



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



आई एस ओ : 9001-2008
ISO : 9001-2008

Tel No. :033-24239651, 24239650 FAX No.:033-24239652, 24239653 Web: www.erpc.gov.in

NO: ERPC/COM-II/ABT-DC/6602-36

Date: 11.12.2018

As per List

Sub: Statement of Deviation Charges including Additional Deviation Charges & RRAS Settlement Account for the period from 19.11.2018 to 25.11.2018.

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 last installment of data for the subjected week has been received from ERLDC on 07.12.2018.

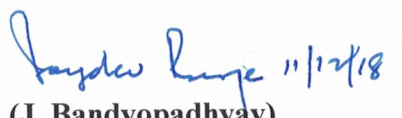
The constituents, who have to pay the Deviation Charges as indicated in the statement, are requested to make the payment to the Deviation Pool account operated by ERLDC within 10 days of the billing date. In case of delayed payments for Deviation charges against these bills beyond 12 days, the defaulting 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

ABT based Deviation Charge Account
For the period 19.11.18 TO 25.11.18

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	521.59308	68.37200	589.96508	BSPHCL	111.19946	3.20163	107.99783
DVC	483.91971	103.29193	587.21163	HVDC ALIPURDUAR	6.34417	0.02966	6.31451
WBSETCL	428.45243	88.83032	517.28275	HVDC SASARAM	3.51440	0.01125	3.50315
JUVNL	17.37564	3.93020	21.30584	WR	7499.66760	0.00000	7499.66760
SIKKIM	3.39086	0.21402	3.60489	BRBCL	10.32471	3.39963	6.92508
NER	2042.82951	0.00000	2042.82951	TSTPP	8.74672	0.00167	8.74505
SR	1930.28233	0.00000	1930.28233	KHSTPP-I	6.55717	0.14655	6.41062
NR	1825.90930	0.00000	1825.90930	TEESTA	64.34036	0.15615	64.18420
NVVN-NEPAL	74.21091	0.37581	74.58672	RANGIT	5.42632	0.00763	5.41869
NVVN-BD	16.80763	1.52451	18.33215	CHUZACHEN	1.82972	0.00000	1.82972
FSTPP I&II	86.43926	8.54166	94.98092	DIKCHU	0.51228	0.00000	0.51228
GMRKEL	48.72794	0.01623	48.74417	JITPL	1.20383	0.02170	1.18213
MTPS-II	40.05224	0.00587	40.05811	TALCHER SOLAR	0.21468	0.00000	0.21468
FSTPP-III	27.65157	0.16081	27.81238				
BARH	14.95710	0.00000	14.95710				
MAITHON R/B	10.80608	0.00000	10.80608				
KHSTPP-II	0.16865	1.76966	1.93831				
TPCL	92.07096	0.00000	92.07096				
Teesta-III(TUL)	4.48188	2.40571	6.88759				
JORETHANG LOOP HEP	4.01286	0.02791	4.04077				
THEP	2.64886	0.00000	2.64886				
APNRL	15.00770	2.66382	17.67152				
IND BARATH	0.00000	0.00000	0.00000				
OPGC_INFIRM	20.49771	0.00000	20.49771				
NPGC_INFIRM	16.53723	0.00000	16.53723				
DARLIPALI_INFIRM	7.05710	0.00000	7.05710				
BRBCL U-III_INFIRM	1.65178	0.00000	1.65178				
TOTAL	7737.54034	282.13046	8019.67079		7719.88143	6.97587	7712.90556

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

289.10633

(All figures in Rs. Lakhs)

Payable to the pool(A):	7737.54034
Payable from the pool(B):	7719.88143
Differential Amount Arising from capping of Thermal Power Stations(A-B)	17.65890
Additional Deviation Amount:	289.10633
VAE of Eastern Region:	168.20822

i) Metering points for Inter-Regional Exchange:-

- a) **Northern Region:** Pusauli East Bus and ER end of other A.C. Ties
 - b) **Western Region :** Ranchi end of Ranchi-Dharamiavzarh 765kV D/C, ER end of Sundergarh-Dharamiavzarh 765kV D/C, ER end of Sundergarh-Raizarh 400kV O/C, ER end of Ranchi-Sirat 400kV D/C, Budinadar-Korba 220 kV lines & Budhinadar-Raizarh 220kV D/C Lines
 - c) **Southern Region:** Angul end of Angul-Sirkakulam 765kVD/C Lines, Jeypore end of Jeypore -Gajuwaka D/C & East bus of TSTPP Stage I & II interconnector.
 - d) **North Eastern Region:** NER end of 220 kV Alipurduar -Salakati D/C ,400 kV Alipurduar Bongaigaon and 400kV Binuguri - Bongaigaon D/C lines.
- ii) For computing Deviation Charge for the week , Korba meter(NP2657A) 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) As informed by ERLDC THEP Unit-01 & 02 both declared COD wef 00:00 Hrs of 18.10.17
- viii) As informed by ERLDC OPGC (2*660 MW), new Pool Member of ER, has started drawing power in small quantity from 15.01.18.
- ix) As per CERC Order 20/MP/2017 dated 09.03.18 MTPS Stg-II becomes a new regional entity and DSM Pool member of ER wef 01.04.18
- x) 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
- xi) As informed by ERLDC DARLPAL(NTPC) became a regional entity and DSM pool member wef 31.05.18.
- xii) As informed by ERLDC BRBCL Unit-3 Start Up power drawl started wef 14.09.2018.**

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

DATE	BENEFICIARY	SCH. TOTAL IN MWH	ACTUAL DRAWAL/GEN TOTAL IN MWH	DEVIATION CHARGE IN Rs.	Page 3 of 3
					Additional Deviation Charge in Rs.
25/11/18	BSPHCL	-68,274.238	-66,504.078	23,30,056.39	-1,63,440.71
	JUNL	-13,850.695	-13,736.182	-35,882.35	-2,254.22
	DVC	17,262.583	11,329.308	-1,24,01,737.93	-62,74,932.11
	GRIDCO	-33,629.728	-36,728.841	-62,20,285.92	-4,93,010.05
	SIKIM	-1,542.968	-1,376.643	4,07,729.06	0.00
	WBSETCL	-20,908.679	-22,421.838	-32,80,883.25	-2,96,423.16
	NER	851.079	-11,408.335	-2,52,60,541.11	-2,18,34,696.87
	NR	-36,026.742	-38,494.565	-57,31,389.78	-55,78,689.99
	SR	-34,700.559	-44,444.062	-2,14,77,623.13	-1,86,30,295.50
	WR	593.997	37,419.909	7,81,63,636.56	-3,59,185.73
	FSTPP-I & II	35,031.458	34,361.490	-13,49,429.94	0.00
	KHSTPP-I	12,677.807	12,656.251	54,873.33	0.00
	TSPP	18,477.500	18,683.336	30,509.38	0.00
	RANGIT	722.000	749.365	65,696.79	0.00
	CHPC	0.000	1,150.696	29,34,274.57	0.00
	KHPC	0.000	327.344	6,53,970.13	0.00
	THPC	2,957.275	1,141.481	-38,49,462.71	0.00
	KHSTPP-II	27,609.033	27,484.438	-1,30,557.549	0.00
	FSTPP-III	0.000	0.000	0.000	0.00
	TEESTA	3,917.000	4,382.291	10,07,748.790	0.00
	MAITHON R/B	21,895.375	21,740.400	-1,96,221.567	0.00
	BARH	29,496.432	29,181.381	-4,75,818.781	0.00
	NVN-NEPAL	-2,070.810	-2,520.624	-9,38,034.683	0.00
	APNRL	6,854.221	8,632.073	-5,59,598.350	-2,66,382.48
	GMRKEL	13,158.350	12,405.818	-14,55,583.823	-466.76
	JITPL	9,446.473	9,498.982	1,33,915.591	0.00
	TPTCL	1,161.248	575.484	-12,00,389.13	0.00
	BRBCL	9,376.202	9,271.170	-4,27,713.262	-3,28,874.08
	TALCHER SOLAR	45.028	48.197	29,635.76	0.00
	JORETHANG HEP	648.068	621.088	12,652.08	0.00
	IND Barath	0.000	0.000	0.000	0.00
	HVDC SASARAM	-18.900	-0.707	37,196.01	0.00
	VAE	-706.838	0.000	14,40,339.98	0.00
	NVN	-14,927.915	-14,957.309	-64,682.774	-22,522.82
	CHUZACHEN	446.905	465.884	46,736.370	0.00
	TUL	8,075.662	7,637.091	-9,96,142.866	-2,35,856.53
	DIKCHU	484.827	490.455	22,627.030	0.00
	THEP	685.586	682.528	-60,030.516	0.00
	HVDC ALIPURDUAR	-55.645	-17.408	78,789.689	0.00
	OPGC_INFIRM	0.000	-121.304	-2,50,809.187	0.00
	MTPS-II	7,156.129	6,877.736	-5,26,342.038	0.00
NPGC_INFIRM	0.000	72.547	-1,46,665.043	0.00	
DARLIPALI_INFIRM	0.000	-36.824	-76,345.081	0.00	
BRBCL U-III INFIRM	0.000	-5.933	-12,238.451	0.00	

SUMMARY OF WEEKLY DEVIATION CHARGES

	UTILITY	SCHEDULE(MWH)	ACTUAL(MWH)	DEVIATION CHARGE (IN RS)	ADDITIONAL DEVIATION CHARGE (IN RS)
FOR THE WEEK 19/11/18 TO 25/11/18	BSPHCL	-4,76,349.35	-4,67,869.32	1,11,19,946.00	-3,20,162.77
	JUNL	-1,04,360.81	-1,03,026.95	-13,37,364.00	-3,93,019.51
	DVC	1,93,383.44	1,71,824.09	-4,83,91,971.00	-1,03,29,192.73
	GRIDCO	-2,42,502.20	-2,67,189.44	-5,21,59,308.00	-68,37,199.83
	SIKIM	-10,991.15	-11,123.97	-3,39,086.00	-21,402.50
	WBSETCL	-1,73,052.96	-1,89,368.41	-4,28,45,243.00	-88,83,031.98
	NER	6,591.64	-81,641.25	-20,42,82,951.00	0.00
	NR	-2,42,933.74	-3,13,487.87	-18,25,90,939.00	0.00
	SR	-2,65,063.69	-3,43,020.41	-19,30,28,233.00	0.00
	WR	-66,566.75	2,46,814.52	74,99,66,760.00	0.00
	FSTPP-I & II	2,31,093.88	2,27,206.26	-86,43,926.10	-8,54,166.36
	KHSTPP-I	1,04,362.48	1,04,339.18	6,55,717.08	-14,654.74
	KHSTPP-II	1,94,849.94	1,94,610.13	-16,863.16	-1,76,966.19
	TSPP	1,40,108.75	1,40,342.38	8,74,672.41	-167.24
	FSTPP-III	51,396.05	50,090.57	-27,65,157.50	-16,080.58
	TEESTA	28,206.50	30,983.82	64,34,036.00	-15,615.45
	MAITHON R/B	1,51,965.88	1,51,286.18	-10,80,608.32	0.00
	RANGIT	5,412.00	5,604.45	5,42,632.00	-763.26
	BARH	2,05,311.42	2,03,946.11	-14,95,709.77	0.00
	NVN-NEPAL	-14,495.67	-17,577.34	-74,21,091.00	-37,580.75
	APNRL	61,579.48	60,767.20	-15,00,770.00	-2,66,382.48
	GMRKEL	91,266.28	87,905.53	-48,72,794.00	-1,622.89
	JITPL	46,372.34	46,402.54	1,20,383.00	-2,169.53
	TPTCL	8,128.73	4,162.75	-92,07,096.00	0.00
	BRBCL	65,227.45	65,676.65	10,32,471.40	-3,39,963.11
	TALCHER SOLAR	266.78	269.47	21,468.00	0.00
	JORETHANG HEP	5,031.51	4,538.40	-4,01,286.00	-2,791.04
	IND Barath	0.00	0.00	0.00	0.00
	HVDC SASARAM	-159.06	-8.21	3,51,440.00	-1,125.27
	VAE	7,099.25	0.00	1,68,20,821.54	0.00
	NVN-BD	-1,01,211.06	-1,01,872.36	-16,80,763.00	-1,52,451.33
	CHUZACHEN	3,302.79	3,357.95	1,82,972.00	0.00
	TUL	56,659.70	56,064.94	-4,48,187.98	-2,40,571.05
	DIKCHU	3,731.59	3,692.36	51,228.14	0.00
	THEP	5,002.48	4,760.42	-2,64,886.05	0.00
	HVDC ALIPURDUAR	-389.51	-116.57	6,34,417.00	-2,966.05
	OPGC_INFIRM	0.00	-877.39	-20,49,771.15	0.00
	MTPS-II	51,606.15	49,609.71	-40,05,224.13	-586.59
	NPGC_INFIRM	0.00	691.52	-16,53,722.57	0.00
	DARLIPALI_INFIRM	0.00	-304.54	-7,05,710.24	0.00
	BRBCL U-III INFIRM	0.00	-69.81	-1,65,177.98	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: 07/12/2018

RRAS Account for Week: 19-Nov-18 to 25-Nov-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	2017.63700	1684727	5011809	1008818	7705355
2	FSTPP-III	529.02700	795657	1320981	264514	2381151
3	KHSTPP-I	440.55500	469191	967900	220278	1657368
4	KHSTPP-II	1163.25700	1277258	2442839	581630	4301726
5	TSTPP-I	0.00000	0	0	0	0
6	BARH	827.21400	1542755	1614722	413607	3571085
7	BRBCL	1553.89400	3769746	2985030	776947	7531722
8	MTPS-II	1780.18300	4181648	4516323	890092	9588063
	Total	8311.76700	13720982	18859604	4155886	36736470

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	17.07500	32801	24601
2	MTPS-II	270.06750	685161	513871
3	FSTPP I & II	227.25000	564489	423367
4	FSTPP-III	302.32500	754906	566179
5	KHSTPP-I	116.85146	256723	192542
6	KHSTPP-II	89.45142	187848	140886
7	TSTPP-I	0.00000	0	0
8	BARH	119.13000	232542	174406
	Total	1142.15039	2714469	2035852

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	2017.63700	318423	BSPHCL
			804337	JUVNL
			5951	GRIDCO
			62327	SIKKIM
			156276	ASSAM
			100465	DELHI
			10054	HARYANA
			50333	RAJASTHAN
			176561	UP
2	FSTPP-III	529.02700	794415	BSPHCL
			1242	ASSAM
3	KHSTPP-I	440.55500	41564	BSPHCL
			57910	JUVNL
			8155	SIKKIM
			186523	DELHI
			1	HARYANA
			66000	RAJASTHAN
			109038	UP
4	KHSTPP-II	1163.25700	51063	JUVNL
			1212	SIKKIM
			19489	ASSAM
			208378	CHATTISGARH
			237960	DELHI
			19919	GUJARAT
			19468	HP
			195392	MAHARASHTRA
			199539	RAJASTHAN
			245898	UP
			78940	UTTARAKHAND
5	TSTPP-I	0.00000	0	-
6	BARH	827.21400	65275	BSPHCL
			1399519	JUVNL
			77961	SIKKIM
7	BRBCL	1553.89400	290532	BIHAR_RAILWAYS
			832548	MAHARASHTRA RAILWAYS
			1608395	MP RAILWAYS
			1038271	RAILWAYS
8	MTPS-II	1780.18300	905309	BSPHCL
			2345141	GRIDCO
			930629	WBSETCL
			569	TS_TRANSOCO
Total		8311.76700	13720982	

A) RRAS settlement account for the week 19-Nov-18 to 25-Nov-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.