

## CESC

### Preliminary Observations on the Applications filed by the CESC for approval of APR for FY20 and ARR & Retail Supply Tariff for FY22 under MYT Framework

#### 1. Observations on Sales:

##### A. Sales- Other than IP sets:

##### Data Inconsistency:

At page-52, in the Table, the sales to IP set for FY19 should be 2733.39 MU as approved by the Commission and the total sales should be 6203.44 MU. The above inconsistency in data shall be rectified.

##### I. Annual Performance Review for FY20

The Commission in its Tariff Order, 2018, dated 30.05.2019 had approved total sales to various consumer categories at 6264.59 MU, as against the CESC proposal of 6335.34 MU. The actual sales of CESC as per the current APR filing [D-2 format] is 6406.56 MU, indicating an increase in sales to the extent of 141.97 MU with respect to the approved sales, including the auxiliary consumption. There is an increase in sales of 360.16 MU in LT-categories and decrease in sales of 218.19 MU in HT-categories.

The category-wise sales approved by Commission and the actuals for FY20 are indicated in the table below:

Category	Energy in MU		
	Approved** Energy in MU Col-2	Actuals** Energy in MU Col-3	Difference (MU) Col-4= Col 3 - Col 2
BJ/KJ Consuming more than 40 units/month	14.28	34.34	20.06
LT-2a	1051.66	1020.50	-31.16
LT-2b	11.03	10.31	-0.72
LT-3	317.61	320.75	3.14
LT-4b	0.77	0.85	0.08
LT-4c	25.32	19.29	-6.03
LT-5	147.08	151.16	4.08
LT-6 WS	292.79	262.12	-30.67

LT-6 SL	125.61	121.67	-3.94
LT-7	19.50	18.18	-1.32
HT-1	446.21	464.48	18.27
HT-2a	875.34	665.31	-210.03
HT-2b	136.85	133.13	-3.72
HT-2c	59.23	55.22	-4.01
HT-3a & b	102.90	84.46	-18.44
HT-4	4.23	4.15	-0.08
HT-5	2.80	2.62	-0.18
<b>Sub total</b>	<b>3633.20</b>	<b>3368.54</b>	<b>-264.66</b>
BJ/KJ Consuming less than or equal to 40 units/month	97.45	97.79	0.34
IP	2528.81	2934.98	406.17
<b>Sub total</b>	<b>2626.26</b>	<b>3032.77</b>	<b>406.51</b>
<b>Auxiliary</b>	<b>5.13</b>	<b>5.25</b>	<b>0.12</b>
<b>Grand total</b>	<b>6264.59</b>	<b>6406.56</b>	<b>141.97</b>

The Commission notes that the major categories contributing to the reduction in sales are LT2a (31.16 MU), LT-6WS (30.67 MU), HT-2a (210.03 MU) & HT-3(18.44 MU) and the categories contributing to increase in sales are BJ/KJ consuming more than 40 units/month (20.06 MU), IP Set ..LT-4a (406.17 MU) and HT-1 (18.27 MU).

CESC has attributed the decrease in HT-2a sales to OA/wheeling transaction by EHT/HT consumers. The Commission notes that the reduction in HT-2a sales in FY20 is 210.03 MU. On the other hand, there is reduction in OA/wheeling sales also by 60.82 MU. Thus, the reasoning of CESC is not satisfactory. Probably, the reduction may be due to reduced number of installations when compared to estimates for FY20. As against the estimated number of installations of 1075 under HT-2a category, the actuals are 1070 only.

The reduction in LT-4c and HT-3 categories is attributed to heavy rains during FY20. **The above logic should apply to LT-4a category also, which is not the case. Thus, the reasoning of CESC is not appropriate.**

The reduction in LT-2a sales is attributed by CESC to energy savings measures. However, CESC has not furnished any details of energy saving program carried out in FY20 for domestic consumers. **CESC shall furnish the details of DSM program indicating the incremental energy savings due to DSM program carried out in FY20, if any.**

The Commission notes that the specific consumption per month of BJ/KJ installations consuming more than 40units/month works out to 102.78 units/installations which is considerably high when compared to LT-2a specific consumption of 42.96 units/month/installation. **CESC shall analyze the reasons for such high specific consumption.**

In FY20, the number of installations has grown by 12.42% & 46.67% over FY19 for HT-2b & HT-4 respectively. **The reasons for such increase shall be analyzed.**

In FY20, the sales growth rate over FY19 in respect of LT 2b, LT-6, HT 2a, HT 2c & HT-3, is considerably higher. **The reasons for such high increase shall be analyzed.**

## **II. Category wise sales for FY22:**

- a. CESC in its filing has stated that forecasting for FY21 & FY22 are based on CAGR for the period FY15 to FY20, FY16 to FY20, FY17 to FY20, FY18 to FY 20 and the previous year growth rates. It is also submitted that due to Covid-19, anticipated growth rates as approved in earlier tariff orders is not achievable and therefore, minimum of the CAGRs over the years is considered. It is also stated that comparison has been made with forecast reports of 19<sup>th</sup> EPS and PRDC report and that the projections as per above reports are not considered, as they are way off the mark.
- b. CESC has adopted 3-year CAGR for estimating number of installations for LT-2a, LT-2b, HT-3, HT-5, 2-year CAGR for LT-3 & HT-2a, 5-year CAGR for LT-4b & HT-4 and for all other categories except BJ/KJ it has adopted previous year growth rate. For BJ/KJ, the number of installations is retained at September,2020 level, stating that there are no new schemes under BJ/KJ category.
- c. Similarly, CESC has adopted 5-year CAGR for estimating energy sales for LT-5& HT-1, 4-year CAGR for HT-3, 3-year CAGR for LT-2a, LT-4c, HT-2a, HT-2c & HT-4, 2-year CAGR for LT-1, LT-2b, LT-3, LT-4b and for all other categories CESC has adopted previous year growth rate.

The observations of the Commission on sales forecast are as follows:

- i. Sales estimates for BJ/KJ, LT-4b & LT-4c is done considering CAGR. CESC shall estimate the sales to BJ/KJ LT-4b & LT-4c based on FY20 specific consumption.
- ii. At Page134, the total BJ/KJ sales as per the break up furnished [Apr-Sep & Oct-March] works out to 204.96 MU, whereas in the same page for FY-21, the estimated sales is indicated as 142.14 MU. The data shall be reconciled.
- iii. In order to analyze HT sales, CESC shall furnish the breakup of sales data of HT2(a), HT2(b), HT 2(c) and HT-4 categories along with the consumption from open access / wheeling for the period 2018-19 and 2019-20 in the following format:

**HT2A**

Year	Sales by HESCOM	Energy procured by HT Consumers under open access / wheeling	Total of HESCOM Sales & OA/Wheeling consumption	% share of OA energy to Total energy
2018-19				
2019-20				

**HT2B**

Year	Sales by HESCOM	Energy procured by HT Consumers under open access / wheeling	Total of HESCOM Sales & OA/Wheeling consumption	% share of OA energy to Total energy
2018-19				
2019-20				

**HT2C**

Year	Sales by HESCOM	Energy procured by HT Consumers under open access / wheeling	Total of HESCOM Sales & OA/Wheeling consumption	% share of OA energy to Total energy
2018-19				
2019-20				

**HT4**

Year	Sales by HESCOM	Energy procured by HT Consumers under open access / wheeling	Total of HESCOM Sales & OA/Wheeling consumption	% share of OA energy to Total energy
2018-19				
2019-20				

iv. The table indicating the growth rates for the no. of installations is furnished below:

Category	Percentage Growth Rates			
	2014-15 to 2019-20 CAGR	2016-17 to 2019-20 CAGR	FY20 growth over FY19	Growth rate proposed by CESC for FY22
LT-2a	4.04	3.74	4.52	3.74
LT-2b	4.18	2.74	2.84	2.74
LT-3	5.42	4.37	4.37	4.20
LT-5	4.56	3.53	3.08	3.08
LT-6 WS	6.76	6.62	4.88	4.88
LT-6 SL	4.71	4.96	4.04	4.04
HT-1	8.26	11.01	6.88	6.86
HT-2 (a)	6.20	6.90	7.43	5.49
HT-2 (b)	8.21	9.00	12.42	7.96
HT-2 (c)	12.42	9.01	8.87	8.98
HT-3(a)& (b)	5.65	4.94	6.12	4.59
HT-4	5.29	22.39	46.67	4.17

It is noted that the growth rate considered is on the lower side for LT-3, LT-6, and all HT categories, when compared to the CAGR. **CESC may consider revising the figures for these categories.**

v. The table indicating the growth rates for the energy sales is furnished below:

Category	Percentage Growth Rates			
	2014-15 to 2019-20 CAGR	2016-17 to 2019-20 CAGR	FY20 growth over FY19	Growth rate proposed by CESC for FY22
LT-2a	3.78	2.67	5.88	2.67
LT-2b	7.41	4.75	10.73	3.55
LT-3	5.46	5.33	6.65	5.31
LT-5	1.73	2.45	1.36	1.73
LT-6 WS	13.21	5.98	18.88	4.26
LT-6 SL	6.12	5.54	7.65	3.56
HT-1	2.33	3.56	0.69	2.12
HT-2 (a)	-2.22	1.58	7.15	1.40
HT-2 (b)	4.18	4.33	3.87	0.57
HT-2(c)	8.56	4.73	10.82	4.72
HT-3(a)& (b)	10.84	8.56	13.22	0.60
HT-4	-6.54	3.62	0.00	3.49

vi. The sales growth rate considered for LT-2b, LT-6, HT2b & HT-3 is lower, keeping in view the CAGR. **CESC may consider revising the sales for these categories.**

**B. Sales to IP sets:**

**1. Sales for FY20:**

- a. The Commission, in the APR for FY19, vide its Tariff Order 2019 has approved the total sales to IP sets as 2733.39 MU after disallowing 152.13 MU with a specific consumption of 7415 units per IP set per annum for FY19. CESC in its current filing has indicated the sales to IP sets as 2934.98 MU for FY20 with a specific consumption of 7408 units per IP set per annum. While calculating the specific consumption, CESC has not taken the mid-year installations into consideration. By considering the mid-year installations of 387240  $[(378274 + 396205) / 2]$ , the specific consumption for FY20 works out to 7579  $(2934.98 / 387240)$ . The Commission notes that there is an increase in the specific consumption by 164  $(7579 - 7415)$  units per IP set per annum for FY20 as compared to approved sales for FY19. CESC needs to explain the reasons for this increase in the specific consumption for FY20.
- b. The details of sales to IP sets for FY20 as approved by the Commission in its Tariff Order 2019 and the actual sales as furnished by CESC, in its Tariff Filing for FY21, are as follows;

<b>Particulars</b>	<b>As approved by the Commission in ARR for FY20</b>	<b>As submitted by CESC Mysore for APR of FY20</b>
Number of installations	3,89,701	3,96,205 (after deducting dried up installations)
Mid-year number of installations	3,82,031	3,87,240
Specific consumption in units / installation / annum	6,619.38	7,579
Sales in MU	<b>2,528.81</b>	<b>2,934.98</b>

- c. The Commission has noted the increase in specific consumption by 959.62 MU compared to the specific consumption approved by the Commission for FY20. Also, an increase in sales by 406.17 MU as compared to the approved value has been observed. CESC has to furnish the reasons for increase in specific consumption and sales when compared to the

approved figures, when there is an increase in the number of installations is very insignificant (i.e. 6504).

- d. It is found that, CESC has considered different values of distribution losses for all agricultural feeders for assessment of sales to IP sets in its submission in feeder wise, month wise calculations. CESC has to substantiate its claim for considering the distribution losses in the above pattern, for assessing the sales to IP sets.
- e. Number of segregated agricultural feeders considered for assessment of sales to IP sets during April 2019 are 652 numbers, whereas the number of segregated IP feeders considered for March 2020 are 731 numbers as per the month-wise details furnished to the Commission. CESC has to furnish the reasons for not considering all the segregated agricultural feeders for assessment of sales to IP sets.
- f. Based on the actual data of sales to IP set installations for FY20, the specific consumption of IP sets per annum for FY20 i.e., 7,579 units per IP per annum, the monthly consumption works out to 631.6 units per IP per month. Whereas the specific consumption per IP per month in few of the O&M Sub-divisions is more than 1500 units per IP per month. CESC has to furnish the reasons for recording of such a high specific consumption per IP per month for all the feeders, where it is seen.
- g. CESC shall furnish the Division-wise number of hours of supply provided to IP sets as against the Government of Karnataka Orders for FY20 and up to September 2020.
- h. CESC has not furnished the GPS survey data by reconciling the details with the DCB as on 31.03.2020.

CESC shall furnish the reasons for the difference in number of consumers in the data as per GPS survey, if any, and the IP set assessment data, the action taken to reconcile the details of number of consumers with the figures as per the DCB statement and the action taken to regularize the unauthorized IP installations.

**Based on the above observations, CESC shall re-submit the IP assessed consumption for FY20, duly furnishing clarity on the data.**

**2. Projected sales to IP Sets for the FY22:**

- i. Details of the number of consumers as per actuals added to the system during the period April 2020 to September 2020 and the sales occurred during the same period are not considered for projection of IP sales for FY20 and FY21. CESC has mentioned that, it has considered the GOPY (Growth Over Previous Year) method for estimating the number of installations. The numbers considered doesn't match the calculations methodology explained. CESC has not furnished the methodology adopted to arrive at the number of IP installations for FY21 and FY22. In respect of sales, simply considered the specific consumption for FY20, without even reckoning the mid-year figures and projected the sales for FY21 and FY22.
- j. **The CESC, in its tariff application for FY21 has furnished IP consumption as 1,363.9289 MU for the period April to September 2020 without furnishing the month-wise break-up, as per the prescribed formats. In the absence of clear data, the Commission will not accept the projected consumption for FY22.**

**B. Validation of Sales:**

- 1. To validate the sales, category wise information in the following format shall be furnished:

**a. No. of Installations:**

Category	2018-19 Actuals		2019-20 Actuals		2020-21	
	As on 30 <sup>th</sup> Nov 2018	As on 31 <sup>st</sup> March 2019	As on 30 <sup>th</sup> Nov 2019	As on 31 <sup>st</sup> March 2020	As on 30 <sup>th</sup> Nov 2020	As on 31 <sup>st</sup> March 2021 (Estimate)
LT-2a						
LT-2b						
LT-3						
LT-4 (b)						
LT-4 (c)						
LT-5						
LT-6						
LT-6						
LT-7						
HT-1						
HT-2 (a)						
HT-2 (b)						
HT2C						

HT-3(a)& (b)						
HT-4						
HT-5						
<b>Sub Total (Other than BJ/KJ and IP )</b>						
BJ/KJ<=40units/month						
BJ/kJ > 40 units/month.						
IP sets-LT-4a						
Sub Total ( BJ/KJ and IP )						
<b>Grand Total</b>						

## b. Energy Sales

Category	2018-19 Actuals		2019-20 Actuals		2020-21	
	1st April 2018 to 30th Nov 2018 (cumulative)	1st Dec 2018 to 31st March 2019 (cumulative)	1st April 2019 to 30th Nov 2019 (cumulative)	1st Dec 2019 to 31st March 2020 (cumulative)	1st April 2020 to 30th Nov 2020 (cumulative actuals)	1st Dec 2020 to 31st March 2021 (cumulative Estimate)
LT-2a						
LT-2b						
LT-3						
LT-4 (b)						
LT-4 (c)						
LT-5						
LT-6						
LT-6						
LT-7						
HT-1						
HT-2 (a)						
HT-2 (b)						
HT2C						
HT-3(a)& (b)						
HT-4						
HT-5						
Sub Total (Other than BJ/KJ and IP sets )						
BJ/KJ<=40units/month						
BJ/kJ > 40 units/month.						
IP sets LT 4a						
Sub Total ( BJ/KJ and IP )						
<b>Grand Total</b>						

## 2. Capital Expenditure:

### A. CESC APR Capex FY20:

- a) CESC, in its APR filing has indicated in page no. 65 that the actual incurred Capex is Rs.585.88 Crores and in page number 66 the same is indicated as Rs.575.23 Crores for FY20, while furnishing the work-wise source of funding. Further under Format D-17, the capital expenditure is mentioned as Rs.667.39 Crores, as against approved amount of Rs.700 Crores for FY20. Hence CESC shall furnish the correct amount of actual capex incurred, as per the audited, for the FY20.
- b) CESC shall submit the break-up details for actual Capex incurred during FY20 as per the **Format-4** annexed hereunder.
- c) CESC shall furnish the division-wise details of Pump sets energized under Ganga Kalyana Schemes and SCP/TSP schemes, amount spent, amount of capital grants received from the Government of Karnataka and the balance amount to be received from the Government of Karnataka and the action taken thereon, with documentary evidence.
- d) CESC shall furnish the work-wise details covered under E&I works for having incurred the actual Capex of Rs.133.72 Crores for FY20 duly tallying with the audited accounts figures for FY20.
- e) CESC shall submit Work-wise break up details for other projects, supply bills, LC bills as indicated in page 66 of the filing for FY20 as indicated in the sources of funding for Capex incurred for FY20.
- f) CESC shall furnish the sources of funding for each of the category of works carried out during FY20 duly tallying the figures with the audited accounts for FY20.
- g) CESC shall furnish the capacity-wise details of replacement of failed transformers with new transformers and its cost against Capex of Rs.2.06 Crores incurred for FY20.
- h) CESC shall furnish the target date of completion of the projects sanctioned, total number of BPL beneficiaries serviced under DDUGVY and IPDS Schemes, amount spent, amount of capital grants received from the Government of India, additional grants of 15% from GOI on achievement of prescribed milestones set by GOI from the date of inception of the project till date and the balance amount to be

received from the Government of India and the action taken thereon with documentary evidence.

- i) CESC shall furnish the reasons with justification for incurring the Capex in FY20 under NJY and RGGJY, as these works were not covered in the approved Capex for FY20 as per MYT Tariff Order 2019.
- j) CESC in page no. 64 in Table indicating the capex for FY20, has furnished lump sum amount of Rs.143.07 Crores, for service connections, water supply, IP sets and new connections. CESC shall furnish work-wise break breakup details for each of these works and the capex incurred thereon against each head. CESC shall furnish the government grants received in respect of water supply, UNIP etc. and the outstanding amount to be received from the Government. CESC shall furnish the actual number of UNIP connections existing as on 01.04.2019, works completed and closing balance of UNIP installations to be provided with infrastructure during FY20 and up to November 2020. CESC shall also furnish source of funding in execution of these works in FY20 to FY22.
- k) Under Model Sub-division works CESC shall furnish the list and number of works sanctioned, Completed, balance number of works to be taken up, details of sources of funding for Capex incurred as per audited accounts, as there is huge difference in the amount submitted by the CESC in page 65 (amount incurred is Rs.17.01 Crores) and page 66 (amount incurred is Rs.43.12 Crores) for FY20 and up to November 2020.
- l) Under 5 model villages in each MLA/MP constituencies for FY20, CESC shall furnish the list and number of works sanctioned, completed, balance number of works to be taken up, details of source of funding and the amounts incurred, as per audited accounts for FY20.
- m) The CESC has utilized 'nil' amount in respect of DSM activities (Ag-DSM and Others). This clearly shows lack of seriousness on the part of CESC, in analyzing and managing the peak Load, chalking out Load Strategies, Demand Response, reducing technical and commercial losses etc. CESC shall submit the reason thereof.
- n) CESC shall submit the compliance to the observations made regarding target date of Completion, **Cost benefit ratio**, status of works with

respect to the Model Village, Model Sub-Division, DDUGJY and IPDS works as mentioned in the Tariff Order 2020.

- o) CESC shall submit the study report on techno-economic study initiated for providing Thyristor Controlled switched capacitor bank to improve Power factor, as directed in the Tariff Order 2020
- p) CESC shall submit the details as per Tariff Order 2020 (refer Page no 44) for in respect of the following for having incurred the Capex for FY20:
  - I. Distribution losses,
  - II. HT LT ratio,
  - III. Transformer failures,
  - IV. Segregation of loads,
  - V. Power Theft Reduction (number of discrepancies detected),
  - VI. Awareness programs among consumers on the usage and conservation of energy.
  - VII. Metered consumption.
- q) CESC, in its APR filing while furnishing the details of project/work- wise source of funding, has indicated the Capex under the head - Supply Bills and LC Bills. Here it is to pointed out that the actual capital expenditure is supposed to be booked /categorized against the respective capital expenditure head of account. Therefore, CESC shall categorized the actual Capex under the respective heads of account and submit the details to the commission.
- r) The Commission in its Tariff order 2020, has disallowed the Capex incurred for the following Capital works attributable to CESC and KPTCL:
  - I. Construction of link line for Nallur feeder from 66/11 KV Ponnampet MUSS to 11 KV Kanoor feeder in Balele section, Gonikoppal Sub-division, Madikeri division.
  - II. Providing the link line to new Ramenahalli feeder for the overloaded F-3 J.C pura feeder opposite to petrol bunk at J.C. pura towards Ramenahalli in D.M.Kurke section and Banavara Sub-division ,CESC for the categorized amount of Rs 0.2122 Crores.

The Commission had decided that the status of the works which were not meeting the prudence check norms would be reviewed in the next Tariff order. Hence, CESC shall furnish the present status of the work which are

considered as imprudent and conditionally prudent in Tariff order 2020 attributable to CESC and KPTCL.

- s) CESC shall submit the compliance and the details sought in the Tariff Order 2020 both the physical progress as well as the financial progress, in **respect of all the schemes taken up by CESC in the Format -1, 2 ,3 annexed.**

**B. CESC Capex proposal for FY22:**

- a) As per the Tariff application, CESC has proposed Capex of Rs.835.50 Crores and Rs.812.25 Crores FY21 and FY22 respectively, in this respect. The CESC shall explain the rationale behind submitting the revised proposal as against the Commission approved capital expenditure of Rs.650 Crores for FY21 in the Tariff Order 2019. Further, as the financial year 2020-21 is nearing completion, why the CESC has proposed the revised Capex at this juncture with the adverse financial condition faced by CESC on the account of COVID-19 shall be explained. It may also be noted that the Commission will take up APR of FY21 during the FY22-23. **Hence the question of revising the capex for FY21 in these proceedings will not arise. CESC shall regulate the capex for FY21, as per the approved figures and any excess amount incurred shall be met through appropriation/ re-appropriation within the approved capex.**
- b) As per the ARR filing CESC has projected revised Capex program for Rs.812.25 Crores and restricted the total Capital Expenditure to be incurred during FY22 of RS. 650 Crores as approved by the Commission in its Tariff Order 2019 duly revising the work wise allocations. CESC shall furnish the break up details for the various works covered under revised proposal for FY22.
- c) CESC shall furnish the work-wise breakup details for Rs.165 Crores, Rs.80 Crores towards E&I works, Model sub division respectively.
- d) CESC in its ARR filing for FY22, in page no. 140 has proposed the action plan under IPDS scheme, Distribution network strengthening and metering works in 33 towns with the proposed project cost of Rs.170 Crores. CESC

has included this amount in the Capex action plan for FY22. CESC shall examine and resubmit the same for FY22.

- e) CESC shall furnish the work wise breakup details for Rs.200 Crores towards New projects (any Central & State Govt. programs).

**FORMAT-1: physical and financial progress, in respect of the schemes taken up by CESC for FY20**

Sl. No.	Name of the Scheme	Total No. of works	Total Cost of Scheme (Rs in Cores)	Funding mechanism for the scheme	Objectives of the Scheme	Scheduled date for completion of the scheme	No. of works completed till FY20*	Objectives achieved with figures	Total expenditure till FY20*	Balance no. of works to be completed**	Expected expenditure for completion of balance works**	Expected date of completion of balance works	Cost to Benefit Ratio
1	DDUGJY												
2	IPDS												
3	R-APDRP												
4	RGGVY												
5	Model Sub Division												
6	Model Village												
7	Smart Grid												
8	Any other schemes												

**\*FORMAT-2: Year wise break up of no. of works completed and corresponding expenditure incurred from the first year of inception of the scheme to till FY20**

Sl.No.	Name of the Scheme	1 <sup>st</sup> year		2 <sup>nd</sup> year		.....		.....	
		No. of works completed	Expenditure incurred (Rs in Cr)	No. of works completed	Expenditure incurred (Rs in Cr)	No. of works completed	Expenditure incurred (Rs in Cr)	Total no. of works completed	Total expenditure till FY20
1	DDUGJY								
2	IPDS								
3	R-APDRP								
4	RGGVY								
5	Model Sub Division								

6	Model Village								
7	Smart Grid								
8	Any other schemes								

**\*\*FORMAT-3: Year wise break up of no. of balance works that will complete and corresponding expenditure for completion of balance works of the scheme from FY21 onwards**

Sl.No.	Name of the Scheme	FY21		FY22		FY23		.....		.....	
		Balance no. of works to be	Expenditure (Rs in Cr)	Balance no. of works to be	Expenditure (Rs in Cr)	Balance no. of works to be	Expenditure (Rs in Cr)	Balance no. of works to be	Expenditure (Rs in Cr)	Total no. of balance works to	Total of the expected
1	DDUGJY										
2	IPDS										
3	R-APDRP										
4	RGGVY										
5	Model Sub Division										
6	Model Village										
7	Smart Grid										
8	Any other schemes										

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**\*\*\*FORMAT-4: Break up of actual capital expenditure.**

Sl. No.	Heads of works	Provisional expenditure utilized in Crores submitted as per tariff filing 2020	Total Number of works	Expenditure pertains to spill over works in Rs. Crores	Number of Spill over works	Expenditure pertains to Fresh/New works in Rs. Crores	Number of Fresh/New works
1	E&I Works						
a	Addl. Transformers						
b	Link-Lines						
c	HT/LT Reconductoring						
2	IPDS						
3	DDUGJY						
4	NJY						
5	RGGVY						
6	Replacement of failed transformers						

7	Service Connections						
a	Water supply						
b	New connections						
8	TSP-Energization of IP sets						
9	SCP-Energization of IP sets						
10	Ganga kalyan works - Energization of IP sets						
11	Tools and Plants						
12	Civil Engineering Works						
13	Providing meters						
a	DTC						
b	BJ/KJ						
c	Street light						
13	replacement of electromechanical meters						
14	providing modems to meters for communication.						
15	IT initiatives						
16	5 Model villages in each MLA/MP constituencies						
17	Model Sub Division						
18	Smart grid						
19	UNIP						

### 3. Power Purchases:

#### A. APR for FY20

- a. CESC, in its filing under D1- Format, has indicated the actual per unit cost of Rs.9.86 for the BTPS unit-1 Generating station which is on the very higher side when compared with the approved per unit cost for FY20. In this regard, CESC shall submit the reasons with month-wise computation sheet for the same for FY20.
- b. CESC shall furnish the month-wise details of the energy with cost recovery traded with IEX for FY 20 and upto November 2020 for FY 21.
- c. The Commission, in its Tariff Order dated 30th May,2019 has directed CESC as under:

***“The Commission notes an abnormal contribution from the State towards payment of PGCIL transmission charges. Due to this there will be a substantial financial impact, resulting in an increase in the retail supply tariff to the end consumers. The Commission, therefore, directs ESCOMs/PCKL to take appropriate action immediately, to resolve the issues with the appropriate authorities regarding the PGCIL transmission tariff. Henceforth, ESCOMs/PCKL shall constitute a dedicated team, which studies the pros and cons of any methodologies/amendments proposed to PGCIL’s Transmission tariff or in any such other relevant matters, and shall effectively communicate the same to the concerned authorities, at the draft stage itself. The Commission will not allow such tariff in future, if it considers that the ESCOMs/PCKL have not taken effective and prompt steps to ensure that the PGCIL’s transmission tariff is fair and equitable to the State”***

CESC shall furnish the latest status on the issue and the action taken in the matter.

- d. The Source-wise consolidated SLDC energy reconciliation statement for the energy for FY20 shall be furnished.
- e. CESC shall furnish the plant-wise details of total energy utilized and unutilized in the format annexed at **Annexure-5** considering the merit order dispatch. Any deviation from merit order scheduling should be explained fully.

## Annexure-5

Plant wise details considering the merit order dispatch:

SL. N O.	Plant name and capacity (in MW)	Capacity Charges (Rs/Unit)	Variable Charges (Rs/Unit)	Total Per Unit Cost (Rs/Unit)	Total Energy Available (in MU)	Total energy utilized				Total Energy unutilized	
						Energy sold to consumers (in MU)	Energy sold through power exchanges and tender (in MU)	Energy utilized under UI mechanism (in MU)	Total energy utilized (in MU)	Energy unutilized due to backing down and reserve shutdown (in MU)	Capacity Charges paid for the unutilized energy (Rs in Crores)
1	2	3	4	5	6	7	8	9	10=7+8+9	11=6-10	12

### B. CESC Power Purchase for FY22(ARR):

1. CESC in its ARR filing has proposed its requirement of power for 8060.89 MU at a cost of Rs.4206.93 Crores which works out to per unit cost of Rs.4.61 for FY22. The Commission, in its MYT Tariff Order 2019, had approved the energy requirement for CESC at 8073.307 MU at a cost of Rs.3676.91 Crores, the per unit cost being Rs.4.554 for FY22. CESC shall furnish the basis for projecting the source-wise energy for FY22 with the explanation for considering high cost energy as compared with the Commission's approved requirement.
2. CESC in its filing, has indicated the energy balancing figure of 916.66MU with a cost of Rs507.75 Crores for FY22. The basis for having projected the energy balancing and the cost shall be furnished.
3. The basis and the computation sheet for reckoning the fixed cost and variable charges in respect of each of the generating stations (other than RE sources) shall be furnished for FY22.
4. CESC shall furnish the basis and the document in support for considering the fixed cost and the variable cost in respect of BTPS unit-3, YTPS units.

5. CESC shall furnish source-wise capacity and quantum of energy to be procured from RE projects for which it has executed the PPAs.
6. CESC shall furnish the methodology for forecasting the RE energy from different sources for FY22.
7. CESC shall submit the detailed power purchase write up as per D1 statement.
- 8.

**4. CESC APR Distribution Loss for FY 20:**

1. CESC in its APR filing for FY 20, has indicated the actual distribution loss of 11.12% as against the approved distribution loss of 12.70%, and then by reduced the loss by 1.58% over approved and 0.92% over FY19. The Commission desires to know action taken by CESC in reduction of 1.58% distribution loss from the approved level.
2. CESC in its filing, has indicated the loss of energy to the extent of 525.65 MU (page No:56) transmission loss for FY20 which works out to 6.79% as against 3.162% claimed by KPTCL in its filing for FY20. CESC shall explain the reason for the substantial variance in the transmission losses for FY 20.

**CESC ARR Distribution Loss for FY 22:**

1. CESC in its filing of ARR for FY22 has projected the revised distribution losses of 11.10% for FY21 and 11.05% for FY22. The Commission notes that the actual distribution loss of 12.04% and 11.12% achieved during FY19 and FY20. CESC has considered a meager reduction of 0.02% and 0.05% for FY21 and FY22 is not in commensurate with the amount of capex incurred upto FY20 and the proposed capex for FY21 and FY22. CESC shall reassess and submit the revised distribution losses projection for FY21 and FY22.
2. CESC while proposing the capital expenditure required to prioritize investments to specifically reduce losses and improve reliability of distribution system in order to reduce the distribution losses, CESC should identify high loss feeders, high loss subdivision, division and circles. But no

such details are indicated in the filing. CESC has to monitor the optimal distribution system loss should be less than 10% even to maintain the voltage regulations within the permissible limits of 9% for 11kV system and 6% for LT distribution system. CESC in order to bringing down the distribution system losses below 10%, CESC has to draw the action plan and submit the same to the Commission.

## 5. RPO Compliance

CESSC furnishing the details of RPO compliance for FY20, has stated that it has met both solar and non-solar RPO.

The observations of the Commission on RPO are as under:

1. The total power purchase quantum for FY20 as per D-1 format is 7733.95 MU. Net of hydro the power purchase quantum would be 4148.83 MU [7733.59-3376.23(KPCL-hydro)-192.20(VVNL)- 13.87(Jurala)-2.82(TB dam)]. Whereas, CESC at page 63, has indicated the same as 4177.70 MU. **CESSC shall clarify in the matter. CESC shall also indicate how much of hydro energy is added or subtracted under energy balance. Also, the power procured from Shimsha shall be indicated separately.**
2. In case of Non-solar, the break up details for 185.70 MU under short term purchase shall be furnished, reconciling the figures with D-1 Format as per accounts.
3. As per D-1 Format the solar energy purchased is as follows:

Generation source	MU
Solar PPA	856.52
NTPC VVNL	12.80
NTPC NSM	149.57
Solar Roof-Top	13.39
Solar-Banked	0.45
Total	1032.73

The Non-solar energy purchased as per D1 format is:

<b>Generation source</b>	<b>MU</b>
Medium term Co-gen.	185.70
Co-Gen PPA	31.14
Biomass	8.95
Mini-Hydel	251.34
Wind	191.65
Banked Energy	13.72
Less purchase under APPC	6.32
<b>Total</b>	<b>676.18</b>

**CESC shall add power procured from Shimsha project to Non-solar RPO compliance, as it is a Mini-Hydel project and rework out the compliance.**

4. For validating the RPO compliance and to work out APPC, CESC shall furnish the data as per the format indicated below, duly reconciling the data with audited accounts for FY20 clearly indicating the banked energy etc., explicitly:

**a. Non-solar RPO:**

<b>Sl. No.</b>	<b>Particulars</b>	<b>Quantum in MU</b>	<b>Cost- Rs. Crs.</b>
1	Total Power Purchase quantum from all sources excluding Hydro energy		
2	Non-solar Renewable energy purchased under PPA route at Generic tariff including Non-solar RE purchased from KPCL		
3	Non-solar Short-Term purchase from RE sources, excluding sec-11 purchase		
4	Non-solar Short-Term purchase from RE sources under sec-11		
5	Non-solar RE purchased at APPC		
6	Non-solar RE pertaining to green energy sold to consumers under green tariff		
7	Non-solar RE purchased from other ESCOMs		
8	Non-solar RE sold to other ESCOMs		
9	Non-solar RE purchased from any other source like banked energy purchased at 85% of Generic tariff		
10	Total Non-Solar RE Energy Purchased [No.2+ No.3+No.4+No.5 +No.7+No.9]		
11	Non-Solar RE accounted for the purpose of RPO [ No.10- No.5-No.6-No.8]		
12	Non-solar RPO complied in % [No11/No1]*100		

**b. Solar RPO:**

Sl. No.	Particulars	Quantum in MU	Cost- Rs. Crs.
1	Total Power Purchase quantum from all sources excluding Hydro energy		
2	Solar energy purchased under PPA route at Generic tariff including solar energy purchased from KPCL		
3	Solar energy purchased under Short-Term, excluding sec-11 purchase		
4	Solar Short-Term purchase from RE under sec-11		
5	Solar energy purchased under APPC		
6	Solar energy pertaining to green energy sold to consumers under green tariff		
7	Solar energy purchased from other ESCOMs		
8	Solar energy sold to other ESCOMs		
9	Solar energy purchased from NTPC (or others) as bundled power		
10	Solar energy purchased from any other source like banked energy purchased at 85% of Generic tariff		
11	Total Solar Energy Purchased [No.2+ No.3+No.4+No.5+No.7+No.9+No.10]		
12	Solar energy accounted for the purpose of RPO [ No.11- No.5-No.6-No.8]		
13	Solar RPO complied in % [No.12/No.1]*100		

**5. Wheeling charges:**

a. CESC has proposed wheeling charges of 40.01 paise/unit and 93.35 paise/unit for HT network and LT network respectively. The Commission notes that at page-150, the year is indicated as FY20 instead of FY22. This shall be rectified. Further, CESC shall indicate the applicable losses at HT & LT for wheeling purposes.

**6. Cross Subsidy Surcharge:**

CESSC has stated that it has worked out the CSS as per the formula specified in the KERC (Terms and conditions for OA) (First Amendment) Regulations, 2006 and has proposed the following CSS:

Voltage level	Paise/unit						
	HT-1	HT-2a	HT-2b	HT- 2c	HT-3B	HT-4	HT-5
66kV & above	60.65	215.28	246.86	217.94	67.82	181.44	390.59
HT-11kV & 33 kV	0.00	215.28	246.86	217.94	0.00	181.44	390.59

The Commission, in its Regulations has adopted the surcharge formula as per Tariff Policy, 2016. As such CESC shall compute the CSS as per Tariff Policy-2016 and indicate the CSS, HT-sub category-wise. Also, if CSS is negative, it shall be made zero.

## **8. Additional Surcharge (ASC):**

CESC has worked out Additional surcharge of Rs.3.24/unit as per actuals of FY20 and Rs.4.23/unit as per ARR of FY22 and has requested the Commission to continue levy of ASC for OA consumers procuring power from power exchanges and RE generators.

**The Commission in its previous tariff order dated 04.11.2020, has computed ASC based on the estimated ARR of the year for which tariff is being revised. Hence, CESC shall compute the ASC as per proposed ARR for FY22.**

## **9. Observations on other items of ARR:**

### **A. APR FY20:**

1. CESC, in its tariff application has indicated the number of employees working strength as 6764 as against the sanctioned strength of 10,404 employees for FY20. It is observed from Format-D6 that, as against 9800 number of sanctioned post of all other staff below the officer's grade, 6267 employees are working. CESC shall furnish the cadre-wise details of employees covered under all 'other staff' and explain how it is managing with the existing staff. CESC shall also furnish the number of persons working on outsourcing/on-contract basis and remuneration incurred thereon, during FY 20 and up to October 2020.
2. CESC, in its filing, as per D-1 Format has claimed the actual amount of Rs.205.92 Crores as PGCIL charges as against Rs.205.75 Crores approved by the Commission for FY 20. CESC shall furnish month-wise detailed computation, towards the charges paid to PGCIL for FY20 and up to 30<sup>th</sup> November,2020.
3. CESC, in its filing under Format-D7, has claimed an amount of Rs.46.15 Crores as the actual expenditure towards 'Other Professional charges and Remuneration paid to the Contract Agencies' for FY20 and projected Rs.55.84 Crores for FY22. CESC shall submit the details for having incurred the expenditure under this head of account for FY20 and the number of persons outsourced on contract basis, besides furnishing the reasons for claiming higher amount of Rs.55.84 Crores for FY22.

4. CESC, in its filing has claimed an amount of Rs.18.30 Crores towards conveyance and travelling expenses and Vehicle Hire Charges for FY20 and projected Rs. 22.14 Crores for FY22. The Commission, in its Tariff Order has directed CESC to control the expenses under A&G head of account. Despite issue of directions, the expenditure under this head of account is increasing year on year. CESC shall explain the reason for having incurred higher expenses under this head of account besides furnishing the details about the expenditure incurred on service station manned by regular CESC staff and also the cost of maintenance thereon along with number of vehicle hired.
5. CESC, in its filing has claimed an amount of Rs.157.47 Crores towards uncontrollable additional employees cost (Terminal Benefits) for FY20 as against the actual expenditure of Rs.112.09 booked for FY19. Further, CESC has projected Rs.190.52 Crores as terminal benefits for FY22. CESC shall furnish the detailed computation sheet for having incurred / proposed expenditure under this head of account for FY20 and FY22 along with the Actuarial Valuation Report.
6. CESC, in its filing of ARR for FY22, under Format - D9 has indicated Rs.765.53 Crores towards long term loan borrowings during FY20. Out of this amount, Rs.600 Crores being the Government interest free loans. CESC, shall submit the capital loan details along with the purpose for which the capital loan amounts were drawn (loan- wise) for FY20 and up to 30.11.2020 for FY21 in the format enclosed **(Annexure-6)**.
7. CESC in its filing has indicated the actual capital expenditure as Rs.585.85 Crores in page 65, Rs.575.23 Crores in page 66 and Rs.667.39 Crores under Format D17. CESC shall submit the actual capital expenditure incurred during FY20 duly tallied to the figures booked under each sub head of accounts under 14 series as per audited accounts for FY20.
8. CESC shall submit loan-wise details for short term/overdraft drawn during FY20 and up to November,2020 in the format enclosed. **(Annexure – 7)**

## B. ARR for FY 22

1. CESC in its filing of ARR for FY22, under Format - D9 has indicated Rs.430.48 Crores as new long term loan borrowings for FY22. CESC shall furnish the capital loan-wise details along with the purpose for which the capital loan amounts are proposed to be drawn during FY22, in the format enclosed **(Annexure-6)**.
2. CESC, in its ARR filing of ARR for FY22 under Format - D9 has not proposed any amount of new working capital loan borrowings for FY22 and claimed the interest on working capital for FY22. CESC shall explain the reason for not proposing borrowings of working capital loans for having claimed the interest on working capital for FY22.
3. CESC shall submit the details about the measures taken / action plan drawn to reduce the interest burden on Capital loans / working capital loans and late payment surcharge to the power generators as per the guidelines issued by the Govt. of India to reduce the financial burden of the transmission and distribution Companies suffering due to slowdown of economic activities on account of COVID-19.
4. CESC, in its ARR filing in page117, without giving the basis and computation sheet, has claimed Rs.49.18 Crores, as interest on consumer security Deposits for FY 22. CESC shall submit the computation sheet along with the documents in support of claiming the Bank Rate as per the provisions of relevant KERC Regulations regarding payment of interest on consumer's security deposit.
5. CESC shall submit the actual details of slab-wise of number of consumers, sectioned load and sales for FY 20 and up to nOctober,2020 for FY21 under LT-2 (a) domestic category as made out in the following Table:

Slab	No. of Consumers	Sanctioned load in Kw	Sales in MU	Demand in Rs. Crores
0-50				
50-40				
101-150				
150-200				
Above 200				

6. CESC, under Format A-2 (Balance sheet) has indicated Rs.1160.32 Crores and Rs.1333.07 Crores as opening and closing balance of receivable from consumers for sales of power, as against the actual revenue demand of Rs.4262.88 Crores for FY20. Recovery of 100% of the bill amount is the key factor in running the Company's finances most viably. This is also a key factor in achieving lower percentage of AT &C losses of the Company, besides reducing the interest burden on the power purchase and bank loans. CESC shall furnish the reasons for the accumulation of revenue receivables from the consumers during FY20 and the efforts made so far and the action plan drawn for full recovery of arrears. CESC shall also explain the basis for projecting a higher amount of closing balance of receivables for Rs.1507.75 Crores and Rs.1381.03 Crores for FY21 and FY22.
7. CESC shall submit the following category / sub-category-wise details under LT and HT in respect of Poultry Farms, Cold Storage Plants and Ice Manufacturing Plants based on the actual as on 31.03.2020 and as on 30.11.2020.

Category of consumers	No. of consumers	Sanctioned load in Kw/HP	Sales in MU	Rev. Demand for FY20	Rev. Demand for FY21 ( upto Sep.20)

8. CESC in its filing of APR for FY20 and revised ARR for FY22, has indicated the actual closing balance of work in progress of Rs.408.53 Crores for FY20, Rs.363.71 Crores for FY21 and Rs.402.78 Crores for FY22. Considering the actual Capex of FY20 and the proposed Capex for FY21 and FY22 the closing balance of work-in-progress is on the higher side. CESC has to take necessary action to complete the capex works in time so that the desired benefit of the works should reach the ultimate consumers. CESC shall furnish the reasons for the accumulation of balances under this head of account and the action plan drawn thereon for the reduction of amount under work-in-progress.

9. BESCO in its ARR filing under 'New Proposals for FY22', has proposed the new scheme to HT consumers with the aim to bring back the consumers who have opted for open access/wheeling/ captive power and also to sell the surplus power in the state at the reduced rate of energy charges. CESC shall submit its views on the proposal of BESCO.
10. CESC in its filing of ARR for FY22 under 'New Proposals' has request the approval of the Commission for the following:
  - i) to classify the energy used by the Club House and other activities within the Apartments under LT-3 (commercial) tariff schedule.
  - ii) continuation of the Special Incentive Scheme with some modification.
  - iii) merging of both rural and urban consumers under one tariff.
  - iv) application of commercial tariff to hospitals and educational institutions run by private /aided or unaided institutions form LT2(b)/HT2(c) to LT3/HT2(b) tariff schedule.

The Commission in its earlier Tariff Orders and also in Tariff Order 2020, on the similar request received from the BESCO and other ESCOMs has taken a decision on these issues. Despite the decision of the Commission on these issues, why CESC has raised the same issue, in its filing for FY22, shall be explained.

11. CESC shall submit the Audited Accounts with note / explanation / Director Reports in respect of FY20 and half year accounts for FY21.
- 12 CESC shall submit the details for the amount of additional equity received from the Government of Karnataka in various Orders (G.O wise) during FY20 and also in FY21.

#### 10. Observations on Directives:

Directive No	Directives Issued by the Commission	Observation made
1	Consumer interaction meeting at Subdivision level.	It was directed to conduct consumer interaction meetings at subdivision level chaired by the jurisdictional Superintending Engineer (EI) or the jurisdictional Executive Engineer (EI) once in a quarter to redress the consumer complaints.

Directive No	Directives Issued by the Commission	Observation made
		<p>CESC has informed that the CIMs are not conducted in few O&amp;M Subdivisions during the 4<sup>th</sup> quarter of FY20 due to Covid – 19 pandemics. But there was no pandemics during the 4<sup>th</sup> quarter of FY20.</p> <p>CESC shall furnish the proper reasons for not scheduling the CIMs during the 4<sup>th</sup> quarter of FY20.</p> <p>The CESC should take suitable measures to conduct the CIMs effectively in each of the subdivisions and invite the consumers in advance so that the purpose of such meetings is well served.</p> <p>The CESC shall furnish compliance on this.</p>
2	Directive on preparation of energy bills on monthly basis by considering 15 minute's time block period	CESC shall furnish the cost savings involved in respect of the inadvertently banked energy for FY20 and FY21 till September 2020.
3	Directive on Energy Conservation	CESC is not furnishing the compliance on quarterly basis as directed. CESC shall submit the compliance as per the directions.
4	Directive on implementation of Standards of Performance (SoP)	<p>The CESC was directed to carry out effective supervision over the functioning of field offices particularly in rendering of services to the consumers, relating to restoration of supply of electricity and to submit the details of number of violations of SoP by officers, sub-division wise, month wise, amount of penalty levied on the officers and the amount paid to the consumers for any delay in service.</p> <p>Directed CESC to conduct awareness campaign at the Hobli levels for educating the public about the Standards of Performance prescribed by the Commission. CESC to conduct necessary orientation programme for all the field officers and the staff up to linemen to educate them on the SoP and the consequences of non – adherence to the SoP and submit the quarterly progress.</p> <p>But the CESC is not submitting the compliance periodically. CESC has not reported anything on the conduct of awareness campaigns in the Hobli levels for educating consumers orientation programs for educating the officers and field staff up to the level of lineman. CESC shall submit the compliance regularly.</p>

Directive No	Directives Issued by the Commission	Observation made
5	Directive on use of safety gear by linemen	<p>CESC is not submitting the quarterly compliance report to the Commission.</p> <p>From the statistics furnished in tariff filing, 9.65% (391 Linemen out of 4051) of the linemen staff are not provided with the safety gear. The data on the safety gear provided to the contract linemen is not furnished. CESC in its previous Tariff Filing had informed that the likely date of providing safety gear to all field staff as January 2020. In the present Tariff Filing CESC is informing that, all safety gears will be provided to all the field staff by January 2021 as usual. CESC shall submit the compliance and the definite timeline for providing a complete set of safety gear to all the linemen.</p>
6	Directive on providing Timer Switches to Street lights by ESCOMs	<p>As per the data furnished in the Tariff Filing 22,960 SL installations are required to be provided with timer switches. Whereas, the numbers were 22,813 during the previous year's Tariff Filing. This shows that, in spite of the directives, CESC has not taken action to service the SL installations after providing timer switches.</p> <p>CESC has also not submitted the compliance as to whether LED / energy efficient lamps are being used and timer switches are provided while servicing of new streetlight installations.</p> <p>CESC shall submit the compliance on the same.</p>
7	Directive on Load shedding	<p>It is observed that CESC Mysore has not taken action to update the entire consumer data into the application used for public information system on power system interruption etc.,</p> <p>The CESC Mysore shall submit compliance in this regard.</p>
8	Directive on establishing a 24 X 7 fully equipped centralized consumer service centers	<p>CESC was directed to reduce the consumer downtime to address the complaints. CESC is directed to report average time taken to attend to a complaint as at present and the efforts made to reduce the downtime further in future.</p> <p>The CESC shall furnish compliance in this regard. Comparison of the downtime analysis for FY19 and FY20 shall be furnished.</p>
9	Directives on Energy Audit	<p><b>Energy Audit of cities / towns:</b></p> <p>CESC shall furnish the comparative statement of losses recorded in Towns &amp; Cities for the FY20 as against the FY19 and furnish the action taken to reduce the loss levels to less than 15%, wherever the same are more.</p> <p><b><u>DTCs Energy Audit:</u></b></p>

Directive No	Directives Issued by the Commission	Observation made
		<p>CESE was directed to furnish the details of energy audit conducted in respect of DTCs for which meters have been fixed and the remedial measures initiated to reduce losses in those DTCs every month to the Commission regularly.</p> <p>The CESE Mysore has furnished the details of energy audit conducted in respect of 13,000 DTCs only, out of 51,257 DTCs for which meters are said to have been fixed. CESE shall furnish remedial measures initiated to reduce losses in those DTCs and the timeline by which all the balance DTCs will be metered, and audited.</p> <p>It has come to the notice of the Commission that, CESE has taken initiative and invested huge capital on remote reading of energy meters provided to various DTCs for achieving efficient energy auditing. CESE shall furnish the details on the number of meters provided to DTCs to have AMI in place by the earlier agencies, % of communication achieved, % age energy audit conducted with the AMI fetched readings etc., The CESE is directed to comply with the directives of the Commission issued in all the preceding Tariff Orders, in respect of energy audit of DTCs.</p> <p>CESE shall submit the details for not conducting energy audit of all the DTCs for which the meters are fixed along with the time line by which all the remaining DTCs will be metered and audited.</p>
13	Directive on Implementation of Financial Management Framework	CESE has to submit the compliance in respect of implementation of Financial Management Framework, on quarterly basis regularly to the Commission. Shall furnish the data of analysis for FY20 as well.
14	Prevention of Electrical Accidents	<p>CESE has to furnish the details of hazardous locations identified, the balance number of hazardous locations to be rectified for FY20. CESE is required to furnish the action plan for rectification of balance hazardous locations / installations identified in its distribution network.</p> <p>CESE has to furnish the summary of the analysis made on the reports submitted by Electrical Inspectorate for FY20 and FY21 up to September, 2020, action taken to prevent such accidents in future.</p>

**(Annexure – 6)**

**Capital Loan Details for FY20 to FY22**

(Amount in Rs. Crores)

Bank/Financial Institution name	Opening Balance as on 01.04.2019	New Loan amount Borrowed	Tenure amount	Rate of Interest	Repayment of Loan	Interest amount	Closing Balance as on 31.03.2020	Scheme /Works/purpose of availing loans

**(Annexure – 7)**

**Short Term/OD Details for FY20 to FY22**

(Amount in Rs. Crores)

Bank/ Financial Institution Name	Opening Balance as on 01.04.2019	New Loan Borrowed	Tenure	Rate of Interest	Repayment of Loan	Interest amount	Closing Balance as on 31.03.2020

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