

APPLICATION (ADDITIONAL SUBMISSION) FOR  
APPROVAL OF ANNUAL PERFORMANCE REVIEW  
FOR FY-21 AND APPROVAL FOR ARR & ERC UNDER  
MYT PERIOD FY-23-25

AND

TARIFF FILING FOR FY-23 OF HESCOM HUBBALLI.

FILING ON: 10-12-2021.



ಹುಬ್ಬಳ್ಳಿ ವಿದ್ಯುತ್ ಸರಬರಾಜು ಕಂಪನಿ ನಿಯಮಿತ  
(ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಸಂಪೂರ್ಣ ಸ್ವಾಮ್ಯಕ್ಕೆ ಒಳಪಟ್ಟಿದೆ.)  
ನಿಗಮ ಕಛೇರಿ,  
ನವನಗರ, ಪಿ.ಬಿ. ರೋಡ್, ಹುಬ್ಬಳ್ಳಿ - 580 025.



HUBLI ELECTRICITY SUPPLY COMPANY LIMITED  
(Wholly owned Govt. of Karnataka undertaking)  
Corporate Office,  
Navanagar, P.B. Road, Hubballi-25  
Website: hescom.karnataka.gov.in

Corporate Identity Number (CIN): U31401KA2002SGC030437

No : HESCOM/DF/CA/DCA/AO(RA)/21-22/

Date : 10.12.2021

The Secretary,  
Karnataka Electricity Regulatory Commission,  
No. 16, C-1, Millers Bed Area,  
Vasant Nagar,  
Bengaluru-560 052.

Sir,

**Sub :** Additional Submission for Annual Performance Review for FY-21 and Approval  
for ARR & ERC under MYT period FY-23-25 and Tariff Filing for FY-23.

**Ref :** Hon'ble KERC Order Dtd: 29-10-2021.

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Adverting to the above subject, this is to bring to the kind notice of Hon'ble Commission, that HESCOM has already submitted the Tariff Filing for FY-23 note under ref(1).

Now, Hon'ble KERC vide ref(2) in petition No: N/170/2018 in the matter of judgement dated 02.08.2021 in Appeal No 229/2018 before the Hon'ble APTEL have revised the Tariff for Co-Generation long term power purchase agreement for FY-19, FY-20 and FY-21 on 29.10.2021.

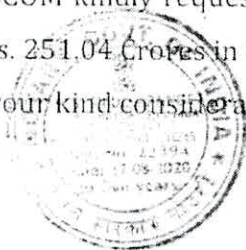
Due to this revision, HESCOM has to pay rate difference bill of Rs. 1.79/Unit for FY-19, Rs. 1.87/Unit for FY-20 and Rs. 1.95/Unit for FY-21, which is additional power purchase cost to HESCOM.

Consequently, HESCOM is burdened with additional power purchase cost amounting to Rs. 251.04 Crores for three years as mentioned below for 18 Co-Generation plants. Annexure-A enclosed.

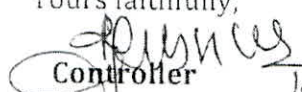
FY-19		FY-20		FY-21		Total	
Energy [In MU]	Amount [In Crores]	Energy [In MU]	Amount [In Crores]	Energy [In MU]	Amount [In Crores]	Energy [In MU]	Amount [In Crores]
430.25	77.01	387.53	72.47	520.79	101.56	1338.57	251.04

Hence, HESCOM kindly request the Hon'ble Commission to consider the additional power purchase cost of Rs. 251.04 Crores in the Tariff Filing for FY-23.

This is for your kind consideration and needful.



Yours faithfully,

  
Controller  
Corporate Office, HESCOM

(2)

**BEFORE KARNATAKA ELECTRICITY REGULATORY COMMISSION AT,  
BENGALURU.**

FILLING No....

Case No....

**In the matter of:**

In the matter of an additional submission(Addendum) for Approval of Annual Performance Review of Electricity Distribution and Retail supply business of Hubli Electricity Supply Company Limited for FY-21 and Approval for ARR & ERC for the MYT period FY-23 to 25 under Section 61 & 62 of the Electricity Act, 2003 read with relevant Regulations of KERC (Tariff) Regulations including KERC (Terms and Conditions for Determination of Tariff for Distribution and Retail Sale of Electricity) Regulations, 2006, MYT Order No. D/01/6 dated 31-05-2006.

**In the matter of:**

Hubli Electricity Supply Company Limited,  
Corporate Office, Navanagar,  
P. B. Road,  
Hubli-580025.

**AFFIDAVIT**

I, Rudrappa Nagappa Sarabad son of Nagappa Sarabad aged 48 years, working at Corporate Office, HESCOM, P.B. Road, Navanagar, Hubli-580025, do solemnly affirm and say as follows.

I am the Controller (A&R), Corporate Office, HESCOM Hubli and I am duly authorized to submit the additional application for approval of APR for FY-21, approval of ARR & ERC for MYT Period FY-23 to FY-25 and Tariff Filing for FY-23 before the Hon'ble Commission.

The statements made in the application and the related Annexure herein now shown to me and marked with letter 'A' are true to my knowledge and the statements made in the application are based on information I believe them to be true and correct.


Solemnly affirmed at Hubballi on this day 10, December 2021 that the contents of the above affidavit are true to my knowledge, no part of it is false and nothing material has been concealed there from.

Place: Hubballi  
Date: 10.12.2021



No. of Corrections

NOTARY.

  
Controller (A&R),  
Corporate Office, HESCOM,  
Navanagar, Hubballi - 580025.  
ನಿಯಂತ್ರಣಾಧಿಕಾರಿ  
(ಲೆಕ್ಕಗಳು ಮತ್ತು ಕಂದಾಯ)  
ನಿಗಮ ಕಾರ್ಯಾಲಯ ಪುನಿಸಕನಿ, ಹುಬ್ಬಳ್ಳಿ.

SOLEMNLY AFFIRMED BEFORE ME

NOTARY

10 DEC 2021



**Before the Honorable Karnataka Electricity Regulatory Commission,  
No. 16, C-1, Millers Bed Area, Vasant Nagar, Bengaluru-560 052.**

Filing No. : /2021

Case No. : /2021

Filing of the APR for FY-21 additional(Addendum) application for approval of ARR and ERC for the Retail Supply Business and for the Distribution Business for MYT period FY-23-25, Tariff filing for FY-23 under Multi Year Tariff principles in accordance with the KERC (Terms and Conditions for determination of Tariff for Distribution and retail Sale of Electricity) Regulations, 2006 by HESCOM as Distribution and Retail Supply Licensee.

**In the matter of:**

Hubli Electricity Supply Company Limited,  
Corporate Office, Navanagar,  
P.B. Road,  
Hubli-580025.

Applicant respectfully submits as under:

- 1) This filing is made by HESCOM under Section 61 of Electricity Act, 2003 for approval of APR for FY-21, determination of ARR & ERC for MYT period FY-23-25 and Tariff for the Retail Supply Business and Distribution Business for the year FY-23 following the Multi Year Tariff principles as laid out in regulations of Hon'ble KERC.
- 2) This application is filed as per provisions of above said regulations issued by the Hon'ble Commission.

This additional application comprises the following revised statements and Hon'ble KERC order as mentioned below.

- a. Hon'ble KERC order Dated: 29-10-2021 in Appeal No: 229/2018 for revision of Co-Generation tariff rates for FY-19, FY-20 and FY-21.
- b. Additional Power Purchase Cost for Rs. 251.04 Crores.
- c. ERC forms A-1, D-2, D-20, D-21(Previous Page Ref No: 255, 347, 274, 320).
- d. Expected revenue from charges at existing tariff and proposed tariff for FY-23 (Previous Page Ref No: 196).
- e. ARR for FY-23 (Previous Page Ref No: 199).
- f. ARR for Distribution Business and Retail Supply Business(Previous Page Ref No: 200).
- g. Tariff revision proposal (Previous Page Ref No: 211-216).
- h. Prayer before the Hon'ble Commission (Previous Page Ref No: 221).



*[Signature]*  
**CONTROLLER (A&R)**  
**HESCOM. HUBLI.**



Application for Approval of Annual Performance Review for FY-21 and Approval for ARR & ERC under MYT FY-23 to 25 and Tariff Filing for FY-23.

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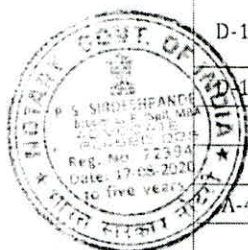
Sl. No.	Tariff Category	Category Description	FY-23				FY-23			
			At existing tariff				At proposed tariff			
			Instal.	Energy	Revenue	Avg.	Instal.	Energy	Revenue	Avg.
			(No.s)	Sales (Mus)	(Cr.)	Real. [Ps/Unit]	(No.s)	Sales (Mus)	(Cr.)	Real. [Ps/Unit]
1	LT-1	BJ/KJ: <=40 units	712285	198.98	159.19	800.00	712285	198.98	205.15	1031.00
		BJ/KJ: >40 units	47124	70.49	31.23	443.10	47124	70.49	33.21	471.10
2	LT-2 (a)	Domestic / AEH	3243309	1772.99	1184.55	668.11	3243309	1772.99	1380.78	778.79
3	LT-2 (b)		7857	17.76	18.93	1065.88	7857	17.76	20.53	1156.38
4	LT-3	Commercial	453078	518.11	547.08	1055.91	453078	518.11	592.30	1143.18
5	LT-4 (a)	IP sets - Less than 10 HP - General	1006244	6354.25	4409.85	694.00	1006244	6354.25	5871.33	924.00
6	LT-4 (b)	Irrigation Pump sets - More than 10 HP	868	14.72	8.08	549.09	868	14.72	9.63	654.44
7	LT-4 (c)	Private Horticulture Nurseries, Coffee & Tea Plantations	548	1.00	0.71	714.35	548	1.00	0.87	865.86
8	LT-5	Industries	134672	327.05	303.85	929.09	134672	327.05	414.58	1267.66
9	LT-6 a	Water Supply	59469	381.27	225.11	688.32	59469	381.27	261.96	797.94
10	LT-6 b	Street Lights	28935	154.12	114.57	300.50	28935	154.12	125.09	328.08
11	LT-7	Temporary Power Supply	271569	34.29	74.23	481.63	271569	34.29	83.72	543.22
12		FAC(LT)								
	LT Total		5965958	9845.03	7077.39	718.88	5965958	9845.03	8998.16	913.98
13	HT-1	Water Supply	502	398.26	259.48	651.52	502	398.26	321.57	807.42
14	HT-2 (a)	Industries	2385	1258.60	1106.73	879.33	2385	1258.60	1461.81	1161.45
15	HT-2 (b)	Commercial	818	107.02	130.98	1223.81	818	107.02	272.80	2548.93
16	HT-2 (c)	Hospitals	432	72.54	69.26	954.70	432	72.54	88.01	1213.24
17	HT-3(a)	Irrigation & LI Societies	377	374.49	139.85	373.44	377	374.49	247.06	659.73
18	HT-3 (b)	Irrigation & LI Societies	3	0.01	0.01	0.00	3	0.01	0.02	0.00
19	HT-4	Residential Apartments	32	17.63	14.04	796.18	32	17.63	16.37	928.27
20	HT-5	Temporary Power Supply	100	31.00	42.74	1378.95	100	31.00	66.01	2129.55
21		FAC(HT)								
	HT Total		4649	2259.57	1763.09	780.28	4649	2259.57	2473.64	1094.74
	Total		5970607	12104.60	8840.48	730.34	5970607	12104.60	11471.80	947.72
Other Operating revenues										
20	Reconnection fee (D&R) (61.901, 61.902)				0.21				0.21	
21	Service Connection (Supervision Charges) (61.904)				17.66				17.66	
22	Delayed payment charges from consumers (61.905)				109.46				109.52	
23	Other Receipts from consumers(61.906, 61.600)				5.32				5.32	
24	Registration fee towards SRTPV (61.907)				0.08				0.08	
25	Facilitation fee towards SRTPV (61.908)				0.24				0.24	
26	Supervision Charges for Self Execution works (61.909)				3.60				3.60	
27	Maintenance charges for the layouts created by the Developers (61.910)				0.77				0.77	
	Gross Revenue from Sale of Power (20 to 27)			0	137.32			0	137.39	
	LESS: Rebate and Incentives									
28	Solar Rebate allowed to consumers (78.822)				3.63				3.63	
29	Incentives for prompt payment (78.823)				0.71				0.71	
30	Time of day (TOD) Tariff Incentive(78.826)				0.02				0.02	
	Total (28 to 30)				4.36				4.36	
31	Provision for withdrawal of Revenue Demand (83.830 to 83.832)				3.27				3.27	
	Total				7.63				7.63	
	GRAND TOTAL		5970607	12104.60	8970.17		5970607	12104.60	11601.56	



**ANNUAL REVENUE REQUIREMENT for FY-23.**

Rs. in Crs.

Ref. Form	Particulars	FY-23 At Existing tariff Projection
D-1	Energy at Generation Point (Mus)( Including HRECS and AEQUS)	14718.62
	Energy at Generation Point (Mus)( HESCOM)	14348.63
	Transmission Loss (units)	427.30
	Transmission Loss (%)	2.978%
D-1	Energy at Interface Point (Mus)	13921.33
D-2	Energy Sales (Mus)	12104.60
	Distribution Loss (%)	13.05%
<b>INCOME:</b>		
D-2	Revenue from sale of power	4401.14
D-3	Revenue subsidies & grants	4569.04
<b>TOTAL INCOME</b>		<b>8970.18</b>
<b>EXPENDITURE:</b>		
D-1	Purchase of Power	6468.24
	Tr. Charges (PGCIL & POSCO)	574.48
	Tr. Charges (KPTCL & SLDC) Charges	803.86
	<b>Total Power Purchase Cost</b>	<b>7846.58</b>
D-5	Repairs & maintenance	110.05
D-6	Employee Costs	1136.86
D-7	Administrative & General expenses	184.83
	<b>Total O&amp;M expenses</b>	<b>1431.74</b>
D-8	Depreciation & related debits	330.34
D-9	Interest & Finance charges	
	Interest on loan capital	336.10
	Interest on working capital	245.83
	Interest on consumer deposit	42.49
	Other interest and finance charges	
	Interest on belated payments of IPPs	
D-10	LESS: Int. & Fin. charges capitalized	
	<b>Total Interest and Finance Charges</b>	<b>624.42</b>
D-11	Other debits (incl. Bad debts)	24.22
D-12	Extraordinary Items (Exceptional Items : Adjustment of Excess Subsidy paid)	
D-13	Net prior period (credits) / charges	
	Provision for Taxes	
	Funds towards consumer Relations	0.50
A-4	Return on Equity	
	Pension and Gratuity Trust arrears	
	LESS: Excess RoE	
	LESS: Other income	329.12
	<b>ARR</b>	<b>9928.68</b>
	Add Regulatory Asset	144.07
	Add: Previous year's deficit carried forward to next year	1352.14
	Add Carrying cost @ 12% on deficit of FY-21	162.26
	Add Carrying cost on Regulatory Asset @10%	14.41
	<b>Net ARR</b>	<b>11601.56</b>
	<b>REVENUE SURPLUS / (DEFICIT):</b>	<b>-2631.38</b>



*[Signature]*  
**CONTROLLER (A&R)**  
**HESCOM, HUBLI.**

**ARR for Distribution Business and Retails Supply Business. FY-23.**

Rs. in Crs.

EXPENDITURE / ARR	Distribution Business	Retails Supply Business
	FY-23	FY-23
Power Purchase Cost	0.00	6468.24
Tr. Charges Cost(PGCIL & POSCO)	0.00	574.48
Tr. Charges Cost (KPTCL & SLDC) Charges	0.00	803.86
<b>Total Power purchase Cost</b>	<b>0.00</b>	<b>7846.58</b>
a) Repairs and Maintenance cost	69.33	40.72
b) Employee cost	716.22	420.64
c) Administration and General expenses	116.44	68.39
<b>O &amp; M Total</b>	<b>902.00</b>	<b>529.74</b>
<b>Depreciation</b>	<b>277.48</b>	<b>52.86</b>
Interest on loan	336.10	0.00
Interest on working capital	61.46	184.38
Interest on security deposit	0.00	42.49
other interest and finance charges	0.00	0.00
Interest on belated payment of PPC	0.00	0.00
Less Interest & Other expenses capitalised	0.00	0.00
<b>Total interest and Finance charges</b>	<b>397.56</b>	<b>226.87</b>
Pension and Gratuity Trust arrears	0.00	0.00
Other expenses, if any	24.22	0.00
Extraordinary Items (Exceptional Items : Adjustment of Excess Subsidy paid)	0.00	0.00
Add Distribution loss incentive	0.00	0.00
funds towards consumer education	0.00	0.50
Prior Period Charges	0.00	0.00
Return on equity	0.00	0.00
Provision for Taxation	0.00	0.00
LESS: Non-Tariff income	62.53	266.59
<b>ARR</b>	<b>1538.73</b>	<b>8389.96</b>
Add Regulatory Asset & Carrying Cost	158.48	0.00
Previous years' deficit/surplus carried forward	1352.14	0.00
Carrying cost @ 12% on deficit of FY-21	162.26	0.00
<b>Net ARR</b>	<b>3211.60</b>	<b>8389.96</b>



*[Signature]*  
**CONTROLLER (A&R)**  
**HESCOM, HUBLI.**



**CHAPETR- 9**

211  
7

**TARIFF REVISION PROPOSAL**

HESCOM has arrived at the revised Net Annual Revenue Requirement of Rs. 11601.56 Crs for FY-23 as explained in previous paras. For the purpose of arriving at the revenue deficit for FY-23, HESCOM has considered the revenue at the tariff rates approved in Tariff Order-2021. The calculations of revenue projection for FY-23 with existing tariff and proposed tariff are shown in Format-D21.

**Revenue Gap for FY-23:**

**Rs. in Crs.**

Sl No	Particulars	Amount
1	ARR for FY-23	9928.68
2	Add deficit for FY-21	1352.14
3	Add Carrying cost on deficit for FY-21 @ 12%	162.26
4	Add Regulatory Asset (288.14 / 2 Yrs)	144.07
5	Add Carrying cost on Regulatory Asset @ 10%	14.41
6	Net ARR for FY-23	11601.56
7	ERC for FY-23 @ Current Tariff	8970.18
8	<b>Gap for FY-23 (6-7)</b>	<b>2631.38</b>



**BRIDGING THE REVENUE GAP :**

HESCOM proposes to bridge the Gap by Tariff revision for FY-23 as noted below and requests the Hon'ble Commission to consider the same.

**Hike requirement for all categories :**

- Total Gap - Rs. **2631.38** Crs.
- Sales - Total sales of 12,104.60 (MU)
- Hike required (a/b)- Average increase of **Rs. 2.18**/unit on total sales of 12,104.60 MU.

HESCOM is proposing recovery of additional revenue:

- Partly by increase in fixed charges per KW/HP/KVA per month (Amounting to Rs. **1229.75 Crs** ) for all categories as tabulated below:
- Partly by increase/decrease in Energy Charges of some of the categories or retaining the existing Energy Charges of some of the categories (Amounting to Rs. **1401.63 Crs** )as tabulated below:

Tariff Category	Increase per HP/KW/KVA in Rs.	Increase/Decrease Rs. per KWH	Increase/Decrease in Revenue		
	Fixed Charges (slab-wise)	Energy Charges	FC in Crs.	EC in Crs.	TOTAL in Crs.
LT-1	20	2.31	0.00	47.95	47.95
LT-2	20 to 60	0.28	147.70	50.15	197.85
LT-3	30 to 60	0.29	30.15	15.08	45.23
LT-4(a)		2.30	0.00	1461.49	1461.49
LT-4(b) and (c)	30	0.28	1.26	0.45	1.71
LT-5	30 to 80	0.28	101.69	9.05	110.74
LT-6	50 to 60	0.30	30.30	16.06	46.37
LT-7	50	0.30	9.48	0.01	9.49
HT-1	300	0.30	50.14	11.95	62.09
HT-2	400 & 500	Reduced to 6.00 / unit for all units(single slab)	729.10	-213.45	515.65
HT-3	100	0.30	103.50	3.73	107.22
HT-4	400	Reduced to 6.00 / unit	4.09	-1.76	2.33
HT-5	300	0.30	22.34	0.93	23.27
		<b>TOTAL</b>	<b>1229.75</b>	<b>1401.62</b>	<b>2631.38</b>

#### HT Installations :

Since the contribution of fixed charges is only 10 % of the average realization rate the balance i.e. 47% (57% -10%) is concealed in the energy charges, the energy charge seems to be on a higher side. This is foremost reason for tapping HT consumers by generators. If the Demand/Fixed charges which is masked in the energy charges are separated, then the variable cost can be reduced. Hence, it is proposed for increasing the Demand charges /fixed charges for all HT consumers and reducing the tariff rate of EC lesser than Rs. 6.00 per unit in one slab, in case of HT-2 and HT-4 Category consumers.

On the basis of the above analogy, HESCOM has outlined the existing and proposed FC and per unit charges across all categories.

Tariff Category	Type of installation	Existing as per Tariff Order 2021		Proposed by HESCOM	
		Rs./unit		Rs./unit	
	Energy Charges & slabs	FC	EC	FC	EC
LT-1 : Applicable to installations serviced under BJ/KJ schemes	Installations Serviced under BJ/KJ Scheme.				
	Energy Charges (Rs./Unit)		8.00		10.31
	Subject to a monthly minimum per installation per month	60.00		80.00	
LT-2 (a) Applicable to Domestic lighting / Combined	LT-2 a (i) Applicable to areas coming under City Municipal Corporations and Urban Local Bodies				
	Fixed Charges /month				
	For the first KW	85.00		105.00	
	For every additional KW upto and inclusive of 50 KW	95.00		135.00	



lighting, Heating & Motive power	For every additional KW above 50 KW	150.00		210.00	
	<b>Energy Charges (Rs./Unit)</b>				
	For 1 to 50 units		4.05		4.33
	For 51 to 100 units		5.55		5.83
	For 101 to 200 units		7.10		7.38
	For above 200 units		8.15		8.43
	<b>LT-2 a (ii) Applicable to areas coming under Village Panchayth Area</b>				
	<b>Fixed Charges /month</b>				
	For the first KW	70.00		90.00	
	For every additional KW upto and inclusive of 50 KW	85.00		125.00	
	For every additional KW above 50 KW	140.00		200.00	
	<b>Energy Charges (Rs./Unit)</b>				
	For 1 to 50 units		3.95		4.23
	For 51 to 100 units		5.25		5.53
	For 101 to 200 units		6.80		7.08
	For above 200 units		7.65		7.93
LT-2 b : Applicable to Pvt. Professional & other Pvt. Educational Institutions	<b>LT-2 b (i) Applicable to areas coming under ULBs including CMCs.</b>				
	<b>Fixed Charges /month</b>				
	Per KW up to and inclusive of 50 KW	100.00		120.00	
	subject to minimum per month	125.00		165.00	
	For every additional KW above 50 KW	155.00		215.00	
	<b>Energy Charges (Rs./Unit)</b>				
	For 1 to 200 units		7.25		7.53
	For above 200 units		8.50		8.78
	<b>LT-2 b (ii) Applicable to areas coming under Village Panchayats</b>				
	<b>Fixed Charges /month</b>				
	Per KW up to and inclusive of 50 KW	90.00		110.00	
	subject to minimum per month	110.00		150.00	
	For every additional KW above 50 KW	145.00		205.00	
	<b>Energy Charges (Rs./Unit)</b>				
	For 1 to 200 units		6.70		6.98
	For above 200 units		7.95		8.23
LT-3.Applicable to Commercial lighting / Combined lighting, Heating & Motive power	<b>LT-3 (i) : Applicable to areas coming under ULBs including CMCs.</b>				
	<b>Fixed Charges /month</b>				
	Per KW up to and inclusive of 50 KW	105.00		135.00	
	For every additional KW above 50 KW	205.00		265.00	
	<b>Energy Charges (Rs./Unit)</b>				
	For 1 to 50 units		8.35		8.64
	For above 50 units		9.35		9.64
	<b>LT-3 (ii) : Applicable to areas coming under Village Panchayats.</b>				
	<b>Fixed Charges /month</b>				
	Per KW up to and inclusive of 50 KW	95.00		125.00	
	For every additional KW above 50 KW	195.00		255.00	
	<b>Energy Charges (Rs./Unit)</b>				
	For 1 to 50 units		7.85		8.14
	For above 50 units		8.85		9.14
LT-4 IP Sets	<b>LT-4 (a) : Applicable to IP sets up to and inclusive of 10HP</b>				
	<b>Fixed Charges/HP/month</b>				





Application for Approval of Annual Performance Review for FY-21 and Approval for ARR & ERC under MYT  
FY-23 to 25 and Tariff Filing for FY-23.

	Free power supply. Subsidized by Gom. Commision Determined Tariff		6.94	9.24
	<b>LT-4 (b) : Applicable to IP sets above 10HP</b>			
	Fixed Charges/HP/month	90.00	120.00	
	Energy Charges (Rs./unit)	3.85		4.13
	<b>LT-4 (c) : Pvt. Horti. Nurseries, Coffee &amp; Tea plantations (All installations)</b>			
	Fixed Charges/HP/month	80.00	110.00	
	Energy Charges (Rs./unit)	3.85		4.13
	<b>LT-5 : (a) Heating &amp; Motive power ( including lighting)-Industries. Municipal Corporation Area</b>			
	<b>Fixed Charges/HP/month</b>			
	i) For 5 HP & below	75.00	105.00	
LT-5 : Heating & Motive power ( including lighting)- Industries.	ii) For above 5 HP & below 40 HP	85.00	135.00	
	iii) For 40 HP & above but below 67 HP	105.00	165.00	
	iv) For 67 HP & above but below 100 HP	170.00	240.00	
	v) For 100 HP and above	200.00	280.00	
	<b>Energy Charges (Rs./Unit)</b>			
	For 1 to 500 units	5.80	6.08	
	For 501 to 1000 units	6.80	7.08	
	For above 1000 units	7.10	7.38	
	<b>LT-5 : (b) Heating &amp; Motive power ( including lighting)-Industries. Area other than that of LT-5(a)</b>			
	<b>Fixed Charges/HP/month</b>			
	i) For 5 HP & below	65.00	95.00	
	ii) For above 5 HP & below 40 HP	80.00	130.00	
	iii) For 40 HP & above but below 67 HP	100.00	160.00	
	iv) For 67 HP & above but below 100 HP	155.00	225.00	
	v) For 100 HP and above	185.00	265.00	
	<b>Energy Charges (Rs./Unit)</b>			
	For 1 to 500 units	5.70	5.98	
	For 501 to 1000 units	6.65	6.93	
	For above 1000 units	6.95	7.23	
LT-6 : Water Supply & street lights	<b>LT-6 (a): Water Supply</b>			
	Fixed Charges/HP/month Upto 67 HP	95.00	145.00	
	For every additional KW above 67 HP	195.00	255.00	
	Energy Charges (Rs./unit)	4.95	5.25	
	<b>LT-6 (b): Public Lighting</b>			
	Fixed Charges/KW/month	110.00	160.00	
	Energy Charges (Rs./unit)	6.60	6.90	
	Energy charges for LED / Induction Lighting	5.55	5.85	
	<b>LT-6 (c) Electric Vehicle Charging Stations (For Both LT &amp; HT)</b>			
	Fixed Charges/KW/month For LT Supply			
	Upto 50 KW	70.00	120.00	
	For every additional KW above 50 KW	170.00	230.00	
	Demand Charges/KVA/month For HT Supply	200.00	250.00	
	Energy Charges per KWH for both LT & HT	5.00	5.30	



LT-7. Temporary	<b>LT-7. (a) Temporary supply (Less than 67 HP)</b>			
	Energy charges		11.10	11.40
	Weekly Minimum charges	250.00	300.00	
	<b>LT-7. (b) Power supply on permanent connection basis (Less than 67 HP)</b>			
	Fixed Charges/KW/month	125.00	175.00	
HT-1. Water supply And Sewerage	Energy Charges (Rs./unit) (for less than 67 HP)		11.10	11.40
	<b>HT-1. Water supply And Sewerage</b>			
	Demand Charges/KVA/month	230.00	530.00	
HT-2 (a): HT-Industries.	Energy Charges (Rs./unit)		5.55	5.85
	<b>HT-2 (a): HT-Industries.</b>			
	Demand Charges/KVA/month	240.00	640.00	
	For 1-100000 Units (Rs./unit)		7.30	6.00
	For the balance units (Rs./unit)		7.55	6.05
	<b>Railway Traction and Effluent Treatment Plants</b>			
	Demand Charges/KVA/month	250.00	650.00	
	Energy Charges (Rs./unit) for Railway Traction		6.55	6.05
	Energy Charges (Rs./unit) for Effluent Treatment Plants serviced outside the premises of any installations under HT2a		6.95	6.00
HT-2 (b) Commercial	<b>HT-2 (b) Commercial</b>			
	Demand Charges/KVA/month	260.00	760.00	
	For 1- 200000 Units (Rs./unit)		9.00	6.00
	For above 200000 units (Rs./unit)		9.10	6.10
HT-2 © Hospitals, Ed inst -Govt	<b>HT-2 ©(i) Hospitals, Ed inst -Govt</b>			
	Demand Charges/KVA/month	240.00	640.00	
	Energy Charges (Rs./unit)			
	For 1-100000 Units (Rs./unit)		7.15	6.05
	For above 100000 units (Rs./unit)		7.55	6.00
	<b>HT-2 ©(ii) Hospitals-other than HT-2 ©(i)</b>			
	Demand Charges/KVA/month	240.00	640.00	
	Energy Charges (Rs./unit)			
	For 1-100000 Units (Rs./unit)		8.15	6.00
	For above 100000 units (Rs./unit)		8.55	6.00
HT-3 : Lift Irrigation Schemes/Lift Irrigation Societies	<b>HT-3 (a)(i) : Lift Irrigation Schemes (Govt.)</b>			
	Energy charges		3.10	3.40
	Annual Minimum charges/HP	1720.00	2920.00	
	<b>HT-3 (a)(ii) : Private L.I. Schemes/L.I. Societies (Urban &amp; Express feeders).</b>			
	Fixed Charges/HP/month	95.00	195.00	
	Energy Charges (Rs./Unit)		3.10	3.40
	<b>HT-3 (a)(iii): Private L.I. Schemes/L.I. Societies other than those HT-3(a) (ii).</b>			
	Fixed Charges/HP/month	75.00	175.00	
	Energy Charges (Rs./Unit)		3.10	3.40
	<b>HT-3 (b) : Irrigation &amp; Agricultural Farms, Nurseries &amp; Plantations.</b>			
	Energy charges		5.10	5.40
	Annual Minimum charges/HP	1780.00	2980.00	



HT-4: Residential Apartments & Colonies	HT-4 : Applicable to all areas			
	Fixed Charges/KVA/month	155.00		555.00
	Energy Charges (Rs./Unit)		7.00	6.00
HT-5: Temporary supply applicable to 67 HP & above	HT-5: Temporary supply applicable to 67 HP & above			
	Fixed Charges/HP/month	300.00		600.00
	Energy Charges (Rs./Unit)		11.10	11.40

**Other tariff related issues:****1) Proposal for Wheeling charges within HESCOM area:**

The allocation of the distribution network costs to HT and LT networks for determining wheeling charges is done in the ratio of 30:70, as was being done earlier. Based on the approved ARR for distribution business, the wheeling charges to each voltage level is worked out as under :

**Wheeling Charges****Wheeling charges- paise /unit**

Particulars	FY-23
Distribution ARR Rs Crs	1538.73
Sales – Mu	12104.60
<b>Wheeling charges- paise /unit</b>	127.12
	<b>Paise /unit</b>
HT-net work. 30%	38.14
LT- net work. 70%	88.98

In addition to the above, the following technical losses are applicable to all open access/wheeling transactions:

Loss allocation	% loss
HT	5.57
LT	7.48

The actual wheeling charges payable (after rounding off) will depend upon the point of injection & point of drawal as under:

**Paise/unit**

Injection point →	HT	LT
Drawal Point ↓		
HT	38.14 (5.57%)	127.12(13.05%)
LT	127.12 (13.05%)	38.14 (5.57%)

The Wheeling charges as determined above are applicable to all the open access/ wheeling transactions for using the HESCOM network, except for energy wheeled from renewable sources to the consumers in the State.



For wheeling and banking charges for RE sources wheeling energy to consumers within the State and also for captive RE generators including solar power projects opting the RECs, the wheeling and banking charges as specified in the Orders issued by the Commission from time to time shall be applicable.

## 2) Fuel Cost adjustment charge :

The Commission in its tariff order dated 30<sup>th</sup> April 2012 had decided to introduce fuel cost adjustment charges and the Commission has notified the Regulations on 22<sup>nd</sup> March, 2013. The Fuel Cost adjustment charges have come into effect from the billing quarter beginning from 1<sup>st</sup> July 2013. Subsequently, the Commission has notified an amendment to these Regulations on 3<sup>rd</sup> December 2013. Accordingly the Commission is reviewing FAC claims of ESCOMs on quarterly basis and separate are being issued.

## 3) Cross subsidy Charges:

HESCOM proposes the cross subsidy charges for FY-23 calculated as per MYT Regulations adopting the methodology specified in the Tariff Policy -2016 as noted below. At present scenario, as there is no CSS for LT categories, computation of CSS is not made.



Sl NO	Particulars	Paise per unit					
		HT-1 Water Supply	HT-2(a) Industries	HT-2b Commercial	HT-2 ( c )	HT-4 Residential Apartments	HT-5 Temporary
1	Average tariff rate	651.52	879.33	1223.81	954.70	796.18	1378.95
2	Cost of supply @ 66 kv and above level	559.78	559.78	559.78	559.78	559.78	559.78
4	Cross subsidy surcharge @ 66 kv & above level	91.74	319.56	664.03	394.92	236.40	819.17
5	Cost of supply at @HT level	680.18	680.18	680.18	680.18	680.18	680.18
6	Cross subsidy surcharge @HT level	-28.65	199.16	543.64	274.52	116.00	698.77
7	20% of tariff payable by relevant category	130.30	175.87	244.76	190.94	159.24	275.79
8	<b>Proposed Cross subsidy surcharge @ 66 kv &amp; above level</b>	<b>92.00</b>	<b>176.00</b>	<b>245.00</b>	<b>191.00</b>	<b>159.00</b>	<b>276.00</b>
9	<b>Proposed Cross subsidy surcharge @HT level</b>	<b>0.00</b>	<b>176.00</b>	<b>245.00</b>	<b>191.00</b>	<b>116.00</b>	<b>276.00</b>

Note: CSS is determined limiting to 20% of the the tariff applicable to relevant category as per Tariff Policy 2016 (after rounding off to nearest paise). Wherever CSS is one paise or less, it is made zero

*[Signature]*  
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HESCOM, HUBLI.

**Additional Surcharge:** HESCOM proposes for Additional Surcharge for FY23 based on Actuals of FY-21 and also ARR for FY-23 computed as stated below:

**A. Based on Actuals of FY-21:**

**Table-1**

Sl No	Particulars	Unit	110KV 66KV & 11 kV	LT	Total
1	Energy Sales as per flow diagram	MU	1804.03	9170.31	10974.34
2	Share of sales Voltage-wise	%	16.44%	83.56%	100.00%
3	Distribution Losses	MU	275.54	1400.66	1676.20
4	Total IF energy (1+3)	MU	2079.57	10570.97	12650.54
5	Transmission Loss	%	65.07	330.78	395.86
6	Total Energy at Gen Bus (4+5)	MU	2144.65	10901.75	13046.39
7	Share of Energy procured at different voltages (voltage wise energy/total energy*100)	%	16.44%	83.56%	100.0%
8	Total PP Cost(Excluding KPTCL Transmission Charge+SLDC)	Rs.in Cr.			6270.27
9	Share of PP Cost = 8*7		1030.75	5239.52	6270.27
10	Other Cost (Transmission & Dist. Network)	Rs.in Cr.			1068.67
11	Share of other cost = 2*10	Rs.in Cr.	175.67	893.00	1068.67
12	Total Cost = 9 + 11	Rs.in Cr.	1206.42	6132.52	7338.94
13	Voltage wise per unit Cost	Rs./unit	6.69	6.69	6.69

**Table-2**

Sl No	Particulars	Unit	110KV 66KV & 11 kV	LT	Total
1	Total PP Cost ( Sl. No. 8 of Table-1)	Rs.in Cr.			6270.27
2	Share of PP Cost as per Sl. No. 7 of Table-1	%	16.44%	83.56%	100.00%
3	Share of PP Cost as per Sl. No. 9 of Table-1	Rs.in Cr.	1030.75	5239.52	6270.27
4	Total Fixed Charges of Power Purchase @ Gen. Bus (Excluding KPTCL Transmission Charge+SLDC)	Rs.in Cr.			2136.79
5	Voltage wise Fixed Charge = 2*4	Rs.in Cr.	351.26	1785.53	2136.79
6	Total Variable Charges of PP at Gen. bus	Rs.in Cr.			3945.48
7	Voltage wise VC = 6*2	Rs.in Cr.	648.58	3296.90	3945.48
8	Other Cost as per Sl. No. 10 of Table-1	Rs.in Cr.	175.67	893.00	1068.67
9	Total Fixed Expenditure (4+8)	Rs.in Cr.	526.93	2678.53	3205.46

**Table-3**

Sl No	Particulars	Unit	110KV 66KV & 11 kV	LT	Total
1	Revenue for the year		1260.50	6362.03	7622.53
2	Total Demand Charge(FC) realized for the year in respect of EHT & HT consumers (except LT)	Rs.in Cr.	311.65	NA	NA
3	FC recoverable as per Sl.No. 9(Total of EHT+HT consumers of table-2 (Except LT)	Rs.in Cr.	526.93	NA	NA
4	Under recovery of FC from EHT & HT Consumers	Rs.in Cr.	215.28	NA	NA
5	Per unit under recovery from EHT & HT consumers to be recovered as Additional Surcharge	Rs. Per Unit	1.19	NA	NA



**B. Based on ARR for FY-23:**

Table-1

Sl No	Particulars	Unit	110KV 66KV & 11 kV	LT	Total
1	Energy Sales as per flow diagram	MU	2259.57	9845.03	12104.60
2	Share of sales Voltage-wise	%	18.67%	81.33%	100.00%
3	Distribution Losses	MU	339.13	1477.60	1816.73
4	Total IF energy (1+3)	MU	2598.70	11322.63	13921.33
5	Transmission Loss	%	79.76	347.54	427.30
6	Total Energy at Gen Bus (4+5)	MU	2678.46	11670.17	14348.63
7	Share of Energy procured at different voltages (voltage wise energy/total energy*100)	%	18.67%	81.33%	100.0%
8	Total PP Cost(Excluding KPTCL Transmission Charge+SLDC)	Rs.in Cr.	7042.72		
9	Share of PP Cost = 8*7		1314.67	5728.05	7042.72
10	Other Cost (Transmission & Dist. Network)	Rs.in Cr.	543.38		
11	Share of other cost =2*10	Rs.in Cr.	101.43	441.95	543.38
12	Total Cost = 9 + 11	Rs.in Cr.	1416.10	6170.00	7586.10
13	Voltage wise per unit Cost	Rs./unit	6.27	6.27	6.27

Table-2

Sl No	Particulars	Unit	110KV 66KV & 11 kV	LT	Total
1	Total PP Cost ( Sl. No. 8 of Table-1)	Rs.in Cr.	7042.72		
2	Share of PP Cost as per Sl . No. 7 of Table-1	%	18.67%	81.33%	100.00%
3	Share of PP Cost as per Sl . No. 9 of Table-1	Rs.in Cr.	1314.67	5728.05	7042.72
4	Total Fixed Charges of Power Purchase @ Gen. Bus (Excluding KPTCL Transmission Charge+SLDC)	Rs.in Cr.	2706.53		
5	Voltage wise Fixed Charge =2*4	Rs.in Cr.	505.23	2201.30	2706.53
6	Total Variable Charges of PP at Gen. bus	Rs.in Cr.	4336.19		
7	Voltage wise VC = 6*2	Rs.in Cr.	809.44	3526.75	4336.19
8	Other Cost as per Sl. No. 10 of Table-1	Rs.in Cr.	101.43	441.95	543.38
9	Total Fixed Expenditure (4+8)	Rs.in Cr.	606.66	2643.25	3249.91

Table-3

Sl No	Particulars	Unit	110KV 66KV & 11 kV	LT	Total
1	Revenue for the year		1763.09	7077.39	8840.48
2	Total Demand Charge(FC) realized for the year in respect of EHT & HT consumers (except LT)	Rs.in Cr.	321.00	NA	NA
3	FC recoverable as per Sl.No. 9(Total of EHT+HT consumers of table-2 (Except LT)	Rs.in Cr.	606.66	NA	NA
4	Under recovery of FC from EHT & HT Consumers	Rs.in Cr.	285.66	NA	NA
5	<b>Per unit under recovery from EHT &amp; HT consumers to be recovered as Additional Surcharge</b>	Rs. Per Unit	1.26	NA	NA



**ATTESTED**

NOTARY

CONTROLLER (A&R)  
HESCOM, HUBLI.



**CHAPETR- 10**

12

**PRAYER before the Honorable Commission:**

HESCOM with averments made in the respective paras of the ERC/ARR & Tariff Petition for FY-23 duly detailing the revenue requirement of HESCOM respectfully **prays the Hon'ble Commission** to;

- a. Consider the Annual Performance of HESCOM for FY-21 as detailed in Chapter-04.
- b. Consider the Energy sales of HESCOM for MYT period FY-23 to FY-25 as detailed in Chapter-06.
- c. Consider and approve the ARR for FY-23 as detailed in Chapter-07.
- d. Consider the New Proposal of HESCOM as detailed in the Chapter-08.
- e. Average tariff hike required for HESCOM to bridge the revenue gap of **Rs.2631.38 Crs** is **Rs.2.18/unit**.

Hence Hon'ble Commission is requested to consider the proposed tariff increase detailed in the Chapter- 09 and approve increase in fixed charges/demand charges & energy charges as proposed therein.

- f. Approve the proposed purchase, sales, and losses, CAPEX, ARR and ERC for FY-23.
- g. Approve the wheeling charges, cross subsidy charge and additional surcharge as proposed in Chapter-09.
- h. The decimal part of the figure appearing in the tables may differ from the actual statements, as the same is restricted to two decimal points in the formats.
- i. Condone any of errors, omissions and deletions in the petition and give a chance to provide any other necessary information as deemed fit by the Commission.

  
Controller  
Corporate Office, HESCOM  
Hubballi-580 025

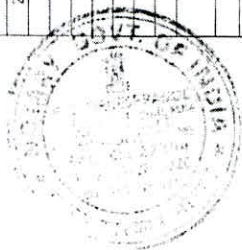


D-1(4)

**NAME OF THE ELECTRICITY SUPPLY COMPANY :- HESCOM**  
**Statement showing Projected Revenue at Revised Tariff Rates for FY-23**

Form D-21(a)

Sl No	Tariff Category	Category Description	No of Consumers	Sanctioned load (KW/KVA/HP)	Consumption (in Mus)	Particulars	Rs/unit Fixed Charges	Rs/unit Energy Charges	Fixed Charges in crores	Energy Charges in crores	Billed Amount in crores
1	LT-1 (up to 40 units)	Applicable to installations serviced under B/K schemes	712285	32304	198.98		80.00	10.31	0.00	205.15	205.15
1	LT-1 (above 40 units)	Applicable to installations serviced under B/K schemes	712285	32304	198.98				0.00	205.15	205.15
2			47124	7808		First KW	90.00		0.00		
					50.75	First 30 units		4.23		21.47	
					14.80	Next 70 units		5.53		8.19	
					4.23	Next 100		7.08		2.99	
					0.70	> 200 units		7.93		0.56	
	LT-1 (above 40 units)		47124	7808	70.49				0.00	33.21	33.21
	<b>Total - LT-1</b>		<b>759409</b>	<b>40112</b>	<b>269.47</b>				<b>0.00</b>	<b>238.36</b>	<b>238.36</b>
2	LT-2(a)(i)	Applicable to lighting/combined lighting, heating and motive power installations of areas covered under Urban local bodies including Corporations of HESCOM	1051232	925084		First KW	105.00		97.46		
			517771	1506974		Every additional KW upto 50 KW	135.00		160.49		
						Every additional KW above 50 KW	210.00				
					560.61	First 50 units		4.33		242.74	
					263.14	Next 100 units		5.83		153.41	
					114.41	Next 100		7.38		84.43	
					205.94	> 200 units		8.43		173.61	
			<b>1569003</b>	<b>2432058</b>	<b>1144.10</b>				<b>257.95</b>	<b>654.20</b>	<b>912.14</b>
3	LT-2(a)(ii)		1222243	444472		First KW	90.00		100.00		
			452063	895084		Every additional KW upto 50 KW	125.00		82.28		
						Every additional KW above 50 KW	200.00				
					503.11	First 30 units		4.23		212.82	
					106.91	Next 70 units		5.53		59.12	
					6.29	Next 100		7.08		4.45	
					12.58	> 200 units		7.93		9.97	
			<b>1674306</b>	<b>1339556</b>	<b>628.89</b>				<b>182.28</b>	<b>286.36</b>	<b>468.64</b>
			<b>3243309</b>	<b>3771614</b>	<b>1772.99</b>				<b>440.22</b>	<b>940.56</b>	<b>1,380.78</b>
	<b>Sub Total of LT-2a</b>										



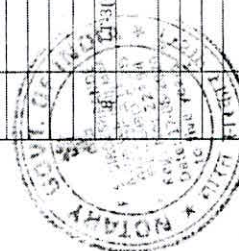
*Payu*  
**CONTROLLER (A&R)**  
**HESCOM, HUBLI.**

13



**NAME OF THE ELECTRICITY SUPPLY COMPANY :- HESCOM**  
**Statement showing Projected Revenue at Revised Tariff Rates for FY-23**

Sl No	Tariff Category	Category Description	No of Consumers	Sanctioned load (KW/KVA/HP)	Consumption (in Mus)	Particulars	Rs/unit Fixed Charges	Rs/unit Energy Charges	Fixed Charges in crores	Energy Charges in crores	Billed Amount in crores
5	LT-2(b)(i)	Applicable to the installations of Private Professional and other private educational institutions under Urban Local Bodies including City Corporations of HESCOM	3258	2932		Per KW upto 50KW	120.00		0.65		
			1914	25921		Minimum	165.00		3.73		
						Every additional KW above 50 KW	215.00				
						First 200		7.53		4.27	
					7.95	above 200 units		8.78		6.98	
			5172	28853.56	13.62				4.38	11.25	15.62
6	LT-2(b)(ii)	Applicable to the installations of Private Professional and other private educational institutions under Village Panchayats HESCOM	1826	1369		Per KW upto 50KW	110.00				
			858	10159		Minimum	150.00		1.34		
						Every additional KW above 50 KW	205.00				
						First 200		6.98		0.94	
					2.80	above 200 units		8.23		2.30	
			2685	11529	4.14				1.67	3.24	4.91
			7857	40382	17.76				6.05	14.49	20.53
			3251166	3811997	1790.75				446.27	955.05	1,401.32
7	LT-3(i)	Applicable to Commercial Lighting, Heating and Motive Power installations of all urban local bodies including city corporations of HESCOM	315440	594562		Per KW upto 50KW	135.00				
						Every additional KW above 50 KW	265.00				
						First 50		8.64		64.00	
						>50		9.64		254.54	
			315440	594562	336.71				82.32	318.54	400.86
			137638	243010		Per KW upto 50KW	125.00		27.45		
						Every additional KW above 50 KW	255.00				
						First 50		8.14		14.77	
						>50		9.14		149.22	
			137638	243010	181.40				27.45	163.99	191.44
			453078	837572	518.11				109.77	482.53	592.30
9	LT-4(a)	Applicable to IP Sets up to and inclusive of 10 HP	1006244	6781189	6354.25	Per HP	0.00		0.00		
			1006244	6781189	6354.25				0.00	5,871.33	5,871.33
12	LT-4(b)	Applicable to IP Sets - Above 10 HP	868	31624	14.72	Per HP	120.00		3.55		
			868	31624	14.72				3.55	6.08	9.63



*[Signature]*  
**CONTROLLER (A&R)**  
**HESCOM, HUBLI.**

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**NAME OF THE ELECTRICITY SUPPLY COMPANY :- HESCOM**  
**Statement showing Projected Revenue at Revised Tariff Rates for FY-23**

Sl No	Tariff Category	Category Description	No of Consumers	Sanctioned load (KW/KVA/HP)	Consumption (in Mus)	Particulars	Rs/unit Fixed Charges	Rs/unit Energy Charges	Fixed Charges in crores	Energy Charges in crores	Billed Amount in crores
13	LT-4	Applicable to Private Horticultural Nurseries, Coffee and Tea plantations	548	3432	1.00	Per HP	110.00	4.13	0.45	0.41	0.87
			548	3432	1.00				0.45	0.41	
			548	3432	1.00				0.45	0.41	0.87
			1007660	6816245	6369.97				4.01	5.877.82	5.881.83
14	LT-5(a)	Applicable to Heating & Motive power (including lighting) installations of HESCOM	22759	100140		<=5HP	105.00		12.62		
			8753	141525		5<x<40 HP	135.00		18.93		
			2451	142156		40<x<67 HP	165.00		24.15		
			700	49720		67<x<100 HP	240.00		10.32		
			350	35014		>=100 HP	280.00		11.76		
						First 500		6.08		47.32	
						Next 500		7.08		14.59	
						>1000		7.38		11.83	
			35014	468554	114.47				77.78	73.74	151.51
14	LT-5(b)		69760	253024		<=5HP	95.00		18.84		
			19932	269075		5<x<40 HP	130.00		26.98		
			6976	352290		40<x<67 HP	160.00		52.64		
			1993	138524		67<x<100 HP	225.00		22.40		
			997	99658		>=100 HP	265.00		16.69		
						First 500		5.98		119.50	
						Next 500		6.93		2.95	
						>1000		7.23		3.07	
			99658	1112571	212.58				137.55	125.52	263.07
			134672	1581125	327.05				215.33	199.25	414.58
16	LT-6	Applicable to water supply and sewerage pumping installations of HESCOM	59469	406871		Per HP upto 67 HP	145.00		60.80		
						Every additional HP above 67 HP	255.00				
			59469	406871	381.27						
			28905	98141	153.12	Per KW	160.00		18.84		
			28905	98141	153.12				18.84	105.65	
			30	54	1.00	Per KW	160.00		0.01		
			30	54	1.00					0.59	
			28935	54	154.12				0	1	0.60
			88404	406925	535.39				79.65	306.40	386.05

Form D-21(a)



**CONTROLLER (A&R)**  
**HESCOM, HUBLI.**



**NAME OF THE ELECTRICITY SUPPLY COMPANY :- HESCOM**  
**Statement showing Projected Revenue at Revised Tariff Rates for FY-23**

Sl No	Tariff Category	Category Description	No of Consumers	Sanctioned load (KW/KVA/HP)	Consumption (in Mus)	Particulars	Rs/unit Fixed Charges	Rs/unit Energy Charges	Fixed Charges in crores	Energy Charges in crores	Billed Amount in crores
18	LT-7(a)	Applicable to Temporary Power Supply of all categories including Hoarding & Advertisement boards.	268854	467604		<67HP Per KW/Week	300.00		36.11		
					33.95			11.40		46.76	
	<b>Sub Total of LT-7(a)</b>				<b>33.95</b>				<b>36.11</b>	<b>46.76</b>	<b>82.87</b>
18	LT-7(b)	Applicable to Temporary Power Supply of all categories including Hoarding & Advertisement boards.	2716	2173		<67HP Per KW	175.00		0.46		
					0.34			11.40	0.00	0.39	
	<b>Sub Total of LT-7(b)</b>		<b>2716</b>	<b>2173</b>	<b>0.34</b>				<b>0.46</b>	<b>0.39</b>	<b>0.85</b>
	<b>Total of LT-7</b>		<b>271569</b>	<b>469776</b>	<b>34.29</b>				<b>36.57</b>	<b>47.15</b>	<b>83.72</b>
	<b>LT - TOTAL</b>		<b>5965958</b>		<b>9845.03</b>	<b>0</b>			<b>891.59</b>	<b>8106.56</b>	<b>8,998.16</b>
1	HT-1	Applicable to Water Supply, Drainage / Sewerage water treatment plant and Sewerage Pumping installations of HESCOM	502	163860		Per KVA	530.00		88.58		
					398.26			5.85		232.98	
	<b>Sub Total of HT-1</b>		<b>502</b>	<b>163860</b>	<b>398.26</b>				<b>88.58</b>	<b>232.98</b>	<b>321.57</b>
2	HT-2(a)	Applicable to Industries, Factories, Workshops, Universities, Educational Institutions belonging to Government, Local bodies, Aided Institutions, Hostels of all Educational Institutions etc. of HESCOM	2385	1348394		Per KVA	640.00		705.07		
					943.95	<=100,000		6.00		566.37	
					314.65	>100,000		6.05		190.36	
	<b>Sub Total of HT-2(a)</b>		<b>2385</b>	<b>1348394</b>	<b>1258.60</b>				<b>705.07</b>	<b>756.73</b>	<b>1,461.81</b>
4	HT-2(b)	Applicable to Commercial Complexes, Cinemas, Hotels, Boarding & Lodging, Amusement Parks, Telephone Exchanges, Private Hospitals & Nursing Homes, etc. of HESCOM	818	341032		Per KVA	760.00		208.37		
					85.62	<=200,000		6.00		51.37	
					21.40	>200,000		6.10		13.06	
	<b>Sub Total of HT-2(b)</b>		<b>818</b>	<b>341032</b>	<b>107.02</b>				<b>208.37</b>	<b>64.43</b>	<b>272.80</b>
4	HT-2(c)(i)	Applicable to Hospitals, Educational Institutions	272	41827		Per KVA	640.00		25.30		
					37.03	<=200,000		6.05		22.40	
					6.53	>200,000		6.00		3.92	
	<b>Sub Total of HT-2(c)(i)</b>		<b>272</b>	<b>41827</b>	<b>43.56</b>				<b>25.30</b>	<b>26.32</b>	<b>51.63</b>
4	HT-2(c)(ii)	Applicable to Hospitals, Educational Institutions other than HT-2(c)(i)	160	32163		Per KVA	640.00		19.00		
					26.09	<=200,000		6.00		15.65	
					2.90	>200,000		6.00		1.74	
	<b>Sub Total of HT-2(c)(ii)</b>		<b>160</b>	<b>32163</b>	<b>28.98</b>				<b>19.00</b>	<b>17.39</b>	<b>36.39</b>
	<b>Sub Total of HT-2(c)</b>		<b>432</b>	<b>73990</b>	<b>72.54</b>				<b>44.30</b>	<b>43.71</b>	<b>88.01</b>
	<b>Total of HT-2</b>		<b>3636</b>	<b>1763417</b>	<b>1438.17</b>				<b>957.74</b>	<b>864.87</b>	<b>1822.61</b>

Form D 21(a)

**CONTROLLER (A&R)**  
**HESCOM, HUBLI.**



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 CONTROLLER (A&R)  
 HESCOM, HUBLI.



Sl. No.	Tariff Category	Category Description	FY-21 (ACTUAL)					FY-22 Projected				
			Instal. (No.s)	Energy Sales (Mus)	Revenue (Cr.)	Pr Act (Cr.)	Avg Real. (Rs/Unit)	Instal. (No.s)	Energy Sales (Mus)	Revenue (Cr.)	Pr Act (Cr.)	Avg Real. (Rs/Unit)
1	LT-1	BI/KI: =<40 units	712285	198.98	136.42	136.42	685.59	712285	198.98	159.19	159.19	880.02
2	LT-2 (a)	BI/KI: >40 units	47124	70.49	25.74	25.74	365.15	47124	70.49	31.24	31.24	443.18
3	LT-2 (b)	Domestic / AEH	2948429	1638.55	1035.32	1035.32	631.85	3092355	1704.44	1141.77	1141.77	669.88
4	LT-3	Commercial	7351	14.83	13.24	13.24	892.86	7600	16.23	17.00	17.00	1047.63
5	LT-4 (a)	IP sets - Less than 10 HP - General	410957	462.51	468.12	468.12	1012.12	431505	489.52	517.62	517.62	1057.40
6	LT-4 (b)	Irrigation Pump sets - More than 10 HP	974820	5938.82	3955.44	3955.44	666.03	981244	6253.78	4340.12	4340.12	694.00
7	LT-4 (c)	Private horticulture nurseries, corner & rea	863	14.64	7.46	7.46	509.56	865	14.68	7.81	7.81	532.02
8	LT-5	Industries	465	0.85	0.51	0.51	601.08	505	0.92	0.55	0.55	596.96
9	LT-6 a	Water Supply	125803	311.10	260.33	260.33	836.79	130162	318.98	276.45	276.45	866.68
10	LT-6 b	Street Lights	52049	335.62	220.04	220.04	655.61	55636	357.72	205.46	205.46	574.36
11	LT-7	Temporary Power Supply	26315	152.20	129.06	129.06	847.94	27594	153.16	133.34	133.34	870.61
12		FAC(LT)	157550	31.73	80.07	80.07	2523.14	206834	32.99	97.09	97.09	2943.10
	LT Total		5463991	9170.34	6362.03	6362.03	693.76	5693709	9611.89	6927.64	6927.64	720.74
13	HT-1	Water Supply	418	331.99	197.69	197.69	595.47	458	363.62	230.90	230.90	635.01
14	HT-2 (a)	Industries	2026	945.43	705.85	705.85	746.60	2198	1090.83	977.34	977.34	895.96
15	HT-2 (b)	Commercial	712	101.71	110.80	110.80	1089.39	763	104.33	123.48	123.48	1183.52
16	HT-2 (c)	Hospitals	373	59.67	52.11	52.11	873.30	402	65.79	61.83	61.83	939.77
17	HT-3 (a)	Irrigation & LI Societies	323	321.57	165.54	165.54	514.79	348	347.02	147.97	147.97	426.40
18	HT-3 (b)	Irrigation & LI Societies	3	0.01	0.01	0.01	0.00	3	0.01	0.01	0.01	0.00
19	HT-4	Residential Apartments	32	16.72	12.13	12.13	725.68	32	17.17	13.62	13.62	793.40
20	HT-5	Temporary Power Supply	84	26.93	9.68	9.68	359.42	91	28.89	39.59	39.59	1370.23
21		FAC(HT)			6.69	6.69						
	HT Total		3971	1804.02	1260.50	1260.50	698.72	4295	2017.67	1594.74	1594.74	790.39
	Total		5467962	10974.36	7622.53	7622.53	694.58	5698004	11629.56	8522.38	8522.38	732.82
Other Operating revenues												
20		Reconnection fee (D&R) (61.901, 61.902)			0.19	0.19				0.20		
21		Service Connection (Supervision Charges) (61.904)			16.33	16.33				16.98		
22		Delayed payment charges from consumers (61.905)			101.20	101.20				105.25		
23		Other Receipts from consumers (61.906, 61.600)			4.92	4.92				5.12		
24		Registration fee towards SRTPV (61.907)			0.07	0.07				0.07		
25		Facilitation fee towards SRTPV (61.908)			0.22	0.22				0.23		
26		Supervision Charges for Self Execution works (61.909)			3.33	3.33				3.46		
27		Maintenance charges for the paymets created by the developers (61.911)			0.71	0.71				0.74		
		Gross Revenue from Sale of Power (20 to 27)	0	0.00	126.97	126.97		0	0.00	132.05		
LESS: Rebate and Incentives												
28		Solar Rebate allowed to consumers (78.822)			3.36	3.36				3.49		
29		Incentives for prompt payment (78.823)			0.66	0.66				0.69		
30		Time of day (TOD) Tariff Incentive (78.826)			0.02	0.02				0.02		
		Total (28 to 30)			4.04	4.04				4.20		
31		Provision for withdrawal of Revenue Demand (83.830 to 83.832)			3.02	3.02				3.14		
		Total			7.06	7.06				7.34		
		GRAND TOTAL	5467962	10974.36	7742.44	7742.44		5698004	11629.56	8647.09	8647.09	

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CONTROLLER (A&R)  
HESCOM, HUBLI.





## Revenue From sale of power

			FY-23				FY-23				FY-23			
Sl. No.	Tariff Category	Category Description	At Existing Tariff				At Proposed Tariff				At Existing Tariff			
			Instal.	Energy	Revenue	Avg.	Instal.	Energy	Revenue	Avg.	Instal.	Energy	Revenue	Avg.
			(No.s)	(MUS)	(Cr.)	[P/Unit]	(No.s)	(MUS)	(Cr.)	[P/Unit]	(No.s)	(MUS)	(Cr.)	[P/Unit]
1	LT-1	B/K: <40 units	712285	198.98	159.19	800.00	712285	198.98	205.15	1031.00	712285	198.98	205.15	1031.00
2	LT-2 (a)	B/K: >40 units	47124	70.49	31.23	443.10	47124	70.49	33.21	471.10	47124	70.49	33.21	471.10
3	LT-2 (b)	Domestic / AEH	3243309	1772.99	1184.55	668.11	3243309	1772.99	1380.78	778.79	3243309	1772.99	1380.78	778.79
4	LT-3	Commercial	7857	17.76	18.93	1065.88	7857	17.76	20.53	1156.38	7857	17.76	20.53	1156.38
5	LT-4 (a)	IP sets - Less than 10 HP - General	453078	518.11	547.08	1055.91	453078	518.11	592.30	1143.18	453078	518.11	592.30	1143.18
6	LT-4 (b)	Irrigation Pump sets - More than 10 HP	1006244	6354.25	4409.85	694.00	1006244	6354.25	5871.33	924.00	1006244	6354.25	5871.33	924.00
7	LT-4 (c)	Private horticulture nurseries, Concre & tea plantations	868	14.72	8.08	549.09	868	14.72	9.63	654.44	868	14.72	9.63	654.44
8	LT-5	Industries	548	1.00	0.71	714.35	548	1.00	0.87	865.86	548	1.00	0.87	865.86
9	LT-6 a	Water Supply	134672	327.05	303.85	929.09	134672	327.05	414.58	1267.66	134672	327.05	414.58	1267.66
10	LT-6 b	Street Lights	59469	381.27	225.11	688.32	59469	381.27	260.96	797.94	59469	381.27	260.96	797.94
11	LT-7	Temporary Power Supply	28935	154.12	114.57	300.50	28935	154.12	125.09	328.08	28935	154.12	125.09	328.08
12	LT Total	FAC(LT)	271569	34.29	74.23	481.63	271569	34.29	83.72	543.22	271569	34.29	83.72	543.22
13	HT-1	Water Supply	5965958	9845.03	7077.39	718.88	5965958	9845.03	8998.16	913.98	5965958	9845.03	8998.16	913.98
14	HT-2 (a)	Industries	502	398.26	259.48	651.52	502	398.26	321.57	807.42	502	398.26	321.57	807.42
15	HT-2 (b)	Commercial	2385	1258.60	1106.73	879.33	2385	1258.60	1461.81	1161.45	2385	1258.60	1461.81	1161.45
16	HT-2 (c)	Hospitals	818	107.02	130.98	1223.81	818	107.02	272.80	2548.92	818	107.02	272.80	2548.92
17	HT-3(a)	Irrigation & LT Societies	432	72.54	69.26	954.70	432	72.54	88.01	1213.24	432	72.54	88.01	1213.24
18	HT-3 (b)	Irrigation & LT Societies	377	374.49	139.85	373.44	377	374.49	247.06	659.73	377	374.49	247.06	659.73
19	HT-4	Residential Apartments	3	0.01	0.01	0.00	3	0.01	0.02	0.00	3	0.01	0.02	0.00
20	HT-5	Temporary Power Supply	32	17.63	14.04	796.18	32	17.63	16.37	928.27	32	17.63	16.37	928.27
21	HT Total	FAC(HT)	100	31.00	42.74	1378.95	100	31.00	66.01	2129.55	100	31.00	66.01	2129.55
Total			4649	2259.57	1763.09	780.28	4649	2259.57	2473.64	1094.74	4649	2259.57	2473.64	1094.74
Other Operating revenues			5970607	12104.60	8840.48	730.34	5970607	12104.60	11471.80	947.72	5970607	12104.60	11471.80	947.72
20	Reconnection fee (D&R) [61.901, 61.902]				0.21				0.21				0.21	
21	Service Connection (Supervision Charges) [61.904]				17.66				17.66				17.66	
22	Delayed payment charges from consumers [61.905]				109.46				109.52				109.52	
23	Other Receipts from consumers [61.906, 61.600]				5.32				5.32				5.32	
24	Registration fee towards SRTPV [61.907]				0.08				0.08				0.08	
25	Facilitation fee towards SRTPV [61.908]				0.24				0.24				0.24	
26	Supervision Charges for Self Execution works [61.909]				3.60				3.60				3.60	
27	Performance charges for the various categories of employees				0.77				0.77				0.77	
Gross Revenue from Sale of Power (20 to 27)			0	0.00	137.32		0	0.00	137.39		0	0.00	137.39	
LESS: Rebate and Incentives														
28	Solar Rebate allowed to consumers [78.822]				3.63				3.63				3.63	
29	Incentives for prompt payment [78.823]				0.71				0.71				0.71	
30	Time of day (TOD) Tariff Incentive [78.826]				0.02				0.02				0.02	
Total (28 to 30)					4.36				4.36				4.36	
31	Provision for withdrawal of Revenue Demand [83.830 to 83.832]				3.27				3.27				3.27	
Total			5970607	12104.60	8970.17	7.63	5970607	12104.60	11601.56	7.63	5970607	12104.60	11601.56	7.63
GRAND TOTAL			5970607	12104.60	8970.17	7.63	5970607	12104.60	11601.56	7.63	5970607	12104.60	11601.56	7.63

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CONTROLLER (A&R)  
HESCOM, HUBLI.





## Revenue From sale of power

		FY-24						FY-25					
Sl. No.	Tariff Category	Category Description	Instal. (No.s)	Energy Sales (Mus)	Revenue (Cr)	Avg. Real. [Rs/Unit]	Instal. (No.s)	Energy Sales (Mus)	Revenue (Cr)	Avg. Real. [Rs/Unit]			
1	LT-1	B/K: =<40 units	712285	198.98	205.15	1031.00	712285	198.98	205.15	1031.00			
2	LT-2 (a)	B/K: >40 units	47124	70.49	33.21	471.10	47124	70.49	33.21	471.10			
3	LT-2 (b)	Domestic / AEH	3401631	1044.29	1440.15	780.87	3567681	1918.46	1508.48	786.30			
4	LT-3	Commercial	8123	19.43	22.11	1137.56	8396	21.26	23.81	1119.78			
5	LT-4 (a)	IP sets - Less than 10 HP - General	475730	548.37	627.11	1143.60	499514	580.39	663.91	1143.89			
6	LT-4 (b)	Irrigation Pump sets - More than 10 HP	1031244	6514.10	6019.03	924.00	1056244	6673.96	6166.74	924.00			
7	LT-4 (c)	Private horticulture nurseries, Conjeev & tea plantations	870	14.76	9.66	654.62	872	14.80	9.69	654.80			
8	LT-5	Industries	595	1.09	0.94	865.86	647	1.18	1.02	865.86			
9	LT-6 a	Water Supply	139339	335.32	434.93	1297.06	144167	343.80	477.84	1389.85			
10	LT-6 b	Street Lights	63567	406.37	289.02	861.92	67947	433.13	308.28	896.68			
11	LT-7	Temporary Power Supply	30341	155.08	126.67	511.71	31816	156.05	128.30	296.22			
12	LT Total	FAC(LT)	6267415	10143.93	9312.66	918.05	6604858	10449.57	9656.99	924.15			
13	HT-1	Water Supply	549	436.21	352.22	807.45	602	477.77	385.79	807.48			
14	HT-2 (a)	Industries	2588	1452.17	1658.21	1141.88	2808	1675.52	1858.71	1109.33			
15	HT-2 (b)	Commercial	877	109.79	292.49	2664.16	940	112.62	316.59	2811.17			
16	HT-2 (c)	Hospitals	465	79.99	98.19	1227.61	501	88.19	109.11	1237.22			
17	HT-3 (a)	Irrigation & LI Societies	406	404.14	271.52	671.84	438	436.14	297.77	682.74			
18	HT-3 (b)	Irrigation & LI Societies	4	0.01	0.02	0.00	4	0.02	0.02	0.00			
19	HT-4	Residential Apartments	33	18.11	16.85	930.64	33	18.60	17.25	927.70			
20	HT-5	Temporary Power Supply	108	33.25	71.53	2151.06	118	35.67	81.59	2287.00			
21	HT Total	FAC(HT)	5030	2533.67	2761.02	1089.73	5444	2844.52	3066.83	1078.15			
	Total		6272445	12677.61	12073.68	952.36	6610302	13294.09	12723.82	957.10			
Other Operating revenues													
20	Reconnection fee (D&R) (61.901, 61.902)				0.21				0.22				
21	Service Connection (Supervision Charges) (61.904)				18.37				19.10				
22	Delayed payment charges from consumers (61.905)				113.90				118.46				
23	Other Receipts from consumers (61.906, 61.600)				5.53				5.76				
24	Registration fee towards SRTPV (61.907)				0.08				0.08				
25	Facilitation fee towards SRTPV (61.908)				0.25				0.26				
26	Supervision Charges for Self Execution works (61.909)				3.75				3.90				
27	Maintenance charges for the payments created by the consumers (61.910)				0.00				0.83				
	Gross Revenue from Sale of Power (20 to 27)		0	0.00	142.89		0	0.00	148.61				
LESS: Rebate and Incentives													
28	Solar Rebate allowed to consumers (78.822)				3.78				3.93				
29	Incentives for prompt payment (78.823)				0.74				0.77				
30	Time of day (TOD) Tariff Incentive (78.826)				0.02				0.02				
	Total (28 to 30)				4.54				4.72				
31	Provision for withdrawal of Revenue Demand (83.830 to 83.832)				3.40				3.53				
	Total				7.94				8.25				
	GRAND TOTAL		6272445	12677.61	12208.63		6610302	13294.09	12864.17				

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CONTROLLER (A&R)  
HESCOM, HUBLI.





# HUBLI ELECTRICITY SUPPLY COMPANY LTD.

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## ANNUAL REVENUE REQUIREMENT

1675.86

Ref.	Particulars	FY-21		FY-22		FY-23		FY-24	FY-25
Form		(As apprd in Tariff Order 2020)	Proposed for trueing up	(As apprd in Tariff Order 2021)	Revised Projection	At Existing tariff Projection	At proposed tariff Projection	At proposed tariff Projection	At proposed tariff Projection
D-1	Energy at Generation Point (Mus) (Including HRECS and AEQUS)	15166.47	13352.14	14532.65	14151.57	14718.62	14718.62	15402.06	16137.35
D-1	Energy at Generation Point (Mus) (HESCOM)	14809.08	13025.84	14184.30	13801.40	14348.63	14348.63	15010.61	15722.48
	Transmission Loss (units)	450.05	395.86	422.41	411.01	427.30	427.30	447.02	468.22
	Transmission Loss (%)	3.039%	3.039%	2.978%	2.978%	2.978%	2.978%	2.978%	2.978%
D-1	Energy at Interface Point (Mus)	14359.03	12650.23	13761.90	13390.40	13921.33	13921.33	14563.59	15254.27
D-2	Energy Sales (Mus)	12348.77	10974.36	11904.04	11629.56	12104.60	12104.60	12677.61	13294.09
	Distribution Loss (%)	14.00%	13.25%	13.50%	13.15%	13.05%	13.05%	12.95%	12.85%
<b>INCOME:</b>									
D-2	Revenue from sale of power in Cr.	4390.14	3718.68	4736.13	4147.78	4401.14	5525.09	5984.45	6492.28
D-3	Revenue subsidies & grants in Cr.	4498.77	4111.33	4426.34	4499.31	4569.04	6076.48	6224.18	6371.89
	<b>TOTAL INCOME in Cr</b>	<b>8,888.91</b>	<b>7,830.01</b>	<b>9,162.47</b>	<b>8,647.09</b>	<b>8,970.18</b>	<b>11,601.56</b>	<b>12,208.63</b>	<b>12,864.17</b>
<b>EXPENDITURE:</b>									
D-1	Purchase of Power	6251.58	5783.67	6705.64	6705.64	6468.24	6468.24	6494.58	6732.24
	Tr. Charges (PGCIL & POSOCO)	219.95	486.60	541.89	541.89	574.48	574.48	588.82	603.16
	Tr. Charges (KPTCL & SLDC) Charges	811.93	753.23	797.31	797.31	803.86	803.86	857.89	915.56
	<b>Total Power Purchase Cost</b>	<b>7,283.46</b>	<b>7,023.50</b>	<b>8,044.84</b>	<b>8,044.84</b>	<b>7,846.58</b>	<b>7,846.58</b>	<b>7,941.29</b>	<b>8,250.96</b>
D-5	Repairs & maintenance		90.71		99.98	110.05	110.05	121.77	135.20
D-6	Employee Costs	1180.93	937.05	1379.23	1032.79	1136.86	1136.86	1257.84	1396.62
D-7	Administrative & General expenses		152.34		167.91	184.83	184.83	204.49	227.05
	<b>Total O&amp;M expenses</b>	<b>1,180.93</b>	<b>1,180.10</b>	<b>1,379.23</b>	<b>1,300.68</b>	<b>1,431.74</b>	<b>1,431.74</b>	<b>1,584.09</b>	<b>1,758.87</b>
D-8	Depreciation & related debits	260.05	254.09	285.66	327.24	330.34	330.34	338.49	345.82
D-9	Interest & Finance charges								
	Interest on capital loan	313.59	287.57	342.65	280.94	336.10	336.10	332.60	445.77
	Interest on working capital	181.65	206.90	189.83	325.57	245.83	245.83	198.82	210.91
	Interest on consumer deposit	47.12	41.41	40.84	43.36	42.49	42.49	44.61	46.74
	Other interest and finance charges	-	12.82	-	-	-	-	-	-
	Interest on belated payments of IPPs	-	624.40	-	-	-	-	-	-
D-10	LESS: Int. & Fin. charges capitalized	-	43.10	-	-	-	-	-	-
	<b>Total Interest and Finance Charges</b>	<b>542.36</b>	<b>1,130.00</b>	<b>573.32</b>	<b>646.87</b>	<b>624.42</b>	<b>624.42</b>	<b>576.03</b>	<b>703.42</b>
D-11	Other debits (incl. Bad debts)	-	20.02	-	22.02	24.22	24.22	26.65	29.31
D-12	Extraordinary Items	-	0.00	-	-	-	-	-	-
D-13	Net prior period (credits) / charges	-	(142.06)	-	-	-	-	-	-
D-7	Funds towards consumer Relations/Consumer Education	0.50	0.14	0.50	0.50	0.50	0.50	0.50	0.50
	Provision for Taxes	-	-	-	-	-	-	-	-
A-4	Return on Equity	-	-	-	-	-	-	-	-
	Pension and Gratuity Trust arrears	-	-	-	-	-	-	-	-
	LESS: Excess RoE	-	-	-	-	-	-	-	-
D-4	LESS: Other Income	285.66	283.64	290.07	307.04	329.12	329.12	353.26	379.73
	<b>ARR</b>	<b>8,981.64</b>	<b>9,182.15</b>	<b>9,993.48</b>	<b>10,035.10</b>	<b>9,928.68</b>	<b>9,928.68</b>	<b>10,113.78</b>	<b>10,709.15</b>
	<b>REVENUE SURPLUS / (DEFICIT):</b>	<b>(92.73)</b>	<b>(1,352.14)</b>	<b>(831.01)</b>	<b>(1,388.02)</b>	<b>(958.50)</b>	<b>1,672.88</b>	<b>2,094.85</b>	<b>2,155.02</b>
	Add Regulatory Asset	-	-	144.07	-	144.07	144.07	-	-
	Previous years deficit carried forward to next year	(401.22)	-	617.95	-	(1,352.14)	(1,352.14)	-	-
	Carrying cost @ 12% on deficit of FY-21	-	-	-	-	162.26	162.26	-	-
	Carrying cost on Regulatory Asset @ 10%	-	-	-	-	14.41	14.41	-	-
	<b>Net ARR</b>	<b>9,382.86</b>	<b>9,182.15</b>	<b>9,519.60</b>	<b>10,035.10</b>	<b>11,601.56</b>	<b>11,601.56</b>	<b>10,113.78</b>	<b>10,709.15</b>

**Note:** 1) Rs. 19.00 Lakhs booked under 76.193 against Consumer Education activities has been reduced in A & G Expenses and shown against Consumer Relations/ Consumer Education.

2) FY-22: Energy at Generation point includes Energy of 350.17 Mus supplied to HRECS & AEQUS and Energy at IF Point does not include the same.

3) FY-23: Energy at Generation point includes Energy of 369.99 Mus supplied to HRECS & AEQUS and Energy at IF Point does not include the same.

4) FY-24: Energy at Generation point includes Energy of 391.45 Mus supplied to HRECS & AEQUS and Energy at IF Point does not include the same.

5) FY-25: Energy at Generation point includes Energy of 414.87 Mus supplied to HRECS & AEQUS and Energy at IF Point does not include the same.



*[Signature]*  
**CONTROLLER (A&R)**  
**HESCOM, HUBLI.**



## Revenue From sale of power

Format D2

Sl. No.	Tariff Category	Category Description	FY-21 (ACTUAL)				FY-22 Projected			
			Instal.	Energy	Revenue	Avg.	Instal.	Energy	Revenue	Avg.
			(No.s)	Sales	(Cr.)	Real.	(No.s)	Sales	(Cr.)	Real.
				(Mus)	Pr Act	[Ps/Unit]		(Mus)	Pr Act	[Ps/Unit]
1	LT-1	Bj/Kj: <=40 units	712285	198.98	136.42	685.59	712285	198.98	159.19	800.02
		Bj/Kj: >40 units	47124	70.49	25.74	365.15	47124	70.49	31.24	443.18
2	LT-2 (a)	Domestic / AEH	2948429	1638.55	1035.32	631.85	3092355	1704.44	1141.77	669.88
3	LT-2 (b)		7351	14.83	13.24	892.86	7600	16.23	17.00	1047.63
4	LT-3	Commercial	410957	462.51	468.12	1012.12	431505	489.52	517.62	1057.40
5	LT-4 (a)	P sets - Less than 10 HP - General	974820	5938.82	3955.44	666.03	961244	6253.78	4340.12	694.00
6	LT-4 (b)	Irrigation Pump sets - More than 10 HP	863	14.64	7.46	509.56	865	14.60	7.81	532.02
7	LT-4 (c)	Private Horticulture Nurseries, Coffee & Tea Plantations	465	0.85	0.51	601.08	505	0.92	0.55	596.96
8	LT-5	Industries	125803	311.10	260.33	836.79	130162	318.98	276.45	866.68
9	LT-6 a	Water Supply	52049	335.62	220.04	655.61	55636	357.72	205.46	574.36
10	LT-6 b	Street Lights	26315	152.20	129.06	847.94	27594	153.16	133.34	870.61
11	LT-7	Temporary Power Supply	157530	31.73	80.07	2523.14	206834	32.99	97.09	2943.10
12		FAC(LT)			30.28					
	LT Total		5463991	9170.34	6362.03	693.76	5693709	9611.89	6927.64	720.74
13	HT-1	Water Supply	418	331.99	197.69	595.47	458	363.62	230.90	635.01
14	HT-2 (a)	Industries	2026	945.43	705.85	746.60	2198	1090.83	977.34	895.96
15	HT-2 (b)	Commercial	712	101.71	110.80	1089.39	763	104.33	123.48	1183.52
16	HT-2 (c)	Hospitals	373	59.67	52.11	873.30	402	65.79	61.83	939.77
17	HT-3(a)	Irrigation & LI Societies	323	321.57	165.54	514.79	348	347.02	147.97	426.40
18	HT-3 (b)	Irrigation & LI Societies	3	0.01	0.01	0.00	3	0.01	0.01	0.00
19	HT-4	Residential Apartments	32	16.72	12.13	725.68	32	17.17	13.62	793.40
20	HT-5	Temporary Power Supply	84	26.93	9.68	359.42	91	28.89	39.59	1370.23
21		FAC(HT)			6.69					
	HT Total		3971	1804.02	1260.50	698.72	4295	2017.67	1594.74	790.39
	Total		5467962	10974.36	7622.53	694.58	5698004	11629.56	8522.38	732.82
Other Operating revenues										
20	Reconnection fee (D&R) (61.901, 61.902)				0.19				0.20	
21	Service Connection (Supervision Charges) (61.904)				16.33				16.98	
22	Delayed payment charges from consumers (61.905)				101.20				105.25	
23	Other Receipts from consumers (61.906, 61.600)				4.92				5.12	
24	Registration fee towards SRTPV (61.907)				0.07				0.07	
25	Facilitation fee towards SRTPV (61.908)				0.22				0.23	
26	Supervision Charges for Self Execution works (61.909)				3.33				3.46	
27	Maintenance charges for the layouts created by the Developers (61.910)				0.71				0.74	
	Gross Revenue from Sale of Power (20 to 27)		0	0.00	126.97		0	0.00	132.05	
	LESS: Rebate and Incentives									
28	Solar Rebate allowed to consumers (78.822)				3.36				3.49	
29	Incentives for prompt payment (78.823)				0.66				0.69	
30	Time of day (TOD) Tariff Incentive (78.826)				0.02				0.02	
	Total (28 to 30)				4.04				4.20	
31	Provision for withdrawal of Revenue Demand (83.830 to 83.832)				3.02				3.14	
	Total				7.06				7.34	
	GRAND TOTAL		5467962	10974.36	7742.44		5698004	11629.56	8647.09	

Controller (A&R)  
 HESCOM, HUBLI.





## Revenue From sale of power

Sl No.	Tariff Category	Category Description	FY-23				FY-24				FY-25				FY-26			
			At Existing Tariff				At proposed Tariff				At proposed Tariff				At proposed Tariff			
			Instal.	Energy	Revenue	Avg.	Instal.	Energy	Revenue	Avg.	Instal.	Energy	Revenue	Avg.	Instal.	Energy	Revenue	Avg.
			(No.s)	Sales	(Cr.)	Real.	(No.s)	Sales	(Cr.)	Real.	(No.s)	Sales	(Cr.)	Real.	(No.s)	Sales	(Cr.)	Real.
				(Mus)	Pr Act	[Ps/Unit]		(Mus)	Pr Act	[Ps/Unit]		(Mus)	Pr Act	[Ps/Unit]		(Mus)	Pr Act	[Ps/Unit]
1	LT-1	B]/K]: <40 units	712285	198.98	159.19	800.00	712285	198.98	205.15	1031.00	712285	198.98	205.15	1031.00	712285	198.98	205.15	1031.00
		B]/K]: >40 units	47124	70.49	33.23	443.10	47124	70.49	33.21	471.10	47124	70.49	33.21	471.10	47124	70.49	33.21	471.10
2	LT-2 (a)	Domestic / AEH	3243309	1772.99	1184.55	668.11	3243309	1772.99	1380.78	778.79	3401631	1844.29	1440.15	780.87	3567681	1918.46	1508.48	786.30
3	LT-2 (b)		7857	17.76	18.93	1065.88	7857	17.76	20.53	1156.38	8123	19.43	22.11	1137.56	8396	21.26	23.81	1119.78
4	LT-3	Commercial	453078	518.11	547.08	1055.91	453078	518.11	592.30	1143.18	475730	548.37	627.11	1143.60	499514	580.39	663.91	1143.89
5	LT-4 (a)	IP sets - Less than 10 HP - General	1006244	6354.25	4409.85	694.00	1006244	6354.25	5871.33	924.00	1031244	6514.10	6019.03	924.00	1056244	6673.96	6166.74	924.00
6	LT-4 (b)	Irrigation Pump sets - More than 10 HP	868	14.72	8.08	549.09	868	14.72	9.63	654.44	870	14.76	9.66	654.62	872	14.80	9.69	654.80
7	LT-4 (c)	Private Horticulture Nurseries, Coffee & Tea Plantations	548	1.00	0.71	714.35	548	1.00	0.87	865.86	595	1.09	0.94	865.86	647	1.18	1.02	865.86
8	LT-5	Industries	134672	327.05	303.85	929.09	134672	327.05	414.58	1267.66	139339	335.32	434.93	1297.06	144167	343.80	477.84	1389.85
9	LT-6 a	Water Supply	59469	381.27	225.11	688.32	59469	381.27	260.96	797.94	63567	406.37	289.02	861.92	67947	433.13	308.28	896.68
10	LT-6 b	Street Lights	28935	154.12	114.57	300.50	28935	154.12	125.09	328.08	30341	155.08	126.67	311.71	31816	156.05	128.30	296.22
11	LT-7	Temporary Power Supply	271569	34.29	74.23	481.63	271569	34.29	83.72	543.22	336566	35.65	104.68	675.00	468164	37.06	130.55	836.59
12		FAC(LT)																
	LT Total		5965958	9845.03	7077.39	718.88	5965958	9845.03	8998.16	913.98	6267415	10143.93	9312.66	918.05	6604858	10449.57	9656.99	924.15
13	HT-1	Water Supply	502	398.26	259.48	651.52	502	398.26	321.57	807.42	549	436.21	352.22	807.45	602	477.77	385.79	807.48
14	HT-2 (a)	Industries	2385	1258.60	1106.73	879.33	2385	1258.60	1461.81	1161.45	2588	1452.17	1658.21	1141.88	2808	1675.52	1858.71	1109.33
15	HT-2 (b)	Commercial	818	107.02	130.98	1223.81	818	107.02	272.80	2548.92	877	109.79	292.49	2664.16	940	112.62	316.59	2811.17
16	HT-2 (c)	Hospitals	432	72.54	69.26	954.70	432	72.54	88.01	1213.24	465	79.99	98.19	1227.61	501	88.19	109.11	1237.22
17	HT-3(a)	Irrigation & LI Societies	377	374.49	139.85	373.44	377	374.49	247.06	659.73	406	404.14	271.52	671.84	438	436.14	297.77	682.74
18	HT-3 (b)	Irrigation & LI Societies	3	0.01	0.01	0.00	3	0.01	0.02	0.00	4	0.01	0.02	0.00	4	0.02	0.02	0.00
19	HT-4	Residential Apartments	32	17.63	14.04	796.18	32	17.63	16.37	928.27	33	18.11	16.85	930.64	33	18.60	17.25	927.70
20	HT-5	Temporary Power Supply	100	31.00	42.74	1378.95	100	31.00	66.01	2129.55	108	33.25	71.53	2151.06	118	35.67	81.59	2287.00
21		FAC(HT)																
	HT Total		4649	2259.57	1763.09	780.28	4649	2259.57	2473.64	1094.74	5030	2533.67	2761.02	1089.73	5444	2844.52	3066.83	1078.15
	Total		5970607	12104.60	8840.48	730.34	5970607	12104.60	11471.80	947.72	6272445	12677.61	12073.68	952.36	6610302	13294.09	12723.82	957.10
Other Operating revenues																		
20		Reconnection fee (D&R) (61.901, 61.902)			0.21				0.21				0.21				0.22	
21		Service Connection (Supervision Charges) (61.904)			17.66				17.66				18.37				19.10	
22		Delayed payment charges from consumers (61.905)			109.46				109.52				113.90				118.46	
23		Other Receipts from consumers (61.906, 61.600)			5.32				5.32				5.53				5.76	
24		Registration fee towards SRTPV (61.907)			0.08				0.08				0.08				0.08	
25		Facilitation fee towards SRTPV (61.908)			0.24				0.24				0.25				0.26	
26		Supervision Charges for Self Execution works (61.909)			3.60				3.60				3.75				3.90	
27		Maintenance charges for the layouts created by the Developers (61.910)			0.77				0.77				0.80				0.83	
		Gross Revenue from Sale of Power (20 to 27)	0	0.00	137.32		0	0.00	137.39		0	0.00	142.89		0	0.00	148.61	
LESS: Rebate and Incentives																		
28		Solar Rebate allowed to consumers (78.822)			3.63				3.63				3.78				3.93	
29		Incentives for prompt payment (78.823)			0.71				0.71				0.74				0.77	
30		Time of day (TOD) Tariff Incentive (78.826)			0.02				0.02				0.02				0.02	
		Total (28 to 30)			4.36				4.36				4.54				4.72	
31		Provision for withdrawal of Revenue Demand (83.830 to 83.832)			3.27				3.27				3.40				3.53	
		Total			7.63				7.63				7.94				8.25	
		GRAND TOTAL	5970607	12104.60	8970.17		5970607	12104.60	11601.56		6272445	12677.61	12208.63		6610302	13294.09	12864.17	



CONTROLLER (A&R)  
 HESCOM, TUNELI



23

## HUBLI ELECTRICITY SUPPLY COMPANY LIMITED

Statement showing the details of Power Purchase Cost of Tariff Rate Difference due to revision of Tariff as per KERC Order Dated: 29-10-2021 for FY-19, FY-20 and FY-21.

Sl NO	Generatro Name	2018-19			2019-20			2020-21			Grand Total	
		Energy [MU]	Rate [In Rs.]	Amount [In Crs.]	Energy [MU]	Rate [In Rs.]	Amount [In Crs.]	Energy [MU]	Rate [In Rs.]	Amount [In Crs.]	Energy [MU]	Amount [In Crs.]
1	M/s. Parray Sugars Industries Ltd	12.09	1.79	2.16	13.14	1.87	2.46	16.10	1.95	3.14	41.33	7.76
2	M/s. Nirani Sugars. TG- I	16.69	1.79	2.99	9.21	1.87	1.72	18.15	1.95	3.54	44.05	8.25
3	M/s. Venkateshwar Power Project	27.11	1.79	4.85	25.75	1.87	4.82	28.28	1.95	5.51	81.14	15.18
4	Balaji & Chemical Pvt Ltd	45.60	1.79	8.16	38.98	1.87	7.29	46.99	1.95	9.16	131.56	24.61
5	Shree basaveshwar sugar Ltd	36.56	1.79	6.54	42.44	1.87	7.94	39.66	1.95	7.73	118.66	22.21
6	Sai Priya Sugars	70.82	1.79	12.68	52.21	1.87	9.76	52.88	1.95	10.31	175.90	32.75
7	M/s. Vishwanath Sugars Ltd	0.20	1.79	0.04	1.70	1.87	0.32	-	1.95	-	1.90	0.35
8	M/s Bilagi Sugars Ltd	58.38	1.79	10.45	42.54	1.87	7.95	78.29	1.95	15.27	179.21	33.67
9	M/s. Gokak Sugars Ltd.,	13.02	1.79	2.33	9.69	1.87	1.81	12.03	1.95	2.35	34.73	6.49
10	M/s Rytar Sahakari Sakkare Karkhane Niyamit.	7.61	1.79	1.36	1.28	1.87	0.24	-	1.95	-	8.90	1.60
11	Krishna Sahakare Sakkare Niyamith Ltd	41.68	1.79	7.46	16.18	1.87	3.02	29.46	1.95	5.74	87.31	16.23
12	Belgaum Sugar PVT LTD	36.39	1.79	6.51	35.95	1.87	6.72	44.60	1.95	8.70	116.94	21.93
13	Halasidhanath Sahakari Sahakari sakhar Karkhana Ltd	21.78	1.79	3.90	17.26	1.87	3.23	24.06	1.95	4.69	63.10	11.82
14	M/s Harsh	16.02	1.79	2.87	37.25	1.87	6.97	47.37	1.95	9.24	100.65	19.07
15	Bhimashankar sugar Ltd	16.99	1.79	3.04	18.51	1.87	3.46	22.68	1.95	4.42	58.18	10.92
16	Sovereign Industries	9.33	1.79	1.67	-	1.87	-	-	1.95	-	9.33	1.67
17	Athani Sugar 28 MW	-	1.79	-	25.45	1.87	4.76	60.25	1.95	11.75	85.70	16.51
Total		430.25	30.43	77.01	387.53	31.79	72.47	520.79	33.15	101.56	1,338.57	251.04



CONTROLLER (A&R)  
 HESCOM, HUBLI.

## HUBLI ELECTRICITY SUPPLY COMPANY LIMITED

Statement showing the details of Power Purchase Cost of Tariff Rate Difference due to revision of Tariff as per KERC Order Dated: 29-10-2021 for FY-19, FY-20 and FY-21.

[Amt. in Rs.]

SI NO	Generatro Name	2018-19			2019-20			2020-21			Grand Total	
		Energy	Rate	Amount	Energy	Rate	Amount	Energy	Rate	Amount	Energy	Amount
1	M/s. Parray Sugars Industries Ltd	1,20,88,093.00	1.79	2,16,37,686.47	1,31,36,809.00	1.87	2,45,65,832.83	1,61,03,682.00	1.95	3,14,02,179.90	4,13,28,584.00	7,76,05,699.20
2	M/s. Nirani Sugars. TG- I	1,66,86,550.00	1.79	2,98,68,924.50	92,14,450.00	1.87	1,72,31,021.50	1,81,51,800.00	1.95	3,53,96,010.00	4,40,52,800.00	8,24,95,956.00
3	M/s. Venkateshwar Power Project	2,71,09,910.00	1.79	4,85,26,738.90	2,57,51,699.00	1.87	4,81,55,677.13	2,82,78,111.00	1.95	5,51,42,316.45	8,11,39,720.00	15,18,24,732.48
4	Balaji & Chemical Pvt Ltd	4,55,96,000.00	1.79	8,16,16,840.00	3,89,75,000.00	1.87	7,28,83,250.00	4,69,85,000.00	1.95	9,16,20,750.00	13,15,56,000.00	24,61,20,840.00
5	Shree basaveshwar sugar Ltd	3,65,63,100.00	1.79	6,54,47,949.00	4,24,35,000.00	1.87	7,93,53,450.00	3,96,57,000.00	1.95	7,73,31,150.00	11,86,55,100.00	22,21,32,549.00
6	Sai Priya Sugars	7,08,15,000.00	1.79	12,67,58,850.00	5,22,06,000.00	1.87	9,76,25,220.00	5,28,78,080.00	1.95	10,31,12,256.00	17,58,99,080.00	32,74,96,326.00
7	M/s. Vishwanath Sugars Ltd	1,95,950.00	1.79	3,50,750.50	16,99,075.00	1.87	31,77,270.25	-	1.95	-	18,95,025.00	35,28,020.75
8	M/s Bilagi Sugars Ltd	5,83,83,500.00	1.79	10,45,06,465.00	4,25,36,250.00	1.87	7,95,42,787.50	7,82,90,250.00	1.95	15,26,65,987.50	17,92,10,000.00	33,67,15,240.00
9	M/s. Gokak Sugars Ltd.,	1,30,15,774.00	1.79	2,32,98,235.46	96,86,901.00	1.87	1,81,14,504.87	1,20,27,577.00	1.95	2,34,53,775.15	3,47,30,252.00	6,48,66,515.48
10	M/s Rytar Sahakari Sakkare Karkhane Niyamit,	76,12,410.00	1.79	1,36,26,213.90	12,84,720.00	1.87	24,02,426.40	-	1.95	-	88,97,130.00	1,60,28,640.30
11	Krishna Sahakare Sakkare Niyamith Ltd	4,16,76,061.00	1.79	7,46,00,149.19	1,61,75,374.00	1.87	3,02,47,949.38	2,94,61,061.00	1.95	5,74,49,068.95	8,73,12,496.00	16,22,97,167.52
12	Belgaum Sugar PVT LTD	3,63,93,000.00	1.79	6,51,43,470.00	3,59,45,000.00	1.87	6,72,17,150.00	4,46,01,000.00	1.95	8,69,71,950.00	11,69,39,000.00	21,93,32,570.00
13	Halasidhanath Sahakari Sahakari sakhar Karkhana Ltd	2,17,78,500.00	1.79	3,89,83,515.00	1,72,64,250.00	1.87	3,22,84,147.50	2,40,60,000.00	1.95	4,69,17,000.00	6,31,02,750.00	11,81,84,662.50
14	M/s Harsh	1,60,23,175.00	1.79	2,86,81,483.25	3,72,52,250.00	1.87	6,96,61,707.50	4,73,74,250.00	1.95	9,23,79,787.50	10,06,49,675.00	19,07,22,978.25
15	Bhimashankar sugar Ltd	1,69,87,500.00	1.79	3,04,07,625.00	1,85,11,950.00	1.87	3,46,17,346.50	2,26,78,500.00	1.95	4,42,23,075.00	5,81,77,950.00	10,92,48,046.50
16	Sovereign Industries	93,25,000.00	1.79	1,66,91,750.00	-	1.87	-	-	1.95	-	93,25,000.00	1,66,91,750.00
17	Athani Sugar 28 MW	-	1.79	-	2,54,53,819.00	1.87	4,75,98,641.53	6,02,48,602.00	1.95	11,74,84,773.90	8,57,02,421.00	16,50,83,415.43
Total		43,02,49,523.00	30.43	77,01,46,646.17	38,75,28,547.00	31.79	72,46,78,382.89	52,07,94,913.00	33.15	1,01,55,50,080.35	1,33,85,72,983.00	2,51,03,75,109.41



Controller (A&R)  
 HESCOM, HUBLI.



Details of Regular (Long Term) Co-Generation Power Purchase Agreements entered with HESCOMs as on 31.10.2021

As per KERC order 14.05.2018, and 29.10.2021 TARIFF applicable to regular Co-Generation PPAs with HESCOM for FY 19, FY 20 & FY 21

As per KERC order 14.05.2018, and 29.10.2021 (Tariff applicable to regular 1st-Generation FY 19s with HESG Cost for FY 19/20/21 as per FY 19/20/21)																											
Sl No	Name of the Firm	Gross Capacity in MW	Exportable Capacity	Tariff as on March-18			Tariff applicable as per 14.05.2018 KERC Order						Tariff applicable as per 29.10.2021 KERC Order (Revised)						Rate difference between 14.05.2021 and 29.10.2021								
				Fixed Charge	Variable Cost	Total Rate per unit	Fixed Charge	Variable Cost (FY19)	FY 19 Rate per unit	Variable Cost (FY20)	FY 20 Rate per Unit	Variable Cost (FY21)	FY 21 Rate per Unit	Fixed Charge	Variable Cost (FY 19)	Rate per unit	Variable Cost (FY20)	FY 20 Rate per Unit	Variable Cost (FY21)	FY 21 Rate per Unit	Fixed Charge	Variable Cost (FY19)	Rate per unit	Variable Cost (FY20)	FY 20 Rate per Unit	Variable Cost (FY21)	FY 21 Rate per Unit
1	Vishwanath Sugars Limited Unit-1	14.00	7.82	Rs. 1.31	Rs. 3.32	Rs. 4.63	Rs. 1.31	Rs. 1.82	Rs. 3.13	Rs. 1.92	Rs. 3.23	Rs. 2.03	Rs. 3.34	1.31	3.61	4.92	3.79	5.10	3.98	5.29	0.00	1.79	1.79	1.87	1.87	1.95	1.95
2	Venkateshwar Power Project	15.00	10.62	Rs. 1.31	Rs. 3.32	Rs. 4.63	Rs. 1.31	Rs. 1.82	Rs. 3.13	Rs. 1.92	Rs. 3.23	Rs. 2.03	Rs. 3.34	1.31	3.61	4.92	3.79	5.10	3.98	5.29	0.00	1.79	1.79	1.87	1.87	1.95	1.95
3	Niranji Sugars Ltd., TG-1	16.00	11.00	Rs. 1.31	Rs. 3.32	Rs. 4.63	Rs. 1.31	Rs. 1.82	Rs. 3.13	Rs. 1.92	Rs. 3.23	Rs. 2.03	Rs. 3.34	1.31	3.61	4.92	3.79	5.10	3.98	5.29	0.00	1.79	1.79	1.87	1.87	1.95	1.95
4	Bilagi Sugar Mill Limited Unit-1	8.00	4.50	Rs. 1.31	Rs. 3.32	Rs. 4.63	Rs. 1.31	Rs. 1.82	Rs. 3.13	Rs. 1.92	Rs. 3.23	Rs. 2.03	Rs. 3.34	1.31	3.61	4.92	3.79	5.10	3.98	5.29	0.00	1.79	1.79	1.87	1.87	1.95	1.95
5	Parrys Sugar Industries Ltd (GMR Industries Ltd)	12.00	7.50	Rs. 1.86	Rs. 3.32	Rs. 5.18	Rs. 1.86	Rs. 1.82	Rs. 3.68	Rs. 1.92	Rs. 3.78	Rs. 2.03	Rs. 3.89	1.86	3.61	5.47	3.79	5.65	3.98	5.84	0.00	1.79	1.79	1.87	1.87	1.95	1.95
6	Gokak Sugars Ltd.	14.00	6.50	Rs. 1.86	Rs. 3.32	Rs. 5.18	Rs. 1.86	Rs. 1.82	Rs. 3.68	Rs. 1.92	Rs. 3.78	Rs. 2.03	Rs. 3.89	1.86	3.61	5.47	3.79	5.65	3.98	5.84	0.00	1.79	1.79	1.87	1.87	1.95	1.95
7	M/s. Ryatar Sahakar Sakhare Karkane Nivarnit	11.00	7.74	Rs. 1.86	Rs. 3.32	Rs. 5.18	Rs. 1.86	Rs. 1.82	Rs. 3.68	Rs. 1.92	Rs. 3.78	Rs. 2.03	Rs. 3.89	1.86	3.61	5.47	3.79	5.65	3.98	5.84	0.00	1.79	1.79	1.87	1.87	1.95	1.95
8	Krishna Sahakar Sakhare Kharikhane Nivarnit	12.00	7.00	Rs. 1.86	Rs. 3.32	Rs. 5.18	Rs. 1.86	Rs. 1.82	Rs. 3.68	Rs. 1.92	Rs. 3.78	Rs. 2.03	Rs. 3.89	1.86	3.61	5.47	3.79	5.65	3.98	5.84	0.00	1.79	1.79	1.87	1.87	1.95	1.95
9	M/s. Shri Sai Priva Sugars Ltd.	50.00	24.00	Rs. 2.02	Rs. 3.16	Rs. 5.18	Rs. 2.02	Rs. 1.66	Rs. 3.68	Rs. 1.76	Rs. 3.78	Rs. 1.87	Rs. 3.89	2.02	3.45	5.47	3.63	5.65	3.82	5.84	0.00	1.79	1.79	1.87	1.87	1.95	1.95
10	M/s. Belaji Sugars & Chemicals Pvt. Ltd.,	18.00	15.74	Rs. 2.02	Rs. 3.16	Rs. 5.18	Rs. 2.02	Rs. 1.66	Rs. 3.68	Rs. 1.76	Rs. 3.78	Rs. 1.87	Rs. 3.89	2.02	3.45	5.47	3.63	5.65	3.82	5.84	0.00	1.79	1.79	1.87	1.87	1.95	1.95
11	M/s. Basaveshwar Sugars Limited	26.00	22.00	Rs. 2.02	Rs. 3.16	Rs. 5.18	Rs. 2.02	Rs. 1.66	Rs. 3.68	Rs. 1.76	Rs. 3.78	Rs. 1.87	Rs. 3.89	2.02	3.45	5.47	3.63	5.65	3.82	5.84	0.00	1.79	1.79	1.87	1.87	1.95	1.95
12	Shree Halasidhanath Sahakar Sakhar Karkhana Ltd	15.00	8.94	Rs. 2.02	Rs. 3.16	Rs. 5.18	Rs. 2.02	Rs. 1.66	Rs. 3.68	Rs. 1.76	Rs. 3.78	Rs. 1.87	Rs. 3.89	2.02	3.45	5.47	3.63	5.65	3.82	5.84	0.00	1.79	1.79	1.87	1.87	1.95	1.95
13	Belgaum Sugars Pvt. Ltd.	14.00	13.00	Rs. 2.02	Rs. 3.16	Rs. 5.18	Rs. 2.02	Rs. 1.66	Rs. 3.68	Rs. 1.76	Rs. 3.78	Rs. 1.87	Rs. 3.89	2.02	3.45	5.47	3.63	5.65	3.82	5.84	0.00	1.79	1.79	1.87	1.87	1.95	1.95
14	Soverain Industries Limited	20.00	18.20	Rs. 2.02	Rs. 3.16	Rs. 5.18	Rs. 2.02	Rs. 1.66	Rs. 3.68	Rs. 1.76	Rs. 3.78	Rs. 1.87	Rs. 3.89	2.02	3.45	5.47	3.63	5.65	3.82	5.84	0.00	1.79	1.79	1.87	1.87	1.95	1.95
15	Shri Bhimashankar Sahakar Sakhare Karkhane Limited	14.00	12.00	Rs. 2.02	Rs. 3.16	Rs. 5.18	Rs. 2.02	Rs. 1.66	Rs. 3.68	Rs. 1.76	Rs. 3.78	Rs. 1.87	Rs. 3.89	2.02	3.45	5.47	3.63	5.65	3.82	5.84	0.00	1.79	1.79	1.87	1.87	1.95	1.95
16	Harsha Sugars Limited	30.00	27.00	Rs. 2.02	Rs. 3.16	Rs. 5.18	Rs. 2.02	Rs. 1.66	Rs. 3.68	Rs. 1.76	Rs. 3.78	Rs. 1.87	Rs. 3.89	2.02	3.45	5.47	3.63	5.65	3.82	5.84	0.00	1.79	1.79	1.87	1.87	1.95	1.95
17	Bilagi Sugar Mill Limited Unit-2	30.00	26.50	Rs. 2.02	Rs. 3.16	Rs. 5.18	Rs. 2.02	Rs. 1.66	Rs. 3.68	Rs. 1.76	Rs. 3.78	Rs. 1.87	Rs. 3.89	2.02	3.45	5.47	3.63	5.65	3.82	5.84	0.00	1.79	1.79	1.87	1.87	1.95	1.95
18	M/s. Athani Sugars Limited (Unit-2)	28.00	25.42	Rs. 2.02	Rs. 3.16	Rs. 5.18	Rs. 1.77	Rs. 1.66	Rs. 3.43	Rs. 1.92	Rs. 3.69	Rs. 2.03	Rs. 3.80	1.77	0	0	3.79	5.56	3.98	5.75	0.00	0.00	0.00	1.87	1.87	1.95	1.95



CONTROLLER (A&R)  
HESCOM, HUBLI.



SL. No	Name of the Firm	Tariff as on March-18			Tariff applicable as per 14.05.2018 KERC Order						
		Fixed Charge	Variable Cost	Total Rate per unit	Fixed Charge	Variable Cost (FY19)	FY 19 Rate per unit	Variable Cost (FY20)	FY 20 Rate per Unit	Variable Cost (FY21)	FY 21 Rate per Unit
1	Vishwanath Sugars Limited Unit-1	Rs. 1.31	Rs. 3.32	Rs. 4.63	Rs. 1.31	Rs. 1.82	Rs. 3.13	Rs. 1.92	Rs. 3.23	Rs. 2.03	Rs. 3.34
2	Venkateshwar Power Project	Rs. 1.31	Rs. 3.32	Rs. 4.63	Rs. 1.31	Rs. 1.82	Rs. 3.13	Rs. 1.92	Rs. 3.23	Rs. 2.03	Rs. 3.34
3	Nirani Sugars Ltd., TG-1	Rs. 1.31	Rs. 3.32	Rs. 4.63	Rs. 1.31	Rs. 1.82	Rs. 3.13	Rs. 1.92	Rs. 3.23	Rs. 2.03	Rs. 3.34
4	Bilagi Sugar Mill Limited Unit-1	Rs. 1.31	Rs. 3.32	Rs. 4.63	Rs. 1.31	Rs. 1.82	Rs. 3.13	Rs. 1.92	Rs. 3.23	Rs. 2.03	Rs. 3.34
5	Parrys Sugar Industries Ltd (GMR Industries Ltd)	Rs. 1.86	Rs. 3.32	Rs. 5.18	Rs. 1.86	Rs. 1.82	Rs. 3.68	Rs. 1.92	Rs. 3.78	Rs. 2.03	Rs. 3.89
6	Gokak Sugars Ltd.	Rs. 1.86	Rs. 3.32	Rs. 5.18	Rs. 1.86	Rs. 1.82	Rs. 3.68	Rs. 1.92	Rs. 3.78	Rs. 2.03	Rs. 3.89
7	M/s. Ryatar Sahakar Sakkare Karkane Niyamit	Rs. 1.86	Rs. 3.32	Rs. 5.18	Rs. 1.86	Rs. 1.82	Rs. 3.68	Rs. 1.92	Rs. 3.78	Rs. 2.03	Rs. 3.89
8	Krishna Sahakari Sakkare Kharkhane Niyamit	Rs. 1.86	Rs. 3.32	Rs. 5.18	Rs. 1.86	Rs. 1.82	Rs. 3.68	Rs. 1.92	Rs. 3.78	Rs. 2.03	Rs. 3.89
9	M/s. Shri Sai Priya Sugars Ltd	Rs. 2.02	Rs. 3.16	Rs. 5.18	Rs. 2.02	Rs. 1.66	Rs. 3.68	Rs. 1.76	Rs. 3.78	Rs. 1.87	Rs. 3.89
10	M/s. Balaji Sugars & Chemicals Pvt. Ltd.,	Rs. 2.02	Rs. 3.16	Rs. 5.18	Rs. 2.02	Rs. 1.66	Rs. 3.68	Rs. 1.76	Rs. 3.78	Rs. 1.87	Rs. 3.89
11	M/s. Basaveshwar Sugars Limited	Rs. 2.02	Rs. 3.16	Rs. 5.18	Rs. 2.02	Rs. 1.66	Rs. 3.68	Rs. 1.76	Rs. 3.78	Rs. 1.87	Rs. 3.89
12	Shree Halasidhanath Sahakari Sakhar Karkhana Ltd	Rs. 2.02	Rs. 3.16	Rs. 5.18	Rs. 2.02	Rs. 1.66	Rs. 3.68	Rs. 1.76	Rs. 3.78	Rs. 1.87	Rs. 3.89
13	Belgaum Sugars Pvt. Ltd.	Rs. 2.02	Rs. 3.16	Rs. 5.18	Rs. 2.02	Rs. 1.66	Rs. 3.68	Rs. 1.76	Rs. 3.78	Rs. 1.87	Rs. 3.89
14	Soverign Industries Limited	Rs. 2.02	Rs. 3.16	Rs. 5.18	Rs. 2.02	Rs. 1.66	Rs. 3.68	Rs. 1.76	Rs. 3.78	Rs. 1.87	Rs. 3.89
15	Shri Bhimashankar Sahakari Sakkare Karkhane Limited	Rs. 2.02	Rs. 3.16	Rs. 5.18	Rs. 2.02	Rs. 1.66	Rs. 3.68	Rs. 1.76	Rs. 3.78	Rs. 1.87	Rs. 3.89
16	Harsha Sugars Limited	Rs. 2.02	Rs. 3.16	Rs. 5.18	Rs. 2.02	Rs. 1.66	Rs. 3.68	Rs. 1.76	Rs. 3.78	Rs. 1.87	Rs. 3.89
17	Bilagi Sugar Mill Limited Unit-2	Rs. 2.02	Rs. 3.16	Rs. 5.18	Rs. 2.02	Rs. 1.66	Rs. 3.68	Rs. 1.76	Rs. 3.78	Rs. 1.87	Rs. 3.89
18	M/s. Athani Sugars Limited (Unit-2)	Rs. 2.02	Rs. 3.16	Rs. 5.18	Rs. 1.77	Rs. 1.66	Rs. 3.43	Rs. 1.92	Rs. 3.69	Rs. 2.03	Rs. 3.80

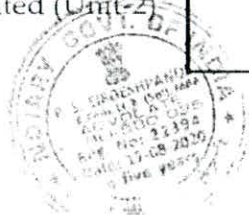


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HESCOM, HUBLI.



(25)

Sl No	Name of the Firm	Tariff as on March-18			Tariff applicable as per 29.10.2021 KERC Order (REVISED)						
		Fixed Charge	Variable Cost	Total Rate per unit	Fixed Charge	Variable Cost (FY19)	FY 19 Rate per unit	Variable Cost (FY20)	FY 20 Rate per Unit	Variable Cost (FY21)	FY 21 Rate per Unit
1	Vishwanath Sugars Limited Unit-1	Rs. 1.31	Rs. 3.32	<b>Rs. 4.63</b>	1.31	3.61	4.92	3.79	5.10	3.98	5.29
✓ 2	Venkateshwar Power Project	Rs. 1.31	Rs. 3.32	<b>Rs. 4.63</b>	1.31	3.61	4.92	3.79	5.10	3.98	5.29
✓ 3	Nirani Sugars Ltd., TG-1	Rs. 1.31	Rs. 3.32	<b>Rs. 4.63</b>	1.31	3.61	4.92	3.79	5.10	3.98	5.29
✓ 4	Bilagi Sugar Mill Limited Unit-1	Rs. 1.31	Rs. 3.32	<b>Rs. 4.63</b>	1.31	3.61	4.92	3.79	5.10	3.98	5.29
5	Parrys Sugar Industries Ltd (GMR Industries Ltd)	Rs. 1.86	Rs. 3.32	<b>Rs. 5.18</b>	1.86	3.61	5.47	3.79	5.65	3.98	5.84
6	Gokak Sugars Ltd.	Rs. 1.86	Rs. 3.32	<b>Rs. 5.18</b>	1.86	3.61	5.47	3.79	5.65	3.98	5.84
7	M/s. Ryatar Sahakar Sakkare Karkane Niyamit	Rs. 1.86	Rs. 3.32	<b>Rs. 5.18</b>	1.86	3.61	5.47	3.79	5.65	3.98	5.84
8	Krishna Sahakari Sakkare Kharkhane Niyamit	Rs. 1.86	Rs. 3.32	<b>Rs. 5.18</b>	1.86	3.61	5.47	3.79	5.65	3.98	5.84
✓ 9	M/s. Shri Sai Priya Sugars Ltd	Rs. 2.02	Rs. 3.16	<b>Rs. 5.18</b>	<b>2.02</b>	<b>3.45</b>	<b>5.47</b>	<b>3.63</b>	<b>5.65</b>	<b>3.82</b>	<b>5.84</b>
✓ 10	M/s. Balaji Sugars & Chemicals Pvt. Ltd.,	Rs. 2.02	Rs. 3.16	<b>Rs. 5.18</b>	2.02	3.45	5.47	3.63	5.65	3.82	5.84
11	M/s. Basaveshwar Sugars Limited	Rs. 2.02	Rs. 3.16	<b>Rs. 5.18</b>	<b>2.02</b>	<b>3.45</b>	<b>5.47</b>	<b>3.63</b>	<b>5.65</b>	<b>3.82</b>	<b>5.84</b>
12	Shree Halasidhanath Sahakari Sakhar Karkhana Ltd	Rs. 2.02	Rs. 3.16	<b>Rs. 5.18</b>	2.02	3.45	5.47	3.63	5.65	3.82	5.84
13	Belgaum Sugars Pvt. Ltd.	Rs. 2.02	Rs. 3.16	<b>Rs. 5.18</b>	<b>2.02</b>	<b>3.45</b>	<b>5.47</b>	<b>3.63</b>	<b>5.65</b>	<b>3.82</b>	<b>5.84</b>
14	Soverign Industries Limited	Rs. 2.02	Rs. 3.16	<b>Rs. 5.18</b>	<b>2.02</b>	<b>3.45</b>	<b>5.47</b>	<b>3.63</b>	<b>5.65</b>	<b>3.82</b>	<b>5.84</b>
✓ 15	Shri Bhimashankar Sahakari Sakkare Karkhane Limited	Rs. 2.02	Rs. 3.16	<b>Rs. 5.18</b>	2.02	3.45	5.47	3.63	5.65	3.82	5.84
✓ 16	Harsha Sugars Limited	Rs. 2.02	Rs. 3.16	<b>Rs. 5.18</b>	2.02	3.45	5.47	3.63	5.65	3.82	5.84
✓ 17	Bilagi Sugar Mill Limited Unit-2	Rs. 2.02	Rs. 3.16	<b>Rs. 5.18</b>	2.02	3.45	5.47	3.63	5.65	3.82	5.84
✓ 18	M/s. Athani Sugars Limited (Unit-2)	Rs. 2.02	Rs. 3.16	<b>Rs. 5.18</b>	1.77	0	0	3.79	5.56	3.98	5.75



CONTROLLER (A&R)  
 HESCOM, HUBLI.



HUBLI ELECTRICITY SUPPLY COMPANY LIMITED													
DETAILS OF POWER PURCHASE cost of from HESCOM FY-06 to FY-21 (As per Accounts)													
SL No	Name of the Company	2017-18			2018-19			2019-20			2020-21		
		Energy In MUs	Cost of Power Purchase in Cr	Cost Power Purchase Rs./Unit	Energy In MUs	Cost of Power Purchase in Cr	Cost Power Purchase Rs./Unit	Energy In MUs	Cost of Power Purchase in Cr	Cost Power Purchase Rs./Unit	Energy In MUs	Cost of Power Purchase in Cr	Cost Power Purchase Rs./Unit
1	CGS	4,761.10	1,921.49	4.04	4,150.82	1,857.09	4.47	3,471.79	1,767.55	5.09	3,490.39	1,800.57	5.16
2	KPCL HYDEL	1,222.66	137.06	1.12	3,157.35	227.56	0.72	5,186.06	405.37	0.78	2,836.79	309.75	1.09
3	KPCL SOLAR	3.01	1.78	5.91	2.66	1.70	6.39	1.91	1.16	6.07	1.79	1.04	5.81
4	KPCL THERMAL	2,918.79	1,465.66	5.02	2,201.81	1,193.54	5.42	1,537.32	862.30	5.61	1,266.18	880.17	6.95
5	RPCL	-	-	-	128.20	258.95	-	48.21	30.85	6.40	536.58	393.50	7.33
6	MINI HYDEL	54.20	18.70	3.45	32.65	11.32	3.47	46.73	16.76	3.59	80.26	27.33	3.41
7	WIND MILL	1,966.11	804.51	4.09	2,573.84	1,059.58	4.12	2,482.86	1,013.90	4.08	2,090.82	860.40	4.12
8	CO-GENERATION	569.47	299.40	5.26	767.82	323.47	4.21	714.56	302.31	4.23	890.76	383.47	4.30
9	Bio Mass	-	-	-	-	-	-	-	-	-	-	-	-
10	HIGH COST (Others) (Short term)	493.71	200.14	4.05	120.71	49.31	4.08	-	0.30	-	-	-	-
11	Major IPPS	1,627.16	852.62	5.24	689.84	428.39	6.21	147.16	112.28	7.63	258.77	222.70	8.61
12	Solar	457.07	269.39	5.89	1,358.02	713.75	5.26	1,742.04	806.07	4.63	1,826.95	828.29	4.53
13	Banked Energy of W & B	-	-	-	-	-	-	-	-	-	53.18	14.92	2.81
14	Infirm Energy	-	-	-	-	-	-	-	-	-	10.99	5.57	5.07
15	Diff Between Power Purchase cost & the Cost of Supply to HRECS	-	-	-	-	-	-	-	-	-	-	-	-
	<b>TOTAL</b>	<b>14,073.28</b>	<b>5,970.75</b>	<b>4.24</b>	<b>15,183.74</b>	<b>6,124.66</b>	<b>4.03</b>	<b>15,378.64</b>	<b>5,318.85</b>	<b>3.46</b>	<b>13,343.46</b>	<b>5,727.71</b>	<b>4.29</b>
13	KPTCL Transmission Charges	-	535.48	-	-	555.72	-	-	704.96	-	-	749.28	-
14	PGCIL Transmission Charges	-	393.36	-	-	384.83	-	-	432.80	-	-	485.97	-
15	SLDC O&M Expenses	-	5.54	-	-	4.45	-	-	3.26	-	-	3.95	-
16	SPPCC Admin Expenditure	-	0.70	-	-	0.04	-	-	-	-	-	-	-
17	POSOCO charges	-	-	-	-	-	-	-	0.92	-	-	0.63	-
18	Tantransco	-	0.08	-	-	0.01	-	-	-	-	-	0.24	-
19	Open Access Charges	-	-	-	-	1.38	-	-	2.36	-	-	4.85	-
20	LC Charges Related to Purchase of Power	-	2.94	-	-	2.52	-	-	2.61	-	-	2.51	-
21	PKCL O&M Expenses (Seed Money)	-	-	-	-	-	-	-	0.99	-	-	0.95	-
	<b>GRAND TOTAL</b>	<b>14,073.28</b>	<b>6,908.85</b>	<b>4.91</b>	<b>15,183.74</b>	<b>7,073.61</b>	<b>4.66</b>	<b>15,378.64</b>	<b>6,466.75</b>	<b>4.21</b>	<b>13,343.46</b>	<b>6,976.09</b>	<b>5.23</b>
19	Inter-ESCOM Energy Exchange (Payable & Receivable)	(1,015.38)	(521.93)	4.16	(434.52)	(176.63)	4.06	(1,483.37)	(615.86)	4.15	344.87	195.05	5.66
20	Sale of Power through Exchange	5.82	2.11	3.63	(156.94)	(66.16)	4.22	(307.51)	(82.17)	2.67	(336.18)	(111.23)	3.31
	<b>Grand TOTAL</b>	<b>13,063.72</b>	<b>6,489.03</b>	<b>4.97</b>	<b>14,592.28</b>	<b>6,830.82</b>	<b>4.68</b>	<b>13,587.76</b>	<b>5,768.72</b>	<b>4.25</b>	<b>13,352.15</b>	<b>7,059.91</b>	<b>5.29</b>
Less:	HRECS	332.61	143.21	4.31	346.63	161.56	4.66	323.66	174.39	5.39	326.30	188.01	5.76
Less:	Rebate from power Generators	-	0.98	-	-	3.78	-	-	9.43	-	-	36.41	-
	<b>GRAND TOTAL</b>	<b>12,731.11</b>	<b>6,344.84</b>	<b>4.98</b>	<b>14,245.65</b>	<b>6,665.48</b>	<b>4.68</b>	<b>13,264.10</b>	<b>5,584.90</b>	<b>4.21</b>	<b>13,025.85</b>	<b>6,835.49</b>	<b>5.25</b>

Note : Inter ESCOM Energy Exchange and IEX

(+) ve indicates Payable  
(-) ve indicates Receivable



20/08/2020  
CONTROLLER (A&R)  
HESCOM, HUBLI.

20/08/2020



## Revenue From sale of power

Format-D2

			FY-21				FY-22			
			(ACTUAL)				Projected			
Sl.	Tariff	Category	Instal.	Energy	Revenue	Avg.	Instal.	Energy	Revenue	Avg.
No.	Category	Description	(No.s)	Sales	(Cr.)	Real.	(No.s)	Sales	(Cr.)	Real.
				(Mus)	Pr Act	[Ps/Unit]		(Mus)	Pr Act	[Ps/Unit]
1	LT-1	BJ/K: <40 units	712285	198.98	136.42	685.59	712285	198.98	159.19	800.02
		BJ/K: >40 units	47124	70.49	25.74	365.15	47124	70.49	31.24	443.18
2	LT-2 (a)	Domestic / AEH	2948429	1638.55	1035.32	631.85	3092355	1704.44	1141.77	669.88
3	LT-2 (b)		7351	14.83	13.24	892.86	7600	16.23	17.00	1047.63
4	LT-3	Commercial	410957	462.51	468.12	1012.12	431505	489.52	517.62	1057.40
5	LT-4 (a)	IP sets - Less than 10 HP - General	974820	5938.82	3955.44	666.03	981244	6253.78	4340.12	694.00
6	LT-4 (b)	Irrigation Pump sets - More than 10 HP	863	14.64	7.46	509.56	865	14.68	7.81	532.02
7	LT-4 (c)	Private Horticulture Nurseries, Cane & Tea Plantations	465	0.85	0.51	601.08	505	0.92	0.55	596.96
8	LT-5	Industries	125803	311.10	260.33	836.79	130162	318.98	276.45	866.68
9	LT-6 a	Water Supply	52049	335.62	220.04	655.61	55636	357.72	205.46	574.36
10	LT-6 b	Street Lights	26315	152.20	129.06	847.94	27594	153.16	133.34	870.61
11	LT-7	Temporary Power Supply	157530	31.73	80.07	2523.14	206834	32.99	97.09	2943.10
12		FAC(LT)			30.28					
	LT Total		5463991	9170.34	6362.03	693.76	5693709	9611.89	6927.64	720.74
13	HT-1	Water Supply	418	331.99	197.69	595.47	458	363.62	230.90	635.01
14	HT-2 (a)	Industries	2026	945.43	705.85	746.60	2198	1090.83	977.34	895.96
15	HT-2 (b)	Commercial	712	101.71	110.80	1089.39	763	104.33	123.48	1183.52
16	HT-2 (c)	Hospitals	373	59.67	52.11	873.30	402	65.79	61.83	939.77
17	HT-3(a)	Irrigation & LI Societies	323	321.57	165.54	514.79	348	347.02	147.97	426.40
18	HT-3 (b)	Irrigation & LI Societies	3	0.01	0.01	0.00	3	0.01	0.01	0.00
19	HT-4	Residential Apartments	32	16.72	12.13	725.68	32	17.17	13.62	793.40
20	HT-5	Temporary Power Supply	84	26.93	9.68	359.42	91	28.89	39.59	1370.23
21		FAC(HT)			6.69					
	HT Total		3971	1804.02	1260.50	698.72	4295	2017.67	1594.74	790.39
	Total		5467962	10974.36	7622.53	694.58	5698004	11629.56	8522.38	732.82
Other Operating revenues										
20	Reconnection fee (D&R) (61.901, 61.902)				0.19				0.20	
21	Service Connection (Supervision Charges) (61.904)				16.33				16.98	
22	Delayed payment charges from consumers (61.905)				101.20				105.25	
23	Other Receipts from consumers (61.906, 61.600)				4.92				5.12	
24	Registration fee towards SRTPV (61.907)				0.07				0.07	
25	Facilitation fee towards SRTPV (61.908)				0.22				0.23	
26	Supervision Charges for Self Execution works (61.909)				3.33				3.46	
27	Maintenance charges for the layouts created by the developers (61.910)				0.71				0.74	
	Gross Revenue from Sale of Power (20 to 27)		0	0.00	126.97		0	0.00	132.05	
	LESS: Rebate and Incentives									
28	Solar Rebate allowed to consumers (78.822)				3.36				3.49	
29	Incentives for prompt payment (78.823)				0.66				0.69	
30	Time of day (TOD) Tariff Incentive (78.826)				0.02				0.02	
	Total (28 to 30)				4.04				4.20	
31	Provision for withdrawal of Revenue Demand (83.830 to 83.832)				3.02				3.14	
	Total				7.06				7.34	
	GRAND TOTAL		5467962	10974.36	7742.44		5698004	11629.56	8647.09	

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CONTROLLER (A&R)  
HESCOM, HUBLI.



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## Revenue From sale of power

			FY-23				FY-23			
			At Existing Tariff				At proposed Tariff			
Sl. No.	Tariff Category	Category Description	instal. (No.s)	Energy Sales (Mus)	Revenue (Cr.) Pr Act	Avg. Real. [Ps/Unit]	instal. (No.s)	Energy Sales (Mus)	Revenue (Cr.) Pr Act	Avg. Real. [Ps/Unit]
1	LT-1	Bj/Kj: <=40 units	712285	198.98	159.19	800.00	712285	198.98	205.15	1031.00
		Bj/Kj: >40 units	47124	70.49	31.23	443.10	47124	70.49	33.21	471.10
2	LT-2 (a)	Domestic / AEH	3243309	1772.99	1184.55	668.11	3243309	1772.99	1380.78	778.79
3	LT-2 (b)		7857	17.76	18.93	1065.88	7857	17.76	20.53	1156.38
4	LT-3	Commercial	453078	518.11	547.08	1055.91	453078	518.11	592.30	1143.18
5	LT-4 (a)	IP sets - Less than 10 HP - General	1006244	6354.25	4409.85	694.00	1006244	6354.25	5871.33	924.00
6	LT-4 (b)	Irrigation Pump sets - More than 10 HP	868	14.72	8.08	549.09	868	14.72	9.63	654.44
7	LT-4 (c)	Private Horticulture Nurseries, Coffee & Tea Plantations	548	1.00	0.71	714.35	548	1.00	0.87	865.86
8	LT-5	Industries	134672	327.05	303.85	929.09	134672	327.05	414.58	1267.66
9	LT-6 a	Water Supply	59469	381.27	225.11	688.32	59469	381.27	260.96	797.94
10	LT-6 b	Street Lights	28935	154.12	114.57	300.50	28935	154.12	125.09	328.08
11	LT-7	Temporary Power Supply	271569	34.29	74.23	481.63	271569	34.29	83.72	543.22
12		FAC(LT)								
	LT Total		5965958	9845.03	7077.39	718.88	5965958	9845.03	8998.16	913.98
13	HT-1	Water Supply	502	398.26	259.48	651.52	502	398.26	321.57	807.42
14	HT-2 (a)	Industries	2385	1258.60	1106.73	879.33	2385	1258.60	1461.81	1161.45
15	HT-2 (b)	Commercial	818	107.02	130.98	1223.81	818	107.02	272.80	2548.92
16	HT-2 (c)	Hospitals	432	72.54	69.26	954.70	432	72.54	88.01	1213.24
17	HT-3(a)	Irrigation & LI Societies	377	374.49	139.85	373.44	377	374.49	247.06	659.73
18	HT-3 (b)	Irrigation & LI Societies	3	0.01	0.01	0.00	3	0.01	0.02	0.00
19	HT-4	Residential Apartments	32	17.63	14.04	796.18	32	17.63	16.37	928.27
20	HT-5	Temporary Power Supply	100	31.00	42.74	1378.95	100	31.00	66.01	2129.55
21		FAC(HT)								
	HT Total		4649	2259.57	1763.09	780.28	4649	2259.57	2473.64	1094.74
	Total		5970607	12104.60	8840.48	730.34	5970607	12104.60	11471.80	947.72
Other Operating revenues										
20	Reconnection fee (D&R) (61.901, 61.902)				0.21				0.21	
21	Service Connection (Supervision Charges) (61.904)				17.66				17.66	
22	Delayed payment charges from consumers (61.905)				109.46				109.52	
23	Other Receipts from consumers (61.906, 61.600)				5.32				5.32	
24	Registration fee towards SRTPV (61.907)				0.08				0.08	
25	Facilitation fee towards SRTPV (61.908)				0.24				0.24	
26	Supervision Charges for Self Execution works (61.909)				3.60				3.60	
27	Maintenance charges for the layouts created by the developers (61.910)				0.77				0.77	
	Gross Revenue from Sale of Power (20 to 27)		0	0.00	137.32		0	0.00	137.39	
	LESS: Rebate and Incentives									
28	Solar Rebate allowed to consumers (78.822)				3.63				3.63	
29	Incentives for prompt payment (78.823)				0.71				0.71	
30	Time of day (TOD) Tariff Incentive (78.826)				0.02				0.02	
	Total (28 to 30)				4.36				4.36	
31	Provision for withdrawal of Revenue Demand (83.830 to 83.832)				3.27				3.27	
	Total				7.63				7.63	
	GRAND TOTAL		5970607	12104.60	8970.17		5970607	12104.60	11601.56	

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HESCON, HUBLI.



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Revenue From sale of power

			FY-24				FY-25			
			At proposed Tariff				At proposed Tariff			
Sl.	Tariff	Category	Instal.	Energy	Revenue	Avg.	Instal.	Energy	Revenue	Avg.
No.	Category	Description	(No.s)	Sales	(Crs)	Real.	(No.s)	Sales	(Crs)	Real.
				(Mus)	Pr Act	[Ps/Unit]		(Mus)	Pr Act	[Ps/Unit]
1	LT-1	B1/K1: <40 units	712285	198.98	205.15	1031.00	712285	198.98	205.15	1031.00
		B1/K1: >40 units	47124	70.49	33.21	471.10	47124	70.49	33.21	471.10
2	LT-2 (a)	Domestic / AEH	3401631	1844.29	1440.15	780.87	3567681	1918.46	1508.48	786.30
3	LT-2 (b)		8123	19.43	22.11	1137.56	8396	21.26	23.81	1119.78
4	LT-3	Commercial	475730	548.37	627.11	1143.60	499514	580.39	663.91	1143.89
5	LT-4 (a)	IP sets - Less than 10 HP - General	1031244	6514.10	6019.03	924.00	1056244	6673.96	6166.74	924.00
6	LT-4 (b)	Irrigation Pump sets - More than 10 HP	870	14.76	9.66	654.62	872	14.80	9.69	654.80
7	LT-4 (c)	Private horticulture nurseries, cones & tea	595	1.09	0.94	865.86	647	1.18	1.02	865.86
8	LT-5	Industries	139339	335.32	434.93	1297.06	144167	343.80	477.84	1389.85
9	LT-6 a	Water Supply	63567	406.37	289.02	861.92	67947	433.13	308.28	896.68
10	LT-6 b	Street Lights	30341	155.08	126.67	311.71	31816	156.05	128.30	296.22
11	LT-7	Temporary Power Supply	356566	35.65	104.68	675.00	468164	37.06	130.55	836.59
12		FAC(LT)								
	LT Total		6267415	10143.93	9312.66	918.05	6604858	10449.57	9656.99	924.15
13	HT-1	Water Supply	549	436.21	352.22	807.45	602	477.77	385.79	807.48
14	HT-2 (a)	Industries	2588	1452.17	1658.21	1141.88	2808	1675.52	1858.71	1109.33
15	HT-2 (b)	Commercial	877	109.79	292.49	2664.16	940	112.62	316.59	2811.17
16	HT-2 (c)	Hospitals	465	79.99	98.19	1227.61	501	88.19	109.11	1237.22
17	HT-3(a)	Irrigation & LI Societies	406	404.14	271.52	671.84	438	436.14	297.77	682.74
18	HT-3 (b)	Irrigation & LI Societies	4	0.01	0.02	0.00	4	0.02	0.02	0.00
19	HT-4	Residential Apartments	33	18.11	16.85	930.64	33	18.60	17.25	927.70
20	HT-5	Temporary Power Supply	108	33.25	71.53	2151.06	118	35.67	81.59	2287.00
21		FAC(HT)								
	HT Total		5030	2533.67	2761.02	1089.73	5444	2844.52	3066.83	1078.15
	Total		6272445	12677.61	12073.68	952.36	6610302	13294.09	12723.82	957.10
Other Operating revenues										
20	Reconnection fee (D&R) (61.901, 61.902)				0.21				0.22	
21	Service Connection (Supervision Charges) (61.904)				18.37				19.10	
22	Delayed payment charges from consumers (61.905)				113.90				118.46	
23	Other Receipts from consumers(61.906, 61.600)				5.53				5.76	
24	Registration fee towards SRTPV (61.907)				0.08				0.08	
25	Facilitation fee towards SRTPV (61.908)				0.25				0.26	
26	Supervision Charges for Self Execution works (61.909)				3.75				3.90	
27	Maintenance charges for the layouts created by the developers (61.910)				0.80				0.83	
	Gross Revenue from Sale of Power (20 to 27)		0	0.00	142.89		0	0.00	148.61	
	LESS: Rebate and Incentives									
28	Solar Rebate allowed to consumers (78.822)				3.78				3.93	
29	Incentives for prompt payment (78.823)				0.74				0.77	
30	Time of day (TOD) Tariff Incentive(78.826)				0.02				0.02	
	Total (28 to 30)				4.54				4.72	
31	Provision for withdrawal of Revenue Demand (83.830 to 83.832)				3.40				3.53	
	Total				7.94				8.25	
	GRAND TOTAL		6272445	12677.61	12208.63		6610302	13294.09	12864.17	

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 HESCOM, HUBLI.



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## Energy Projection &amp; Power Purchase Cost of HESCOM -FY2022-23 (Revised)

Energy Projection & Power Purchase Cost of HESCOM -FY2022-23 (Revised)														
Sl no	Source	Scheduled energy/design energy in Mus	Energy in Mus	Fixed Charges /annum(Rs in Crs)	Variable Charge ( Ps / Kwh )					Generation point(Rs in Crs)			Average rate (Ps/kwh)	
					Variable Charge	Royalty	Total variable Charges	Incentiv e	Income Tax	Variable charges Rs in Cr	Fixed charges	Total Variable charges		Total
	CGS	21.45												
	KPCL Hydro	10.00												
	KPCL Hydro	21.45												
	KPCL RTPS	21.45												
A	KPCL													
	HYDEL													
	Sharavathy valley projects													
1	Sharavathi	373.80	489.83											
2	Linganamakki													
3	Chakra													
	Total	373.80	489.83		54.65	20.00	74.65	0.28	0.27	30.23	0.00	30.78	30.78	62.85
	Kali Valley projects													
4	Kalinadi(Nagajari)	477.26	152.72											
5	Supa													
	Total	102.94	152.72		111.05	20.00	131.05	0.16	0.16	14.49	0.00	14.80	14.80	96.93
	Varahi Valley projects													
6	Varahi 1 & 2	182.04	216.36											
7	Mani Dam													
	Total	182.04	216.36		195.86	20.00	215.86	0.48	0.47	39.98	0.00	40.93	40.93	189.19
8	Varahi 3 & 4	182.04	182.04		38.34			0.00	0.00			6.98	6.98	38.34
9	Bhadra & Bhadra Right Bank	10.83	10.57		554.16	20.00	574.16	0.00	0.03	6.21	0.00	6.25	6.25	590.70
10	Ghataprabha(GDPH)	18.23	14.16		225.34	20.00	245.34	0.00	0.06	4.39	0.00	4.45	4.45	314.49
11	Mallapur & Others	0.00	0.00		116.00		116.00	0.00	0.00	0.00	0.00	0.00	0.00	
12	Kadra Dam	90.07	78.84		211.01	20.00	231.01	0.00	0.60	20.58	0.00	21.18	21.18	268.68
13	Kodasalli Dam	79.89	74.26		149.88	20.00	169.88	0.00	0.41	13.46	0.00	13.87	13.87	186.80
14	Gerusoppa/STRP	94.94	111.93		205.64	20.00	225.64	0.26	0.72	21.76	0.00	22.74	22.74	203.16
15	Almatti	82.36	119.19		221.49	100.00	321.49	0.70	0.72	30.16	0.00	31.59	31.59	265.03
16	Shiva & Shimsa	54.05	59.05		149.80	16.00	165.80	0.00	0.33	9.04	0.00	9.37	9.37	158.72
18	Munirabad	13.94	17.14		116.49	20.00	136.49	0.00	0.04	1.97	0.00	2.00	2.00	116.96
19	MGHE-Jog	25.52	78.36		399.64	20.00	419.64	0.00	0.19	11.77	0.00	11.96	11.96	152.60
	Total KPCL Hydel	1128.61	1422.42		2387.80	256.00	2605.46	0.96		204.04	0.00	216.92	216.92	152.50
II	Thermal													
1	RTPS -1 & 7		763.78	186.74	283.17		283.167	0.00	4.32	216.28	186.74	220.59	407.34	533.32
2	RTPS 8		226.73	50.28	283.17		283.167		1.07	64.20	50.28	65.27	115.56	509.67
	BTPS								0.00			0.00		
3	Unit I		239.71	75.08	281.30		281.300		2.45	67.43	75.08	69.88	144.96	604.72
4	Unit II		243.44	95.90	277.73		277.733		2.57	67.61	95.90	70.18	166.09	682.26
5	Unit III		696.70	193.48	255.70		255.700		6.92	178.15	193.48	185.07	378.56	543.35

ನಿಯಂತ್ರಣಾಧಿಕಾರಿ

(ಲೆಕ್ಕಗಳು ಮತ್ತು ತಂದಾಯ)

ನಿಗದಿತ ಕಾರ್ಯಾಲಯ ತುರ್ತುಕಾಲದ ಸಂದರ್ಭ



FORM T1/D1

[illegible]


Sl no	Source	Scheduled energy/desi gn energy in Mus	Energy in Mus	Fixed Charges /annum( Rs in Crs)	Variable Charge ( Ps / Kwh )					Generation point(Rs in Crs)			Average rate (Ps/kwh)	
					Variable Charge	Royalty	Total variable Charges	Incentiv e	Income Tax	Variable charges Rs in Cr	Fixed charges	Total Variable charges		Total
6	Yelahanka Combined Cycle gas Power projects													
	Raichur Power Corporation Ltd													
1	Yermarus TPS - 1 & 2		1398.93	478.44	272.00		272.000		16.71	380.51	478.44	397.22	875.66	625.95
	KPCL-Thermal		3569.28	1079.94		0.00		0.00	34.04	974.17	1079.94	1008.21	2088.15	585.03
	Total KPCL purchase		4991.69	1079.94	2387.80	256.00	2605.46	0.96	34.04	1178.21	1079.94	1225.13	2305.07	461.78
8	Central Projects						0.000							
1	N.T.P.C-RSTP-I&II	705.73	679.76	50.52	262.97	0.00	262.97			185.58	50.52	185.58	236.10	347.33
2	NTPC-III	194.41	187.25	13.30	258.57	0.00	258.57			50.27	13.30	50.27	63.57	339.46
3	NTPC-Talcher	589.45	567.76	41.91	177.23	0.00	177.23			104.47	41.91	104.47	146.38	257.83
4	NLC TPS2-Stage 1	205.22	197.67	15.35	265.07	0.00	265.07			54.40	15.35	54.40	69.74	352.83
5	NLC TPS2-Stage 2	277.98	267.75	21.24	265.07	0.00	265.07			73.68	21.24	73.68	94.93	354.54
6	NLC TPS1-Expn	161.89	155.93	15.57	240.67	0.00	240.67			38.96	15.57	38.96	54.53	349.70
7	NLC II expansion I	131.62	126.77	40.51	255.73	0.00	255.73			33.66	40.51	33.66	74.17	585.08
8	New NLC Thermal Power project	103.01	99.22	20.01	218.93	0.00	218.93			22.55	20.01	22.55	42.56	428.96
9	MAPS	20.75	19.99	0.00	257.14	0.00	257.14		0.00	5.34	0.00	5.34	5.34	266.96
10	Kaiga Unit 1&2	180.16	173.53	0.00	346.40	0.00	346.40			62.41	0.00	62.41	62.41	359.63
11	Kaiga Unit 3 & 4	190.45	183.44	0.00	346.40	0.00	346.40		0.00	65.97	0.00	65.97	65.97	359.63
12	Simhadri Unit -1 & 2	280.73	270.40	45.62	287.27	0.00	287.27			80.64	45.62	80.64	126.26	466.96
13	Vallur TPS Stage I & 2 & 3	81.58	78.58	44.38	304.93	0.00	304.93			24.88	44.38	24.88	69.25	881.37
14	NLC II expansion -2	68.90	66.36	49.88	294.30	0.00	294.30			128.55	0.00	128.55	128.55	424.73
15	Kudamkulam Unit 1	314.23	302.66	0.00	409.10	0.00	409.10			120.95	0.00	120.95	120.95	424.73
16	Kudamkulam Unit 2	295.64	284.76	0.00	409.10	0.00	409.10			173.36	341.05	173.36	514.41	1053.37
17	Kudgi Units 1,2 & 3	507.01	488.35	341.05	341.93	0.00	341.93			26.48	43.72	26.48	70.20	803.80
18	Damodhar valley Corporation- Meja	90.67	87.33	43.72	292.00	0.00	292.00			87.57	63.05	87.57	150.62	490.57
19	Damodhar valley Corporation- Kode	318.76	307.03	63.05	274.73	0.00	274.73			0.00	0.89	0.00	0.89	
20	POSOCO charges			0.89										
21	PGCIL Transmission Charges			573.59										
	Total B	4718.17	4544.55	1380.60				0.00	0.00	1360.00	1380.60	1360.00	2740.59	603.05
C	IPPs-Major													
1	M/s UPCL		0.00	234.11	516.44		516.44			0.00	234.11	0.00	234.11	#DIV/0!
	Total C		0.00	234.11	516.44	0.00	516.44	0.00	0.00	0.00	234.11	0.00	234.11	#DIV/0!
D	Minor IPPS													
	Existing NCE projects													
1	Co-generation		520.79		582.60		582.60			303.41	0.00	303.41	303.41	582.60
1a	Co-generation (Additional Cost)									251.04	0.00	251.04	251.04	1064.63
2	Biomass													
3	Mini Hydel		80.26		341.00		341.00			27.37	0.00	27.37	27.37	341.00
4	Wind mill		1950.06		415.00		415.00			809.27	0.00	809.27	809.27	415.00
5	KPCL wind mill													



## Energy Projection &amp; Power Purchase Cost of HESCOM -FY2022-23 (Revised)

Sl no	Source	Scheduled energy/design energy in Mus	Energy in Mus	Fixed Charges / annum (Rs in Crs)	Variable Charge (Ps / Kwh)			ier Charges Rs in Crs			Generation point(Rs in Crs)			Average rate (Ps/kwh)
					Variable Charge	Royalty	Total variable Charges	Incentiv e	Income Tax	Variable charges Rs in Cr	Fixed charges	Total Variable charges	Total	
6	Solar		1801.35		45.07		45.07			81.19	0.00	81.19	81.19	45.07
7	Solar Rooftop													
8	KPCL Solar		1.79		580.00		580.00			1.04	0.00	1.04	1.04	580.00
9	NTPC Bundled power Coal		88.39		395.83		395.83			34.99	0.00	34.99	34.99	395.83
10	NTPC Bundled Power Solar		22.99		1052.67		1052.67			24.20	0.00	24.20	24.20	1052.67
11	Wind MOA		204.35		348.09		348.09			71.13	0.00	71.13	71.13	348.09
12	NTPC Bundled Power Solar, Pavagada		262.35		480.08		480.08			125.95	0.00	125.95	125.95	480.08
	<b>Total D1</b>		<b>4932.33</b>							<b>1729.60</b>	<b>0.00</b>	<b>1729.60</b>	<b>1729.60</b>	<b>350.66</b>
	<b>New NCE projects</b>													
1	Co-generation													
2	Biomass													
3	Mini Hydel													
4	Wind mill													
5	Solar Power		0.00		0.00		0.00			0.00	0.00	0.00	0.00	
6	Solar-Kusuma		481.40		309.00		309.00			148.75	0.00	148.75	148.75	309.00
	<b>Total D2</b>		<b>481.40</b>							<b>148.75</b>	<b>0.00</b>	<b>148.75</b>	<b>148.75</b>	<b>309.00</b>
	<b>Total of D1&amp;D2</b>	<b>0.00</b>	<b>5413.73</b>							<b>1878.35</b>	<b>0.00</b>	<b>1878.35</b>	<b>1878.35</b>	<b>346.96</b>
E	<b>Others</b>													
	TB Dam	0.00	7.46	0.41			0.00			0.00	0.41	0.00	0.41	54.97
	Jurala		37.04	11.48	0.00		0.00			0.00	11.48	0.00	11.48	309.86
	<b>Total E</b>		<b>44.51</b>				<b>0</b>			<b>0.00</b>	<b>11.89</b>	<b>0.00</b>	<b>11.89</b>	<b>267.11</b>
F	<b>Medium Term Procurement</b>													
G	<b>Total availability</b>		<b>14994.48</b>											
H	<b>Energy requirement</b>		<b>14718.63</b>							<b>4416.56</b>	<b>2706.53</b>	<b>4463.48</b>	<b>7170.01</b>	<b>478.18</b>
	Allocation to Other ESCOMs		-275.85		461.43		461.43			-127.29	0.00	-127.29	-127.29	461.43
I	Deficit/surplus		-275.85											
J	Medium/short				0.00		0.00							
K	<b>Grand Total</b>		<b>14718.63</b>							<b>4289.27</b>	<b>2706.53</b>	<b>4336.19</b>	<b>7042.72</b>	<b>478.49</b>

Note: 1a: Co-generation (Additional Cost)- Rate Difference amount of Rs.251.04 Crs payable as per Order dt: 29-10-2021 in Appeal No: 229/2018 before APTEL for 2018-19, 2019-20, 2020-21.

  
 ಸಿಬಿಎಂಸಿ ಸಾಧಿಕಾರಿ  
 (ಲೆಕ್ಕಗಳು ಮತ್ತು ಕಂದಾಯ)  
 ಸಿಬಿಎಂ ಸಾರ್ವಜನಿಕ ಮನವಿ ಸಂಸ್ಥೆ, ಹುಬ್ಬಳ್ಳಿ



32

**BEFORE THE KARNATAKA ELECTRICITY REGULATORY COMMISSION,**  
**No.16, C-1, Millers Tank Bed Area, Vasanth Nagar, Bengaluru-560 052.**

**Dated: 29.10.2021**

**Present**

Shri Shambhu Dayal Meena	: Chairman
Shri H.M. Manjunatha	: Member
Shri M.D. Ravi	: Member

**Petition No.N/170/2018 in the matter of Judgment dated 02.08.2021 in**

**Appeal No.229/2018 before the Hon'ble APTEL**

**BETWEEN:**

South India Sugar Mills Association & Others.

.... Petitioners

[Petitioner SISMA represented by Advocates  
Sri Anand Ganeshan, Ms. Swapna Sheshadri and  
Sri Aditya H. Dubey for MSA Partners]

**AND**

Bangalore Electricity Supply Company Limited & Others.

.... Respondents

[Respondents represented by Sri S. Sriranga,  
Smt. Sumana Naganand & Ms. Medha M. Puranik,  
Advocates for M/s Just Law]

**ORDERS**

1. This Petition is filed by South India Sugar Mills Association (SISMA) to consider the matter afresh and pass consequential order to implement the Judgment order dated 02.08.2021 passed by the Hon'ble Appellate Tribunal for



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Electricity in Appeal No. 229 of 2018 against the impugned Tariff order dated 14.05.2018 passed by this Commission. After receipt a copy of the Hon'ble ATE, the case was fixed for hearings and the Commission issued notice to all concerned.

**2. Brief Facts of the Case:**

- (i) The Karnataka Electricity Regulatory Commission (hereinafter referred to as 'the Commission') vide order dated 14.05.2018, determined the tariff for Mini-Hydel, Bagasse based Co-Generation and Rankine Cycle based Biomass power plants and had also revised the tariff for existing Bagasse based Co-Generation and Rankine Cycle based Biomass power plants also, due to the revision in fuel charges. Aggrieved by the above order, an Appeal No: 229 of 2018 was filed before the Hon'ble Appellate Tribunal for Electricity by South Indian Sugar Mills Association of Karnataka (SISMA-K) on the ground that the tariff determined in the impugned order is applicable to Bagasse based Co-Generation power plants due to revision of Capital Cost and Fuel charges. Subsequently through IAs, M/s Nirani Sugars Limited, M/s Shree Sai Priya Sugars Limited, M/s. Athani Sugars Limited, M/s. Balaji Sugars and Chemicals Pvt. Limited, M/s. Shree Basaveshwar Sugars Limited Shri Bhimashankar Sahakari Sakkare Kharkhanne Niyamit, M/s. Bidar Kissan Shakhar Karkhana Limited, M/s. Bilagi Sugars Limited, M/s. Harsha Sugars Limited, M/s. Mylar Sugars



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- Fuel Cost (Bagasse Price);
- Capital Cost;
- Plant Load Factor;

(iii) The Intervenor Nirani Sugars submitted before the APTEL that while passing the impugned order, the Commission had not considered their comments on Fuel Cost, Specific Fuel Consumption and auxiliary consumption. The reduced tariff has severely affected the day to day business of Nirani Sugars and Sai Priya Sugars. The Impugned order suffers from non-consideration of suggestions, non-application of mind to relevant factors, CERC Regulations, local factors etc.



  
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(iv) The Other Interveners have submitted that the Commission has disregarded all the submissions made by them and the impugned order has to be set aside being arbitrary and illogical causing severe financial prejudice and that they are challenging only the fuel cost/variable cost determined by the Commission. The order is challenged on the grounds that it has been passed in violation of principles of natural justice and the impugned order is arbitrary and unreasonable.

(v) After hearing the Appellants as well as the Respondents, the Hon'ble ATE passed orders on 02.08.2021, setting aside the impugned order of the Commission dated 14.05.2018 to the extent of Capital cost and Fuel Cost pertaining to bagasse based co-generation power plants. Further, the Hon'ble ATE remanded the matter back to the Commission, directing the Commission to pass consequential order, keeping in view the opinion expressed by the Hon'ble ATE in the judgement in accordance with law, within three months from the date of pronouncement of the Judgement.

3. The Commission issued notices to the Appellants and the Respondents on 06.08.2021 and subsequently held hearings through video conferencing on 13.08.2021, 19.08.2021, 09.09.2021, 20.09.2021 and 28.09.2021. The Submissions made by the Appellants and the Respondents are discussed in the subsequent paragraphs.



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4. The Appellant SISMA made the following submissions on 12.08.2021 in writing to the Commission:

(1) In the appeal, the Tariff Order dated 14.05.2018 passed by this Hon'ble Commission had been challenged. Though the challenge was on several issues, the Appellate Tribunal vide Judgment dated 02.08.2021 has set aside the Order on the following issues-

- (i) Determination of bagasse price
- (ii) Capital cost considered

(2) With regard to determination of bagasse price, the Appellate Tribunal has held that the principles and methodologies adopted by the Central Electricity Regulatory Commission (CERC) i.e. Equivalent Heat Value approach is logical and scientific and should be adopted for determination of bagasse price. Relevant extracts from the Judgment are as under –

"132. We are not impressed by the decision of the State Commission in deciding the price of bagasse as 30% of the cost of sugarcane on the basis of the fact that 1-tonne of sugarcane on crushing yields about 30% of bagasse. In our opinion, there is no relationship between the fact that the sugarcane on crushing yields about 30% of bagasse and, therefore, the price of bagasse should be 30% of the cost of sugarcane. This decision of the State Commission, therefore, needs to be rejected on the ground that there is no rationality or logic in establishing any correlation between the two i.e. the



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fact that sugarcane on yields 30% bagasse and the decision that in view of this fact the price of bagasse should be 30% of the cost of sugarcane.

"133. The Central Commission has adopted 'equivalent heat value approach' to determine the price of bagasse. The power generating stations are basically energy converters wherein one form of energy is converted to another form of energy i.e. electricity. In the case of cogeneration plants, the heat energy stored in the bagasse is converted to electricity. This process is similar to a coal fired generating station wherein the heat energy stored in the coal is converted to electricity. The Central Commission has determined the price of bagasse on the basis of heat energy stored in bagasse and comparing it with the price of coal. In view of this fact, the "equivalent heat value" approach adopted by the Central Commission in determination of the price of bagasse is scientific, logical and on a firm footing."

"134. Section 61 of the Electricity Act, 2003 reads as under:

"Section 61. (Tariff regulations): The Appropriate Commission shall, subject to the provisions of this Act, specify the terms and conditions for the determination of tariff, and in doing so, shall be guided by the following, namely: -

- (a) the principles and methodologies specified by the Central Commission for determination of the tariff applicable to generating companies and transmission licensees;
- (b) the generation, transmission, distribution and supply of electricity are conducted on commercial principles;



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- (c) the factors which would encourage competition, efficiency, economical use of the resources, good performance and optimum investments;
- (d) safeguarding of consumers' interest and at the same time, recovery of the cost of electricity in a reasonable manner;
- (e) the principles rewarding efficiency in performance;
- (f) multi-year tariff principles;
- (g) 1[(g) that the tariff progressively reflects the cost of supply of electricity and also, reduces cross subsidies in the manner specified by the Appropriate Commission;]
- (h) the promotion of co-generation and generation of electricity from renewable sources of energy;
- (i) the National Electricity Policy and tariff policy;

Provided that the terms and conditions for determination of tariff under the Electricity (Supply) Act, 1948, the Electricity Regulatory Commission Act, 1998 and the enactments specified in the Schedule as they stood immediately before the appointed date, shall continue to apply for a period of one year or until the terms and conditions for tariff are specified under this section, whichever is earlier."

135. We note the submission made by the Appellant that the State Commission has erred in not considering the principles and methodologies of the Central Commission, the methodologies adopted the State Commission itself in Tariff Orders of 2005, 2009 and 2015 and also the findings of this Tribunal in Appeal No. 199 of 2012. In the Order dated 04.09.2013 passed in Appeal No. 199 of 2012, this Tribunal has held as follows-



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"53. The State Commission is bound to be guided by the Central Commission principles and methodology having regard to the local condition in the State. Accordingly, the State Commission ought to have considered the equivalent heat value method and the market price of bagasse before deciding the price of bagasse.

55. It cannot be disputed that the State Commission ought to have determined the Fuel Price on the basis of equivalent heat value method with coal as available to the generating plants or on the basis of market price of Bagasse.

56. It is well known that Bagasse has several uses and that it is saleable in the open market. Even the CERC explanatory memorandum for the 2012 Regulations explicitly states so. If the Bagasse is not used by the Sugar Mills in the power generation, it would be sold and it will fetch revenue at the market price. That revenue which is foregone when the Bagasse is used for power generation is cost to the sugar mill and consequently it is the cost of the input for power generation."

The State Commission has erred in not following the above principle laid down by this Tribunal.

136. The State Commission has not followed the principles and methodologies of CERC as provided in Regulations 9 (3) of the KERC (Power Procurement from Renewable Sources by Distribution Licensee and Renewable Energy Certificate Framework) Regulations, 2011 and on the other hand misinterpreted the bagasse pricing mechanism of CERC RE Regulations, 2017, wherein the Central Commission has not differed from equivalent heat value method as was the earlier



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case in the CERC Regulations, 2009. Instead, the Central Commission has only dispensed with the option of earlier indexation method and adopted straight 5% for annual escalation on bagasse cost. The relevant extract from the CERC RE Regulations, 2017 is reproduced below –

"Analysis and Decision: The Commission has analysed the comments and observations submitted by stakeholders. Some stakeholders have proposed to increase the price of fuel cost. However, there are views that there should not be any provision for fuel cost for bagasse based co-generation plants as Bagasse is a by-product of sugarcane crushing while manufacturing sugar and this cost is already included by the State Governments in sugar pricing.

The Commission is of the view that fuel prices should be considered for Bagasse based cogeneration plant plants for the purpose of tariff determination. Accordingly, the Commission has retained the fuel prices specified in the Draft Regulations.

Year – on – year escalation shall be 5%, hence it is no more linked to a defined index. The clause on escalation has been modified accordingly."

137. In view of the above, we are of the considered opinion that the decision of the State Commission to determine the price of bagasse as 30% of the price of sugarcane on the basis of the fact that 1 tonne of sugarcane on crushing yields 30% of bagasse is erroneous, illogical and wrong and, therefore, needs to be rejected.



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138. We are also of the considered opinion that the principles and methodologies i.e. equivalent heat value approach adopted by the Central Commission in determining the price of bagasse is scientific and logical and State Commission should have been guided by the same while determining the price of bagasse."

(3) The Petitioner submitted that the CERC has derived the fuel prices from 2017-18 to 2021-22 by escalating the notified prices of first year of control period by 5%. For each subsequent year of the Tariff period, a normative escalation factor of 5% per annum. The calculations made by CERC are summarised in the following table –

State	Bagasse Price for FY 2017-18 (Rs./MT)	Bagasse Price for FY 2018-19 (Rs./MT)	Bagasse Price for FY 2019-20 (Rs./MT)	Bagasse Price for FY 2020-21 (Rs./MT)	Bagasse Price for FY 2021-22 (Rs./MT)
Andhra Pradesh	1622.16	1703.27	1788.43	1878	1971.90
Haryana	2307.26	2422.62	2543.75	2671	2804.55
Maharashtra	2273.75	2387.44	2506.81	2632	2763.60
Punjab	2030.49	2132.01	2238.62	2351	2468.55
Tamil Nadu	1747.51	1834.89	1926.63	2023	2124.15
Telangana	-	-	-	1877	1970.85
Uttar Pradesh	1809.57	1900.05	1995.05	2095	2199.75
Other States (including Karnataka)	1964.71	2062.95	2166.09	2274	2387.70
Reference	CERC RE Tariff Order, 2018-19 dated 28.03.2018- Page 3 (relevant page)		CERC RE Tariff Order, 2019-20 dated 19.03.2019- Page 11 (relevant page)	CERC RE Tariff Order, 2021-22 dated 31.03.2021- Page 23 (relevant page)	

The Petitioner submitted that the redetermination of bagasse may be done on the basis of prices indicated in above table. Bagasse price may



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be considered at the FRP fixed for year 2020-21 i.e., Rs.2850 per Tonne at the rate of 10% recovery, which would work out to Rs.2386 per Tonne.

(4) On the issue of Capital cost, the Appellate Tribunal has held as under:

"Para 140. The Central Commission in its Notification dated 17.04.2017, has considered the capital cost for bagasse based co-generation plant at Rs.492.50 lakhs / MW, for high pressure boilers for FY 2017-18. The increase in cost was held to be justified by the Central Commission for the reason of encouraging and ensuring deployment of high pressure boilers which are more efficient in nature. The Central Commission had revised the Capital cost after considering the comments of the stakeholders. One of the objectors was National Federation of Co-operative Sugar Factories Ltd., (NFC-SFL). NFC-SFL had proposed to the Central Commission to consider the capital cost at a minimum of Rs.543 lakhs / MW, since the economic size of the sugar plant is 5000 TCD, with a boiler pressure of 87 Kgs to 110 Kgs and above. It was also submitted that the prices of steel and other inputs have gone up significantly, subsequent to the DFPD's approval of the capital cost. The analysis of the Central Commission is recorded in the Statement of Reasons of the CERC (Terms and Conditions for Tariff determination from Renewable Energy Sources) Regulations, 2017 as under –



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"32.2. National Federation of Co-operative Sugar Factories Ltd. (NFC SFL) has proposed to consider Capital Cost at a minimum of Rs.543 Lakhs / MW. They have highlighted that an economic size of sugar plant is of 5000 TCD, with a boiler pressure of 87 Kg to 110 Kg / cm<sup>2</sup> and even more in some cases. Prices of steel and other inputs have increased over the years, because of which the cost of high-pressure boilers has also gone up. This normative cost of Rs.543 Lakhs / MW has been fixed by Government of India for the purpose of funding from Sugar Development Fund and this cost has been arrived after making exhaustive study.

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**Analysis and Decision:**

The Commission has analysed the comments and observation submitted by the stakeholders. The comments above highlight that actual capital cost for Bagasse based cogeneration projects is on the higher side as considered in the Draft Regulations. The commission has also analysed the data on normative cost from Sugar Development Fund (Ministry of Consumer Affairs, Food & PD);

Boiler Pressure (ata)	Normative Cost (Rs. Lakhs / MW)
Below 67	Not eligible
67 to 86	385.00
87 to 109	442.00
110 and above	543.00



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Averaging the normative cost for High Boiler Pressure Projects (above 87 APA), it yields a value of Rs.492.5 Lakhs / MW. Thus, the Commission has decided to revise the Capital cost for Bagasse based cogeneration projects to Rs.492.5 Lakhs / MW for High Pressure Boilers for FY2017-18. Higher capital cost is provided to encourage and ensure deployment of high pressure boilers which are more efficient in nature. This capital cost will remain valid for the entire duration of the control period unless reviewed earlier by the Commission.

141.we are convinced by the analysis and the decision of the Central Commission and are of the opinion that the State Commission should have considered the same capital cost of bagasse based cogeneration plants i.e. Rs.492.5 lakhs /MW."

- (5) In terms of the above capital cost needs to be taken as Rs.492.5 lakhs / MW as against Rs.470 lakhs / MW taken by this Hon'ble Commission in the Order dated 14.05.2018.
- (6) Therefore, it is requested that the tariff needs to be re-worked for the period FY2018-19, FY2019-20 & FY2020-21 taking into account the above CERC bagasse price and the capital cost.

5. The Respondent BESCOM filed the Statement of Objections on 20.09.2021 stating that:



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- (i) The Petitioner had filed Appeal No 229 of 2018 before the Appellate Tribunal for Electricity, (hereinafter referred to as "APTEL") challenging the order of this Hon'ble Commission dated 14.05.2018 wherein the tariff for bagasse based co-generation plant was determined. The Hon'ble APTEL vide judgement dated 02.08.2021 has remanded the matter to this Hon'ble Commission in respect to determination of fuel cost and capital cost. In respect to fuel cost, the APTEL was of the view that the equivalent heat value approach adopted by the Central Commission in determining the price of bagasse is scientific and logical and this Hon'ble Commission ought to be guided by the said principle while determining the price of bagasse.
- (ii) Rule 49 of CERC (Terms and Conditions for Tariff determination from Renewable Energy Sources) Regulations, 2017 states that base price of Bagasse for first year of the Control Period (i.e. FY2017-18) shall be as specified in the table below and shall be escalated at 5% to arrive at the base price for subsequent years of the Control Period. For the purpose of determining the levelized tariff a normative escalation factor of 5% per annum shall be applicable on bagasse prices.

State	Bagasse Price (FY 2017-18) (Rs./ MT)
Andhra Pradesh	1622.16
Haryana	2307.26
Maharashtra	2273.75
Punjab	2030.49
Tamil Nadu	1747.51
Uttar Pradesh	1809.57
Other States	1964.7



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- (iii) It is submitted that above mentioned Regulation has not determined the base bagasse price for Karnataka specifically for the FY2017-18. The Hon'ble APTEL has directed to adopt equivalent heat value method dispensing with the earlier indexation method and adopt straight 5% for annual escalation on bagasse cost.
- (iv) It is pertinent to note that CERC in para 8.9 of the *Explanatory Memorandum for Terms and Conditions for determination of tariff for Renewable Energy Source Regulation, 2009* has stated that determination of price of bagasse is performed on equivalent heat value of coal approach. Under this approach, the price and calorific value of coal used by the thermal generating stations within the State has been considered in order to determine the fuel price linked to heat content (in terms of Rs./k.cal) at each station.
- (v) The CERC vide Regulation 48 has approved gross calorific value as 2250 k.cal / kg and vide Regulation 47 has approved station heat rate as 3600 k.cal / kWh. Thus, specific fuel consumption is 1.60 kg / kWh, which is approved by this Commission and upheld by APTEL vide orders dated 14.05.2018 and 02.08.2021 respectively.



  
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(vi) The CERC in para 53.2 of the *Explanatory Memorandum for Terms and Conditions for determination of tariff for Renewable Energy Source Regulation, 2009* has specified as under;

*"The commission would like to clarify that in order to compute the fuel price of bagasse for respective States the commission has adopted an equivalent heat value approach for landed cost of coal for thermal stations for respective States"*

(vii) It is submitted that this Commission in the Generic Tariff Order dated 14.05.2018 has considered 2300 k.cal/kg as Gross calorific value of the bagasse based cogeneration units instead of 2250 k.cal/kg approved by CERC. It is submitted that as per the information obtained from KPCL state owned generating station, base rate for the different grades of coal being received by the plant is produced as Annexure R1 (Colly).

(viii) It is submitted that KPCL is procuring coal from Mahanadi Coalfields Ltd (MCC), Western Coalfields Ltd (WCL) and Singareni Collieries Company Ltd (SCC). It is submitted that thermal stations of KPCL such as RTPS, BTPS and YTPS are using coal ranging between Grade 8 to 13 with GCV ranging between 3400 k.cal/kg to 5200 k.cal/kg. The GCV of Grade 17 coal is ranging between 2201 to 2500 k.cal/kg. But GCV of 2300 k.cal/kmkg considered by this Commission is upheld by APTEL.

(ix) In case of Cogeneration plants coming under Renewable energy category are permitted to use 15% of coal and 85% bagasse or biomass.



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Hence, entire fuel components such as GCV, heat rate etc. of coal seems to be not applicable. It should be the combination of both coal and bagasse. As such the Hon'ble APTEL has directed adoption of equivalent heat value method which is based on scientific method.

- (x) Apart from the base fuel cost, generators have to incur additional cost transportation. In case of a State generator like KPCL it is submitted that the coal is sourced from SCCL, WCL & MCL. The cost of the transportation is ranging from Rs.1200/- to Rs.1400/- per MT in case of SCCL, Rs.1400 to Rs.1700 per MT in case of WCL and Rs.1700/- to Rs.1900/- per MT in case of MCL. Other costs which are likely to be incurred by agency etc., & these costs are not relevant as the bagasse based Co-generation plant use only 15% of coal under RE and balance is bagasse. The sugarcane is purchased for sugar manufacturing and after crushing it is used as bagasse in Co-generation units. The sugarcane is available within State and not procured from other States as KPCL procures coal from coal mines in other States incurring huge coal transportation cost. Therefore, cost of transportation cannot form part of computation.
- (xi) Hence, this Commission is requested to consider appropriate fuel cost of bagasse clubbed with 15% of coal cost without linking it to entire 100% coal cost of State Thermal Stations and determine the tariff of Co-gen plant for 2018-19 to 2020-21 duly adopting equivalent heat value method



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scientifically for calculation of fuel cost while arriving variable cost and fixed cost as directed by the APTEL.

6. In response to the Statement of Objection filed by BESCOM, the Petitioner has filed rejoinder and made the following submission that:

(i) The primary objection taken by BESCOM is that since the Central Electricity Regulatory Commission (hereinafter referred to as the 'Central Commission') in its various tariff Orders determining the Bagasse price has included Karnataka in "Other States", there is no specific Bagasse price determination made by the Central Commission. This objection is wrong and seeks to interpret not just the Appellate Tribunal's Judgement dated 02/08/2021 but also the determination made by the Central Commission. The fact that while for some states there is a specific number while for Karnataka the determination is at Rs.1964.7/MT (FY2017-18) as a part of Other States does not detract from the fact that the Central Commission following the equivalent heat value approach has determined the Bagasse price at Rs.2307.26/MT.

(ii) Since, there is a clear finding in the Judgement dated 02/08/2021 that the Central Commission's methodology needs to be adopted, the number arrived by at Central Commission by following the said methodology is the best evidence to be followed by this Commission.



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- (iii) BESCOM has also relied on the rates for different grades of coal being received by the thermal generating plants set up by State owned KPCL. BESCOM has used the GCV of Rs.2300 k.cal/ kg decided by this Commission in the original tariff Order dated 14/05/2014 has been upheld by the Appellate Tribunal, the equivalent heat value method should be followed taking 85% of bagasse and 15% of coal. This approach is completely erroneous. It is not for this Commission to consider the specific fuel mix used by particular generators, GCV of such fuels and the general GCV of coals being received by KPCL to determine the bagasse price. This would be totally overreaching the Orders passed by the Appellate Tribunal.
- (iv) It is further submitted that the Hon'ble ATE has rejected the basis of determination of price of bagasse done by KERC in its order dated 14.05.2018 and opined that the principles and methodology adopted by Central Commission in determining the price of bagasse is scientific and logical and State Commission should have been guided the same while determining the price of bagasse. Therefore, there is no question of giving new methodology for computation of bagasse price.
- (v) There are also specific findings at paras 133-135 of the above judgment that this Commission should have followed the Principles and methodologies provided under Section 61 of Electricity Act,2003 and



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should have followed the principles and methodology of the Central Commission. By following of such methodology, when the Central Commission has determined the bagasse price from 2017-18 to 2021-22, how can the BESCOM argue that such determination should be ignored and equivalent heat value method in a new form should be followed by this Commission.

(vi) The last issue raised by BESCOM is that State generators like KPCL have to incur transportation cost for coal unlike bagasse which is purchased from local sources. This is an erroneous submission. Sugarcane is purchased from the farmers and is transported by incurring substantial cost like transportation of cane from field to factory (i.e 100 km).

7. We have heard the arguments and the submissions made by the learned counsels for the parties. From the facts of the case and the submissions made by the parties, the following issues would arise, for our consideration:

**Issue No.1:** What Capital cost has to be considered for determination of tariff?

**Issue No.2:** What Fuel cost has to be considered for determination of tariff?

**Issue No.3:** What Other Parameters have to be considered for determination of tariff?

**Issue No. 4:** What should be the tariff for the Bagasse based co-generation power plants for the control period FY19 to FY21?

**Issue No. 5:** What Order?



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After considering the submissions of the parties and the pleadings and material on record, our findings on the above issues are as follows:

8. **Issue No.1:** What Capital cost has to be considered for determination of tariff?

Regarding the Capital Cost, The Hon'ble ATE, has elaborately discussed and decided at Paras 139 to 141 of the Order and the Para 141, is reproduced as here under:

"141. We are convinced by the analysis and the decision of the Central Commission and are of the opinion that the State Commission should have considered the same capital cost of bagasse based cogeneration plants i.e. Rs.492.50 lakhs MW."

In view of the above decision of the Hon'ble ATE, the Commission decides to allow the Capital Cost of Rs.492.50 lakhs per MW for the entire control period FY-19 to FY-21, without any escalation.

Therefore, the Commission decides to adopt a Capital cost of Rs.4.925 Crores /MW including infrastructure cost of evacuation, for the entire control period, without any indexation.

Thus, the Issue No.1 is answered accordingly.

9. **Issue No.2:** What Fuel cost has to be considered for determination of tariff?

While the Appellant has contended that, CERC while determining the fuel cost has arrived at specific fuel cost for some states and for Karnataka the



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determination is at Rs.1964.71/MT (FY 2017-18) as classified under Other States, the Respondent has contended that there is no specific Bagasse price determination has been made by the Central Commission for Karnataka.

Further, the Respondent has contended that the State generators like KPCL have to incur transportation cost for coal unlike bagasse which is purchased from local sources. On the contrary, the Petitioner has submitted that, Sugarcane is purchased from the farmers and is transported by incurring substantial cost like transportation of cane from field far off from the factory (i.e around 100km).

The Commission notes that the Hon'ble ATE on the fuel cost has discussed in detail at Paras 130 to 138 and at Paras 137 and 138 and has decided as indicated below:

"137. In view of the above, we are of the considered opinion that the decision of the State Commission to determine the price of bagasse as 30% of the price of sugarcane on the basis of the fact that 1 tonne of sugarcane on crushing yields 30% of bagasse is erroneous, illogical and wrong and, therefore, needs to be rejected.

138. We are also of the considered opinion that the principles and methodologies i.e. equivalent heat value approach adopted by the Central Commission in determining the price of bagasse is scientific and logical and State Commission should



  
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have been guided by the same while determining the price of bagasse."

The Hon'ble ATE has directed the Commission to adopt the methodology of 'equivalent heat value approach' to determine the price of bagasse.

Further, Regulation 84 of the CERC (Terms and Conditions for Tariff determination from Renewable Energy Sources) Regulation, 2017 specify as follows:

"84. Deviation from norms

Tariff for sale of electricity generated from a generating station based on renewable energy sources, may also be agreed between a generating company and licensee, in deviation from the norms specified in these regulations subject to the conditions that the levellised tariff over the useful life of the project on the basis of the norms in deviation does not exceed the levellised tariff calculated on the basis of the norms specified in these regulations."

Therefore, the Commission is of the view that considering the average price of coal applicable for the Karnataka State, it can determine the price of bagasse. Even though the Commission has obtained the annual coal data, verification, validation and analysis of data has to be carried out station-wise and month-wise for the power procured from various thermal power plants by the State DISCOMs based on records, which is voluminous and time consuming and needs to be carried out through a



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third party. As the Hon'ble ATE has directed this Commission to pass orders within three months from the date of judgement and as it would take considerable time to verify, validate and analyze the coal consumption and costs for the various stations, the Commission for the purpose of this order decides to adopt the CERC determined fuel price of Rs.1964.70/MT for FY18. The Petitioner SISMA has also requested the Commission to adopt the fuel price for cogeneration plants as determined by CERC for 'Other States'. Therefore, with 5% escalation per annum the fuel cost for FY19, FY20 & FY21 will be Rs.2063, Rs.2166 and Rs.2275 respectively, after rounding off, which is considered in determining the tariff.

Regarding, the issue of transportation cost raised by the Respondent BESCOM, the Commission notes that the CERC has considered the landed cost of coal to arrive at bagasse price based on 'equivalent heat value approach'. Hence, the above issue raised by Respondent is answered accordingly.

Thus, the Issue No.2 is answered accordingly.

**10. Issue No.3:** What Other Parameters must be considered for determination of tariff?

The Petitioner had also raised issues pertaining to plant load factor, specific fuel consumption and auxiliary consumption before the Hon'ble ATE. The Hon'ble ATE at Para 142 of the Order has decided as under:



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"142. We have gone through the analysis done by the State Commission regarding the other aspects i.e. Plant Load Factor, Specific Fuel Consumption and Auxiliary Consumption and are of the opinion that the impugned order dated 14.05.2018 regarding the decision on these aspects is in order and do not call for any interference of this Tribunal."

In view of the above, the Commission decides to retain the other parameters as per the impugned order of Commission dated 14.05.2018 which are given below in Issue No.4.

**11. Issue No. 4:** What should be tariff for the Bagasse based co-generation power plants for the period FY19 to FY21?

In the light of the above discussions and considering the approved parameters, the Commission hereby determines the tariff in respect of Bagasse based Co-Generation Power Plants for control period FY19 to FY21 as follows:

Parameter	Bagasse based Co-generation Power Plants
1	2
Debt: Equity	70:30
RoE	14%
Income Tax on RoE	Pass through as per actuals
Interest on term loan	10.50%
Depreciation	5.38% for first 13 years and balance spread equally over the life of the plant
Interest on WC	11.50%
Capital Cost[CC] -Rs.Crs./MW	4.925
O & M as percentage of CC for base year	3.0%
O & M annual escalation	5.72%
PLF	60%
Auxiliary	8.50%



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Parameter	Bagasse based Co-generation Power Plants
1	2
Specific Fuel consumption- Kg/kWh	1.60
Fuel Cost-Rs./MT-Base year FY-18	1964.70
Fuel Cost escalation / Annum.	5.0%
Discount Factor (WACC)	11.55%
Tariff	Fixed cost- Levelized for life of the Projects: Rs.1.89/unit  Variable cost [Rs/Unit] applicable to the relevant year:  FY19: Rs.3.61 FY20: Rs.3.79 FY21: Rs.3.98

12. **Issue No. 5:** What Order?

For the foregoing reasons, we pass the following:

**ORDER**

- a) The tariff for the control period FY19 to FY21 for the co-generation power plants shall be as indicated below:

Tariff	Fixed cost- Levelized for life of the Projects: Rs.1.89/unit  Variable cost [Rs/Unit] applicable to the relevant year:  FY19: Rs.3.61 FY20: Rs.3.79 FY21: Rs.3.98
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- b) The concerned ESCOM, shall pay the difference in tariff (i.e., the difference in tariff as determined in this order and the payment made as per impugned order) for the control period FY19 to FY21, to the co-generators who have entered into PPA as per the Generic Tariff determined by the Commission in the impugned order dated 14.05.2018, in six equal installments.
- c) The date of effect of the order and applicability and all other terms and conditions, shall be the same as decided in the impugned order dated 14.05.2018.

sd/-

(SHAMBHU DAYAL MEENA)  
Chairman

sd/-

(H.M.MANJUNATHA)  
Member

sd/-

(M.D.RAVI)  
Member



ATTES

NOTARY

CONTROLLER (ABD)  
HESCOM, HUBLI.