

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/5971-6005

Date: 26.11.2018

As per List

Sub: Statement of Deviation Charges including Additional Deviation Charges & RRAS Settlement Account for the period from 05.11.2018 to 11.11.2018.

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 21.11.2018.


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 05.11.18 TO 11.11.18

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	532.19504	67.37600	599.57104	BSPHCL	61.77123	4.60471	57.16652
DVC	528.20546	239.58303	767.78850	SIKKIM	33.71959	0.08995	33.62964
WBSETCL	172.45451	19.11979	191.57431	HVDC ALIPURDUAR	4.18762	0.00391	4.18371
JUVNL	17.37430	2.95863	20.33292	HVDC SASARAM	3.65175	0.00852	3.64323
NER	1871.57344	0.00000	1871.57344	WR	4467.64306	0.00000	4467.64306
SR	1055.09329	0.00000	1055.09329	BRBCL	26.33244	1.16033	25.17211
NVVN-BD	101.34524	39.33949	140.68473	KHSTPP-II	16.83554	0.35466	16.48088
NR	81.73101	0.00000	81.73101	TSTPP	7.87357	0.03275	7.84082
NVVN-NEPAL	1.20049	1.08953	2.29002	KHSTPP-I	7.84755	0.09319	7.75436
MTPS-II	60.99946	0.02733	61.02680	MAITHON R/B	7.31325	0.03816	7.27509
FSTPP I&II	42.21400	0.03787	42.25187	BARH	5.56198	0.05783	5.50415
GMRKEL	41.77298	0.41979	42.19277	TEESTA	54.41902	1.43243	52.98659
FSTPP-III	32.56250	4.49198	37.05447	DIKCHU	14.09053	0.07814	14.01239
TPTCL	142.89577	0.00165	142.89742	Teesta-III(TUL)	6.74399	0.00625	6.73774
JORETHANG LOOP HEP	11.74835	0.00451	11.75286	RANGIT	6.22266	0.02041	6.20225
THEP	7.95211	0.00305	7.95517	CHUZACHEN	2.33676	0.00684	2.32991
APNRL	2.86844	0.00000	2.86844	JITPL	13.04919	0.01502	13.03417
IND BARATH	0.00000	0.00000	0.00000	Adj for TPTCL (for 29.09.18)	43.55790	0.00000	43.55790
TALCHER SOLAR	1.21764	0.00000	1.21764				
OPGC INFIRM	29.78183	0.00000	29.78183				
NPGC INFIRM	10.73409	0.00000	10.73409				
BRBCL U-III INFIRM	10.41218	0.00000	10.41218				
DARLIPALI INFIRM	4.51844	0.00000	4.51844				
TOTAL	4760.85056	374.45266	5135.30322		4783.15762	8.00312	4775.15451

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

382.45578

(All figures in Rs. Lakhs)

Payable to the pool(A):	4760.85056
Payable from the pool(B):	4783.15762
Differential Amount Arising from capping of Thermal Power Stations(A-B)	-22.30707
Additional Deviation Amount:	382.45578
VAE of Eastern Region:	141.46375

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-Sipat 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.**
- xii) The adjustment for TPTCL has been done due to the revision of schedule on 29.09.18.**

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.
11-11-18	BSPHCL	-71,533.572	-71,582.842	-6,45,676.90	-72,653.42
	JUNL	-15,710.569	-14,903.627	18,04,177.36	0.00
	DVC	9,598.207	8,733.564	-26,12,097.73	-7,26,068.67
	GRIDCO	-41,172.493	-44,741.031	-95,02,288.61	-11,00,547.82
	SIKKIM	-1,172.645	-1,255.105	-1,86,738.39	0.00
	WBSETCL	-19,887.006	-20,899.548	-23,58,480.91	-4,47,470.53
	NER	2,914.421	-9,028.661	-3,09,54,329.39	-2,66,65,918.43
	NR	-28,095.437	-32,602.089	-1,35,78,182.82	-1,31,02,159.19
	SR	-47,664.059	-51,715.236	-82,91,804.56	-63,32,750.95
	WR	18,459.180	44,804.813	6,85,44,987.45	-280.96
	FSTPP-I & II	35,373.036	35,064.695	-7,45,646.34	0.00
	KHSTPP-I	14,591.881	14,635.075	1,93,277.83	0.00
	TSPP	10,735.000	10,831.983	1,83,603.26	0.00
	RANGIT	898.500	932.272	91,642.57	0.00
	CHPC	931.588	1,817.146	22,58,173.86	0.00
	KHPC	120.000	320.850	4,25,802.00	0.00
	THPC	4,263.383	1,802.594	-52,16,870.72	0.00
	KHSTPP-II	27,736.130	27,874.307	4,73,910.959	0.00
	FSTPP-III	10,886.499	10,633.086	-6,11,709.126	0.00
	TEESTA	4,620.007	4,916.618	8,37,561.111	0.00
	MAITHON R/B	14,662.858	14,984.800	8,41,120.402	0.00
	BARH	29,442.284	29,367.927	-14,057.281	0.00
	NVFN-NEPAL	-1,737.648	-2,080.944	-9,53,206.271	-266.37
	APNRL	6,532.242	8,516.000	-31,034.983	0.00
	GMRKEL	12,983.914	12,675.636	-3,43,031.811	-27,603.88
	JITPL	9,391.634	9,459.345	2,27,760.283	0.00
	TPTCL	1,546.032	1,565.384	-22,64,770.02	0.00
	BRBCL	8,858.388	8,981.368	3,30,565.336	0.00
	TALCHER SOLAR	39.713	39.788	704.06	0.00
	JORETHANG HEP	865.660	740.800	-2,27,678.88	0.00
	IND Barath	0.000	0.000	0.00	0.00
	HVDC SASARAM	-22.494	-0.551	56,682.13	0.00
	VAE	-1,840.615	0.000	45,09,371.60	0.00
	NVFN	-12,646.015	-11,444.873	1,30,077.646	-7,840.02
	CHUZACHEN	464.336	485.707	55,898.998	0.00
	TUL	9,312.473	9,364.873	1,88,218.012	0.00
	DIKCHU	582.340	627.818	1,35,103.637	0.00
	THEP	862.174	813.472	-53,680.425	0.00
	HVDC ALIPURDUAR	-55.689	-17.466	98,271.030	0.00
	OPGC_INFIRM	0.000	-249.573	-6,38,869.374	0.00
	MTPS-II	6,933.065	6,985.540	-8,02,800.035	0.00
	NPGC_INFIRM	0.000	-27.706	-68,917.317	0.00
	DARLIPALI_INFIRM	0.000	-21.663	-57,186.208	0.00
	BRBCL U-III INFIRM	0.000	-74.968	-1,87,793.800	0.00

SUMMARY OF WEEKLY DEVIATION CHARGES

	UTILITY	SCHEDULE(MWH)	ACTUAL(MWH)	DEVIATION CHARGE (IN RS)	ADDITIONAL DEVIATION CHARGE (IN RS)
FOR THE WEEK 05-11-18 TO 11-11-18	BSPHCL	-5,24,228.38	-5,16,722.74	61,77,123.00	-6,60,471.19
	JUNL	-1,09,284.29	-1,08,542.89	-17,37,430.00	-2,95,862.84
	DVC	1,15,087.20	90,583.77	-5,28,20,546.00	-2,39,58,303.30
	GRIDCO	-2,95,793.17	-3,21,503.83	-5,32,19,504.00	-67,37,599.60
	SIKKIM	-10,091.04	-8,733.07	-33,71,253.00	-8,996.68
	WBSETCL	-1,97,013.33	-2,02,698.49	-1,72,45,451.00	-19,11,979.21
	NER	2,366.33	-78,771.05	-18,71,57,344.00	0.00
	NR	-1,79,193.98	-1,72,393.22	-81,73,101.00	0.00
	SR	-3,00,290.81	-3,45,234.77	-10,55,09,329.00	0.00
	WR	1,41,234.70	3,30,675.02	44,67,64,306.00	0.00
	FSTPP-I & II	2,26,950.58	2,24,662.00	-42,21,400.47	-3,786.79
	KHSTPP-I	1,02,501.07	1,02,592.16	7,84,754.82	-9,319.27
	KHSTPP-II	1,97,555.34	1,97,746.15	16,83,554.18	-35,466.33
	TSPP	1,27,472.38	1,27,588.91	7,87,357.41	-3,275.18
	FSTPP-III	63,383.30	61,739.19	-32,56,249.66	-4,49,197.76
	TEESTA	36,264.00	38,548.07	54,41,902.00	-1,43,242.92
	MAITHON R/B	1,18,075.33	1,18,126.29	7,31,325.29	-3,816.45
	RANGIT	6,631.00	6,871.94	6,22,266.00	-2,041.30
	BARH	1,57,620.21	1,57,316.62	5,56,198.29	-5,782.98
	NVFN-NEPAL	-11,651.43	-11,168.35	-1,20,040.00	-1,08,953.12
	APNRL	62,211.53	61,826.33	-2,86,844.00	0.00
	GMRKEL	93,707.20	90,224.29	-41,77,298.00	-41,978.94
	JITPL	70,438.72	70,916.14	13,04,912.00	-1,502.06
	TPTCL	11,111.34	4,853.19	-1,42,89,577.00	-165.38
	BRBCL	47,855.52	49,041.62	26,33,244.01	-1,16,033.36
	TALCHER SOLAR	260.83	247.90	-1,21,764.00	0.00
	JORETHANG HEP	6,360.38	5,242.46	-13,74,835.00	-451.36
	IND Barath	0.00	0.00	0.00	0.00
	HVDC SASARAM	-164.11	-4.22	3,65,175.00	-852.13
	VAE	-5,945.86	0.00	1,41,46,374.82	0.00
	NVFN-BD	-93,530.06	-97,956.65	-1,01,34,524.00	-39,33,949.11
	CHUZACHEN	4,154.17	4,237.04	2,33,676.00	-684.20
	TUL	67,569.76	67,506.76	6,74,398.77	-624.81
	DIKCHU	4,351.23	4,904.82	14,09,052.99	-7,814.17
	THEP	6,523.32	5,927.46	-7,95,211.36	-305.37
	HVDC ALIPURDUAR	-302.23	-124.89	4,18,762.00	-390.74
	OPGC_INFIRM	0.00	-1,304.54	-29,78,183.15	0.00
	MTPS-II	49,328.70	46,203.14	-60,99,946.49	-2,733.29
	NPGC_INFIRM	0.00	-462.90	-10,73,409.44	0.00
	DARLIPALI_INFIRM	0.00	-194.55	-4,51,844.38	0.00
	BRBCL U-III INFIRM	0.00	-461.91	-10,41,217.78	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



RRAS Account for Week: 05-Nov-18 to 11-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	978.02400	816650	2212290	489012	3517950
2	FSTPP-III	306.75000	461353	697550	153375	1312277
3	KHSTPP-I	1315.76700	1401293	3018370	657884	5077547
4	KHSTPP-II	1773.18100	1946952	3888587	886591	6722129
5	TSTPP-I	0.00000	0	0	0	0
6	BARH	1014.41700	1891887	2028833	507208	4427929
7	BRBCL	1392.90200	3379179	2777447	696451	6853075
	Total	6781.04100	9897314	14623077	3390521	27910907

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	28.25000	56331	42248
2	FSTPP I & II	264.39500	598061	448546
3	FSTPP-III	55.50000	126207	94655
4	KHSTPP-I	169.93224	389825	292368
5	KHSTPP-II	130.26367	285668	214251
6	TSTPP-I	18.25000	28762	21572
7	BARH	55.75000	111500	83625
	Total	722.34091	1596354	1197265

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	978.02400	184472	BSPHCL
			92427	JUVNL
			60997	SIKKIM
			107058	WBSETCL
			46146	WB SOLAR
			102218	ASSAM
			44038	DELHI
			13461	HARYANA
			29424	J & K
			27894	RAJASTHAN
		108515	UP	
2	FSTPP-III	306.75000	101855	BSPHCL
			345120	WBSETCL
			14378	WB SOLAR
3	KHSTPP-I	1315.76700	754637	BSPHCL
			6729	JUVNL
			15238	WB SOLAR
			6725	ASSAM
			57311	DELHI
			32581	HARYANA
			75240	J & K
			12503	RAJASTHAN
			440329	UP
4	KHSTPP-II	1773.18100	1827	BSPHCL
			7948	JUVNL
			22133	WB SOLAR
			8526	ASSAM
			110732	CHATTISGARH
			9514	DADRA & NAGAR
			265085	DELHI
			22169	GUJARAT
			85380	HARYANA
			161588	HP
			313991	J & K
			337699	MAHARASHTRA
			48473	MP
			122122	RAJASTHAN
221739	UP			
208026	UTTARAKHAND			
5	TSTPP-I	0.00000	0	-
6	BARH	1014.41700	37300	BSPHCL
			1699052	JUVNL
			155535	SIKKIM
7	BRBCL	1392.90200	352262	BIHAR_RAILWAYS
			614707	MAHARASHTRA RAILWAYS
			1187084	MP RAILWAYS
			1225126	RAILWAYS
Total		6781.04100	9897314	

A) RRAS settlement account for the week 05-Nov-18 to 11-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.