923	0.00

SUMMARY OF WEEKLY DEVIATION CHARGES

	UTILITY	SCHEDULE(MWH)	ACTUAL(MWH)	DEVIATION CHARGE (IN RS)	ADDITIONAL DEVIATION CHARGE (IN RS)
FOR THE WEEK 18/12/17 TO 24/12/17	BSPHCL	-409,922.43	-414,397.24	-23,432,797.00	-2,435,968.41
	JUVNL	-94,387.45	-98,031.89	-13,293,857.00	-692,503.33
	DVC	259,084.14	268,521.68	18,846,475.00	-316,989.43
	GRIDCO	-208,282.49	-238,948.13	-74,763,601.00	-17,056,156.32
	SIKKIM	-10,692.13	-10,475.26	898,936.00	-3,526.84
	WBSETCL	-104,519.43	-116,561.45	-36,464,617.00	-7,336,887.00
	NER	612.74	-117,125.97	-287,564,938.00	0.00
	NR	-294,517.10	-306,623.20	-14,674,863.00	0.00
	SR	-185,353.56	-187,742.95	-34,493,504.00	0.00
	WR	-48,012.56	141,392.17	469,109,164.00	0.00
	FSTPP-I & II	210,689.54	207,984.61	-6,554,665.72	-164,520.63
	KHSTPP-I	85,526.53	85,705.00	638,416.98	-44,616.74
	KHSTPP-II	202,945.61	203,040.70	670,837.53	-23,351.30
	TSTPP	75,662.33	75,577.98	20,050.59	0.00
	FSTPP-III	63,983.58	63,377.34	-1,423,518.09	-3,025.79
	TEESTA	22,973.00	24,866.04	5,118,335.00	-62.14
	MATTHON R/B	75,987.12	75,386.91	-1,294,230.28	-185,893.77
	RANGIT	3,910.50	4,178.09	675,975.00	-647.21
	BARH	207,410.09	206,124.65	-1,502,202.16	0.00
	NVVN-NEPAL	-18,237.75	-19,525.41	-3,218,183.00	0.00
	APNRL	41,322.05	41,581.38	745,939.00	0.00
	GMRKEL	44,861.28	46,132.29	4,899,940.00	0.00
	JITPL	66,306.28	67,386.40	2,581,028.00	0.00
	TPTCL	6,251.27	4,425.30	-4,380,792.00	0.00
	BRBCL	23,180.08	24,520.33	2,512,485.80	-58,999.41
	TALCHER SOLAR	284.01	281.44	-25,422.00	0.00
	JORETHANG HEP	3,747.72	3,412.58	-280,798.00	-1,596.92
	IND Barath	0.00	-43.42	-107,144.00	0.00
	HVDC SASARAM	-134.87	-5.48	316,536.00	-1,704.15
	VAE	-7,147.03	0.00	21,721,092.46	0.00
	NVVN-BD	-61,048.01	-62,484.36	-3,696,766.00	-737,630.44
	CHUZACHEN	2,568.57	2,630.69	133,314.00	-23,842.44
	TUL	44,762.03	44,282.62	-570,990.80	-17,291.82
	DIKCHU	0.00	0.00	0.00	0.00
	THEP	3,950.99	3,813.50	-235,244.12	-2,523.59
	HVDC ALIPURDUAR	-389.03	-106.22	698,728.00	-3,572.77

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: 10/01/2018

RRAS Account for Week: 18-Dec-17 to 24-Dec-17

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	2357.99300	2006652	6187376	1178996	9373024
2	FSTPP-III	674.45500	1028543	1761001	337227	3126772
3	KHSTPP-I	1123.38800	1155967	2530993	561693	4248651
4	KHSTPP-II	3258.71000	3597616	7019260	1629354	12246232
5	TSTPP-I	0.00000	0	0	0	0
6	BARH	95.50000	178108	200932	47750	426790
7	BRBCL	919.04300	2878443	2128504	459521	5466470

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	360.32750	945499	709125
3	FSTPP-III	0.00000	0	0
4	KHSTPP-I	226.93000	511273	383455
5	KHSTPP-II	0.00000	0	0
6	TSTPP-I	91.25750	128126	96094
7	BARH	423.25000	890518	667889

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	2357.99300	1433282	BSPHCL
			21830	JUVNL
			4583	SIKKIM
			179216	WBSETCL
			81994	ASSAM
			57151	DELHI
			4753	HARYANA
			24381	PUNJAB
			33250	RAJASTHAN
2	FSTPP-III	674.45500	166212	UP
			78212	BSPHCL
			77276	JUVNL
			5458	DVC
3	KHSTPP-I	1123.38800	146163	GRIDCO
			721434	WBSETCL
			4099	SIKKIM
			88153	WBSETCL
			11936	ASSAM
			248613	DELHI
			14627	HARYANA
			64394	PUNJAB
4	KHSTPP-II	3258.71000	51918	RAJASTHAN
			672227	UP
			148	SIKKIM
			203224	WBSETCL
			73077	ASSAM
			438334	CHATTISGARH
			648223	DELHI
			129960	GUJARAT
			9517	HARYANA
			107029	HP
			235409	MAHARASHTRA
			123135	MP
			155599	PUNJAB
293513	RAJASTHAN			
1178641	UP			
1807	UTTARAKHAND			
5	TSTPP-I	0.00000	0	-
6	BARH	95.50000	178108	SIKKIM
7	BRBCL	919.04300	920183	DVC_Railway
			241409	BSPHCL
			1716851	MAHARASHTRA

A) RRAS settlement account for the week 18-Dec-17 to 24-Dec-17 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.