

**ODISHA ELECTRICITY REGULATORY COMMISSION**  
**PLOT NO.4, SAILASHREE VIHAR,**  
**BHUBANESWAR-751021**  
**E-mail : orierc@gmail.com,**  
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**Present: Shri U. N. Behera, Chairperson**  
**Shri S. K. Parhi, Member**  
**Shri G. Mohapatra, Member**

**Case Nos. 70/2019, 75/2019, 74/2019, 76/2019,**  
**77/2019, 78/2019, 79/2019 and 80/2019**

GRIDCO Ltd., Janpath, Bhubaneswar

..... Petitioner

-Vrs. –

TPCODL, NESCO Utility, WESCO Utility, SOUTHCO  
Utility, OPTCL, SLDC, Department of Energy,  
Government of Odisha & others ..... Respondents

**IN THE MATTER OF: Revision of Retail Supply Tariff and Open Access Charges  
for FY 2020-21 consequent upon an application filed by  
GRIDCO Ltd. as per para 340 of ARR and BSP Order of  
OERC passed in Case No. 71 of 2019 dtd.22.04.2020.**

**ORDER**

**Date of hearing: 19.09.2020**

**Date of order: 23.09.2020**

The Commission vide its Order dated 22.04.2020 passed in Case No.71 of 2019 had determined the Aggregate Revenue Requirement (ARR) and Bulk Supply Price (BSP) of GRIDCO Ltd. for the FY 2020-21. In this order the Commission had left a negative revenue gap of Rs.660.15 Crore in the ARR of GRIDCO Ltd. for the FY 2020-21.

2. The Commission at para 340 of the said order dated 22.04.2020 had observed as follows:-

*“340. It is observed from above table that the Commission has estimated the net revenue requirement of GRIDCO to the tune of Rs.8274.98 Crore after adjustment of miscellaneous receipts of Rs.47.70 Crore and GRIDCO would recover Rs.7614.83 Crore from the DISCOM Utilities through Bulk Supply Price during the FY 2020-21 leaving a negative gap of Rs.660.15 Crore. The Commission has estimated the energy availability of 34960.13 MU to GRIDCO from different sources during FY 2020-21 and the State requirement has been estimated at 29018.76 MU, leaving a surplus availability of 5941.37 MU. The Commission directs GRIDCO for trading of the available surplus power on prudent commercial principles in the market after meeting the State requirement and adjust the revenue earnings from trading and UI sources towards meeting the above gap and past losses. In case the above gap of Rs. 660.15*

*Crone is not met from the trading and the UI accounts, the balance amount shall be treated as regulatory asset to be amortized by the Commission at future date. The gap in the ARR has been allowed by the Commission to provide relief to the consumers of the State considering COVID-19 situation prevailing now. If the situation improves during the current financial year, the Commission may revisit the gap on an application of GRIDCO.”*

3. Further, the Commission at para 358 of the said order had observed as follows:-

*“358. Considering the COVID-19 situation there has been no hike in BSP for the FY 2020-21. However, if the situation improves during the course of the current financial year, the revision of BSP may be considered by the Commission at appropriate time under Section 62 (4) of the Act.”*

4. In light of the above, GRIDCO Ltd. has filed an application praying the Commission to revisit the gap as the COVID-19 situation has started improving. The Commission observed that once the application of GRIDCO Ltd. is considered and it is required for redetermination of BSP, then the Retail Supply Tariff (RST) of DISCOMs may undergo change. Therefore, the Commission decided to hear the present petition of GRIDCO Ltd. in presence of the persons/ organizations/ institutions, those who were respondents/Objectors in earlier tariff proceedings in Case No.71 of 2019 along with Case Nos. 70,74,75,76,77, 78, 79 & 80 of 2019 wherein the ARR and RST and Open Access Charges for the Distribution Utilities were determined for the FY 2020-21. Accordingly, the Commission issued notice to all the persons/ organizations/ institutions who were parties in the above noted cases.

5. The case was heard on 19.09.2020 through video conferencing due to prevailing COVID-19 situation in the State. The following persons/ organizations/ institutions participated the hearing through video conferencing.

1. Shri Gagan Bihari Swain, Director (Fin. and Corporate Affairs), GRIDCO Ltd.

2. Shri Ananda Kumar Mohapatra

3. Shri R.P. Mahapatra

4. Shri P.K. Pradhan

5. Shri Manoj Singh, 6. Shri Goutam Jayprakash on behalf of TPCODL

7. Shri K.C. Nanda, DGM (Fin.), WESCO Utility

8. Shri Pratap Mohanty of NESCO Utility

9. The representative of SOUTHCO Utility

10. Shri Laxman Sarangi and Shri Ashok Patnaik on behalf Balasore Alloys Ltd.

11. Shri Ramesh Chandra Satpathy

12. Shri Ritwik Mishra and Shri Haresh Satpathy on behalf OPGC Ltd.

13. Ms. Niharika Pattanayak, ALO, DoE, GoO.

Nobody is present on behalf of Shri Akshya Kumar Sahani, Shri Santosh Kumar Agarwal, M/s. Utkal Chamber of Commerce & Industry Ltd., M/s. Grinity Power Tech Pvt. Ltd., ATC Telecom Infrastructure (P) Ltd., Shri Prabhakar Dora, M/s. Ferro Alloys Corporation Limited, East Coast Railway, M/s. Visa Steel Limited, M/s. Tata Steel Limited, North Odisha Chamber of Commerce and Industry (NOCCI), M/s. Confederation of Captive Power Plant (CCPPO), M/s. Indian Energy Exchange Limited, M/s. Visa Steel Limited, M/s. D.D. Iron & Steel Pvt. Ltd., M/s. Shri Jagannath Alloys Private Limited, M/s. Ritika Ispat Private Limited, M/s. Shri Radha Krishna Ispat (P) Ltd., M/s. Top Tech Steels (P) Ltd., M/s. Subh Ispat Private Limited, M/s. Maa Girija Ispat (P) Ltd., M/s. Shree Salasar Castings Pvt. Ltd., M/s. Dalmia Cement (Bharat) Limited, All India Weavers Welfare and Charitable Trust, Grahak Panchayat, Sambalpur District Consumers Federation, Sundargarh District Employee Association, Confederation of Citizen Association, Odisha Consumers Association, Balasore-Chapter, PRAYAS.

6. The Commission vide Order dated 22.04.2020 in Case No.71 of 2019 had approved the Aggregate Revenue Requirement (ARR) and Bulk Supply Price (BSP) of GRIDCO Ltd. for the year 2020-21. In the aforesaid ARR & BSP Order, the Commission has approved net ARR of Rs.8274.98 Crore with the avg. BSP of 271.09 P/U against GRIDCO's proposal of Rs.11243.72 Crore (BSP rate of 398.89 P/U), recognizing revenue gap of Rs.660.15 Crore. The Commission has considered the BSP same as previous year for recovery of costs to the tune of Rs.7614.83 Crore. The gap in the ARR has been allowed by the Commission to provide relief to the consumers of the State considering COVID-19 situation prevailing at that point of time. The Commission in the said order at para 340 mentioned that if the situation improves during the current Financial Year, the Commission may revisit the gap on an application of GRIDCO.
7. Further, the Commission at Para 3 of Retail Supply Tariff Notification on 22.04.2020 for FY 2020-21 with regard to determination of Aggregate Revenue Requirement and Retail Supply Tariff & Open Access Charges for Distribution Licensees and Utilities in

Case Nos.70, 74, 75, 76, 77, 78, 79 & 80 of 2019 has stated that considering the Covid-19 situation in the State there has been no hike in Retail Supply Tariff (RST) and BSP. However, if the situation improves during the course of the year, the revision of RST and BSP may be considered at appropriate time under Section 62 (4) of the Electricity Act. 2003.

8. In the meantime, GRIDCO had filed an application on 21.8.2020 with a prayer for revisiting gap in its ARR. Consequent to this, the Commission heard the matter on 19.09.2020 and passed an order on 23.9.2020 in case no. 71 of 2019 revising the ARR and Bulk Supply Price of GRIDCO which shall be effective in the State from **1<sup>st</sup> October,2020.**
9. The details of revised Bulk supply Price and the power purchase cost applicable to Distribution License/ utilities are given in the table below.

**Table – 1**  
**Quantum of Energy ,Bulk Supply Price and Cost of Power Purchase for FY 2020-21**

<b>Name of the DISCOMs</b>	<b>Quantum of Energy for sale during FY 2020-21 (MU)</b>	<b>Existing Bulk Supply Price i.e. approved for FY 2020-21 vide order dated 22.04.2020 (P/U)</b>	<b>Revised Bulk Supply Price approved for FY 2020-21 w.e.f. 1<sup>st</sup> October, 2020 (P/U)</b>	<b>Cost of Power purchase for FY 2020-21 as approved for FY 2020-21 vide order dated 22.04.2020 (Rs. Crore)</b>	<b>Revised cost of Power purchase for FY 2020-21 considering tariff revision from 1<sup>st</sup> Oct,2020 (Rs. Crore)</b>
CESU/TPCODL	9470.00	261.00	277.00	2471.67	2547.43
NESCO	6570.00	298.00	316.30	1957.86	2017.98
WESCO	8000.00	304.00	322.60	2432.00	2506.40
SOUTHCO	4050.00	186.00	197.40	753.30	776.39
<b>Total</b>	<b>28090 .00</b>	<b>271.09</b>	<b>287.70</b>	<b>7614.83</b>	<b>7848.19</b>

10. The Commission had approved the ARR & Retail Supply Tariff for Distribution Licensees in its order dated 22.04.2020 vide Case Nos. 70/2019 (CESU), 74/2019 (WESCO Utility), 75//2019 (NESCO Utility) and 76/2019 (SOUTHCO Utility) and had approved Open Access Charges (Wheeling Charge, Transmission Charge and Cross Subsidy Surcharge) vide Case nos. 77, 78, 79 & 80 of 2019 for FY 2020-21 which was made effective from 1st May, 2020.
11. Consequent to the above revision of power purchase cost of the Distribution Licensees and Utilities, there is a need for revision of ARR of the DISCOMs. As a result to

recover the cost of power purchase by the DISCOMs, there is requirement of revision of retail supply tariff of the Consumer. Therefore, the Commission determines the Retail Supply Price in such a way that their estimated revenue shall be sufficient to pay the power bills, the transmission charge bills including SLDC charges as well as to meet their statutory obligations including meeting the expenses towards establishment, maintenance and other allied expenses. Therefore, the gap in the revenue requirement in the present order is recalculated by the Commission.

12. Now, the Commission does not make major changes in the ARR, the basic parameters, other tariff related issues and tariff structure approved vide order dated 22.04.2020. The Commission has only revised the energy charge of the consumers with effect from 1st October, 2020 keeping all other charges unaltered which was approved on 22.04.2020.
13. Accordingly, the Commission approves the revised energy charge rate of different categories of the consumers with effect from 1<sup>st</sup> October, 2020 as given in the table below:

**Table – 2**  
**Revised Energy Charge Paise/kWh**

Sl. No.	Category of Consumers	Voltage of Supply	Existing Energy Charge (P/kWh)	Revised Energy Charge (P/kWh) w.e.f 1 <sup>st</sup> October, 2020 for FY 2020-21
	<b>LT Category</b>			
1	Domestic			
	(Consumption <= 50 units/month)	LT	250.00	<b>270.00</b>
	(Consumption >50, <=200 units/month)	LT	430.00	<b>450.00</b>
	(Consumption >200, <=400 units/month)	LT	530.00	<b>550.00</b>
	(Consumption >400 units/month)	LT	570.00	<b>590.00</b>
2	General Purpose < 110 KVA			
	(Consumption <=100 units/month)	LT	540.00	<b>560.00</b>
	(Consumption >100, <=300 units/month)	LT	650.00	<b>670.00</b>
	(Consumption >300 units/month)	LT	710.00	<b>730.00</b>
3	Irrigation Pumping and Agriculture	LT	150.00	<b>150.00</b>
4	Allied Agricultural Activities	LT	160.00	<b>160.00</b>
5	Allied Agro-Industrial Activities	LT	420.00	<b>440.00</b>
6	Public Lighting	LT	570.00	<b>590.00</b>
7	L.T. Industrial (S) Supply	LT	570.00	<b>590.00</b>
8	L.T. Industrial (M) Supply	LT	570.00	<b>590.00</b>
9	Specified Public Purpose	LT	570.00	<b>590.00</b>
10	Public Water Works and Swerage Pumping <110 KVA	LT	570.00	<b>590.00</b>
11	Public Water Works and Swerage Pumping >=110 KVA	LT	570.00	<b>590.00</b>

Sl. No.	Category of Consumers	Voltage of Supply	Existing Energy Charge (P/kWh)	Revised Energy Charge (P/kWh) w.e.f 1 <sup>st</sup> October, 2020 for FY 2020-21
12	General Purpose >= 110 KVA	LT	570.00	<b>590.00</b>
13	Large Industry	LT	570.00	<b>590.00</b>
	<b>HT Category</b>			
14	Bulk Supply - Domestic	HT	440.00	<b>460.00</b>
15	Irrigation Pumping and Agriculture	HT	140.00	<b>140.00</b>
16	Allied Agricultural Activities	HT	150.00	<b>150.00</b>
17	Allied Agro-Industrial Activities	HT	410.00	<b>430.00</b>
18	Specified Public Purpose	HT		
19	General Purpose < 110 KVA	HT		
20	H.T .Industrial (M) Supply	HT		
21	General Purpose >= 110 KVA	HT		
22	Public Water Works & Swerage Pumping	HT		
23	Large Industry	HT		
24	Power Intensive Industry	HT		
25	Ministeel Plant	HT		
26	Railway Traction	HT		
27	Emergency Supply to CPP	HT	730.00	<b>750.00</b>
28	Colony Consumption	HT	440.00	<b>460.00</b>
	<b>EHT Category</b>			
29	General Purpose	EHT		
30	Large Industry	EHT		
31	Railway Traction	EHT		
32	Heavy Industry	EHT		
33	Power Intensive Industry	EHT		
34	Ministeel Plant	EHT		
35	Emergency Supply to CPP	EHT	720.00	<b>740.00</b>
36	Colony Consumption	EHT	435.00	<b>455.00</b>

**Note: The details of Tariff applicable w.e.f 1<sup>st</sup> October, 2020 is attached at Annexure-B. The tariff as determined above is reflected in Annexure-B. For any discrepancy Annexure-B is final.**

14. Basing on normative parameters like distribution loss, AT&C loss and collection efficiency as approved in the ARR and Retail Supply Tariff order passed by the Commission on dt. 22.04.2020 vide Case Nos. 70/2019 (CESU), 74/2019 (WESCO Utility), 75//2019 (NESCO Utility) and 76/2019 (SOUTHCO Utility) we determine the revised revenue requirement for FY 2020-21.
15. The average revenue billed per unit (P/Kwh) category-wise by DISCOM Utilities for the first nine months of FY 2019-20 (in T-6 Format) after normalization along with tariff rise in each category has been multiplied by the category wise estimated sales approved by the Commission for FY 2020-21 to arrive at the revised revenue in the respective category of each licensee.

16. Based on the above tariff rise , we approve the revised expected revenue of DISCOM Utilities for FY 2020-21 as given in the table below:

**Table – 3**  
**Revised Revenue of DISCOM Utilities For FY 2020-21**

	CESU/TPCODL		NESCO Utility		WESCO Utility		SOUTHCO Utility	
	Revenue considering tariff rise on annual basis for FY 2020-21	Approved considering tariff rise w.e.f. 01.10.2020 for 2020-21	Revenue considering tariff rise on annual basis for FY 2020-21	Approved considering tariff rise w.e.f. 01.10.2020 for 2020-21	Revenue considering tariff rise on annual basis for FY 2020-21	Approved considering tariff rise w.e.f. 01.10.2020 for 2020-21	Revenue considering tariff rise on annual basis for FY 2020-21	Approved considering tariff rise w.e.f. 01.10.2020 for 2020-21
<b>EHT</b>	562.91	553.53	1,302.07	1,280.16	863.17	848.67	276.42	271.78
<b>HT</b>	944.12	929.38	262.16	257.94	1,059.87	1,042.16	197.65	194.57
<b>LT</b>	2,203.63	2,157.21	1,164.68	1,139.36	1,323.67	1,296.98	925.84	906.59
<b>Total</b>	<b>3,710.66</b>	<b>3,640.12</b>	<b>2,728.91</b>	<b>2,677.46</b>	<b>3,246.71</b>	<b>3,187.81</b>	<b>1,399.91</b>	<b>1,372.94</b>

17. Due to revision of revenue, the Commission has to revise Bad and Doubtful debt for the year FY 2020-21. The Commission in line with the earlier Order on MYT principles allows Bad and Doubtful debt @ 1% of the total annual revenue billing in HT and LT sales on normative basis. Hence the amount of Bad and doubtful debt approved by the Commission for FY 2020-21 is summarized below.

**Table – 4**  
**Bad & Doubtful Debt FY2020-21 (Approved)**

DISCOM	TPCODL	NESCO Utility	WESCO Utility	(Rs. in Crore)
				SOUTHCO Utility
Bad & Doubtful Debt approved vide order Dt.22.04.2020	30.25	13.68	22.95	10.79
Revised Bad & Doubtful Debt approved considering tariff rise w.e.f 01.10.2020	30.87	13.97	23.39	11.01

### Revenue Requirement

18. In the light of above discussion, the Commission approves the revised revenue requirement of 2020-21 of four DISCOMs, as shown in Annexure-A.
19. A summary of the approved revenue requirement, expected revenue at the approved tariff and approved revenue gap for FY 2020-21 by the Commission is given below:

**Table - 5****(Rs. in Cr.)**

DISCOM	Revenue Requirement FY 2020-21		Expected Revenue FY 2020-21		Gap (-)/Surplus(+)	
	Approved vide order dt.22.04.2020	Approved after tariff rise from 01.10.2020	Approved vide order dt.22.04.2020	Approved after tariff rise from 01.10.2020	Approved vide order dt.22.04.2020	Approved after tariff rise from 01.10.2020
WESCO	3093.23	3168.06	3128.91	3187.81	35.68	19.75
NESCO	2605.32	2665.73	2626.01	2677.46	20.69	11.73
SOUTHCO	1339.06	1362.37	1345.96	1372.94	6.90	10.57
CESU/TPCODL	3554.33	3630.71	3569.58	3640.12	15.25	9.41
<b>Total</b>	<b>10591.94</b>	<b>10826.86</b>	<b>10670.46</b>	<b>10878.33</b>	<b>78.53</b>	<b>51.46</b>

**Cross-subsidy in Tariff**

20. Due to revision of tariff, there is marginal change in the cross-subsidy in the tariff. Section 62 of the Electricity Act, 2003 empowers OERC to determine tariff for retail sale of electricity. While doing so, the Commission is to be guided by National Electricity Policy and Tariff Policy under the provision of Section 61 (i) of the said Act. Cross Subsidy has been defined in Reg.7.77 of OERC (Terms and Conditions of Determination of Wheeling Tariff and Retail Supply Tariff) Regulations, 2014 which is in conformity with para 8.3.2 of Tariff Policy and para 5.5.2 of National Electricity Policy. This is reproduced below:

*“7.77 For the purpose of computing Cross-subsidy payable by a certain category of consumers, the difference between average cost of supply to all consumers of the State taken together and average voltage-wise tariff applicable to such consumers shall be considered.”*

According to that Regulation, cross subsidy is to be worked out basing on the average cost of supply to all consumers of the State taken together and average voltage-wise tariff applicable to such consumers.

21. With calculated revenue on annual basis considering tariff rise for the DISCOMs the average cost of supply for Odisha for FY 2020-21 is as follows:

**Table – 6**  
**Revised Average Cost of Supply (per Unit) FY 2020-21 (annually)**

Expenditure	Approved vide order dt.22.04.2020 for 2020-21	Revised for 2020-21
Cost of Power Purchase (annualised)	7614.83	8,081.55
Transmission Cost	702.25	702.25
SLDC Cost	4.28	4.28

Expenditure	Approved vide order dt.22.04.2020 for 2020-21	Revised for 2020-21
<b>Total Power Purchase, Transmission and SLDC Cost (A)</b>	<b>8321.36</b>	<b>8788.08</b>
Net Employee costs	1,687.49	1,687.49
Repair and Maintenance	372.91	372.91
Administrative and General Expenses	198.40	198.40
Provision for Bad and Doubtful Debts	77.67	80.82
Depreciation	248.57	248.57
Interest Chargeable to Revenue including Interest on S.D	195.34	195.34
Sub-Total	2,780.38	2,783.53
Less: Expenses capitalised	-	-
Total Operation and Maintenance and Other Cost	<b>2780.38</b>	<b>2,783.53</b>
Return on equity	36.00	36.00
<b>Total Distribution Cost (B)</b>	<b>2,816.38</b>	<b>2,819.53</b>
Amortisation of Regulatory Asset		
True up of Past Losses	-	-
Contingency reserve	-	-
<b>Total Special Appropriation (C)</b>	Nil	Nil
<b>Total Cost (A+B+C)</b>	<b>11,137.74</b>	<b>11,607.61</b>
Approved Saleable Units (MU)	22,125.81	22,125.81
<b>Average Cost (paise per unit) (on annual basis)</b>	<b>503.38</b>	<b>524.62</b>

For the purpose of calculating average tariff, the estimated revenue realization from a voltage category and total sales to that category have been taken into consideration.

Average Tariff realization = Total expected revenue to be realized from a category as per ARR/ Total anticipated sales to that category as per ARR

The cross-subsidy calculated as per the above methodology is given in the table below:

**Table - 7**  
**Revised Cross Subsidy Table for FY 2020-21**

Year	Level of Voltage	Average cost of supply for the State as a whole (P/U)	Average Tariff P/U	Cross-Subsidy P/U	Percentage of Cross-subsidy above/below of cost of supply	Remarks
1	2	3	4	5= (4) – (3)	6= (5 / 3)	7
2016-17	EHT	480.40	572.36	91.96	19.14%	The tariff for HT and EHT category has been calculated based on average
	HT		575.86	95.46	19.87%	
	LT		393.36	-87.04	-18.12%	
2017-18	EHT	488.26	580.45	92.19	18.88%	
	HT		581.60	93.34	19.12%	
	LT		398.95	-89.31	-18.29%	
2018-19	EHT	489.47	576.88	87.41	17.86%	
	HT		579.18	89.71	18.33%	

Year	Level of Voltage	Average cost of supply for the State as a whole (P/U)	Average Tariff P/U	Cross-Subsidy P/U	Percentage of Cross-subsidy above/below of cost of supply	Remarks
	LT		398.72	-90.76	-18.54%	tariff.
2019-20	EHT	499.71	577.21	77.49	15.51%	
	HT		579.38	79.67	15.94%	
	LT		406.21	-93.50	-18.71%	
2020-21 Revised annually	EHT	524.62	595.77	71.15	13.56%	
	HT		596.18	71.56	13.64%	
	LT		433.81	-90.81	-17.31%	

22. It would be noted from the above that Commission, in line with the mandate of the National Electricity Policy and Tariff Policy, has managed to keep cross-subsidy among the subsidised and subsidising category of consumers in the State within  $\pm 20\%$ . The Commission makes it clear that the above cross subsidy is meant only for Retail Supply Tariff fixation in the state applicable to all consumers (except BPL and agriculture) and not to be confused with cross subsidy surcharge payable by open access consumers to the DISCOM. The cross subsidy surcharge is applicable only to open access consumer which is discussed hereinafter.

#### **Open Access Charges (Cross Subsidy Surcharge and Wheeling Charges)**

23. Due to revision in BSP as well as RST, there is a revision in the Open Access Charges. The tariff for HT and EHT consumers for determination of cross subsidy surcharge has been assumed at 100% load factor since open access drawal is made to utilise the full quantum of the power so availed. The formula prescribed in Tariff Policy in Para 8.5.1 for determination of cross subsidy surcharge is as follows:

#### **Surcharge formula:**

$$S = T - [C / (1 - L/100) + D + R]$$

Where:

S is the surcharge

T is the tariff payable by the relevant category of consumers, including reflecting the Renewable Purchase Obligation

C is the per unit weighted average cost of power purchase by the Licensee, including meeting the Renewable Purchase Obligation

D is the aggregate of transmission, distribution and wheeling charge applicable to the relevant voltage level

L is the aggregate of transmission, distribution and commercial losses, expressed as a percentage applicable to the relevant voltage level

R is the per unit cost of carrying regulatory assets.

24. As in the previous year Commission accepts 'C' equal to BSP of respective DISCOM Utilities as explained above. Similarly 'T' is the tariff at 100% load factor including demand charges for the respective voltage level. The wheeling charges 'D' is as determined from the distribution cost approved for the FY 2020-21 and 'L' is assumed 8% at HT and nil for EHT since EHT loss is accommodated in transmission charges.
25. The Commission had approved the Wheeling charges in its order dated 22.04.2020 at Para 349 while approving the Open Access charge for FY 2020-21. There is no change in the wheeling charges for FY 2020-21. The details are as follows:

**Table – 8  
Wheeling Charges Approved for FY 2020-21**

	<b>CESU/ TPCODL</b>	<b>NESCO Utility</b>	<b>WESCO Utility</b>	<b>SOUTHCO Utility</b>
Energy Handled at HT (MU)	8,532.17	4,378.56	6,550.00	3,586.11
Net Distribution Cost (Rs. Crs.) approved vide order dt.22.04.2020	616.99	382.45	379.29	318.96
<b>Wheeling Charge calculated for 2020-21 (Paise per unit) approved vide order dt.22.04.2020</b>	<b>72.31</b>	<b>87.35</b>	<b>57.91</b>	<b>88.94</b>

**Table - 9  
Revised Computed Surcharge for Open access consumer 1MW and above due to revision of BSP and consequential RST**

<b>DISCOM</b>	<b>CESU/ TPCODL</b>	<b>NESCO Utility</b>	<b>WESCO Utility</b>	<b>SOUTHCO Utility</b>
<b>Surcharge for EHT Consumer (P/U)</b>	241.90	202.60	196.30	321.50
<b>Surcharge for HT Consumer (P/U)</b>	148.31	90.56	113.15	218.20

26. As per mandate of the Electricity Act, 2003 under Section 42 the cross subsidy surcharge is to be reduced progressively. The Commission is authorized to evolve a methodology for such reduction. Basing on the suggestions during the hearing in the last year so also in the current proceeding, the Commission have fixed leviable surcharge at 63% of the computed value of the same for this year as against 65% of computed value of FY 2018-19.

**Table – 10**  
**Leviable Surcharge, Wheeling Charge and Transmission Charge for Open access consumer 1MW and above for FY 2020-21**

Name of the licensee	Cross Subsidy Surcharge (P/U)		Wheeling Charge P/U applicable to HT consumers only	Transmission Charges for Short Term Open access Customer (applicable for HT and EHT consumers)
	EHT	HT		
<b>CESU</b>	152.40	93.44	72.31	As per prevailing Regulation
<b>NESCO Utility</b>	127.64	57.05	87.35	
<b>WESCO Utility</b>	123.67	71.29	57.91	
<b>SOUTHCO Utility</b>	202.54	137.47	88.94	

As per Clause 8.5.1 the cross subsidy surcharge shall not exceed 20% of the tariff applicable to the category of the consumers seeking open access. For the state as a whole, the above cross subsidy surcharge works out to 15.53% in case of HT and 26.77% in case of EHT consumers as against 16.28% for HT and 27.46% for EHT consumers for FY 2019-20.

**Additional Surcharge**

27. As per principle followed in the previous order, we have not determined additional surcharge over and above the surcharge to be paid to the DISCOM Utilities to meet the fixed cost of licensee arising out of its obligation to supply as provided under Sub-Section 4 of Section 42 of the Act. This is because no such case has been brought before us by the DISCOM Utilities.

In summary,

- (i) The wheeling charge and surcharge as indicated in Table above shall be applicable from 01.10.2020.
- (ii) The normative transmission loss at EHT (3%) and normative wheeling loss for HT level (8%) shall be applicable for the year 2020-21.
- (iii) Additional Surcharge: No additional surcharge over and above the Cross-Subsidy Surcharge needs to be given at present.
- (iv) No Cross-subsidy surcharge is payable by the consumers availing Renewable power through open access.

- (v) 20% Transmission & Wheeling charge is payable by the consumers drawing power through open access from Renewable source excluding Co-generation and Bio mass power plant.

These charges as notified above will remain in force until further orders.

28. The above Open Access Charges (Wheeling Charge, Transmission Charge and Cross Subsidy Surcharge) decided in this order (in Case Nos. 77, 78, 79 & 80 of 2019) shall be made effective from 1st October, 2020 and shall be in force until further order.
29. The present approval and order will form an integral part of our earlier order dated 22.04.2020 approved vide Case Nos. 70/2019 (CESU/TPCODL), 74/2019 (WESCO Utility), 75//2019 (NESCO Utility) and 76/2019 (SOUTHCO Utility) for approval of Aggregate Revenue Requirement for FY 2020-21.

**Effective date of Tariff**

30. The tariff schedule attached to this order shall be made effective from 01.10.2020 and shall be in force until further orders. In order to simplify the procedure, we stipulate that if the metering and billing date falls within 15<sup>th</sup> of October'20 (including 15th), the bill for the consumers will be prepared on pre-revised rate i.e. tariff applicable for the FY 2020-21 w.e.f 01.05.2020. If the billing and metering date falls on or after 16<sup>th</sup> of October, 2020 the bill will be prepared at the revised tariff rate i.e. Tariff applicable for 2020-21 w.e.f 01.10.2020. The DISCOMs should ensure that the billing cycle of any consumer should not be disturbed due to the above stipulations.

**Sd/-**  
**(G. Mohapatra)**  
**Member**

**Sd/-**  
**(S. K. Parhi)**  
**Member**

**Sd/-**  
**(U. N. Behera)**  
**Chairperson**

## ANNEXURE- A

## REVISE REVENUE REQUIREMENT OF DISCOMS FOR THE FY 2020-21

Expenditure	WESCO Utility		NESCO Utility		SOUTHCO Utility		CESU/TPCODL		TOTAL	
	Approved vide order 22.04.2020 for 2020-21	Revised approval for 2020-21	Approved vide order 22.04.2020 for 2020-21	Revised approval for 2020-21	Approved vide order 22.04.2020 for 2020-21	Revised approval for 2020-21	Approved vide order 22.04.2020 for 2020-21	Revised approval for 2020-21	Approved vide order 22.04.2020 for 2020-21	Revised approval for 2020-21
Cost of Power Purchase considering revise rate w.e.f 01.10.2020	2,432.00	2,506.40	1,957.86	2,017.98	753.30	776.39	2,471.67	2,547.43	7,614.83	7,848.19
Transmission Cost	200.00	200.00	164.25	164.25	101.25	101.25	236.75	236.75	702.25	702.25
SLDC Cost	1.22	1.22	1.00	1.00	0.62	0.62	1.44	1.44	4.28	4.28
<b>Total Power Purchase, Transmission &amp; SLDC Cost(A)</b>	<b>2,633.22</b>	<b>2,707.62</b>	<b>2,123.11</b>	<b>2,183.23</b>	<b>855.17</b>	<b>878.26</b>	<b>2,709.86</b>	<b>2,785.62</b>	<b>8,321.36</b>	<b>8,554.72</b>
Employee costs	361.02	361.02	348.84	348.84	370.88	370.88	606.75	606.75	1,687.49	1,687.49
Repair & Maintenance	92.24	92.24	95.09	95.09	45.96	45.96	139.62	139.62	372.91	372.91
Administrative and General Expenses	52.80	52.80	39.29	39.29	35.49	35.49	70.82	70.82	198.40	198.40
Provision for Bad & Doubtful Debts	22.95	23.39	13.68	13.97	10.79	11.01	30.25	30.87	77.67	79.24
Depreciation	61.40	61.40	63.58	63.58	29.03	29.03	94.56	94.56	248.57	248.57
Interest Chargeable to Revenue including Interest on S.D	53.20	53.20	46.85	46.85	25.48	25.48	69.81	69.81	195.34	195.34
<b>Total Operation &amp; Maintenance and Other Cost</b>	<b>643.61</b>	<b>644.05</b>	<b>607.33</b>	<b>607.62</b>	<b>517.63</b>	<b>517.85</b>	<b>1,011.81</b>	<b>1,012.43</b>	<b>2,780.38</b>	<b>2,781.95</b>
Return on equity	7.78	7.78	10.54	10.54	6.03	6.03	11.64	11.64	35.99	35.99
<b>Total Distribution Cost</b>	<b>651.39</b>	<b>651.83</b>	<b>617.87</b>	<b>618.16</b>	<b>523.66</b>	<b>523.88</b>	<b>1,023.45</b>	<b>1,024.07</b>	<b>2,816.37</b>	<b>2,817.94</b>
Less: Miscellaneous Receipt	191.39	191.39	135.66	135.66	39.77	39.77	178.98	178.98	545.80	545.80
<b>Net Distribution Cost (B)</b>	<b>460.00</b>	<b>460.44</b>	<b>482.21</b>	<b>482.50</b>	<b>483.89</b>	<b>484.11</b>	<b>844.47</b>	<b>845.09</b>	<b>2,270.57</b>	<b>2,272.14</b>
<b>Total Special Appropriation (C)</b>										
<b>Total Revenue Requirement (A+B+C)</b>	<b>3,093.22</b>	<b>3,168.06</b>	<b>2,605.32</b>	<b>2,665.73</b>	<b>1,339.06</b>	<b>1,362.37</b>	<b>3,554.33</b>	<b>3,630.71</b>	<b>10,591.93</b>	<b>10,826.86</b>
Expected Revenue(Full year considering tariff revision from 01.10.2020)	3,128.91	3,187.81	2,626.01	2,677.46	1,345.96	1,372.94	3,569.58	3,640.12	10,670.46	10,878.33
<b>GAP at existing(+/-)</b>	<b>35.69</b>	<b>19.75</b>	<b>20.69</b>	<b>11.73</b>	<b>6.90</b>	<b>10.57</b>	<b>15.25</b>	<b>9.41</b>	<b>78.53</b>	<b>51.46</b>

**ANNEXURE-B**

**RETAIL SUPPLY TARIFF EFFECTIVE FROM 1<sup>ST</sup> OCTOBER, 2020**

Sl. No.	Category of Consumers	Voltage of Supply	Demand Charge (Rs./KW/Month)/(Rs./KVA/Month)	Energy Charge (P/kWh)	Customer Service Charge (Rs./Month)	Monthly Minimum Fixed Charge for first KW or part (Rs.)	Monthly Fixed Charge for any additional KW or part (Rs.)	Rebate (P/kWh)/DPS
	<b>LT Category</b>							
1	Domestic							
1.a	Kutir Jyoti <= 30 Units/month	LT	FIXED MONTHLY CHARGE-->			80		
1.b	Others							10
	(Consumption <= 50 units/month)	LT		270.00		20	20	
	(Consumption >50, <=200 units/month)	LT		450.00				
	(Consumption >200, <=400 units/month)	LT		550.00				
	Consumption >400 units/month)	LT		590.00				
2	General Purpose < 110 KVA							10
	Consumption <=100 units/month	LT		560.00		30	30	
	Consumption >100, <=300 units/month	LT		670.00				
	(Consumption >300 units/month)	LT		730.00				
3	Irrigation Pumping and Agriculture	LT		150.00		20	10	10
4	Allied Agricultural Activities	LT		160.00		20	10	10
5	Allied Agro-Industrial Activities	LT		440.00		80	50	DPS/Rebate
6	Public Lighting	LT		590.00		20	15	DPS/Rebate
7	L.T. Industrial (S) Supply <22 KVA	LT		590.00		80	35	10
8	L.T. Industrial (M) Supply >=22 KVA <110 KVA	LT		590.00		100	80	DPS/Rebate
9	Specified Public Purpose	LT		590.00		50	50	DPS/Rebate
10	Public Water Works and Sewerage Pumping <110 KVA	LT		590.00		50	50	10
11	Public Water Works and Sewerage Pumping >=110 KVA	LT	200	590.00	30			10
12	General Purpose >= 110 KVA	LT	200	590.00	30			DPS/Rebate
13	Large Industry	LT	200	590.00	30			DPS/Rebate
	<b>HT Category</b>							
14	Bulk Supply - Domestic	HT	20	460.00	250			10
15	Irrigation Pumping and Agriculture	HT	30	140.00	250			10
16	Allied Agricultural Activities	HT	30	150.00	250			10
17	Allied Agro-Industrial Activities	HT	50	430.00	250			DPS/Rebate
18	Specified Public Purpose	HT	250		250			DPS/Rebate
19	General Purpose >70 KVA < 110 KVA	HT	250		250			10
20	H.T Industrial (M) Supply	HT	150		250			DPS/Rebate
21	General Purpose >= 110 KVA	HT	250		250			DPS/Rebate
22	Public Water Works & Sewerage Pumping	HT	250		250			10
23	Large Industry	HT	250		250			DPS/Rebate
24	Power Intensive Industry	HT	250		250			DPS/Rebate
25	Mini Steel Plant	HT	250		250			DPS/Rebate
26	Railway Traction	HT	250		250			DPS/Rebate
27	Emergency Supply to CGP	HT	0	750.00	250			DPS/Rebate
28	Colony Consumption (Both SPP & Industrial)	HT	0	460.00	0			DPS/Rebate
	<b>EHT Category</b>							
29	General Purpose	EHT	250		700			DPS/Rebate
30	Large Industry	EHT	250		700			DPS/Rebate
31	Railway Traction	EHT	250		700			DPS/Rebate
32	Heavy Industry	EHT	250		700			DPS/Rebate
33	Power Intensive Industry	EHT	250		700			DPS/Rebate
34	Mini Steel Plant	EHT	250		700			DPS/Rebate
35	Emergency Supply to CGP	EHT	0	740.00	700			DPS/Rebate
36	Colony Consumption	EHT	0	455.00	0			DPS/Rebate

**Note:**

**Slab rate of energy charges for HT & EHT (Paise/unit)**

Load Factor (%)	HT	EHT
= < 60%	555.00	550.00
> 60%	445.00	440.00

- (i) The reconnection charges w.e.f. 01.04.2015 shall continue unaltered

Category of Consumers	Rate Applicable
LT Single Phase Domestic Consumer	Rs.150/-
LT Single Phase other consumer	Rs.400/-
LT 3 Phase consumers	Rs.600/-
All HT & EHT consumers	Rs.3000/-

- (ii) Energy Charges shall be 10% higher in case of temporary connection compared to the regular connection in respective categories.

- (iii) The meter rent w.e.f. 01.04.2017 shall remain unaltered as follows:

Type of Meter	Monthly Meter Rent (Rs.)
1. Single phase electro-magnetic Kwh meter	20
2. Three phase electro-magnetic Kwh meter	40
3. Three phase electro-magnetic tri-vector meter	1000
4. Tri-vector meter for Railway Traction	1000
5. Single phase Static Kwh meter	40
6. Three Phase Static Kwh meter	150
7. Three phase Static Tri-vector meter	1000
8. Three phase Static Bi-vector meter	1000
9. LT Single phase AMR/AMI Compliant meter	50
10. LT Three phase AMR/AMI compliant meter	150

**Note:** Meter rent for meter supplied by DISCOMs shall be collected for a period of 60 months only. Once it is collected for sixty months meter rent collection should stop. All statutory levies shall be collected in addition to meter rent.

- (iv) A Reliability surcharge @ 10 paise per unit will continue only for HT consumers availing power irrespective of nature of feeder. This surcharge @ 10 paise per unit shall be charged if reliability index is more than 99% and above and voltage profile at consumer end remains within the stipulated limit. (For details see the order)
- (v) All the industrial consumers having CD of 1 MW and above and drawing power in 33 KV shall be allowed a rebate of 10 paise per unit for the units consumed in excess of 70% of load factor and up to 80% of load factor and 20 paise per unit for the units consumed in excess of 80% of the load factor per month. This shall be in addition to all other rebate the consumer is otherwise eligible.
- (vi) All the industrial consumers drawing power in EHT shall be eligible for a rebate of 10 paise per unit for all the units consumed in excess of 80% of load factor.
- (vii) LT Single Phase consumers of all categories having CD upto 5 KW with pole within 30 meters from the consumer premises

Upto 2 KW : Rs.1,500/-

Beyond 2 KW upto 5 KW : Rs.2,500/-

- Provided that if the line extension is required beyond 30 meters, the licensee/supplier shall charge @ Rs.5,000/- for every span of line extension in addition to the above charges.
- (viii) A “Tatkal Scheme” for new connection is applicable to LT Domestic, Agricultural and General Purpose consumers.
  - (ix) In case of installation with static meter/meter with provision of recording demand, the recorded demand rounded to nearest 0.5 KW shall be considered as the contract demand requiring no verification irrespective of the agreement. Therefore, for the purpose of calculation of Monthly Minimum Fixed Charge (MMFC) for the connected load below 110 KVA, the above shall form the basis.
  - (x) The billing demand in respect of consumer with Contract Demand of less than 110 KVA should be the highest demand recorded in the meter during the Financial Year irrespective of the Connected Load, which shall require no verification.
  - (xi) Three phase consumers with static meters are allowed to avail TOD rebate excluding Public Lighting and emergency supply to CGP @ 20 paise/unit for energy consumed during off peak hours. Off peak hours has been defined as 12 Midnight to 6 AM of next day.
  - (xii) Hostels attached to the Schools recognised and run by SC/ST Dept., Government of Odisha shall get a rebate of Rs.2.40 paise per unit in energy charge under Specified Public Purpose category (LT / HT) which shall be over and above the normal rebate for which they are eligible.
  - (xiii) Swajala Dhara consumers under Public Water Works and Sewerage Pumping Installation category shall get special 10% rebate if electricity bills are paid within due date over and above normal rebate.
  - (xiv) During the statutory restriction imposed by the Fisheries Department, the Ice Factories located at a distance not more than 5 Km. towards the land from the sea shore of the restricted zone will pay demand charges based on the actual maximum demand recorded during the billing period.
  - (xv) Poultry Farms with attached feed units having connected load less than 20% of the total connected load of poultry farms should be treated as Allied Agricultural Activities instead of General Purpose category for tariff purpose. If the connected load of the attached feed unit exceeds 20% of the total connected load then the entire consumption by the poultry farm and feed processing unit taken together shall be charged with the tariff as applicable for General Purpose or the Industrial Purpose as the case may be.
  - (xvi) The food processing unit attached with cold storage shall be charged at Agro-Industrial tariff if cold storage load is not less than 80% of the entire connected load. If the load of the food processing unit other than cold storage unit exceeds 20% of the connected load, then the entire consumption by the cold storage and the food processing unit taken together shall be charged with the tariff as applicable for general purpose or the industrial purpose as the case may be.
  - (xvii) Drawal by the industries during off-peak hours upto 120% of Contract Demand without levy of any penalty has been allowed. “Off-peak hours” for the purpose of tariff is defined as from 12 Midnight to 6.00 A.M. of the next day. The consumers who draw beyond their

- contract demand during hours other than the off-peak hours shall not be eligible for this benefit. If the drawal in the off peak hours exceeds 120% of the contract demand, overdrawal penalty shall be charged on the drawal over and above the 120% of contract demand (for details refer Tariff Order on 22.04.2020). When Statutory Load Regulation is imposed then restricted demand shall be treated as contract demand.
- (xviii) General purpose consumers with Contract Demand (CD) < 70 KVA shall be treated as LT consumers for tariff purposes irrespective of level of supply voltage. As per Regulation 134 (I) of OERC Distribution (Conditions of Supply) Code, 2019 the supply for load above 5 KW upto and including 70 KVA shall be in 3-phase, 3 or 4 wires at 400 volts between phases.
- (xix) Own Your Transformer – “OYT Scheme” is intended for the existing individual LT domestic, individual/Group General Purpose consumers who would like to avail single point supply by owning their distribution transformer. In such a case licensee would extend a special concession of 5% rebate on the total electricity bill (except electricity duty and meter rent) of the respective category apart from the normal rebate on the payment of the bill by the due date. If the payment is not made within due date no rebate, either normal or special is payable. The maintenance of the ‘OYT’ transformer shall be made by DISCOM utilities. For removal of doubt it is clarified that the “OYT Scheme” is not applicable to any existing or new HT/EHT consumer.
- (xx) Power factor penalty shall be
- i) 0.5% for every 1% fall from 92% upto and including 70% plus
  - ii) 1% for every 1% fall below 70% upto and including 30% plus
  - iii) 2% for every 1% fall below 30%
- The penalty shall be on the monthly demand charges and energy charges
- There shall not be any power factor penalty for leading power factor. (Please see the detailed order for the category of consumers on whom power factor penalty shall be levied.)
- (xxi) The power factor incentive shall be applicable to the consumers who pay power factor penalty in the following rate:
- The rate of power factor incentive shall be 0.5% for every 1% rise above the PF of 97% up to and including 100% on the monthly demand charges and energy charges.
- (xxii) The rural LT domestic consumers shall get 5 paise per unit rebate in addition to existing prompt payment rebate who draw their power through correct meter and pay the bill in time.
- (xxiii) 2% rebate over and above normal rebate shall be allowed on the bill to the LT domestic and single phase general purpose category of consumers only over and above all the rebates who pay through digital means. This rebate shall be applicable on the current month bill if paid in full.
- (xxiv) 2% rebate shall be allowed to all pre-paid consumers on pre-paid amount.

- (xxv) A Special rebate to the LT single phase consumers in addition to any other rebate he is otherwise eligible for shall be allowed at the end of the financial year (the bill for month of March) if he has paid the bill for all the 12 months of the financial year consistently without fail within due date during the relevant financial year. The amount of rebate shall be equal to the rebate of the month of March for timely payment of bill.
- (xxvi) The Educational Institution (Specified Public Purpose) having attached hostel and / or residential colony who draw power through a single meter in HT shall be eligible to be billed 15% of their energy drawal in HT bulk supply domestic category.
- (xxvii) The printout of the record of the static meter relating to MD, PF, number and period of interruption shall be supplied to the consumer wherever possible with a payment of Rs.500/- by the consumer for monthly record.
- (xxviii) Charging of electric vehicles shall be treated as GP category.
- (xxix) Tariff as approved shall be applicable in addition to other charges as approved in this **Tariff order w.e.f. 01.10.2020.**

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Annexure - C

**Wheeling, Transmission Charges and Cross Subsidy Surcharge from 1st October, 2020 as determined by the Commission in Case Nos. 77, 78, 79 & 80 of 2019 in accordance to OERC (Terms and Conditions for Open Access) Regulations, 2005 and OERC (Determination of Open Access Charges) Regulations, 2006**

1. The Open Access Charges i.e. Cross Subsidy Surcharge, Wheeling and Transmission Charge for Open Access consumer of 1MW and above for FY 2020-21 as determined by the Commission are given in the table below:

Name of the licensee	Cross Subsidy Surcharge (P/U)		Wheeling Charge P/U applicable to HT consumers only	Transmission Charges for Open Access Customer (applicable for HT & EHT consumers)
	EHT	HT		
<b>TPCODL</b>	152.40	93.44	72.31	The Long Term Open Access customer availing Open Access shall pay Rs.6000/MW/ Day (Rs.250/MWh) and Short Term Open Access Customer shall pay charges as per applicable Regulations.
<b>NESCO Utility</b>	127.64	57.05	87.35	
<b>WESCO Utility</b>	123.67	71.29	57.91	
<b>SOUTHCO Utility</b>	202.54	137.47	88.94	
<b>NESCO Utility</b>	126.57	56.99	87.35	
<b>SOUTHCO Utility</b>	197.13	132.67	88.94	

2. The normative transmission loss at EHT (3.0%) and normative wheeling loss for HT level (8%) are applicable for the year 2020-21.
3. Additional Surcharge: No additional surcharge over and above the Cross-Subsidy Surcharge needs to be given at present.
4. No Cross-subsidy surcharge are payable by the consumers availing Renewable power.
5. 20% Transmission & Wheeling charge is payable by the consumer drawing power from Renewable source excluding Co-generation & Bio mass power plant.
6. These charges as notified above will remain in force until further order.

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