



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
14 Golf Club Road, Tollygunj, Kolkata-700033



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NO: ERPC/COM-II/ABT-DC/7936-70

Date: 17.01.2019

To
As per List

Sub: Statement of Deviation Charges including Additional Deviation Charges, RRAS & FRAS Settlement Account for the period from 31.12.2018 to 06.01.2019.

Statement of Deviation charges for the above mentioned week has been prepared in two parts:

- 1) **PART-1:** For 31.12.2018 as per CERC (DSM & Related matters) Regulation, 2014 & all amendments prior to 20.11.2018.
- 2) **PART-2:** for the period 01.01.2019 to 06.01.2019 as per CERC (DSM & Related matters) Regulation, 2014 & all amendments (**including 4th Amendment dated 20.11.2018**).

RRAS Settlement Account for the week has been prepared as per the guidelines of Detailed Procedure for Ancillary Services Operation approved by CERC. FRAS Settlement Account for the week has been prepared based on the CERC order in petition No.07/SM/2018/Suo-Motu, dated 16.07.2018.

The last installment of data for the subjected week has been received from ERLDC on 16.01.2019.


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.

Yours faithfully,

Encl: As above


(J. Bandyopadhyay)
MEMBER SECRETARY

List of Addressee

1. CE (Trans/O&M), BSPTCL, Vidyut Bhavan, Bailey Road, Patna-21. (Fax 0612-2504557)
2. ESE (Interstate), BSPHCL, Vidyut Bhavan, 3rd Floor, Bailey Road, Patna-800 021. (Fax 0612-2504557)
3. CE (Comml & Revenue), JBVNL, Engineering Building, H.E.C. Township, Dhurva, Ranchi-834004, Jharkhand. (Fax : 0651-2490486 / 2400799)
4. GM-cum-CE (Trans), JUSNL, Kusai Colony, Duranda, Ranchi, Jharkhand (Fax:0651-2490486)
5. CE (Comml), DVC, DVC Towers, VIP Road, Kolkata-700 054. (Fax: 033-23552129)
6. CE (SLDC), DVC, P.O.: Danesh Sheikh Lane, Andul Road, Howrah - 71110 9. FAX-033-2688-5094
7. Sr. GM (PP), GRIDCO, 4th floor, Vidyut Bhawan, Janpath, Bhubaneswar-22. (Fax : 0674-2547180/2547261).
8. Sr. GM (PS), OPTCL, SLDC Bldg, PO Mancheswar Rly Colony, Bhubaneswar-17, (Fax: 0674-2748509)
9. Sr. General Manager(Finance), OPGC, Odisha (Fax: 06645 222225)
10. CE (Trans.), Energy & Power Deptt., Govt. of Sikkim, Gangtok.-737 101 (Fax: 03592-201148 / 202927)
11. CE (SLDC), WBSETCL, PO. Danesh Sheikh Lane, Howrah-109. (Fax: 033-26886232)
12. Chief (Finance), NHPC Ltd, Sector-33, Faridabad-121003 (Fax: 0129-2254668)
13. ED (Comml), NHPC Ltd, Sector-33, Faridabad-121003 (Fax No. 0129-2254668)
14. AGM (Comml), NTPC Ltd, Loknayak Jaiprakash Bhawan, 2nd floor, Dak Banglow Chowk, Fraser Road, Patna-800 001. (Fax : 0612-2230035 / 2224287 ,2211807)
15. GM (Comml), NTPC Ltd, 7 Institutional Area, Lodhi Road, New Delhi-3 (Fax: 011-24360318 / 24368417)
16. AGH (Comml), Maithon Power Ltd, MA-5,Gonga, PO: Maithon Dam-828207 (Fax: 06540-276606, 08860004758)
17. DGM (Electrical), APNRL, P.O. kandra, Behind 400kV PGCIL S/s, Tata-Kandra road, Dist: Saraikela, Kharsanwa (Jharkhand) – 832 105 (FAX: 0657 – 6628440)
18. AGM(Comml.), ER-I, Powergrid, Patna (Fax: 0612 2227630)
19. AGM(Comml.), ER-II, Powergrid, Kolkata (Fax NO. 033 2357 2827)
20. AGM(E&M), GATI Infrastructure Ltd., Sundung, Rongli, East Sikkim, Sikkim-737131(Fax: 08066885455)
21. ED, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata-33 (Fax: 033-24235809)
22. ED, NRLDC, 18A, Shaheed JSS Marg, Katwaria Sarai, New Delhi-110 016. (Fax:011-26852747)
23. GM, SRLDC, 29 Race Course Road, Bangalore-560009 (Fax : 080-22268725).
24. GM, WRLDC, MIDC Area, Marol, Andheri (E), Mumbai-490093 (Fax: 022-28235434)
25. GM, NERLDC, Dongtich, Lower Nongrah, Laplang, Shillong-793006 (Fax:0364-2537470)
26. GM(Electrical),Ind Barath Energy Utkal Ltd.,Vill:Sahajbahal P.O: Charpali-Barpali, Dist:Jharsuguda – 768211 (Fax: 0674-2532174)
27. GM(Power Sales), GMRKEL, Plot no 29, Satya Nagar, Bhubaneswar- 751 007(Fax: 0674- 2572794)
28. Head(Power Sales),JITPL, Local shopping centre, Sector-B1, Vasant kunj, New Delhi- 110 070
29. AGM, SO, NVVN, SCOPE Complex, Core-5, 1st & 2nd Floor, Lodhi Road, New Delhi-110003 (Fax: 011-24367021)
30. Head(Commercial), TPTCL, Tata Power Co Ltd, B12 & 13, 2nd Floor, Shatabdi Bhawan, Sector 4, NOIDA – 201 301 (Fax: 0120-2540085/0050)
31. ED, DANS Energy Pvt Ltd, 5th Floor, Building no.8, Tower-C, DLF Cyber City, Phase-II, GURGAON – 122 002
32. GM, Teesta Urja Limited, 2nd Floor, Vijaya Building. 17, Barakhamba Road. New Delhi – 110001 (Ph. 9810519283; 011- 46529600/46529700)
33. AGM, BRBCL, Nabinagar, Aurangabad BIHAR (Fax : 06332 233002)
34. Director, Shiga Energy Pvt. Ltd., 5th Floor, DLF Building No. 8, Tower-C, DLF Cyber City, Phase-II, Gurgaon – 122002
35. CEO, Sneha Kinetic Power Projects Pvt.Ltd. #31 -A, National Highway, Behind SNOD building,. Deorali, Gangtok, Sikkim-737102

**EASTERN REGIONAL POWER COMMITTEE
KOLKATA**

**ABT based Deviation Charge Account
For the day 31.12.18**

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

PART-1

(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
BSPHCL	53.57123	4.76322	58.33445	SIKKIM	0.60206	0	0.60206
JUVNL	22.95897	1.38372	24.34269	NER	268.23208		268.23208
DVC	50.84834	2.71941	53.56775	SR	177.28786		177.28786
GRIDCO	29.95718	2.04621	32.00339	WR	337.29185		337.29185
WBSETCL	37.94956	1.57145	39.52101	FSTPP-I & II	1.89009	0	1.89009
NR	567.86717		567.86717	KHSTPP-I	0.14258	0	0.14258
TSTPP	0.97426		0.97426	KHSTPP-II	2.65087	0	2.65087
FSTPP-III	7.83682	0.09482	7.93164	TEESTA	2.22164	0	2.22164
MAITHON R/B	1.84775	0	1.84775	RANGIT	0.19256	0	0.19256
BARH	6.59367	0	6.59367	JITPL	0.08284	0	0.08284
NVVN-NEPAL	10.03218	0	10.03218	BRBCL	2.14461	0	2.14461
APNRL	1.13797	0	1.13797	TALCHER SOLAR	0.11040	0	0.11040
GMRKEL	5.18964	0	5.18964	JORETHANG HEP	0.23200	0	0.23200
TPTCL	3.73795	0	3.73795	IND Barath	0.00000	0	0.00000
THEP	0.60240	0.00961	0.61201	HVDC SASARAM	0.53277	0	0.53277
OPGC_INFIRM	0.38719	0	0.38719	NVVN-BD	20.08608	0.01038	20.07570
MTPS-II	5.80456	0	5.80456	CHUZACHEN	0.13160	0	0.13160
NPGC_INFIRM	2.17865	0	2.17865	TUL	0.59813	0	0.59813
DARLIPALI_INFIRM	0.90058	0	0.90058	DIKCHU	0.12946	0	0.12946
BRBCL U-III INFIRM	3.39590	0	3.39590	HVDC ALIPURDUAR	0.95894	0	0.95894
adj for DARLIPALI_INFIRM(24.12.18 to 30.12.18)	19.29588	0	19.29588				
TOTAL	833.06784	12.58844	845.65628		815.51841	0.01038	815.50803

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

12.59882

(All figures in Rs. Lakhs)

Payable to the pool(A):	833.06784
Payable from the pool(B):	815.51841
Differential Amount Arising from capping of Thermal Power Stations(A-B)	17.54943
Additional Deviation Amount:	12.59882
VAE of Eastern Region:	10.72125

**EASTERN REGIONAL POWER COMMITTEE
KOLKATA**

PART-2

**ABT based Deviation Charge Account
For the period 01.01.19 TO 06.01.19
AS PER 4TH AMENDMENT OF DSM, 2018 W.E.F. 01/01/2019**

(All figures in Rs. Lakhs)

UTILITIES AND DEVIATION CHARGES PAYABLE BY THEM	DEVIATION CHARGE (in Rs. Lakhs)		ADDITIONAL DEVIATION CHARGE DUE TO VIOLATION OF VOLUME LIMIT (in Rs. Lakhs.)	ADDITIONAL DEVIATION CHARGE DUE TO VIOLATION OF SIGN CHANGE (in Rs. Lakhs.)	FINAL DEVIATION CHARGE (in Rs. Lakhs)	
	RECEIVABLE	PAYABLE			RECEIVABLE	PAYABLE
BENEFICIARIES OF EASTERN REGION						
BSPHCL		196.46964	75.14175	150.86084		422.47223
JUVNL		312.80225	60.64262	583.71418		957.15905
DVC		153.5666	46.02711	114.57090		314.16460
GRIDCO	85.51256		45.83986	47.37925		7.70655
SIKKIM	30.05831		4.11729	75.39084		49.44981
WBSETCL		179.74314	67.64201	61.14853		308.53368
HVDC SASARAM	5.45593		0.44673	16.36779		11.35859
HVDC ALIPURDUAR	9.83180		0.79213	29.49539		20.45572
CERC REGULATED GENERATORS (CGS/ISGS)						
FSTPP-I & II		24.46933	5.16131	4.32655		33.95720
FSTPP-III		5.28563	2.68064	1.43550		9.40177
KHSTPP-I		1.30570	3.24117	0.78043		5.32730
KHSTPP-II	2.70626		3.45867	0.42060		1.17302
TSTPP	0.14188		0.69137	0.96617		1.51566
BARH		14.10296	0.66450	0.15904		14.92651
MTPS-II		19.95256	2.97646	16.11653		39.04556
BRBCL	6.42451		1.40976	6.76294		1.74819
TEESTA	7.72035		1.62503	0.00000	6.09532	
RANGIT	0.78307		0.23020	0.89287		0.34000
MAITHON R/B		4.96962	1.14003	4.10270		10.21235
OTHER GENERATORS						
APNRL		1.15726	0.17551	3.33298		4.66576
GMRKEL		1.94228	1.80916	0.35708		4.10852
JITPL	0.91953		0.80171	0.26698		0.14917
CHUZACHEN	0.61679		0.04371	1.93632		1.36325
DIKCHU		0.66386	0.14229	3.11385		3.92001
JORETHANG HEP	0.54488		0.46771	0.05636	0.02081	
THEP		5.05905	1.66023	1.78951		8.50879
TUL	3.36253		1.30066	4.53503		2.47316
INTER- REGIONAL						
NER	2347.73667				2347.73667	
NR		5096.52915				5096.52915
SR		2236.80021				2236.80021
WR	6202.92965				6202.92965	
INTER- NATIONAL						
NVVN-BD		2.91948	11.39707	30.66855		44.98510
NVVN-NEPAL		111.13936	12.80068	305.65932		429.59937
TPTCL		26.51602	1.54287	79.54805		107.60694
INFIRM GENERATORS						
OPGC_INFIRM		0.00000				
NPGC_INFIRM		14.05046				14.05046
DARLIPALI_INFIRM		30.88751				30.88751
BRBCL U-III INFIRM		19.07774				19.07774
SOLAR GENERATORS						
TALCHER SOLAR		0.56546				0.56546
TOTAL	8704.74470	8459.97528	356.07026	1546.15508	8556.78245	10214.23837

(All figures in Rs. Lakhs)

Payable to the pool(A):	8459.97528
Receivable from the pool(B):	8704.74470
Differential Amount Arising from capping of Generating Stations(A-B)	-244.76942
Additional Deviation Amount:	1902.22534
VAE of Eastern Region:	41.12656

**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 :** Ranchi end of Ranchi-Dharamjaygarh 765kV D/C, ER end of Sundergarh-Dharamjaygarh 765kV D/C,

ER end of Sundergarh-Raigarh 400kV Q/C, ER end of Ranchi-Sipat 400kV D/C, Budipadar-Korba 220 kV lines & Budhipadar-Raigarh 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 Binaguri - 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 and 4th Amendment order dated 20.11.2018 have also been incorporated.

iv) ACP values for the week are taken from NLDC website

v) For computing cap rate of CERC regulated generators, ECR data from AS-1/AS-3 format has been used as per clarification of NLDC vide letter no. POSOCO/NLDC/2018/381 dated 31

vi) The Cap rate for all other generators has been fixed at 303.04 paisa/kwh as per DSM 4th amendment'2018

vii) 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.

viii) 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).

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

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

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

xii) 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

xiii) 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

xiv) As informed by ERLDC DARLIPALI(NTPC) became a regional entity and DSM pool member wef 31.05.18.

xv) 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.	Additional Deviation Charge in Rs.
31/12/18	BSPHCL	-70,730.394	-71,944.769	-41,83,988.01	-4,76,321.88
	JUVNL	-19,044.512	-19,509.192	-17,85,335.37	-1,38,371.53
	DVC	31,309.671	28,936.478	-43,61,664.01	-2,71,941.39
	GRIDCO	-24,529.385	-25,981.899	-27,33,962.47	-2,04,621.04
	SIKKIM	-1,665.439	-1,626.870	74,408.42	0.00
	WBSETCL	-21,241.768	-21,962.296	-16,73,730.99	-1,57,145.21
	NER	-3,160.742	9,155.342	268,23,208.00	0.00
	NR	-32,685.781	-60,526.985	-567,86,717.01	-466,82,162.74
	SR	-51,081.436	-38,256.315	177,28,786.01	-135,44,095.47
	WR	8,636.506	21,657.912	337,29,184.53	-56,58,341.34
	FSTPP-I & II	33,871.736	33,941.298	1,89,009.29	0.00
	KHSTPP-I	16,510.509	16,515.492	14,257.67	0.00
	TSTPP	11,021.250	10,975.099	-97,425.88	0.00
	RANGIT	476.500	481.309	19,255.92	0.00
	CHPC	0.000	-253.156	-6,45,546.97	0.00
	KHPC	0.000	-417.856	-8,85,853.87	0.00
	THPC	1,613.790	-202.330	-38,50,174.01	0.00
	KHSTPP-II	29,303.406	29,355.781	2,65,086.85	0.00
	FSTPP-III	10,173.460	9,820.919	-7,83,682.031	-9,481.68
	TEESTA	2,480.333	2,570.400	2,22,163.505	0.00
	MATHON R/B	21,978.875	21,885.527	-1,84,774.775	0.00
	BARH	29,190.269	28,835.236	-6,59,367.227	0.00
	NVNV-NEPAL	-5,690.304	-6,145.424	-10,03,217.975	0.00
	APNRL	5,479.513	5,393.818	-1,13,796.894	0.00
	GMRKEL	7,298.981	6,961.891	-5,18,964.307	0.00
	JITPL	12,319.349	12,326.618	8,283.836	0.00
	TPCL	612.540	438.957	-3,73,794.74	0.00
	BRBCL	10,529.024	10,611.767	2,14,460.631	0.00
	TALCHER SOLAR	45.898	47.080	11,039.69	0.00
	JORETHANG HEP	392.044	393.632	23,199.88	0.00
	IND Barath	0.000	0.000	0.00	0.00
	HVDC SASARAM	-25.889	-1.202	53,276.93	0.00
	VAE	1,219.765	0.000	-10,72,124.51	0.00
	NVNV	-12,479.564	-10,430.545	20,08,607.946	-1,038.03
	CHUZACHEN	226.440	232.091	13,160.262	0.00
	TUL	4,298.923	4,233.309	59,813.122	0.00
	DIKCHU	288.491	291.273	12,945.688	0.00
	THEP	477.052	439.936	-60,239.742	-961.42
	HVDC ALIPURDUAR	-55.477	-11.583	95,893.689	0.00
	OPGC INFIRM	0.000	-25.489	-38,718.549	0.00
MTPS-II	7,161.616	6,890.816	-5,80,455.535	0.00	
NPGC INFIRM	0.000	-102.000	-2,17,865.294	0.00	
DARLIPALI INFIRM	0.000	-41.519	-90,057.916	0.00	
BRBCL U-III INFIRM	0.000	-160.131	-3,39,590.345	0.00	

SUMMARY OF DEVIATION CHARGES FOR 31.12.18

	UTILITY	SCHEDULE(MWH)	ACTUAL(MWH)	DEVIATION CHARGE (IN RS)	ADDITIONAL DEVIATION CHARGE (IN RS)
FOR THE DAY 31/12/18	BSPHCL	-70,730.39	-71,944.77	-53,57,123.00	-4,76,321.88
	JUVNL	-19,044.51	-19,509.19	-22,95,897.00	-1,38,371.53
	DVC	31,309.67	28,936.48	-50,84,834.00	-2,71,941.39
	GRIDCO	-24,529.39	-25,981.90	-29,95,718.00	-2,04,621.04
	SIKKIM	-1,665.44	-1,626.87	60,206.00	0.00
	WBSETCL	-21,241.77	-21,962.30	-17,94,956.00	-1,57,145.21
	NER	-3,160.74	9,155.34	268,23,208.00	0.00
	NR	-32,685.78	-60,526.99	-567,86,717.00	0.00
	SR	-51,081.44	-38,256.32	177,28,786.00	0.00
	WR	8,636.51	21,657.91	337,29,185.00	0.00
	FSTPP-I & II	33,871.74	33,941.30	1,89,009.29	0.00
	KHSTPP-I	16,510.51	16,515.49	14,257.67	0.00
	KHSTPP-II	29,303.41	29,355.78	2,65,086.85	0.00
	TSTPP	11,021.25	10,975.10	-97,425.88	0.00
	FSTPP-III	10,173.46	9,820.92	-7,83,682.03	-9,481.68
	TEESTA	2,480.33	2,570.40	2,22,164.00	0.00
	MATHON R/B	21,978.88	21,885.53	-1,84,774.78	0.00
	RANGIT	476.50	481.31	19,256.00	0.00
	BARH	29,190.37	28,835.24	-6,59,367.23	0.00
	NVNV-NEPAL	-5,690.30	-6,145.42	-10,03,218.00	0.00
	APNRL	5,479.51	5,393.82	-1,13,797.00	0.00
	GMRKEL	7,298.98	6,961.89	-5,18,964.00	0.00
	JITPL	12,319.35	12,326.62	8,284.00	0.00
	TPCL	612.54	438.96	-3,73,795.00	0.00
	BRBCL	10,529.02	10,611.77	2,14,460.63	0.00
	TALCHER SOLAR	45.90	47.08	11,040.00	0.00
	JORETHANG HEP	392.04	393.63	23,200.00	0.00
	IND Barath	0.00	0.00	0.00	0.00
	HVDC SASARAM	-25.89	-1.20	53,277.00	0.00
	VAE	1,219.77	0.00	-10,72,124.51	0.00
	NVNV-BD	-12,479.56	-10,430.55	20,08,608.00	-1,038.03
	CHUZACHEN	226.44	232.09	13,160.00	0.00
	TUL	4,298.92	4,233.31	59,813.12	0.00
	DIKCHU	288.49	291.27	12,945.69	0.00
	THEP	477.05	439.94	-60,239.74	-961.42
	HVDC ALIPURDUAR	-55.48	-11.58	95,894.00	0.00
	OPGC INFIRM	0.00	-25.49	-38,718.55	0.00
	MTPS-II	7,161.62	6,890.82	-5,80,455.53	0.00
	NPGC INFIRM	0.00	-102.00	-2,17,865.29	0.00
	DARLIPALI INFIRM	0.00	-41.52	-90,057.92	0.00
BRBCL U-III INFIRM	0.00	-160.13	-3,39,590.34	0.00	

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

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

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.	ADDITIONAL DEVIATION CHARGE(Volume limit) IN Rs.	Page 1 of 1	
						ADDITIONAL DEVIATION CHARGE(Sign Change Violation) IN Rs.	
01-01-19	BSPHCL	-71,864.886	-72,214.472	-14,29,357.11	-10,26,247.70	-17,15,228.53	
	JUVNL	-18,880.256	-20,346.507	-54,06,721.35	-15,81,355.56	-108,13,442.70	
	DVC	26,679.212	26,240.228	-11,36,553.31	-2,78,990.51	-9,09,242.65	
	GRIDCO	-24,694.309	-24,504.140	31,212.52	-8,56,679.32	-18,727.51	
	SIKKIM	-1,774.115	-1,476.245	8,93,637.25	-1,01,667.96	-26,80,911.76	
	WBSETCL	-21,849.833	-21,397.994	14,82,245.83	-4,79,841.09	-14,82,245.83	
	NER	-4,344.400	7,255.789	380,33,562.35	-32,24,819.89	-141,00,687.05	
	NR	-38,249.000	-63,285.891	-862,93,260.81	-738,63,579.01	-2416,21,130.28	
	SR	-23,992.359	-38,608.729	-466,49,681.26	-454,02,768.60	-1119,59,235.03	
	WR	-6,210.794	27,461.692	1115,99,941.44	-98,99,585.20	-3124,79,836.02	
	FTSTPP-I & II	33,603.305	33,444.201	-3,03,383.88	-1,00,787.47	-60,676.78	
	KHSTPP-I	16,231.994	16,216.373	-36,246.71	-54,646.78	-14,498.68	
	TSTPP	11,017.570	10,991.939	-36,444.83	-6,060.05	-36,444.83	
	RANGIT	478.000	484.273	11,897.51	-506.75	-19,036.02	
	CHPC	0.000	-287.858	-7,34,038.81	0.00	0.00	
	KHPC	0.000	-475.330	-10,07,698.75	0.00	0.00	
	THPC	1,576.290	+160.728	-36,82,478.23	0.00	0.00	
	KHSTPP-II	29,527.013	29,535.091	13,043.03	-1,11,448.25	-5,217.21	
	FTSTPP-III	10,082.121	10,049.616	-53,741.85	-42,839.37	0.00	
	TEESTA	2,471.000	2,511.273	64,318.47	0.00	0.00	
	MAITHON R/B	21,056.688	20,940.472	-2,68,261.89	-37,038.11	-2,68,261.89	
	BARH	36,708.750	29,173.636	-3,25,306.865	-5,739.29	0.00	
	NVFN-NEPAL	-5,709.272	-6,146.544	-14,25,490.266	-1,77,788.74	-39,91,372.74	
	APNRL	5,180.775	5,148.800	-57,041.929	-1,537.43	-57,041.93	
	GMRKEL	11,460.485	11,482.545	81,557.755	-10,172.51	0.00	
	JITPL	11,978.158	11,957.382	-47,654.44	-16,580.23	0.00	
	TPTCL	612.781	433.628	-4,22,539.75	-31,817.29	-12,67,739.24	
	BRCL	10,585.033	10,658.198	1,24,421.165	-16,412.88	-1,24,421.17	
	TALCHER SOLAR	46.873	46.090	-7,315.91	0.00	0.00	
	JORETHANG HEP	378.034	351.200	-20,232.74	-4,191.41	-4,046.55	
	IND Barath	0.000	0.000	0.00	0.00	0.00	
	HVDC SASARAM	-25.889	-1.134	82,654.416	-6,601.09	-2,47,963.25	
	VAE	-242.505	0.000	14,95,287.882	0.00	-4,43,044.00	
	NVFN	-12,347.068	-12,376.654	-1,84,601.667	-89,600.16	-4,43,044.00	
	CHUZACHEN	256.807	262.670	17,385.356	-261.83	-41,724.85	
	TUL	5,074.503	5,006.545	4,579.829	0.00	0.00	
	DIKCHU	288.491	279.273	-2,499.038	-2,479.42	-4,498.27	
	THEP	477.052	438.976	-59,334.326	-39,605.88	-47,467.46	
	HVDC ALPJRDUAR	-55.477	-11.402	1,48,003.313	-11,720.73	-4,44,009.94	
	OPGC_INFIRM	0.000	0.000	0.000	0.00	0.00	
	MTPS-II	6,136.155	6,111.152	-51,653.339	-10,601.53	-10,330.67	
	NPGC_INFIRM	0.000	-103.200	-2,87,249.005	0.00	0.00	
	DARLPALL_INFIRM	0.000	-97.329	-2,77,152.586	0.00	0.00	
	BRCL U-III INFIRM	0.000	-83.143	-3,45,681.331	0.00	0.00	
	02-01-19	BSPHCL	-70,920.363	-71,629.044	-29,25,115.47	-3,77,479.64	-17,55,069.28
		JUVNL	-17,911.106	-19,128.342	-55,12,796.05	-11,79,608.70	-121,28,151.32
		DVC	36,700.570	36,447.516	-15,86,273.76	-6,14,124.30	-11,86,273.76
		GRIDCO	-24,229.858	-23,492.687	18,27,256.08	-7,91,247.01	0.00
		SIKKIM	-1,904.761	-1,697.304	8,43,773.69	-4,348.09	-23,62,566.32
		WBSETCL	-20,940.259	-20,914.438	-61,761.62	-2,51,158.19	-61,761.62
NER		-4,098.590	7,608.259	476,60,788.85	-4,09,755.70	-1429,82,366.54	
NR		-42,125.750	-71,823.145	-1229,04,499.59	-1039,70,892.63	-3687,13,498.76	
SR		-23,004.322	-43,556.429	-806,36,015.54	-764,93,067.55	-1773,99,234.19	
WR		-9,817.444	34,247.495	1757,80,909.47	-13,03,813.32	-5273,42,728.40	
FTSTPP-I & II		32,282.602	32,119.260	-4,31,292.59	-83,046.24	-1,72,517.04	
KHSTPP-I		16,394.819	16,370.135	-63,242.12	-34,793.39	0.00	
TSTPP		10,997.150	10,976.061	-28,708.97	-3,686.84	-5,741.79	
RANGIT		479.000	487.352	17,132.89	-221.16	-17,132.89	
CHPC		0.000	-10.121	-25,807.64	0.00	0.00	
KHPC		0.000	-468.032	-9,92,228.69	0.00	0.00	
THPC		1,613.790	-5.651	-34,33,214.74	0.00	0.00	
KHSTPP-II		29,983.544	29,986.396	12,240.60	-21,279.57	-7,344.36	
FTSTPP-III		9,809.716	9,794.448	-38,504.89	-11,370.93	0.00	
TEESTA		2,871.000	3,011.782	1,62,371.50	0.00	0.00	
MAITHON R/B		10,709.198	10,685.963	-60,944.01	-43.17	-48,755.21	
BARH		29,444.010	29,327.345	-1,81,992.284	-2,658.78	0.00	
NVFN-NEPAL		-5,709.272	-6,180.872	-19,71,129.647	-96,245.97	-55,19,163.01	
APNRL		5,152.504	5,126.982	-56,678.021	-3,645.48	-45,342.42	
GMRKEL		14,303.638	14,318.909	41,134.373	-174.12	-8,226.87	
JITPL		11,679.621	11,681.600	17,192.54	-1,866.15	-6,877.02	
TPTCL		612.781	411.300	-5,41,930.25	-13,889.78	-16,25,790.75	
BRCL		10,587.672	10,640.790	99,044.887	0.00	-1,58,471.82	
TALCHER SOLAR		43.083	40.418	-24,910.74	0.00	0.00	
JORETHANG HEP		373.039	366.144	21,439.91	0.00	0.00	
IND Barath		0.000	0.000	0.00	0.00	0.00	
HVDC SASARAM		-25.889	-1.158	1,00,126.161	-913.35	-3,00,378.48	
VAE		351.350	0.000	13,98,296.115	0.00	0.00	
NVFN		-12,325.617	-12,288.363	1,71,381.075	-1,16,559.16	-4,11,314.58	
CHUZACHEN		256.807	257.212	6,536.928	-214.55	-14,381.24	
TUL		5,558.929	5,524.582	750.870	0.00	0.00	
DIKCHU		288.491	293.727	17,821.572	0.00	-10,692.94	
THEP		477.052	432.704	-1,00,690.572	-1,932.66	-40,276.23	
HVDC ALPJRDUAR		-55.477	-10.875	1,81,825.822	-1,566.16	-5,45,477.47	
OPGC_INFIRM		0.000	0.000	0.000	0.00	0.00	
MTPS-II		6,445.749	6,330.100	-2,73,311.931	-2,746.69	-1,09,324.77	
NPGC_INFIRM		0.000	-78.654	-3,37,130.619	0.00	0.00	
DARLPALL_INFIRM		0.000	-116.245	-4,70,691.816	0.00	0.00	
BRCL U-III INFIRM		0.000	-82.099	-3,29,145.464	0.00	0.00	

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.	ADDITIONAL DEVIATION CHARGE(Volume Limit) IN Rs.	Page 3 of 3
						ADDITIONAL DEVIATION CHARGE(Sign Change Violation) IN Rs.
06-01-19	BSPHCL	-71,919.106	-71,684.554	-3,67,420.47	-15,41,656.45	-2,93,936.38
	JUVNL	-17,500.391	-18,520.370	-32,52,787.54	-4,65,757.70	-45,53,902.56
	DVC	29,832.956	29,395.373	-3,96,821.13	-2,21,625.34	-3,96,821.13
	GRIDCO	-25,876.342	-26,107.631	-3,90,780.35	-4,44,447.94	-2,34,468.21
	SIKKIM	-1,707.425	-1,514.766	4,41,580.22	-1,68,256.62	-11,48,108.57
	WBSETCL	-26,840.364	-27,685.154	-19,78,930.13	-14,81,236.66	-11,87,358.08
	NER	-3,446.405	6,533.600	262,12,445.13	-54,03,897.55	-786,37,335.40
	NR	-45,136.710	-57,245.138	-360,89,553.67	-328,54,353.21	-938,32,839.55
	SR	-16,294.755	-24,999.900	-219,56,257.55	-281,80,621.87	-483,03,766.61
	WR	3,648.195	21,903.237	482,55,003.69	-93,32,055.32	-1254,63,009.60
	FTSPP-I & II	33,113.422	32,902.745	-3,11,374.16	-76,427.80	0.00
	KHSTPP-I	15,696.348	15,697.722	6,963.79	-1,52,775.75	-1,392.76
	TSPP	11,026.120	10,985.800	-10,766.85	-6,061.94	-2,153.37
	RANGIT	466.667	472.075	11,307.04	-5,245.65	-11,307.04
	CHPC	0.000	426.881	10,88,546.33	0.00	0.00
	KHPC	0.000	-311.746	-6,60,900.67	0.00	0.00
	THPC	1,613.790	238.352	-29,15,927.70	0.00	0.00
	KHSTPP-II	28,026.839	27,931.784	-59,393.99	-43,303.13	-23,757.60
	FTSPP-III	10,002.606	9,951.181	-99,304.67	-1,02,446.29	-59,582.80
	TEESTA	2,232.750	2,298.873	72,566.50	-32,252.56	0.00
	MAITHON R/B	10,935.813	10,902.836	-38,156.74	-13,670.68	-22,894.04
	BARH	29,155.208	28,902.218	-2,86,390.730	-36,807.84	0.00
	NVVN-NEPAL	5,016.146	-6,004.832	-26,96,062.052	-3,86,842.31	-75,48,973.79
	APNRL	4,770.533	4,708.582	-61,589.156	-1,604.35	-98,542.65
	GMRKEL	13,131.025	13,061.527	-1,20,180.792	-48,557.29	0.00
	JITPL	11,912.732	11,924.000	23,641.41	-31,394.80	0.00
	TPCL	612.781	428.402	-3,61,109.66	-5,309.42	-10,83,328.97
	BRBCL	10,434.868	10,421.689	-11,940.95	-12,570.66	-4,776.27
	TALCHER SOLAR	41.488	40.777	-6,642.71	0.00	0.00
	JORETHANG HEP	361.039	349.536	-4,092.77	-19,954.01	0.00
	IND Barath	0.000	0.000	0.00	0.00	0.00
	HVDC SASARAM	-25.133	-1.010	61,410.542	-14,255.22	-1,84,231.63
	VAE	745.175	0.000	-21,96,958.55	0.00	0.00
	NVVN	-11,415.595	-11,604.727	-2,61,015.366	-5,58,169.71	-5,74,233.81
	CHUZACHEN	201.842	205.553	11,164.580	-94.55	-31,260.82
	TUL	3,923.681	3,854.182	-1,05,142.110	-1,23,545.23	-1,05,142.11
	DIKCHU	173.094	173.727	5,312.896	-2,801.86	-1,062.58
	THEP	457.799	423.424	-73,402.464	-31,982.60	-14,680.49
	HVDC ALIPURDUAR	-55.477	-10.423	1,15,146.070	-26,097.05	-3,45,438.21
	OPGC_INFIRM	0.000	0.000	0.000	0.00	0.00
MTPS-II	6,969.782	6,778.180	-2,99,470.537	-36,485.63	-3,59,364.64	
NPGC_INFIRM	0.000	-47.345	-1,20,340.254	0.00	0.00	
DARLIPALT_INFIRM	0.000	-163.389	-4,13,499.175	0.00	0.00	
BRBCL U-III INFIRM	0.000	-83.881	-2,15,769.063	0.00	0.00	

SUMMARY OF DEVIATION CHARGES FOR 01.01.19 TO 06.01.19

	UTILITY	SCHEDULE(MWH)	ACTUAL(MWH)	DEVIATION CHARGE (IN RS)	ADDITIONAL DEVIATION CHARGE(Volume Limit) (IN RS)	ADDITIONAL DEVIATION CHARGE(Sign Change Violation) (IN RS)
FOR THE WEEK 01-01-19 TO 06-01-19	BSPHCL	-4,29,849.15	-4,32,176.52	-196,46,964.00	-75,14,174.67	-150,86,084.36
	JUVNL	-1,09,611.16	-1,16,895.83	-312,80,225.00	-60,64,262.14	-582,71,417.23
	DVC	1,93,376.55	1,90,255.88	-133,56,660.00	-46,02,710.57	-114,57,089.67
	GRIDCO	-1,52,481.14	-1,49,479.64	85,51,256.00	-45,83,986.05	-47,37,924.93
	SIKKIM	-10,767.14	-9,894.03	30,05,831.00	-4,11,728.67	-75,39,083.68
	WBSETCL	-1,46,770.05	-1,49,067.83	-179,74,314.00	-67,64,201.48	-61,14,852.78
	NER	-23,984.77	40,224.86	234,73,667.00	0.00	0.00
	NR	-2,69,711.84	-4,01,743.55	-909,52,915.00	0.00	0.00
	SR	-1,47,883.62	-2,04,678.31	-223,80,021.00	0.00	0.00
	WR	21,166.87	1,83,129.09	620,92,965.00	0.00	0.00
	FTSPP-I & II	2,00,248.19	1,98,882.76	-24,46,932.91	-5,16,131.38	-4,32,655.36
	KHSTPP-I	99,038.42	98,874.35	-1,30,570.07	-3,24,116.98	-78,042.83
	KHSTPP-II	3,79,876.31	3,79,721.71	-2,70,625.55	-3,45,867.44	-42,059.96
	TSPP	65,694.34	65,627.52	14,187.78	-69,136.91	-96,616.81
	FTSPP-III	60,044.45	59,769.60	-5,28,563.41	-2,68,063.82	-1,43,550.21
	TEESTA	15,917.75	16,608.47	7,72,034.81	-1,62,503.19	0.00
	MAITHON R/B	73,024.07	72,729.13	-4,96,961.78	-1,14,002.74	-4,10,270.45
	RANGIT	2,846.33	2,889.79	78,306.71	-23,019.79	-89,286.80
	BARH	1,76,523.35	1,75,390.91	-14,10,296.47	-66,449.79	-15,904.37
	NVVN-NEPAL	-33,562.50	-36,670.53	-111,13,936.00	-12,80,068.13	-305,65,932.40
	APNRL	30,969.60	30,785.53	-1,15,726.14	-17,551.12	-3,33,298.47
	GMRKEL	76,513.73	76,292.44	-1,94,228.08	-1,80,916.36	-35,707.52
	JITPL	70,678.75	70,690.84	91,932.89	-80,171.41	-26,698.05
	TPCL	3,676.69	2,580.50	-26,51,601.72	-1,54,286.66	-79,54,805.16
	BRBCL	63,341.24	63,671.99	6,42,450.82	-1,40,975.84	-6,76,293.99
	TALCHER SOLAR	252.13	246.16	-56,546.00	0.00	0.00
	JORETHANG HEP	2,195.23	2,154.30	54,488.38	-46,771.47	-5,635.70
	IND Barath	0.00	0.00	0.00	0.00	0.00
	HVDC SASARAM	-154.26	-6.36	5,45,593.00	-44,673.36	-16,36,778.95
	VAE	289.21	0.00	41,12,655.88	0.00	0.00
	NVVN-BD	-68,229.86	-68,333.31	-2,91,948.00	-11,39,706.63	-30,66,855.28
	CHUZACHEN	1,308.76	1,328.08	61,678.69	-4,371.14	-1,93,632.21
	TUL	29,399.42	29,217.16	3,36,252.52	-1,30,066.01	-4,53,502.68
	DIKCHU	1,539.00	1,494.36	-66,396.09	-14,229.28	-3,11,385.26
	THEP	2,824.31	2,575.81	-5,05,905.48	-1,66,022.97	-1,78,950.23
	HVDC ALIPURDUAR	-332.86	-67.56	9,83,180.00	-79,213.23	-29,49,538.93
	OPGC_INFIRM	0.00	0.00	0.00	0.00	0.00
	MTPS-II	39,173.49	38,170.59	-19,95,256.26	-2,97,646.49	-16,11,652.95
	NPGC_INFIRM	0.00	-390.33	-14,05,046.41	0.00	0.00
	DARLIPALT_INFIRM	0.00	-834.30	-30,88,750.75	0.00	0.00
BRBCL U-III INFIRM	0.00	-500.72	-19,07,773.69	0.00	0.00	

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: 17/01/2019

RRAS Account for Week: 31-Dec-18 to 06-Jan-19

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	1551.26700	1295308	3758718	775633	5829660
2	FSTPP-III	1080.06300	1624414	2634274	540031	4798718
3	KHSTPP-I	353.13500	376089	788904	176567	1341563
4	KHSTPP-II	1003.36000	1101691	2142174	501681	3745544
5	TSTPP-I	0.00000	0	0	0	0
6	BARH	284.00000	529660	572827	142000	1244486
7	BRBCL	159.30600	386476	292168	79653	758296
8	MTPS-II	2584.88000	6071884	6617293	1292440	13981616
	Total	7016.01100	11385522	16806358	3508005	31699883

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	68.68750	125973	94480
2	MTPS-II	570.37116	1460150	1095113
3	FSTPP I & II	3881.93973	9405940	7054455
4	FSTPP-III	1339.21725	3266351	2449763
5	KHSTPP-I	1253.82289	2801040	2100780
6	KHSTPP-II	402.23804	858778	644084
7	TSTPP-I	111.06000	215234	161426
8	BARH	610.24000	1230854	923141
	Total	8237.57658	19364321	14523241

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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	1551.26700	1123028	BSPHCL
			7421	GRIDCO
			4928	SIKKIM
			10011	ASSAM
			35912	DELHI
			31006	HARYANA
			8187	J & K
			63939	RAJASTHAN
			10876	UP
2	FSTPP-III	1080.06300	1601574	BSPHCL
			22554	GRIDCO
			286	ASSAM
3	KHSTPP-I	353.13500	177395	BSPHCL
			88404	DELHI
			24685	HARYANA
			34035	J & K
			51570	RAJASTHAN
4	KHSTPP-II	1003.36000	116122	BSPHCL
			9185	ASSAM
			82386	CHATTISGARH
			78935	DELHI
			102639	GUJARAT
			24426	HARYANA
			24314	HP
			23941	J & K
			446091	MAHARASHTRA
			1315	PUNJAB
			98844	RAJASTHAN
			9473	UP
			84020	UTTARAKHAND
5	TSTPP-I	0.00000	0	-
6	BARH	284.00000	312713	BSPHCL
			203751	JUVNL
			13196	SIKKIM
7	BRBCL	159.30600	42149	BIHAR_RAILWAYS
			295274	MAHARASHTRA RAILWAYS
			49053	MP RAILWAYS
8	MTPS-II	2584.88000	3180061	BSPHCL
			1526	DVC
			2772864	GRIDCO
			117433	WBSETCL
	Total	7016.01100	11385522	

A) RRAS settlement account for the week 31-Dec-18 to 06-Jan-19 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.

FRAS Settlement Account by ERPC

Date: 17/01/2019

FRAS Account for Week: 31-Dec-18 to 06-Jan-19

Payments to the FRAS Provider(s) from the DSM pool

Sr.No	FRAS Provider Name	FRAS UP Eup(MWH)	FRAS DOWN Edown(MWH)	Mileage Em(MWH)	Incentive as per CERC Order(Rs)	Total Charges (Rs)
1	TEESTA-V	14.25000	4.91667	19.16667	1917	1917
2	RANGIT	5.33333	0.00000	5.33333	533	533

A) FRAS settlement account for the week 31-Dec-18 to 06-Jan-19 has been prepared based on the CERC order in petition No.07/SM/2018/Suo-Motu, dated 16.07.2018.

B) The incentive has been calculated at the rate of 10 Paisa/Kwh for mileage Energy.