

Bhopal the 2nd June 2020

No. 678-MPERC.—In exercise of the powers conferred by Sections 39(2)(d)(i), 40(c)(i), 66, 86(1)(c) and 86(2)(i) read with Section 181 of the Electricity Act 2003, (No. 36 of 2003) and all power enabling it in that behalf, the Madhya Pradesh Electricity Regulatory Commission hereby makes the following amendments in Madhya Pradesh Electricity Balancing and Settlement Code, 2015 namely:-

FIRST AMENDMENT TO MADHYA PRADESH ELECTRICITY BALANCING AND SETTLEMENT CODE, 2015

1. Short title, extent of application and commencement

(1) This Code shall be called "Madhya Pradesh Electricity Balancing and Settlement Code, 2015 (First Amendment) {No. ARG-34(I)(i) of 2020}".

(2) This Code shall come into force from the date of its publication in the Madhya Pradesh Gazette.

2. Amendment to the Clause 8

(1) For Clause 8, the following clause shall be substituted, namely :-

"8. Procedure for Imbalance Settlement of Deviation Charges:

The pool balancing of Deviation Charges shall be done in following three steps:

(i) Pre pool balancing of Discoms {M.P. Madhya Kshetra Vidyut Vitaran Co. Ltd. (CZ), M.P. Poorv Kshetra Vidyut Vitaran Co. Ltd. (EZ) M.P. Paschim Kshetra Vidyut Vitaran Co. Ltd. (WZ)} shall be done for total Deviation Charges. The total Deviation Charges (payable / receivable) of Discoms shall be matched at day level.

(ii) Pool balancing shall be done of all Intra State entities (under long term) excluding OACs.

(iii) Pool balancing shall be done of all Intra State entities (under long term) including OACs and Generators injecting infirm power".

(2) For the existing Appendix- I, the Appendix-1 enclosed with this Amendment shall be substituted.

By order of the Commission,
SHAIENDRA SAXENA, Secy.

APPENDIX - I

(Page 1 of 3)

**PROCEDURE FOR IMBALANCE SETTLEMENT OF DEVIATION CHARGES OF INTRA STATE ENTITIES
(ILLUSTRATION)**

Step -1 (Pre Pool Balancing of Total Deviation Charges of State Discoms (CZ,EZ & WZ))			
Blockwise Deviation charges, Capping Charges and Addl Charges of each Discoms (CZ, EZ & WZ) is calculated at the end of the week / month. The blockwise DSM Charges, Capping Charges and Additional Charges are added at a day level to make the total DSM charges payable / receivable by each Discom (CZ,EZ &WZ) for a day.			
Total Deviation Charges of Discoms (CZ, EZ & WZ) (for a given day in a week / month)			
Amount Payable by Participants		Amount Receivable by Participants	
Participants	Rs.	Participants	Rs.
D2	3000	D1	4500
D3	2000		
Total Payables	5000	Total Receivables	4500
Where,			
D1,D2,D3 are State Discoms (CZ,EZ & WZ)			

The amount payable and receivable to/ from State Deviation Pool does not match for a given day. In order to match them, the average of the "Total Payables" and "Total Receivables" is taken as a base and payable / receivables are matched to average. In case, if all Discoms (CZ, EZ & WZ) are payable or receivable for a given day, then Discom with minimum Deviation Charges is made "Receivable or Payable" as the case may be and pool balancing is done.

Particular		Total Amount Payable	Total Amount Receivables
Sum Total (In Rs.)		5000	4500
Average of the "Total Amount Payable" and "Total Amount Receivables" (In Rs.)		4750	
Adjustment Ratio# AR_{P1} (=Average / Total Amount Payable)		0.950000	
Adjustment Ratio# AR_{R1} (=Average / Total Amount Receivable)		1.055556	
Amount Payable by Discoms			
Participants	Original Payable (In Rs.)	Adjustment Ratio AR_{P1}	Adjusted Payable (In Rs.)
D2	3000	0.950000	2850
D3	2000	0.950000	1900
Total Payables	5000		4750
Amount Receivable by Discoms			
Participants	Original Receivable (In Rs.)	Adjustment Ratio AR_{R1}	Adjusted Receivable (In Rs.)
D1	4500	1.055556	4750
Total Receivables	4500		4750

APPENDIX - I

(Page 2 of 3)

Pre Pool Balancing of Total Deviation Charges of State Discoms			
Amount Payable by Participants		Amount Receivable by Participants	
Participants	Rs.	Participants	Rs.
D2	2850	D1	4750
D3	1900		
Total Payables	4750	Total Receivables	4750
Step -2 (Pool balancing of all Intra State entities (under long term) excluding OACs)			
The daywise Total Deviation Charges of Discoms (CZ, EZ & WZ) as obtained from Step-1 are taken and Total Deviation Charges of other Long Term Intra State entities are included along with Regional Amount (Payable / Receivable) and Pool Balancing is done. The Blockwise Deviation charges, Capping Charges and Addl Charges of Other Intra State entities are added at a day level to make the total DSM charges payable / receivable for each participant for a day. The day wise total Regional Deviation Settlement amount payable / receivable by Madhya Pradesh is obtained from the Regional DSM Account prepared by WRPC			
State DSM Pool Account (for a given day in a week / month)			
Amount Payable by Participants		Amount Receivable by Participants	
Participants	Rs.	Participants	Rs.
D2	2850	D1	4750
D3	1900	SSGS3	3500
SSGS1	3500	Regional DSM amount	3000
SSGS2	1500		
Total Payables	9750	Total Receivables	11250
Where, SSGS1, SSGS2, SSGS3 are State Sector Generating Stations.			
Regional DSM Amount is the Deviation amount payable / receivable by MP.			
The amount payable and receivable to / from State Deviation Pool does not match for a given day. In order to match them, the average of the "Total Payables" and "Total Receivables" is taken as a base and payable / receivables are matched to average.			
Particular		Total Amount Payable	Total Amount Receivables
Sum Total (In Rs.)		9750	11250
Average of the 'Total Amount Payable' and 'Total Amount Receivables' (In Rs.)		10500	
Adjustment Ratio# AR _{P1} (=Average / Total Amount Payable)		1.076923	
Adjustment Ratio# AR _{R1} (=Average / Total Amount Receivable)		0.933333	
First Stage Adjustment			
Amount Payable by Participants- First Adjustment			
Participants	Original Payable (In Rs.)	Adjustment Ratio AR _{P1}	Adjusted Payable (In Rs.)
D2	2850	1.076923	3069
D3	1900	1.076923	2046
SSGS1	3500	1.076923	3769
SSGS2	1500	1.076923	1615
Total Payables	9750		10500

APPENDIX - I

(Page 3 of 3)

Amount Receivable by the Participants - First Adjustment			
Participants	Original Receivable	Adjustment Ratio AR _{R1}	Adjusted Receivable
D1	4750	0.933333	4433
SSGS3	3500	0.933333	3267
Regional DSM amount	3000	0.933333	2800
Total Receivables	11250		10500
Since regional DSM amount must be paid without any adjustments, difference "actual regional DSM amount" and adjusted DSM amount" shall be recovered from remaining participant in proportion to their original amounts			
Difference between adjusted regional DSM amount and Actual Regional DSM amount		2800-3000=-200	
Original Total receivables excluding Actual Regional DSM amount		11250-3000=8250	
Adjustment Ratio AR _{R2} for receivables		-200/8250=-0.024242	
Second Stage Adjustment			
Participants	Original Receivables	Adjustment Ratio AR _{R2}	Adjusted Receivables
D1	4750	-0.024242	-115
SSGS3	3500	-0.024242	-85
Total Receivables	8250		-200
Amount Receivable by Participants (for a given day in a week) - Final			
Participants	Amount after first Adjustment	Second adjustment Amount	Total (Final) Adjusted Amount
D1	4433	-115	4318
SSGS3	3267	-85	3182
Regional DSM amount	3000	0	3000
Total Receivables	10700	-200	10500
Balanced State DSM Pool Account of Long Term Entities			
Amount Payable by Participants		Amount Receivable by Participants	
Participants	Rs.	Participants	Rs.
D2	3069	D1	4318
D3	2046	SSGS3	3182
SSGS1	3769	Regional DSM amount	3000
SSGS2	1615		
Total Payables	10500	Total Receivables	10500
Step -3 (Stage I & II)			
After obtaining the balanced DSM pool account in step-2, the Open Access Generators / Open Access Consumers (under short term) and Generator injecting infirm power are included and same methodology is applied as of step-2 for obtaining the final balanced DSM pool account.			