

Preliminary Observations on the Applications filed by the GESCOM for approval of APR for FY21 and ARR for FY23-FY25 & Retail Supply Tariff for FY23 under MYT Framework

A. Annual Performance Review for FY21

1. Sales Other than IP sets for FY21:

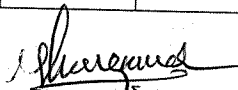
a. General Observations:

i. D-2 Format for FY21 shall be furnished.

GESCOM Reply:

The D-2 Format is submitted in the soft copy of Tariff petition for FY-21. However it is indicated as below:

Sl. No	Category	Consumer Category Particulars	Actual				
			year (20-21)				
			Midyear installations	End year installations	Energy Sold (MU)	Revenue (Rs Crs)	ARR (P/u)
A : LT Category - Revenue as per Tariff Order							
1	LT 2 (a)	All Electric Homes (AEH)	1857656	1885548	1305.88	803.49	6.15
2	LT 2 (b)	Private Professional educational institutions	5297	5338	9.56	9.19	9.61
3	LT 3	Commercial and Non Industrial Light and Fan	291751	298803	329.91	338.39	10.26
4	LT 4 (b)	Irrigation Pump sets (> 10 HP)	2297	2298	3.29	2.13	6.47
5	LT 4 (c)	Private Horticulture Nurseries	458	478	1.43	1.14	7.97
6	LT 5	Industrial Heating & Motive power	67491	68746	176.66	145.48	8.24
7	LT 6(a)	Water Supply - Urban & Rural	25966	28071	399.04	234.01	5.86
8	LT 6(b)	Public Lighting - Urban & Rural	13383	15479	206.48	130.60	6.33
9	LT 7	Temporary Power Supply	35683	39347	20.87	36.95	17.70
B : LT Category - Revenue as per Subsidy Allocation of Government							
10	LT 1 (a)	Bhagya Jyoti/ Kutira Jyoti	597675	597675	256.61	190.17	7.41
11	LT 4 (a)	Irrigation Pump sets (< 10 HP)	403870	407519	3041.47	1869.75	6.15
C	LT Total		3301527	3349302	5751.20	3761.30	6.54
12	HT 1	Public Water Supply and Sewage Pumping	163	167	122.38	79.95	6.53
13	HT 2 a	Industrial , Non- industrial & Non-commercial Purposes	1743	1778	911.29	881.78	9.68
14	HT 2 b	Commercial	421	434	57.75	63.02	10.91
15	HT 2 c	Govt. hospital & charitable institution	218	228	23.85	24.69	10.35
16	HT 3	Irrigation & Agricultural farms, LI Societies	429	431	105.06	43.80	4.17
17	HT 4	Private Residential Apartments	43	44	15.21	11.19	7.36
18	HT 5	Temporary Power Supply – HT	47	46	15.51	18.97	12.23
D	HT TOTAL	HT Total	3064	3128	1251.05	1123.40	8.98
E	TOTAL	Total (LT+HT)	3304591	3352430	7002.25	4884.70	6.98
17	II	Efficiency Improvement					
18	III	MUSS Consumption & UBR					


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19	IV	Accounting of the True up exercise on accrual basis for FY 08, 09 & 10 as per Tariff order 2010 and KERC Order Dated 6/1/11					
20	V	Misc. Charges from Consumers					
	1	Fuse of calls					
	2	Reconnection Fee					
	3	Public lighting maintenance charges					
	4	Service connection charges					
	5	Delayed payment charges				177.91	
	6	Other receipts				17.51	
	7	Inter State Sale of Energy (IEX)			212.01	104.98	4.95
		Total of IV	0.00	0.00	212.01	300.40	14.17
F	V	Gross Revenue from Sale of Power (I+II+III+IV)	3304591	3352430	7214.26	5185.10	7.19
G	VI	LESS:					
	1	Withdrawal of Revenue				6.3	
	2	Other State levies payable (Contra)					
		Total of VI	0		0.00	6.30	
H	VII	Rural Rebate					
I	VIII	Add : Regulatory Assets Accounted provisionally					
J	IX	Total (V-Vi)	3304591	3352430	7214.26	5178.80	7.18

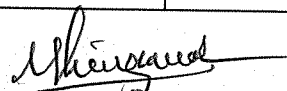
Hon'ble commission may kindly consider D-2 as per above.

- i. The BJ/KJ number of installations and sales indicated for less than or equal to 40 units and for installations consuming more than 40 units needs to be interchanged in Table 46.

GESCOM Reply:

The revised table number 46 duly corrected & represented as below:

Category	Sales for FY-21 in MU			No. of installation FY-21		
	Approved As per Tariff Order 2020	Actuals	Diff	Approved As per Tariff Order 2020	Actuals	Diff
BJ/KJ-More than 40 units	6.97	6.26	-0.71	7865	7768	-97
LT-2a	1260.26	1305.87	45.61	1877023	1885548	8525
LT-2b	16.65	9.56	-7.09	5740	5338	-402
LT-3	376.74	329.91	-46.83	306372	298803	-7569
LT-4 (b)	10.94	3.29	-7.65	2335	2298	-37
LT-4 (c)	1.25	1.43	0.18	511	478	-33
LT-5	180.23	176.66	-3.57	70140	68746	-1394
LT-6 WS	446.99	399.04	-47.95	29210	28071	-1139
LT-6STL	284.9	206.48	-78.42	13222	15479	2257
LT-7	27.12	20.87	-6.25	37443	39347	1904
HT-1	130.51	122.38	-8.13	161	167	6
HT-2 (a)	1227.88	911.29	-316.59	1741	1778	37
HT-2 (b)	81.15	57.75	-23.4	434	434	0
HT2C	38.74	23.85	-14.89	282	228	-54
HT-3(a)& (b)	124.75	105.05	-19.7	456	431	-25
HT-4	15.29	15.21	-0.08	34	44	10
HT-5	12.78	15.51	2.73	33	46	13
Sub-Total other than BJ/KJ and IP sets	4243.15	3710.41	-532.74	2353002	2355004	2002


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<i>BJ/KJ-Upto 40 Units</i>	<i>237.95</i>	<i>250.36</i>	<i>12.41</i>	<i>589810</i>	<i>589907</i>	<i>97</i>
<i>IP</i>	<i>3165.94</i>	<i>3041.47</i>	<i>-124.47</i>	<i>402324</i>	<i>407519</i>	<i>5195</i>
<i>Sub-Total BJ/KJ and IP sets</i>	<i>3403.89</i>	<i>3291.83</i>	<i>-112.06</i>	<i>992134</i>	<i>997426</i>	<i>5292</i>
<i>Total</i>	<i>7647.04</i>	<i>7002.24</i>	<i>-644.8</i>	<i>3345136</i>	<i>3352430</i>	<i>7294</i>

Hon'ble commission may kindly consider the as per above.

- ii. At page-99, it is stated that sales to LT categories has increased by 26.79MU and that the sales to HT category has decreased by 194.68MU. The Commission notes that there is a reduction of 264.73MU in LT categories and 380.06 MU in HT categories. This shall be rectified.

GESCOM Reply:

Energy sales as compared to previous year sales, in LT category there is increase of 12.75 Mu's Overall & In HT category there is decrease of 194.67 Mu's

As Energy Sales compared to Commission Approved figures for FY-21 there is reduction of 264.73 Mu's in LT category and 380.06 MU in HT categories.

<i>Category</i>	<i>Approved in Tariff order 2020</i>	<i>Actual FY-20</i>	<i>Actual FY-21</i>	<i>Difference over FY-20</i>	<i>Difference of Actuals FY-21 compared to Approved FY-21</i>
<i>LT</i>	<i>6015.93</i>	<i>5738.45</i>	<i>5751.2</i>	<i>12.75</i>	<i>-264.73</i>
<i>HT</i>	<i>1631.1</i>	<i>1445.72</i>	<i>1251.05</i>	<i>-194.67</i>	<i>-380.05</i>
<i>Total</i>	<i>7647.03</i>	<i>7184.17</i>	<i>7002.25</i>	<i>-181.92</i>	<i>-644.78</i>

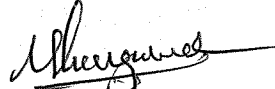
Hon'ble commission may kindly consider the as per above.

b. Observations on Sales for FY21- Other than IP sets:

The Commission, in its Tariff Order 2020 dated 04.11.2020, had approved total sales to various consumer categories at 7647.04MU, as against the GESCOM's proposal of 7766.75 MU. The actual sales of GESCOM as per the current APR filing [D-2 FORMAT] is 7002.24 MU indicating decrease in sales to the extent of 644.80 MU with respect to the approved sales.

The category wise sales approved by Commission and the actuals for FY 21 are indicated in the table below:

Energy Sales in MU			
Category	Approved	Actuals	Difference (Actuals Approved)
(1)	(2)	(3)	(4)=(3)-(2)
BJ/KJ consuming more than 40 units/month	6.96	6.26	-0.70
LT-2a	1260.26	1305.87	45.61
LT-2b	16.65	9.56	-7.09
LT-3	376.74	329.91	-46.83


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LT-4b	10.94	3.29	-7.65
LT-4c	1.25	1.43	0.18
LT-5	180.23	176.66	-3.57
LT-6 WS	446.99	399.04	-47.95
LT-6 SL	284.90	206.48	-78.42
LT-7	27.12	20.87	-6.25
HT-1	130.51	122.38	-8.13
HT-2a	1227.88	911.29	-316.59
HT-2b	81.15	57.75	-23.40
HT-2c	38.74	23.85	-14.89
HT-3a & b	124.75	105.05	-19.70
HT-4	15.29	15.21	-0.08
HT-5	12.78	15.51	2.73
Sub total	4243.15	3710.41	-532.74
BJ/KJ consuming upto 40 units/month	237.95	250.36	12.41
IP Sets	3165.94	3041.47	-124.47
Sub total	3403.89	3291.83	-112.06
Grand total	7647.04	7002.24	-644.80

The Commission notes that excluding LT1 (BJ/KJ consuming up to 40 units/month), LT2a, LT4c and HT5 categories, in all other categories the sales has reduced. The major categories contributing to the reduction in sales with respect to the estimates are LT3, LT6, LT4a, HT2a, HT2b, HT2c and HT3.

GESCOM has attributed the reduction in sales in HT categories to Covid-19 which is noted by the Commission. The Commission also notes that the sales in domestic category has increased probably due to work from home and use of gadgets owing to covid-19 lockdown.

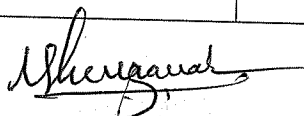
- ii. GESCOM shall furnish the following information to further validate the sales: In order to analyse HT sales, GESCOM shall furnish the data of sales to HT2(a), HT2(b), HT-2c and HT-4 categories along with the consumption from open access / wheeling for the years 2019-20 and 2020-21 in the following format:

HT2A

Year	Sales by GESCOM	Energy procured by HT Consumers under open access / wheeling	Total of GESCOM Sales & OA/ Wheeling Consumption	% share of OA energy to Total Energy
2019-20				
2020-2021				

HT2B

Year	Sales by GESCOM	Energy procured by HT Consumers under open access / wheeling	Total of GESCOM Sales & OA/Wheeling consumption	% share of OA energy to Total Energy
2019-20				
2020-2021				


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HT2C

Year	Sales by GESCOM	Energy procured by HT Consumers under open access / wheeling	Total of GESCOM Sales & OA/Wheeling Consumption	% share of OA energy to Total Energy
2019-20				
2020-2021				

HT4

Year	Sales by GESCOM	Energy procured by HT Consumers under open access / wheeling	Total of GESCOM Sales & OA/Wheeling Consumption	% share of OA energy to Total Energy
2019-20				
2020-2021				

GESCOM Reply :

The details of consumption of open access and total sales of GESCOM is indicated as below :

HT2A

Year	Sales by GESCOM	Energy procured by HT Consumers under open access / wheeling	Total of GESCOM Sales & OA/ Wheeling consumption	% share of OA energy to Total Energy
2019-20	1088.82	628.211	1717.031	36.587
2020-2021	911.29	729.479	1640.769	44.460

HT2B

Year	Sales by GESCOM	Energy procured by HT Consumers under open access / wheeling	Total of GESCOM Sales & OA/Wheeling consumption	% share of OA energy to Total Energy
2019-20	75.87	0.92	76.79	1.198
2020-2021	57.75	0.536	58.286	0.920

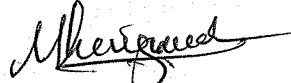
HT2C

Year	Sales by GESCOM	Energy procured by HT Consumers under open access / Wheeling	Total of GESCOM Sales & OA/Wheeling Consumption	% share of OA energy to Total Energy
2019-20	29.65	0		
2020-2021	23.85	0		

HT4

Year	Sales by GESCOM	Energy procured by HT Consumers under open access / wheeling	Total of GESCOM Sales & OA/Wheeling Consumption	% share of OA energy to Total Energy
2019-20	14.75	0		
2020-2021	15.21	0		

- iii. The breakup of BJ/KJ installations consuming less than or equal 40 units and above 40 units shall be furnished for FY22 and FY-23 to FY 25, in the following format:


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Particulars	No. of Installations	Consumption in MU
Installations Consuming less than or equal to 40 Units		
Installations consuming more than 40 units and billed under LT 2a		

GESCOM Reply:

The breakup of Less than or equal to 40 Units & more than is indicated in the below table:

Particulars	For FY-22		For FY-23		For FY-24		For FY-25	
	No. of Installations	Consumption in MU	No. of Installations	Consumption in MU	No. of Installations	Consumption in MU	No. of Installations	Consumption in MU
Installations Consuming less than or equal to 40 Units	589178	247.74	589007	250.29	588833	250.17	588655	250.03
Installations consuming more than 40 units and billed under LT 2a	8497	8.88	8668	6.32	8842	6.45	9020	6.57

Hon'ble commission may kindly consider the as per above.

2. Sales to IP Sets for FY21:

- a. GESCOM has not submitted the signed copies of the calculation sheet and the abstract for FY21 and FY22 up to September 2021 as per the format prescribed by the KERC. GESCOM has not even submitted the soft copy of the calculation sheets substantiating its claim of sales in respect of IP sets.

GESCOM Reply :

The Analyses / Calculation Sheet of IP Sets for FY-21 is already submitted through email on dated 15.12.2021 and FY-22 upto Sept-21 is enclosed as Annexure-A(2)(a).

GESCOM requests to Hon'ble Commission may kindly consider as per Annexure enclosed and email dated 15.12.2021.

- b. GESCOM has not submitted the D2 format for FY21 in its tariff filing.

GESCOM Reply :

The D-2 Format for FY-21 is represented as below:

Sl. No	Category	Consumer Category Particulars	Actuals				
			year (20-21)				
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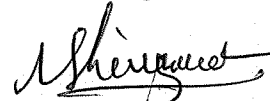

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		Total of VI	0		0.00	6.30	
H	VII	Rural Rebate					
I	VIII	Add : Regulatory Assets Accounted provisionally					
J	IX	Total (V-Vi)	3304591	3352430	7214.26	5178.80	7.18

Hon'ble commission may kindly consider D-2 format as per above table

- c. The Commission, in the APR for FY20, vide its Tariff Order 2021 has approved the total sales to IP sets as 3,054 MU with a specific consumption of 7,823.51 unit per IP set per annum for FY20 for 3,99,627 number of installations.

GESCOM in its current filing has indicated the sales to IP sets as 3,041.47 MU for FY21 for 4,07,519 number of IP installations. The specific consumption works out to 7,536.36 for a mid-year installation of 4,03,573 $[(399627 + 407519) / 2]$ units per IP set per annum.


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GESCOM has mentioned the specific consumption as 7,463.38 units per IP set per annum without considering the mid-year installations. The Commission notes that there is a decrease in the specific consumption by 287.15 units per IP set per annum for FY21 as compared to FY20 actuals. The reasons for the decrease in the specific consumption for FY21 needs to be explained, when there is an increase in number of consumers by 7,892 (407519 - 399627) and decrease in sales by 12.53 MU.

GESCOM Reply:

Reason for decrease in Specific consumption is attributed to excessive rainfall and areas affected by floods / back water in river area & standing waters in the flat fields during FY21.

The comparison of division wise sales and installations and specific consumption is indicated below:

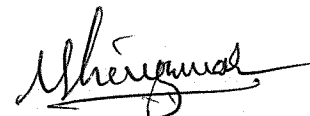
Sl No	Division	FY-20		FY-21		Difference in installation	Difference in sales
		No. of Installations	Sales In Mus	No. of Installations	Sales In Mus		
1	2	3	4	6	7	9=6-3	10=7-4
1	Gulbarga Urban	97	0.11	97	0.17	0	0.06
2	Gulbarga 1	51103	237.46	51984	258.16	881	20.70
3	Gulbarga 2	15606	103.46	16640	109.08	1034	5.62
4	Sedam	10544	91.39	10868	90.24	324	-1.15
5	Yadgir	34407	333.38	35982	341.44	1575	8.06
6	Bidar	41448	201.93	41735	175.82	287	-26.11
7	Humnabad	40260	163.09	40456	147.93	196	-15.16
8	Ballary Urban	302	5.67	302	5.67	0	0.00
9	Ballary Rural	35781	275.71	36585	250.97	804	-24.74
10	Hospet Urban	494	2.33	494	2.46	0	0.13
11	Hospet Rural	50893	429.66	51690	468.13	797	38.47
12	Raichur Urban	398	8.58	398	8.58	0	0.00
13	Raichur Rural	31350	356.77	31547	361.37	197	4.60
14	Sindhanur	23860	219.92	24805	218.75	945	-1.17
15	Koppal	34655	325.15	35077	311.96	422	-13.19
16	Gangavathi	28429	299.39	28859	290.72	430	-8.67
	Total	399627	3054	407519	3041.47	7892	-12.53
	Difference in Specific Consumption of FY-21 Compared to previous year FY-20		7642.13			7463.38	-178.74

The per IP Set consumption is arrived consider the end year Sales divided by installations that works out to 7463.39 Units Per IP Set Per year.

It can be seen that in the Sedam, Yadgir, Bidar, Humnabad, Ballary Rural, Sindhanur, koppal, Gangavathi in these 9 O&M divisions there is decrease in IP Set consumption.

Hon'ble commission may kindly consider same.

- d. The details of sales to IP sets for FY21 as approved by the Commission in its Tariff Order 2020 and the actual sales as furnished by GESCOM in its Tariff Filing for FY22 are as follows;



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Particulars	As approved by the Commission in ARR for FY21 in TO	As submitted by GESCOM for APR of FY20 in the TF
Number of installations	4,02,324	4,07,519
Mid-year number of installations	3,98,380	4,03,573 (Commission calculated value)
Specific consumption in units / installation / annum	7,947	7,536.36 (Commission calculated value)
Sales in MU	3,165.94	3,041.47

- e. GESCOM has to furnish the reasons for, decrease in specific consumption by 410.64 units / installation / annum even when there is an increase in installations by 5,195 and decrease in sales by 124.47 MU when compared to the approved figures.

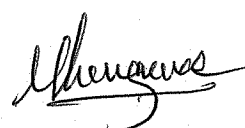
GESCOM Reply:

The Actual drop in specific consumption 483.61 units/ Installation/annum & there is increase in installation by 5195 compared to commission approved figures. Reason for decrease in Specific consumption may be attributed to excessive rainfall and areas affected by floods /standing waters in the field during FY21

The following is the comparison table showing drop in consumption for FY-21.

Sl No	Division	FY-20		FY-21		Difference in installation 9=6-3	Difference in sales 10=7-4
		No. of Installations	Sales In Mus	No. of Installations	Sales In Mus		
1	2	3	4	6	7		
1	Gulbarga Urban	97	0.11	97	0.17	0	0.06
2	Gulbarga 1	51103	237.46	51984	258.16	881	20.70
3	Gulbarga 2	15606	103.46	16640	109.08	1034	5.62
4	Sedam	10544	91.39	10868	90.24	324	-1.15
5	Yadgir	34407	333.38	35982	341.44	1575	8.06
6	Bidar	41448	201.93	41735	175.82	287	-26.11
7	Humnabad	40260	163.09	40456	147.93	196	-15.16
8	Ballary Urban	302	5.67	302	5.67	0	0.00
9	Ballary Rural	35781	275.71	36585	250.97	804	-24.74
10	Hospet Urban	494	2.33	494	2.46	0	0.13
11	Hospet Rural	50893	429.66	51690	468.13	797	38.47
12	Raichur Urban	398	8.58	398	8.58	0	0.00
13	Raichur Rural	31350	356.77	31547	361.37	197	4.60
14	Sindhaur	23860	219.92	24805	218.75	945	-1.17
15	Koppal	34655	325.15	35077	311.96	422	-13.19
16	Gangavati	28429	299.39	28859	290.72	430	-8.67
	Total	399627	3054	407519	3041.47	7892	-12.53
	Difference in Specific Consumption of FY-21 Compared to previous year FY-20		7642.13			7463.38	-178.74

Hon'ble commission may kindly consider the as per the above division wise drop in consumption for FY 21.



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f. GESCOM has to furnish the data of GPS as on 31.03.2020 and 31.03.2021 by reconciling survey data with the number of installations in the DCB.

GESCOM Reply:

Status of GPS Survey of IP Sets as on 30-11-2021

Name of the Company

Name of the ESCOM: GESCOM

Date of commencement of GPS Survey: DWA NO:- 46771-852 dated:29-12-2016.

Date of completion of GPS Survey: Under process

If incomplete, Probable date of completion: Survey completed, details to be updated in data base.

Sl No	Division	Total Number of 11kV Feeders Existing	No of Rural Feeder Existing	No of Agricultural Feeder Existing	No of Feeders for which GPS Survey is completed	No of installations category existing as on Nov-2021, as per DCB	No of IP DTCs Surveyed as on 30-11-2021	No of installations, Surveyed as on 30-11-2021	% of GPS Survey completed	Data as per GPS survey as on 30-11-2021(Authorized IP sets)			Data as per GPS survey as on 30-11-2021 (Unauthorized IP sets)		
										No of IP sets surveyed	No of defunct/dried up/disconnected	Total No of live / working IP sets, LT4	No of IP sets surveyed	No of defunct/dried up/disconnected	Total No of live / working IP sets, LT4
1	2	3	4	5	6	7	8	9	10=9*10/7	11=12+13	12	13	14=15+16	15	16
1	BIDAR	154	0	87	139	42999	5535	39767	92.48	39237	1915	37322	530	128	402
2	HUMNABAD	105	5	63	93	40540	3654	36406	89.80	36125	784	35341	281	69	212
3	KALABURAGI-I	176	0	103	116	53225	5558	51982	97.66	48274	1848	46426	3708	917	2791
4	KALABURAGI-II	85	0	42	76	17397	2581	14106	81.08	12658	168	12490	1448	94	1354
5	SEDAM	75	3	30	64	11171	1606	10178	91.11	9836	272	9564	342	85	257
6	YADGIR	155	6	87	142	36891	4626	32370	87.74	31442	275	31167	928	116	812
7	GANGAVATHI	117	6	83	88	29484	4776	35576	120.66	27945	1847	26098	7631	1231	6400
8	HOSPET	181	0	125	230	52489	11471	61252	116.69	51195	2698	48497	10057	1952	8105
9	KOPPAL	122	0	88	132	35719	5996	37599	105.26	33885	371	33514	3714	145	3569
10	RAICHUR	179	0	104	185	32302	6478	36202	112.07	30604	554	30050	5598	232	5366
11	SINDHANOOOR	131	3	78	91	25800	4232	26938	104.41	23004	134	22870	3934	97	3837
12	BALLARI	122	0	79	101	37416	6155	37235	99.52	30335	512	29823	6900	734	6166
	Total	1602	23	969	1457	415433	62668	419611	101.01	374540	11378	363162	45071	5800	39271

The mismatch of IP sets (Unauthorized) count is 45071 in order to regularize the Unauthorized IP sets existing in the field, division wise breakup of No. of IP sets (Unauthorized) sent to divisional officers to carry out Physical inventory in the field and furnish the actual status of Unauthorized ip sets without fail


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Based on the observations made in the previous Tariff Order, GESCOM shall submit the IP assessed consumption for FY21 and FY22 till September 2021, duly furnishing clarity on the data. If the consistent data is not received, the Commission will not consider the data submitted and would take necessary action as deemed appropriate.

GESCOM is also directed to submit the data in the following format:

Particulars	FY-17		FY-18		FY-19		FY-20		FY-21	
	April 2016 to Sept 2016	Oct. to Mar 2017	April 2017 to Sept 2017	Oct. to Mar 2018	April 2018 to Sept 2018	Oct. to Mar 2019	April 2019 to Sept 2019	Oct. to Mar 2020	April 2020 to Sept 2020	Oct. to Mar 2021
LT4a – Installations(Nos)										
Midyear installations (Nos)										
LT4a – sales (MU)										
Specific consumption in units / IP/ annum										

GESCOM Reply:

Particulars	FY-17		FY-18		FY-19		FY-20		FY-21		FY-22
	April 2016 to Sept 2016	Oct. to Mar 2017	April 2017 to Sept 2017	Oct. to Mar 2018	April 2018 to Sept 2018	Oct. to Mar 2019	April 2019 to Sept 2019	Oct. to Mar 2020	April 2020 to Sept 2020	Oct. to Mar 2021	April-2021 to Sept-2021
LT4a – Installations (Nos)	335563	339639	345634	351627	356872	381097	393390	399627	403870	407519	411741
Midyear installations (Nos)	335563	339639	345634	351627	356872	381097	393390	399627	403870	407519	411741
LT4a – sales (MU)	1336.52	3122.71	1438.67	2956.88	1616.86	3514.97	1431.87	3054.00	1468.70	3041.47	1745.23
Specific consumption in units / IP/ annum	9194.21		8409.14		9223.31		7642.13		7463.39		4238.65

3. Observations on Power Purchase -APR for FY21:

1. The contents/details of D-1 format for FY-21 shall be in line with Annexure-2 of Tariff Order 2020, for easy comparison.

GESCOM reply:

D1 submitted by GESCOM in page No. 299 & 300 in the tariff application dated 30.11.2021 is in line with the Annexure II of Tariff order 2020. However, as per directions D1 is herewith submitted as Annexure-A(3)(1).


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2. A separate statement showing the variable cost in the ascending order from different sources of power shall be attached. Any deviation from the merit order scheduling should be explained fully.

GESCOM reply:

A separate statement showing the variable cost in the ascending order from different sources is herewith submitted as Annexure-A(3)(2).

3. The Source wise actual energy purchase and Cost for FY21 is different from approved energy purchase and Cost for FY21. The same needed to be explained Source wise.

GESCOM reply:

Actual energy purchases and cost for FY 2021 is within the limit for FY 21. The details of approved by KERC & Actuals for FY 21 are as under:

	<i>Approved by KERC</i>	<i>Actuals</i>	<i>Difference</i>
<i>Energy (MU)</i>	<i>9170.61</i>	<i>8506.06</i>	<i>664.55</i>
<i>Cost (Crs)</i>	<i>4650.69</i>	<i>4392.87</i>	<i>257.82</i>
<i>Avg. R/U</i>	<i>5.07</i>	<i>5.16</i>	<i>-0.09</i>

The details of source wise energy & cost approved by KERC and Actuals for FY 2020-21 statement is submitted as Annexure- A. (3) (3).

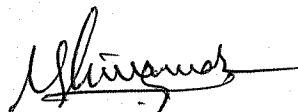
4. The GESCOM has considered Energy of -5.23 MU and cost of Rs -2.91 Crores towards previous year difference of energy balance. The basis for payment of this amount needs to be furnished besides submitting a reconciliation statement for the energy balancing among the ESCOMs.

GESCOM reply:

Under drawn energy to an extent of 5.23 MUs and cost of Rs.2.91 Crs of previous year i.e FY 2019-20. The difference of energy balance amount receivable by GESCOM is taken into account for FY 2020-21 after finalization of energy balance during FY 2020-21 but the provisional energy balance energy & amount has been accounted during for FY 2019-20 due to non-finalization of energy balance for 2019-20. The details of energy & amount towards energy balance accounted in FY2019-20 & FY 2020-21 is as below:

<i>Energy Balance FY 19-20</i>	<i>Energy (Mu)</i>	<i>Amount (Crs)</i>
<i>Provisional</i>	<i>-460.380</i>	<i>-215.085</i>
<i>Final</i>	<i>-465.614</i>	<i>-217.997</i>
<i>Difference</i>	<i>-5.23</i>	<i>-2.91</i>

The provisional energy balance statement and final energy balance statement for FY 2019-20 is submitted as Annexure A(3) (4)&A (3) (5) respectively.


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5. The GESCOM has considered Energy of 4.68 MU and cost of Rs 9.38 Crores towards energy balance. The basis for payment of this amount needs to be furnished besides submitting a reconciliation statement for the energy balancing among the ESCOMs.

GESCOM reply:

During FY 2020-21, GESCOM has overdrawn the energy of 4.68 MUs and accounted the cost to an extent of Rs. 9.38 Crs towards energy balance as per the energy balance statement of all ESCOMs including GESCOM finalized by the SLDC, KPTCL. The energy reconciliation statement for energy balance among all ESCOMs for FY 2020-21 is submitted as Annexure A (3) (6).

6. The GESCOM shall explain the reasons for paying high average cost per unit for the following generating station/schemes:

- BTPS Unit-1
- BTPS Unit-3
- NTPC Vallur
- Kudgi
- UPCL

GESCOM reply:

GESCOM reply: During FY 2020-21, GESCOM has paid high average power purchase cost per unit to the following generating stations due to the reserve shut down of the said stations for few months and paid the fixed cost without receiving the energy from the said stations during FY 2020-21 as per MOD of SLDC, Bengaluru. Therefore the average power purchase cost has been increased. The details of FC & VC paid is as follows:

SL No.	Generating stations	KERC Approved Energy (MU)	Actual Energy (Mu)	Actual FC (Crs)	Actual VC (Crs)	Actual Total (Crs)	Actual Avg PP cost per unit	KERC Approved PP cost per unit	Remarks
1	BTPS Unit-I	85.14	30.52	19.31	9.09	28.40	9.31	6.67	7 months under RSD
2	BTPS Unit-III	168.29	77.25	67.69	22.26	89.95	11.64	6.60	7 months under RSD
3	NTPC-Vallur	99.29	43.20	26.53	16.01	42.54	9.85	6.55	3 months under RSD
4	NTPC Kudgi	106.20	250.62	139.19	73.11	212.30	8.47	11.85	3 months under RSD
5	UPCL	396.00	237.21	120.06	79.89	199.96	8.43	6.80	3 months under RSD

RSD- Reserve Shut down

7. In the D- Format, for KPCL Hydro projects fixed charges of Rs.45.06 Crores and variable charges of Rs.188.87 Crores is considered. The details of the payment for this fixed charges amount, needs to be furnished


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GESCOM reply:

During FY 2020-21, GESCOM has considered the Hydro projects fixed charges of Rs 45.06 Crs and variable charges Rs. 188.87 Crs total of Rs. 233.93 Crs based on the revised bills raised by KPCL. The details of Station wise FC, VC and total cost are as under:

Particulars	Energy (Mus)	FC (Crs)	VC (Crs)	Total Amount (Crs)
Sharavathy Valley Project	431.68	4.28	25.13	29.41
MGHE Jogfalls	96.03	0.30	5.69	6.00
Gerusoppa Power House	124.14	7.14	18.15	25.29
Kali Valley Project	318.38	5.36	23.60	28.96
Varahi Valley Project	290.63	8.82	40.57	49.39
Almatti Dam	168.32	6.88	28.64	35.51
Bhadra Power House	14.45	1.18	3.69	4.87
Kadra Power House	105.29	5.82	18.69	24.51
Kodasalli Power House	98.30	3.97	9.51	13.48
Ghataprabha Power House	28.48	0.30	4.57	4.87
Shivasamudram&Shimsha	77.85	0.92	8.47	9.38
Munirabad	31.42	0.08	2.16	2.24
Total	1,784.96	45.06	188.87	233.94

8. The Prior period expenditure has been indicated as Rs 35.79 Crores. The details for the same needs to be provided.

GESCOM reply:

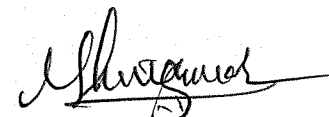
During FY 2020-21, GESCOM has accounted for Rs.35.79 Crs as prior period expenses in respect power purchase bills pertains to 2019-20 but received & accounted in 2020-21. The details of prior period expenses are as under:

Source	Amt (Crs)
MAPS	3.40
Energy Balance	2.91
KPTCL	-2.84
Indira power	1.37
UPCL	30.21
PTC India Ltd	0.74
Total	35.79

9. The energy towards IEX is indicated as -212.01 MU without indicating corresponding amount. The details of the same needs to be provided with appropriate explanation.

GESCOM reply:

On behalf of all ESCOMs including GESCOM, M/s PCKL has traded the excess/surplus energy through IEX to an extent of 212.01 MUs of GESCOM share and received an



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GESCOM, KALABURAGI

amount of Rs. 70.72 Crs from PCKL during FY 2020-21 and same is accounted as revenue from sale of energy. Therefore the same amount is not shown in D1 format.

10. The other/financial charges have been indicated as Rs.5.36 Crores. The details of the same needs to be provided.

GESCOM reply:

GESCOM has indicated Rs. 5.36 Crs towards finance & other charges. The actual finance charges incurred towards opening of LC and other Bank charges are included in the said amount. The details are as below:

<i>SL No.</i>	<i>Particulars</i>	<i>Amount (Crs)</i>
<i>1</i>	<i>Financial charges i.e LC charges</i>	<i>4.63</i>
<i>2</i>	<i>Other charges (FC to MSEB)</i>	<i>0.73</i>
	<i>Total</i>	<i>5.36</i>

11. GESCOM has indicated in the D-1 statement, energy and charges in respect of UI/south western railways as -36.51 MU and Rs.3.4 Crores. How the amount has been incurred for a negative figure of energy drawn or sent out needs to be explained.

GESCOM reply:

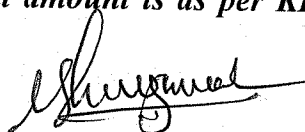
SLDC KPTCL maintains the CGS UI pool account in the bank for the UI charges bills i.e deviation settlement account bill. SLDC prepares weekly deviation bills & if the amount is payable the same amount is paid out of UI pool account & in turn SLDC collects this amount from ESCOMs. If the amount is receivable the same amount is credited to UI pool account & in turn disburses/paid to among 5 ESCOMs in their % share of allocation. During the year SLDC has received the amount towards under drawn energy & paid the amount towards over drawn energy through UI pool account maintained at SLDC, KPTCL. In the 15 minutes block period the rate per unit towards under drawn energy & over drawn energy varies during the year. Therefore, even there is under drawn energy to an extent of -36.51 MUs (-ve energy) GESCOM has got the +ve amount payable to an extent of Rs.3.40 Crs after net offing the amount payable/receivable at the end of the year as per SLDC KPTCL Calculation.

12. GESCOM has indicated in the D-1 statement, banked (solar/Non solar) energy of 48.02 MU and corresponding charges as Rs.13.02 Crores. The reasons/details for this needs to be furnished.

GESCOM reply:

During FY 2020-21, GESCOM has accounted banked energy to an extent of 48.02 Mus (i.e solar 18.57 MUs+29.45 MUs Non solar) and corresponding amount is Rs 13.02 Crs (solar Rs. 4.86 Crs+Rs 8.16 Crs Non solar). The total amount is as per KERC order at

15


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85% of the Generic Tariff. The

Details of banked energy & amount are as under:

Particulars	Energy(MU)	KERC Generic Tariff (R/U)	85% of Generic Tariff (R/U)	Amount (Crs)
Solar	18.57	3.08	2.62	4.86
Non Solar	29.45	3.26	2.77	8.16
Total	48.02			13.02

The details of the banked energy statement is submitted as Annexure A (3) (7).

13. GESCOM has indicated in the D-1 Statement, infirm(solar/Non-Solar) energy of 44.9 MU and without indicating any amount. The details for this needs to be furnished.

GESCOM reply:

During FY 2020-21, GESCOM has accounted 44.9 MUs as infirm power (solar 0.55MUs & Non solar 44.35MUs) but not indicated the amount for this energy since the infirm power bill is not paid by GESCOM. The details of infirm power is submitted as Annexure A (3)(8).

4. Observations on Capital Investment for FY21:

1. Commission, in its Tariff Order dated 4th November, 2020, had recognized the capex proposal of GESCOM for Rs.733.23 Crores for FY21. However, the Commission decided to reckon the expected capital expenditure of Rs.603.74 Crores for the purpose of determination of Tariff for FY21 by considering the capital grants, consumer contribution and internal resources for the various proposed works to be executed.
2. GESCOM, in its filling has indicated a capital expenditure of Rs.407.68 Crores in Table-42, whereas in Format D-17, the Capital expenditure is shown as

Rs.404.76 Crores. The GESCOM shall indicate the capex incurred for FY21 correctly vis-à-vis the Commission approved capex. In view of the inconsistency in furnishing the details, GESCOM shall furnish the details of actual capex incurred for FY21 as per **Annexure-1**, besides furnishing the following details:

GESCOM Reply:

Details are enclosed as Annexure-1 (A.4.1&2.)

- a. Details of sources of funding (like grants, debt, equity and internal sources) besides loans raised to meet the capex towards the capex incurred during the FY21, against each of the

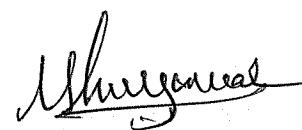

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category of works.

- b. Division-wise abstract of capacity wise replacement of faulty transformers by new transformers with reasons for having incurred amount of Rs.3.31 Crores.

GESCOM Reply: Details are as follows.

Details Transformers failed and replaced by new one during the year FY 2021 (April -2020 to March-2021)													
Sl. No.	Name of the Division	Capacity wise transformers failed					Replacement of failed transformer by new one					Expenditure incurred for failed transformer by new one	Reason for Replacement of failed transformer by new one
		15 kVA	25 kVA	63 kVA	100 kVA	250 kVA	15 kVA	25 kVA	63 kVA	100 kVA	250 kVA		
1	Kalaburagi Urban	2	18	71	51	20	0	1	1	1	1	6.7	Existing failed transformers are beyond repair and proposed for scraping
2	Kalaburagi-1	0	575	898	530	7	0	37	8	5	0	42.5	Existing failed transformers are beyond repair and proposed for scraping. Also for restoration of power supply in flood affected area in emergency
3	Kalaburagi-2	0	289	399	260	5	0	20	4	3	0	23	Existing failed transformers are beyond repair and proposed for scraping
4	Sedam	0	210	275	150	4	0	15	3	2	0	16.9	Existing failed transformers are beyond repair and proposed for scraping
5	Yadgir	0	640	868	344	22	0	45	9	3	1	50.24	Existing failed transformers are beyond repair and proposed for scraping. Also for restoration of power supply in flood affected area in emergency
6	Humnabad	0	203	479	321	9	0	14	5	3	0	20	Existing failed transformers are beyond repair and proposed for scraping
7	Bidar	0	383	584	327	9	0	27	6	3	0	30.3	Existing failed transformers are beyond repair and proposed for scraping
8	Ballari Urban	0	1	13	71	16	0	0	0	1	1	4.12	Existing failed transformers are beyond repair and proposed for scraping
9	Ballari Rural	0	212	335	254	6	0	15	3	3	0	18.3	Existing failed transformers are beyond repair and proposed for scraping
10	Hospet Urban	0	3	3	34	2	0	0	0	0	0	0	Existing failed transformers are beyond repair and proposed for scraping
11	Hospet Rural	0	260	461	196	3	0	18	5	2	0	21.4	existing failed transformers are beyond repair and proposed for scraping
12	Raichur Urban	0	9	20	56	7	0	1	0	1	0	2.1	existing failed transformers are beyond repair and proposed for scraping
13	Raichur Rural	0	550	544	257	0	0	39	5	3	0	37.5	Existing failed transformers are beyond repair and proposed for scraping. Also for restoration of power supply in flood affected area in emergency



Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

14	Sindhanur	0	296	389	177	2	0	21	4	2	0	22.3	existing failed transformers are beyond repair and proposed for scraping
15	Koppal	0	295	502	259	2	0	21	5	3	0	24.9	existing failed transformers are beyond repair and proposed for scraping
16	Gangavati	0	152	173	83	3	0	11	2	1	0	11.5	existing failed transformers are beyond repair and proposed for scraping
Total		2	4096	6014	3370	117	0	285	60	36	3	331.76	

5. RPO Compliance for FY21:

- GESCOM in its filing, has stated that against the target RPO for FY21 of 8% for Non-solar and 8.5% for Solar, it has complied with 29.28% of Non-Solar RPO and 18.97% Solar RPO.
- GESCOM shall furnish energy break-up details for Shimsha and Shivanasamudra projects separately. Also, the hydro energy included in energy balance shall be furnished separately.

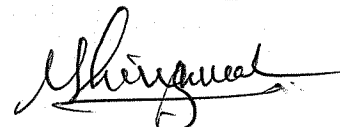
GESCOM Reply :

As per direction, it is to be noted that Shimsha & Mani Dam projects are considered for calculation of Non solar RPO obligation. The details of energy breakup of Shimsha, Shivanasamudra & Mani Dam projects energy are as under:

<i>Projects</i>	<i>Energy (MU)</i>
<i>Mani Dam</i>	<i>6.24</i>
<i>Shimsha</i>	<i>15.92</i>
<i>Shivanasamudra</i>	<i>66.57</i>
<i>Total</i>	<i>88.73</i>

The total Hydro energy included in energy balance is 1784.196 MUs of KPCL and 28.42 of other Hydro Stations i.e Jurala & TBHE. The Stationwise energy is as under:

<i>Stations</i>	<i>Energy (Mus)</i>
<i>Sharavathy Valley Project</i>	<i>431.68</i>
<i>MGHE Jogfalls</i>	<i>96.03</i>
<i>Gerusoppa Power House</i>	<i>124.14</i>
<i>Kali Valley Project</i>	<i>318.38</i>
<i>Varahi Valley Project</i>	<i>290.63</i>
<i>Almatti Dam</i>	<i>168.32</i>
<i>Bhadra Power House</i>	<i>14.45</i>
<i>Kadra Power House</i>	<i>105.29</i>
<i>Kodasalli Power House</i>	<i>98.3</i>
<i>Ghataprabha Power House</i>	<i>28.48</i>
<i>Shivasamudram&Shimsha</i>	<i>77.85</i>



Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

<i>Munirabad</i>	<i>31.42</i>
<i>Total</i>	<i>1,784.96</i>

<i>other Hydro</i>	<i>Energy (Mus)</i>
<i>Priyadarshini Jurala Hydro Electric projects</i>	<i>23.65</i>
<i>TBHE</i>	<i>4.77</i>
<i>Total</i>	<i>28.42</i>

- As per D1 format the energy purchased net of Hydro is 6692.68 (8506.06- 1784.96- 23.69-4.77), whereas at Table-59, page 105, it is indicated as 6753.75MU. The data shall be reconciled with the audited accounts.

GESCOM Reply :

As per D1 format total energy purchases is 8506.06 MUs out of total hydro energy is 1813.38 MUs. So, net energy purchased excluding Hydro is 6692.68 MUs. Where as in page NO.105 at table 59, it is indicated that total energy purchased id 6753.75 MUs by GESCOM. The breakup of Total energy considered for calculation of RPO i.e 6753.75 MUs are as under:

<i>Particulars</i>	<i>Energy in MUs</i>	<i>Remarks</i>
<i>As per D1 total energy</i>	<i>8506.06</i>	
<i>Less: Total KPCL Hydro Energy</i>	<i>1784.96</i>	
<i>Less: Total other Hydro Energy (Jurala & TBHE)</i>	<i>28.42</i>	
<i>Sub-total</i>	<i>6692.68</i>	
<i>Add: Shimsha & Mani Dam as mini hydro energy considered for RPO</i>	<i>22.16</i>	
<i>Sub-total</i>	<i>6714.84</i>	
<i>Add: Difference of Inter ESCOMs energy balance and energy purchased from other ESCOMs i.e Total Hydro energy allocation as per GoK order & energy allocation as per actuals considered for calculation of RPO by SLDC, KPTCL</i>	<i>38.91</i>	
<i>Total</i>	<i>6753.75MUs</i>	

The above data submitted in filing is as per the Audited accounts and as per the SLDC, KPTCL statement.

- As per D-1 format the solar purchased is as follows:

<i>Source</i>	<i>MU</i>
<i>PPA</i>	<i>1048.11</i>
<i>KPCL</i>	<i>1.81</i>
<i>SRTPV</i>	<i>8.45</i>
<i>Total</i>	<i>1058.37</i>


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Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

It is noted that at page 105 the solar energy considered for FY21 compliance is 1280.88 MU against 1058.37 MU as per D-1 format. GESCOM shall clarify and

shall also furnish the break up for bundled power from NTPC, banked and infirm energy from solar separately duly tallying with audited accounts.

GESCOM Reply :

As per D1 format the total solar energy purchased and breakup of NTPC Solar bundled power, banked and infirm energy (solar) as per audited accounts are as under:

<i>Source</i>	<i>Energy in MU's</i>
GESCOM Solar PPA	1048.11
KPCL-Solar	1.81
SRPTV	8.45
Sub-total	1058.37
Add: NTPC NSM Solar	189.15
Add: NTPC VVNL Solar	14.23
Banked Energy solar	18.57
Infirm Energy Solar	0.55
Total	1280.88

- *As per D-1 format the Non-solar purchased is as follows:*

<i>Source</i>	<i>MU</i>
Wind	1369.58
Mimi-Hydel	130.06
Co-gen	53.46
Co-gen medium term	260.16
Bio-mass	76.85
Total	1890.11

It is noted that at page 105, the Non-solar energy considered for FY21 compliance is 1977.70 MU against 1890.11 MU as per D-1 format. GESCOM shall furnish the break up for banked and infirm energy from Non-solar. GESCOM shall reconcile the above data with respect to audited accounts and also consider Shimsha power generation under Non-solar RPO.

GESCOM Reply :

As per D1 format the total Non solar energy purchased and breakup of banked and infirm energy from Non solar energy also Shimsha & Mani Dam energy is considered under Non Solar for RPO calculation. The details are as under:

<i>Source</i>	<i>MU</i>
Wind	1369.58

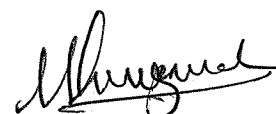

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Regulatory Affairs
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<i>Mimi-Hydel</i>	<i>130.06</i>
<i>Co-gen</i>	<i>53.46</i>
<i>Co-gen medium term</i>	<i>260.16</i>
<i>Bio-mass</i>	<i>76.85</i>
<i>Sub-Total</i>	<i>1890.11</i>
<i>Add: Banked Energy Non Solar</i>	<i>29.45</i>
<i>Add: Infirm Power Non Solar</i>	<i>44.35</i>
<i>Add: Mani Dam energy</i>	<i>6.24</i>
<i>Add: Shimsha energy</i>	<i>15.92</i>
<i>Total</i>	<i>1986.07</i>
<i>Less: Energy under APPC</i>	<i>8.38</i>
<i>Total</i>	<i>1977.7</i>

- For validating the RPO compliance and to work out APPC, GESCOM shall furnish the data as per the format indicated below, duly reconciling the data with audited accounts for FY21 (each item in the table shall be indicated distinctly):

i. Non-solar RPO:

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



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ii. Solar RPO:

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

GESCOM Reply :

As per directions, Non Solar RPO details and solar RPO details are furnished in the prescribed format for validating the RPO compliance:

i. Non-solar RPO:

SI. No.	Particulars	Quantum in MU	Cost- Rs. Crs.
1	<i>Total Power Purchase quantum from all sources excluding Hydro energy</i>	6753.75	4151.41
2	<i>Non-solar Renewable energy purchased under PPA route at Generic tariff including Non-solar RE purchased from KPCL</i>	1903.90	774.19
3	<i>Non -solar Short-Term purchase from RE sources, excluding sec-11 purchase</i>	-	-
4	<i>Non -solar Short-Term purchase from RE sources under sec-11</i>	-	-


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

5	Non-solar RE purchased at APPC	8.38	2.05
6	Non-solar RE pertaining to green energy sold to consumers under green tariff	-	-
7	Non-solar RE purchased from other ESCOMs	-	-
8	Non-solar RE sold to other ESCOMs	-	-
9	Non-solar RE purchased from any other source like banked energy purchased at 85% of Generic tariff	73.80	8.16
10	Total Non-Solar RE Energy Purchased [No 2+ No.3+No.4+No.5 +No.7+No.9]	1986.08	784.40
11	Non-Solar RE accounted for the purpose of RPO [No.10- No.5-No.6-No.8]	1977.70	782.35
12	Non-solar RPO complied in % [No11/No1]*100	29.28%	18.85%

ii. Solar RPO:

Sl. No.	Particulars	Quantum in MU	Cost- Rs. Crs.
1	Total Power Purchase quantum from all sources excluding Hydro energy	6753.75	4151.41
2	Solar energy purchased under PPA route at Generic tariff including solar energy purchased from KPCL	1049.93	462.52
3	Solar energy purchased under Short-Term, excluding sec-11 purchase	-	-
4	Solar Short-Term purchase from RE under sec-11	-	-
5	Solar energy purchased under APPC	-	-
6	Solar energy pertaining to green energy sold to consumers under green tariff	-	-
7	Solar energy purchased from other ESCOMs	-	-
8	Solar energy sold to other ESCOMs	-	-
9	Solar energy purchased from NTPC (or others) as bundled power	203.39	112.36
10	Solar energy purchased from any other source like banked energy purchased at 85% of Generic tariff	27.56	11.27
11	Total Solar Energy Purchased [No2+ No.3+No.4+No.5+No.7+No.9+No.10]	1280.88	586.15
12	Solar energy accounted for the purpose of RPO [No.11- No.5-No.6-No.8]	1280.88	586.15
13	Solar RPO complied in % [No12/No.1]*100	18.97%	14.12%


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6. Legible Copy of Audited Accounts for FY21:

The copy of the provisional audited accounts submitted by GESCOM for FY21 is not legible and readable. GESCOM is expected to finalize its audited accounts by September, 2021 and submit the same to the Commission. Hence GESCOM shall submit a legible copy of the audited accounts for FY21, with Director's Report along with DCB statement, duly tallied with the audited accounts figures for FY21. GESCOM shall also submit the half year accounts for FY22.

GESCOM Reply:

The GESCOM is submitted soft copy and hard copy of audited accounts in page no. 112 to 188. However, the audited copy of financial statements of FY-21 & along with provisional Half year financial statements of FY-22 is enclosed as Annexure -6 & 6a. Director's Report along with DCB statement will be submitted shortly.

B. Observations on ARR for FY23-FY25

1. Category-wise sales Other than IP sets FY23-FY25:

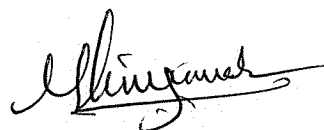
- i) GESCOM in their filing at Table-83, page-215 & 216, has submitted the growth rate considered for estimating the number of installations. However, GESCOM has not furnished how this growth rate is arrived at. GESCOM shall clarify as to whether they have considered 3-year or 5-year CAGR or previous year growth. GESCOM shall furnish the working sheet(soft-copy) for the same.

GESCOM Reply:

GESCOM has projected installation based on 5 year of CAGR growth. The details is furnished below: the soft copy of the installation & sales projections is also submitted while filing Tariff application for kind reference.

The same projection is enclosed as Annexure-B(1).

However it is reproduced in the following table :



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Installation Growth

Tariff Category	Mid Year		Projected	Midyear Projected	Projected	Midyear Projected	Projected	Midyear Projected	Projected	CAGR%	CAGR%	CAGR%	
	Actual	Actual											
	31/03/2021	30/09/2021	31/03/2022	30/09/2022	31/03/2023	31/09/2023	31/03/2024	31/09/2024	31/03/2025	31/03/2022	31/03/2023	31/03/2024	31/03/2025
LT 1	597675	597675	597675	597675	597675	597675	597675	597675	597675	0.00%	0.00%	0.00%	0.00%
LT 2 (a)	1885548	1916389	1950922	1985447	2019973	2055824	2091675	2128518	2165361	4.91%	4.79%	4.64%	4.46%
LT 2 (b)	5338	5446	5611	5778	5945	6115	6285	6463	6640	7.25%	6.22%	5.71%	5.33%
LT 3	298803	304706	313268	319959	326650	333715	340779	348097	355415	5.44%	5.23%	5.06%	4.59%
LT 4 (a)	407519	411741	421261	426357	431453	436963	442473	448380	454287	4.26%	4.40%	4.18%	3.03%
LT 4 (b)	2298	2305	2325	2340	2355	2373	2390	2411	2431	5.22%	3.63%	2.80%	3.02%
LT 4 (c)	478	583	616	634	652	673	695	720	745	7.30%	10.01%	9.89%	10.38%
LT 5	68746	70304	73231	74773	76316	77955	79594	81354	83115	4.16%	4.21%	4.29%	4.42%
LT 6(a)	28071	28738	30739	32089	33439	34818	36197	37613	39029	12.01%	12.69%	10.49%	9.20%
LT 6(b)	15479	15362	15716	15864	16012	16194	16376	16594	16813	4.26%	4.05%	6.33%	4.92%
LT 7	39347	42880	44598	46813	49029	51332	53635	56086	58537	13.33%	16.66%	12.25%	12.40%
LT	3349302	3396129	3455962	3507730	3559499	3613636	3667773	3723910	3780046	4.01%	4.00%	3.88%	3.62%
HT 1	167	173	179	185	190	197	204	212	219	6.31%	6.43%	6.96%	6.74%
HT 2 a	1778	1796	1887	1936	1984	2038	2091	2149	2207	6.48%	6.20%	6.13%	6.14%
HT 2 b	434	440	465	479	493	510	526	543	560	5.63%	6.14%	6.56%	6.59%
HT 2 c	228	264	309	334	359	388	417	452	488	17.00%	19.08%	17.24%	17.76%
HT 3 a & b	431	444	464	482	501	520	540	560	580	10.13%	8.61%	6.54%	7.10%
HT 4	44	46	48	49	51	54	57	61	65	7.96%	9.70%	12.08%	12.43%
HT 5	46	52	54	56	59	62	65	68	71	9.67%	15.75%	12.15%	16.60%
HT	3128	3215	3406	3522	3638	3768	3899	4045	4191	7.48%	7.57%	7.30%	7.55%
TOTAL	3352430	3399344	3459367	3511252	3563137	3617405	3671672	3727955	3784237	4.01%	4.01%	3.88%	3.62%

Hon'ble Commission may kindly consider the same.


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25

- ii) At page 217, for LT-2b, the number of installations is indicated as 65374 for FY22, 69052 for FY23, 71702 for FY24 & 73687 for FY25, against addition of 147 to 388 installations/year as stated by GESCOM. This shall be rectified.

GESCOM Reply:

The installation addition during FY-21 is 144 and there is addition of installation of 388 for FY-17. In addition to incremental growth the revised installation for FY-22 is 5611 & projected number of installation for FY-23, FY-24 & FY-25 is 5945, 6285, & 6640 as per installation projected by GESCOM.

Category	Actuals	Actuals	Actuals	Actuals	Actuals	Actuals	Revised	Projected	Projected	Projected
LT-2 b	FY-16	FY-17	FY-18	FY-19	FY-20	FY-21	FY-22	FY-23	FY-24	FY-25
No of installation	3761	4149	4503	4847	5191	5338				
Increment addition compared during financial year		388	354	344	344	147				
Projected for FY-23 to FY-25							5611	5945	6285	6640

Hon'ble Commission may kindly consider the same.

- iii) For estimating LT-3, LT-4b, LT-4c, LT-5, LT-6a, HT-2a, HT-2b and HT-5 installations, GESCOM has considered the additions considering incremental addition of installations during first half of FY22. Since there would be additions during the second-half of the year also, the number of installations in this categories are under estimated. GESCOM may consider revising the same.

GESCOM Reply:

GESCOM has considered the yearly additions/growth to project the specific installation growth ie form LT1 to HT5 installations for FY-23 to FY-25 duly revising the FY-22 addition of installations. Hence GESCOM requests to Hon'ble commission to consider the installation/ growth as per table below:.


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installation Growth

Tariff Category	Actual	Mid Year		Projected	Midyear Projected	Projected	Midyear Projected	Projected	Midyear Projected	Projected	CAGR%	Projected	Midyear Projected	Projected	CAGR%	Projected	CAGR%	Projected	CAGR%
		31/03/2021	30/09/2021	31/03/2022	30/09/2022	31/03/2023	31/09/2023	31/03/2024	31/09/2024	31/03/2025	31/03/2022	31/03/2023	31/03/2024	31/03/2025	31/03/2022	31/03/2023	31/03/2024	31/03/2025	31/03/2025
LT 1	597675	597675	597675	597675	597675	597675	597675	597675	597675	597675	0.00%	597675	597675	597675	0.00%	597675	597675	597675	0.00%
LT 2 (a)	1885548	1916389	1916389	1950922	1985447	2019973	2055824	2091675	2128518	2165361	4.91%	4.79%	4.64%	4.46%	4.91%	4.79%	4.64%	4.46%	4.46%
LT 2 (b)	5338	5446	5446	5611	5778	5945	6115	6285	6463	6640	7.25%	6.22%	5.71%	5.33%	7.25%	6.22%	5.71%	5.33%	5.33%
LT 3	298803	304706	304706	313268	319959	326650	333715	340779	348097	355415	5.44%	5.23%	5.06%	4.59%	5.44%	5.23%	5.06%	4.59%	4.59%
LT 4 (a)	407519	411741	411741	421261	426357	431453	436963	442473	448380	454287	4.26%	4.40%	4.18%	3.03%	4.26%	4.40%	4.18%	3.03%	3.03%
LT 4 (b)	2298	2305	2305	2325	2340	2355	2373	2390	2411	2431	5.22%	3.63%	2.80%	3.02%	5.22%	3.63%	2.80%	3.02%	3.02%
LT 4 (c)	478	583	583	616	634	652	673	695	720	745	7.30%	10.01%	9.89%	10.38%	7.30%	10.01%	9.89%	10.38%	10.38%
LT 5	68746	70304	70304	73231	74773	76316	77955	79594	81354	83115	4.16%	4.21%	4.29%	4.42%	4.16%	4.21%	4.29%	4.42%	4.42%
LT 6(a)	28071	28738	28738	30739	32089	33439	34818	36197	37613	39029	12.01%	12.69%	10.49%	9.20%	12.01%	12.69%	10.49%	9.20%	9.20%
LT 6(b)	15479	15362	15362	15716	15864	16012	16194	16376	16594	16813	4.26%	4.05%	6.33%	4.92%	4.26%	4.05%	6.33%	4.92%	4.92%
LT 7	39347	42880	42880	44598	46813	49029	51332	53635	56086	58537	13.33%	16.66%	12.25%	12.40%	13.33%	16.66%	12.25%	12.40%	12.40%
LT	3349302	3396129	3396129	3455962	3507730	3559499	3613636	3667773	3723910	3780046	4.01%	4.00%	3.88%	3.62%	4.01%	4.00%	3.88%	3.62%	3.62%
HT 1	167	173	173	179	185	190	197	204	212	219	6.31%	6.43%	6.96%	6.74%	6.31%	6.43%	6.96%	6.74%	6.74%
HT 2 a	1778	1796	1796	1887	1936	1984	2038	2091	2149	2207	6.48%	6.20%	6.13%	6.14%	6.48%	6.20%	6.13%	6.14%	6.14%
HT 2 b	434	440	440	465	479	493	510	526	543	560	5.63%	6.14%	6.56%	6.59%	5.63%	6.14%	6.56%	6.59%	6.59%
HT 2 c	228	264	264	309	334	359	388	417	452	488	17.00%	19.08%	17.24%	17.76%	17.00%	19.08%	17.24%	17.76%	17.76%
HT 3 a & b	431	444	444	464	482	501	520	540	560	580	10.13%	8.61%	6.54%	7.10%	10.13%	8.61%	6.54%	7.10%	7.10%
HT 4	44	46	46	48	49	51	54	57	61	65	7.96%	9.70%	12.08%	12.43%	7.96%	9.70%	12.08%	12.43%	12.43%
HT 5	46	52	52	54	56	59	62	65	68	71	9.67%	15.75%	12.15%	16.60%	9.67%	15.75%	12.15%	16.60%	16.60%
HT	3128	3215	3215	3406	3522	3638	3768	3899	4045	4191	7.48%	7.57%	7.30%	7.55%	7.48%	7.57%	7.30%	7.55%	7.55%
TOTAL	3352430	3399344	3399344	3459367	3511252	3563137	3617405	3671672	3727955	3784237	4.01%	4.01%	3.88%	3.62%	4.01%	4.01%	3.88%	3.62%	3.62%

Hon'ble Commission may kindly consider the same.


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27

iv) Regarding the estimates of energy sales, GESCOM has stated that it has worked out specific consumption for each category considering FY21 sales and FY20 mid-year installations. The Commission notes that to arrive at specific consumption for FY21, the mid-year installations of FY21 alone has to be considered. GESCOM shall rectify the same. GESCOM shall furnish the working sheet (soft-copy) of the same. Further, for all categories estimates cannot be done on specific consumption, especially for HT categories and LT commercial & Industries. GESCOM may consider CAGR for these categories.

GESCOM Reply:

GESCOM has considered average consumption ie., sales at the end year of FY-21 is divided by midyear installation of FY21(as on 30.09.2020) installation to arrive at sales projection of each category for the each financial year & same is consider of FY-23 to FY-25 of projecting the sales. For HT category the sales for FY-21 is at 911.29 Mu's. The GESCOM has considered 10% addition to Revised estimates for FY-22 & projection up on the same for FY-23 to FY-25 thus there is increase in estimating HT2 a category of sales, this is considered because the HT sales in FY-19 were significantly higher on account of couple open access consumers temporarily purchase power from GESCOM during second half of FY-19. Subsequently these open access consumer shifted back to open access

Also the HT industrial & commercial consumption was impacted by lockdown imposed by government for containing the spread of COVID-19 during FY-20 & FY-21.

Considering the CAGR sales growth / Specific Consumption for estimation the sales projection for FY-23 to FY-25 would result in erroneous data.

Hence, GESCOM has considered average consumption method for estimating HT Industries/ Commercial energy sales.

The following table indicates sales projection for FY-23 to FY-25.


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		Sales Projection																		
		Actual	Actual	Actual	Actual	Actual	Actual	Actual	Growth % over FY-20	Revised	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Average Consumption		
Tariff Category	3/31/2016	3/31/2017	3/31/2018	9/30/2018	3/31/2019	9/30/2019	3/31/2020	9/30/2020	3/31/2021	30/09/2021	Growth % over FY-20	3/31/2022	Growth % over FY-21	3/31/2023	Growth % over FY-22	3/31/2024	Growth % over FY-23	3/31/2025	Growth % over FY-24	(FY-22) sales of FY 21/ Mid year No. of insta of FY-20
LT 1	123.85	108.14	256.51	116.36	245.40	129.78	258.15	128.83	256.61	136.32	-0.60%	256.61	0.00%	256.61	0.00%	256.61	0.00%	256.61	0.00%	0.00
LT 2 (a)	1027.40	1041.76	1084.24	594.69	1122.19	646.19	1202.32	736.59	1305.88	709.64	8.61%	1347.17	3.16%	1395.71	3.60%	1445.19	3.54%	1496.29	3.54%	0.00
LT 2 (b)	9.64	10.45	11.97	7.05	13.94	7.50	14.82	4.80	9.56	5.48	35.48%	9.83	2.81%	10.43	6.10%	11.04	5.83%	11.66	5.68%	0.00
LT 3	274.89	278.41	312.87	164.70	325.51	181.48	352.82	158.82	329.91	174.57	-6.49%	344.56	4.44%	361.81	5.01%	377.36	4.30%	393.63	4.31%	0.00
LT 4 (a)	3224.55	3122.71	2956.88	1616.86	3514.97	1431.87	3054.00	1468.70	3041.47	1671.82	-0.41%	3163.68	4.02%	3210.81	1.49%	3290.69	2.49%	3376.66	2.61%	0.01
LT 4 (b)	2.98	1.91	1.43	0.81	9.65	0.63	2.82	1.52	3.29	1.40	16.65%	3.30	0.35%	3.35	1.51%	3.40	1.39%	3.45	1.60%	0.00
LT 4 (c)	1.28	1.22	0.92	0.44	1.04	0.57	1.16	0.74	1.43	1.59	23.53%	1.82	27.29%	1.98	8.73%	2.10	6.24%	2.25	6.88%	0.00
LT 5	166.37	163.86	165.13	85.99	171.63	86.87	172.20	87.30	176.66	89.94	2.59%	184.02	4.17%	195.72	6.36%	204.05	4.25%	212.95	4.36%	0.00
LT 6 (a)	183.23	201.38	260.18	153.15	356.66	206.31	413.67	203.30	399.04	185.08	-3.54%	441.64	10.68%	493.13	11.66%	535.07	8.50%	578.03	8.03%	0.02
LT 6 (b)	210.84	213.77	236.52	120.96	252.69	127.00	244.22	108.07	206.48	104.93	15.45%	237.01	14.79%	244.76	3.27%	249.85	2.08%	256.03	2.47%	0.02
LT 7	17.45	16.90	18.11	9.90	20.10	11.59	22.29	10.11	20.87	12.56	-6.35%	25.08	20.17%	27.38	9.17%	30.02	9.65%	32.80	9.26%	0.00
LT	5242.50	5160.53	5304.76	2870.92	6033.80	2829.79	5738.45	2908.78	5751.20	3093.33	0.22%	6014.72	4.58%	6201.70	3.11%	6405.38	3.28%	6620.36	3.36%	0.00
HT 1	84.14	92.81	107.56	48.04	111.45	46.67	109.95	54.60	122.38	56.37	11.30%	129.89	6.13%	138.65	6.74%	147.94	6.71%	158.83	7.36%	0.75
HT 2 a	1003.50	905.86	897.53	555.13	1144.22	554.19	1088.82	396.26	911.29	527.50	16.31%	1032.90	13.34%	1113.35	7.79%	1171.91	5.26%	1236.05	5.47%	0.52
HT 2 b	70.32	70.74	68.67	39.05	72.98	41.11	75.87	27.74	57.75	32.16	23.89%	60.36	4.51%	65.71	8.88%	69.89	6.36%	74.49	6.58%	0.14
HT 2 c	13.27	18.07	22.90	13.34	26.28	14.80	29.65	10.59	23.85	18.58	19.56%	28.88	21.10%	36.52	26.46%	42.42	16.14%	49.47	16.62%	0.11
HT 3 a	76.19	89.45	83.82	45.42	113.55	30.50	115.55	41.61	105.06	44.38	-9.07%	108.73	3.50%	118.15	8.66%	127.42	7.85%	137.11	7.60%	0.24
HT 4	12.87	13.07	12.50	7.52	14.40	7.77	14.75	8.22	15.21	7.79	3.12%	16.27	6.98%	17.50	7.55%	19.24	9.92%	21.60	12.26%	0.35
HT 5	5.01	7.83	13.16	7.45	11.62	5.50	11.12	6.69	15.51	5.47	39.42%	17.16	10.64%	18.57	8.23%	20.33	9.43%	22.44	10.42%	0.33
HT	1265.29	1197.82	1206.14	715.94	1494.50	700.54	1445.72	545.70	1251.05	692.25	13.47%	1394.19	11.44%	1508.46	8.20%	1599.15	6.01%	1699.98	6.30%	0.41
TOTAL	6507.79	6358.35	6510.90	3586.86	7528.30	3530.32	7184.17	3454.48	7002.25	3785.58	-2.53%	7408.91	5.81%	7710.16	4.07%	8004.53	3.82%	8320.33	3.95%	0.00

Hon'ble Commission may kindly consider the same as indicated in above table for projected sales.

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v) The table indicating the growth rates for the number of installations is furnished below:

Category	Percentage Growth Rates					
	2015-16 to 2020-21 CAGR	2017-18 to 2020-21 CAGR	FY21 growth over FY20	Growth Rate proposed by GESCOM for FY23	Growth Rate proposed by GESCOM for FY24	Growth Rate proposed by GESCOM for FY25
LT-2a	4.91%	5.40%	3.03%	3.54%	3.55%	3.52%
LT-2b	7.25%	5.83%	2.83%	5.95%	5.72%	5.65%
LT-3	5.44%	5.40%	4.17%	4.27%	4.33%	4.29%
LT-5	4.16%	3.59%	3.37%	4.21%	4.30%	4.42%
LT-6 WS	12.01%	11.40%	11.36%	8.78%	8.25%	7.82%
LT-6 SL	4.26%	9.53%	16.48%	1.88%	2.27%	2.67%
HT-1	6.31%	7.08%	7.05%	6.15%	7.37%	7.35%
HT-2 (a)	6.48%	6.45%	4.90%	5.14%	5.39%	5.55%
HT-2 (b)	5.63%	6.53%	5.34%	6.02%	6.69%	6.46%
HT-2 (c)	17.00%	12.07%	7.04%	16.18%	16.16%	17.03%
HT-3(a)& (b)	10.13%	5.70%	2.13%	7.97%	7.78%	7.41%
HT-4	7.96%	14.91%	12.82%	6.25%	11.76%	14.04%

It is observed that growth rate considered for LT-2a, LT-3 LT-6WS & SL and HT 2a is lower as compared with CAGR. GESCOM may reconsider revising its estimates for these categories.

GESCOM Reply:

GESCOM has considered average consumption ie., sales at the end year of FY-21 is divided by midyear installation of FY21(as on 30.09.2020) installation to arrive at sales projection of each category for the each financial year & same is consider of FY-23 to FY-25 of projecting the sales.

During the FY 17-18 and FY-18-19 GESCOM has serviced 84317 No of installation under LT-2 under the central Government sponsored scheme like Soubhagya, are one time addition has increased the CAGR calculations, Now that these schemes are closed and GESCOM excepts only normal growth, hence reduced growth rate is considered for LT2 & LT-3.

In LT-6 number of unauthorized water supply installation were regularized during FY-19 to FY-21 resulting in significant increase in the total installation & the CAGR calculation for the base years. However now there will be regular growth, Hence reduced rate as compared to CAGR is Considered.

In HT 2 a category based on the tariff application filed the estimated growth is considered.


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The following are the projections of installation growth for FY-23 to FY-25 is reproduced as under Hon'ble commission is requested to consider the same.

Installation Growth

Tariff Category	Actual 31/03/2021	Mid Year Actual 30/09/2021	Projected 31/03/2022	Midyear Projected 30/09/2022	Projected 31/03/2023	Midyear Projected 31/09/2023	Projected 31/03/2024	Midyear Projected 31/09/2024	Projected 31/03/2025	CAGR% 31/03/2022	CAGR% 31/03/2023	CAGR% 31/03/2024	CAGR% 31/03/2025
LT 1	597675	597675	597675	597675	597675	597675	597675	597675	597675	0.00%	0.00%	0.00%	0.00%
LT 2 (a)	1885548	1916389	1950922	1985447	2019973	2055824	2091675	2128518	2165361	4.91%	4.79%	4.64%	4.46%
LT 2 (b)	5338	5446	5611	5778	5945	6115	6285	6463	6640	7.25%	6.22%	5.71%	5.33%
LT 3	298803	304706	313268	319959	326650	333715	340779	348097	355415	5.44%	5.23%	5.06%	4.59%
LT 4 (a)	407519	411741	421261	426357	431453	436963	442473	448380	454287	4.26%	4.40%	4.18%	3.03%
LT 4 (b)	2298	2305	2325	2340	2355	2373	2390	2411	2431	5.22%	3.63%	2.80%	3.02%
LT 4 (c)	478	583	616	634	652	673	695	720	745	7.30%	10.01%	9.89%	10.38%
LT 5	68746	70304	73231	74773	76316	77955	79594	81354	83115	4.16%	4.21%	4.29%	4.42%
LT 6(a)	28071	28738	30739	32089	33439	34818	36197	37613	39029	12.01%	12.69%	10.49%	9.20%
LT 6(b)	15479	15362	15716	15864	16012	16194	16376	16594	16813	4.26%	4.05%	6.33%	4.92%
LT 7	39347	42880	44598	46813	49029	51332	53635	56086	58537	13.33%	16.66%	12.25%	12.40%
LT	3349302	3396129	3455962	3507730	3559499	3613636	3667773	3723910	3780046	4.01%	4.00%	3.88%	3.62%
HT 1	167	173	179	185	190	197	204	212	219	6.31%	6.43%	6.96%	6.74%
HT 2 a	1778	1796	1887	1936	1984	2038	2091	2149	2207	6.48%	6.20%	6.13%	6.14%
HT 2 b	434	440	465	479	493	510	526	543	560	5.63%	6.14%	6.56%	6.59%
HT 2 c	228	264	309	334	359	388	417	452	488	17.00%	19.08%	17.24%	17.76%
HT 3 a & b	431	444	464	482	501	520	540	560	580	10.13%	8.61%	6.54%	7.10%
HT 4	44	46	48	49	51	54	57	61	65	7.96%	9.70%	12.08%	12.43%
HT 5	46	52	54	56	59	62	65	68	71	9.67%	15.75%	12.15%	16.60%
HT	3128	3215	3406	3522	3638	3768	3899	4045	4191	7.48%	7.57%	7.30%	7.55%
TOTAL	3352430	3399344	3459367	3511252	3563137	3617405	3671672	3727955	3784237	4.01%	4.01%	3.88%	3.62%

Hon'ble Commission may kindly consider the same

vi) The table indicating the growth rates for the energy sales is furnished below:

Category	Percentage Growth Rates					
	2015-16 to 2020-21 CAGR	2017-18 to 2020-21 CAGR	FY20 growth over FY19	Growth Rate proposed by GESCOM for FY23	Growth Rate proposed by GESCOM for FY24	Growth Rate proposed by GESCOM for FY25
LT-2a	4.91%	6.40%	7.14%	3.60%	3.55%	3.54%
LT-2b	-0.17%	-7.22%	6.31%	6.10%	5.85%	5.62%
LT-3	3.72%	1.78%	8.39%	5.01%	4.30%	4.31%
LT-5	1.21%	2.28%	0.33%	6.36%	4.26%	4.36%
LT-6 WS	16.84%	15.32%	15.98%	11.66%	8.50%	8.03%
LT-6 SL	-0.42%	-4.43%	-3.35%	3.27%	2.08%	2.47%
HT-1	7.78%	4.40%	-1.35%	6.74%	6.70%	7.36%
HT-2 (a)	-1.91%	0.51%	-4.84%	7.79%	5.26%	5.47%
HT-2 (b)	-3.86%	-5.61%	3.96%	8.86%	6.36%	6.58%

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HT-2 (c)	12.44%	1.36%	12.82%	26.45%	16.16%	16.62%
HT-3(a)& (b)	6.63%	7.82%	1.76%	8.66%	7.85%	7.60%
HT-4	3.40%	6.76%	2.43%	7.56%	9.94%	12.27%

The Commission notes that the CAGR as well as FY21 growth rate for energy sales in most of the categories is negative+ or lower, due to reduction in sales during FY21 on account of Covid-19. Thus, comparing with FY20 growth rate, the Commission observations are as follows:

- Growth rate is lower for LT-2a, LT-3 & LT-6WS and
- Growth rate is higher for LT-5, LT-6 SL & all HT categories

GESCOM Reply:

To project Sales form FY-23 to FY-25 GESCOM has not considered CAGR growth based on average sales per installation in considered and same is explained in Tariff application page number 219.

Hon'ble Commission is requested to kindly consider the same.

2. Projected sales to IP Sets for the FY23 to FY25:

- Sales as per actuals and the number of IP installations incurred in the system during the period April 2021 to September 2021 is found not considered for projection of IP sales for FY22 and hence for FY23 to FY25.

GESCOM Reply:

GESCOM has considered the commission approved specific consumption (7510.02 units/ per installation per annum) as per tariff order 2020 dated 04-11-2020& multiplied with projected installation of FY-22 for revising IP set consumption for FY-22. For FY-23 to FY-25 the average consumption per installation is projected by taking IP set consumption for FY-21 divided by midyear installation of FY-21.

The sales for FY-22 to FY25 is represented below:

Tariff Category	Actual	Projected	Projected	Projected	Projected
	31/03/2021	31/03/2022	31/03/2023	31/03/2024	31/03/2025
LT 4 (a) Installation	407519	421261	431453	442473	454287
LT 4 (a) Sales	3041.47	3163.68	3210.81	3290.69	3376.66

Hon'ble commission is requested to kind consider the same as per above table.


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GESCOM, KALABURAGI

- b) GESCOM has to submit the feeder-wise, month-wise calculation sheet in respect of assessment of sales to IP installations for the period April 2020 to March 2021 and April 2021 to September 2021.

GESCOM Reply:

The Analyses / Calculation Sheet of IP Sets for FY-21 is already submitted through email on dated 15.12.2021 and FY-22 upto Sept-21 is enclosed as Annexure-A(2)(a).

GESCOM requests to Hon'ble Commission may kindly consider as per Annexure enclosed and email dated 15.12.2021.

- c) GESCOM has not mentioned anything on the methodology adopted for projection of number of consumers as well as sales. GESCOM shall furnish the detailed calculation in respect of consumers and sales projections for FY22 and FY23 to FY25.

GESCOM Reply:

Basis for arriving at the projected Installation

The Consumer Projections is been made using Compounded Annual Growth Rate Methodology (CAGR)

The formula used $(E/B)^{(1/N)} - 1$ i.e., (End year value/ Beginning year value) raise to 1/No. of years - 1

Five year data is used i.e., from FY-16 to FY-21 i.e. 5 Completed Years of Previous year actuals.

Wherever the installation projection is on higher/ lower side using CAGR methodology growth. The growth is restricted to an extent of normal growth.

The category wise projection is explained in tariff application page number 217 . GESCOM requests Hon'ble commission to kindly consider the as explained Tariff application

Basis for arriving at the projected energy sales

For Sales Growth:

The consumption of FY-21 is been divided by midyear installation of FY-21 for arriving average consumption for FY-22 and the same average consumption is multiplied with number of installation of FY-22 (Mid-year) installation to arrive sales for the year FY-22. The same is followed up for each year. i.e., the same average is multiplied with each mid-year to arrive sales for FY-23 to FY-25.


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The energy sales is projected based on the growth rates of two components i.e consumer growth and growth rate of per capita consumption. The two components are separately calculated as explained hereunder and the total energy requirement is calculated based on the Number of Consumers multiplied by the Average Consumption per installation grossed up for full year.

Hon'ble Commission may kindly consider the same.

- d) The GESCOM, in its tariff application for FY22 has not furnished total IP consumption for the period April to September 2021 without furnishing the month-wise break-up, as per the prescribed formats. In the absence of clear data, the Commission will not accept the sales for FY23 to FY25.

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

a. No. of Installations:

Category	2019-20 Actuals		2020-21 Actuals		2021-22	
	As on 30 th Nov 2019	As on 31 st March 2020	As on 30 th Nov 2020	As on 31 st March-2021	As on 30 th Nov 2021	As on 31 st March 2022 (Estimate)
LT-2a						
LT-2b						
LT-3						
LT-4 (b)						
LT-4 (c)						
LT-5						
LT-6						
LT-6						
LT-7						
HT-1						
HT-2 (a)						
HT-2 (b)						
HT2C						
HT-3(a)& (b)						
HT-4						
HT-5						
Sub Total (Other than BJ/KJ and IP)						
BJ/KJ<=40units/month						
BJ/kJ >40 units/month.						
IP sets-LT-4a						
Sub Total (BJ/KJ and IP)						
Grand Total						


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b. Energy Sales

	2019-20 Actuals		2020-21 Actuals		2021-22	
	1st April 2019 to 30th Nov 2019 (cumulative)	1st Dec 2019 to 31st March 2020 (cumulative)	1st April 2020 to 30th Nov 2020 (cumulative)	1st Dec 2020 to 31st March 2021 (cumulative)	1st April 2021 to 30th Nov 2021 (cumulative actuals)	1st Dec 2021 to 31st March 2022 (cumulative Estimate)
LT-2a						
LT-2b						
LT-3						
LT-4 (b)						
LT-4 (c)						
LT-5						
LT-6						
LT-6						
LT-7						
HT-1						
HT-2 (a)						
HT-2 (b)						
HT2C						
HT-3(a)& (b)						
HT-4						
HT-5						
Sub Total (Other than BJ/KJ and IP sets)						
BJ/KJ <=40 units/month						
BJ/kJ >40 units/month.						
IP sets LT 4a						
Sub Total (BJ/KJ and IP)						
Grand Total						

GESCOM Reply:

The sales, category-wise information is indicated in the following:

A. No. of Installations						
	2019-20 Actuals		2020-21 Actuals		2021-22	
Category	As on 30 th Nov-19	As on 31 st March 2020	As on 30 th Nov 2020	As on 31 st March 2021	As on 30th Nov 2021	As on 31 st Mar-22 (Estimate)
LT-2a	1792292	1830097	1863295	1885548	1928075	1950922
LT-2b	5070	5191	5325	5338	5630	5611
LT-3	281469	286835	293518	298803	307294	313268
LT-4 (b)	2063	2289	2297	2298	2305	2325
LT-4 (c)	442	451	463	478	585	616
LT-5	65464	66504	67665	68746	70679	73231


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

LT-6	24866	25208	26615	28071	28787	30739
LT-6	13115	13289	13769	15479	15413	15716
LT-7	32374	34850	35880	39347	43816	44598
HT-1	152	156	165	167	176	179
HT-2 (a)	1641	1695	1747	1778	1802	1887
HT-2 (b)	395	412	424	434	450	465
HT2C	198	213	221	228	267	309
HT-3(a)& (b)	404	422	429	431	444	464
HT-4	34	39	43	44	46	48
HT-5	33	42	44	46	54	54
Sub Total (Other than BJ/KJ and IP)	2220012	2267693	2311900	2347236	2405823	2440432
BJ/KJ<=40units/month	589178	589178	589278	589907	588551	589178
BJ/kJ > 40 units/month	8497	8497	8397	7768	9124	8497
IP sets-LT-4a	395628	399627	404437	407519	413926	421261
Sub Total (BJ/KJ and IP)	993303	997302	1002112	1005194	1011601	1018936
Grand Total	3213315	3264995	3314012	3352430	3417424	3459368

B. Energy Sales

Category	2019-20 Actuals		2020-21 Actuals		2021-22	
	1st April 2019 to 30th Nov 2019 (cumulative)	1st Dec 2019 to 31st March 2020 (cumulative)	1st April 2020 to 30th Nov 2020 (cumulative)	1st Dec 2020 to 31st March 2021(cumulative)	1st April 2021 to 30th Nov 2021(cumulative actuals)	1st Dec 2021 to 31st March 2022 (cumulative Estimate)
LT-2a	844.39	357.93	945.69	360.19	931.46	415.71
LT-2b	9.88	4.93	6.09	3.47	7.63	2.20
LT-3	236.00	116.82	212.05	117.86	234.68	109.88
LT-4 (b)	1.55	1.27	2.16	1.14	2.08	1.22
LT-4 (c)	0.72	0.44	0.97	0.46	1.20	0.62
LT-5	112.31	59.89	115.27	61.39	118.71	65.31
LT-6	273.33	140.34	271.22	127.82	246.93	194.71
LT-6	168.30	75.92	141.91	64.57	143.35	93.66
LT-7	15.00	7.28	13.50	7.36	16.65	8.43
HT-1	68.07	41.88	77.23	45.15	80.24	49.65
HT-2 (a)	703.58	385.24	539.36	371.92	725.81	307.09
HT-2 (b)	52.71	23.16	37.74	20.01	44.33	16.03
HT2C	19.37	10.28	14.36	9.48	24.63	4.25
HT-3(a)& (b)	59.83	55.71	61.55	43.50	69.95	38.78
HT-4	10.18	4.57	10.56	4.65	10.32	5.95
HT-5	7.26	3.86	8.06	7.44	7.18	9.98
Sub Total (Other than BJ/KJ and IP sets)	2582.49	1289.53	2457.71	1246.44	2665.15	1323.47
BJ/KJ<=40units/month	168.33	83.22	166.90	83.45	174.79	72.94


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

<i>BJ/kJ > 40 units/month.</i>	<i>4.38</i>	<i>2.22</i>	<i>4.50</i>	<i>1.76</i>	<i>6.48</i>	<i>2.40</i>
<i>IP sets LT 4a</i>	<i>1831.16</i>	<i>1222.84</i>	<i>1807.50</i>	<i>1233.97</i>	<i>2244.84</i>	<i>918.84</i>
<i>Sub Total (BJ/KJ and IP)</i>	<i>2003.86</i>	<i>1308.28</i>	<i>1978.90</i>	<i>1319.18</i>	<i>2426.12</i>	<i>994.18</i>
<i>Grand Total</i>	<i>4586.35</i>	<i>2597.82</i>	<i>4436.62</i>	<i>2565.62</i>	<i>5091.26</i>	<i>2317.65</i>

4. Power Purchase FY23 – FY25:

- a. As per the perspective plan, GESCOM has furnished the CAGR projection, to estimate the quantum of energy considered, for the control period FY23 to FY 25 is as detailed below:

Particulars	FY23	FY24	FY25
Sales(MU)	7610.45	7799.10	7929.00
Distribution loss in %	12.90	11.83	11.46
Energy at IF points(MU)	8737.39	8845.40	8955.24
Transmission loss in %	3.17	3.17	3.17
Energy requirement at Generation point (MU)	9023.10	9134.65	9248.08

- b. As per the tariff application filed by GESCOM, the projections filed for the control period FY23 to FY25 as shown below, are different from projections made in the perspective plan, earlier submitted to the Commission:

Particulars	FY23	FY24	FY25
Sales (MU)	7710.16	8004.53	8320.33
Distribution loss in %	10.70	10.65	10.60
Energy available at interface points (MU)	8634	8958.62	9306.86
Transmission loss (MU)	265.01	274.98	285.67
Energy available at generation points (MU)	8899.01	9233.60	9592.52

GESCOM Reply:

GESCOM has projected provisionally during preparation of business plan as there is non-availability of data such as power sources and the allocation thereof so thus the data furnished provisionally. Hon'ble commission is requested to kindly consider the data furnished for the control period Fy-23 to FY-25 as per tariff petition submission.

- c. GESCOM shall furnish the reasons for the modified quantum of energy for the control period, which is different from the figures shown in the perspective plan.

GESCOM Reply:

GESCOM has projected provisionally during preparation of business plan as there is non-availability of data such as power sources and the allocation thereof so thus the data

37


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

furnished provisionally . Hon'ble commission is requested to kindly consider the data furnished for the control period FY-23 to FY-25 as per tariff petition submission.

- d. In respect of Renewable Energy (RE), month-wise break up of source-wise capacity and energy shall be furnished. This is essential to analyse the month-wise variations of requirement of energy and availability from different sources.

GESCOM Reply:

Month wise break up of energy purchased from RE source is as detailed below.

<i>Month</i>	<i>Month wise energy requirement in Mu</i>	<i>Re Source in Mu</i>
<i>Apr-22</i>	<i>783.02</i>	<i>192.60</i>
<i>May-22</i>	<i>724.46</i>	<i>241.37</i>
<i>Jun-22</i>	<i>673.51</i>	<i>290.96</i>
<i>Jul-22</i>	<i>604.03</i>	<i>248.39</i>
<i>Aug-22</i>	<i>689.23</i>	<i>326.68</i>
<i>Sep-22</i>	<i>765.68</i>	<i>228.05</i>
<i>Oct-22</i>	<i>792.85</i>	<i>197.97</i>
<i>Nov-22</i>	<i>857.38</i>	<i>255.67</i>
<i>Dec-22</i>	<i>810.02</i>	<i>270.82</i>
<i>Jan-23</i>	<i>748.20</i>	<i>247.26</i>
<i>Feb-23</i>	<i>704.27</i>	<i>228.41</i>
<i>Mar-23</i>	<i>746.36</i>	<i>241.82</i>
<i>Total</i>	<i>8899.01</i>	<i>2970.00</i>

- e. GESCOM, in its projection has not shown any sale of surplus energy. The planned for sale of surplus energy may be furnished.

GESCOM Reply

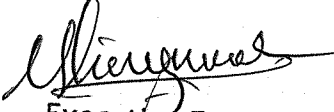
M/s PCKL has been delegated the powers to sell/Trade surplus energy on behalf of all the ESCOMs. The details of surplus energy allocated to GESCOM is as under:

<i>Year</i>	<i>FY-23</i>	<i>FY-24</i>	<i>FY-25</i>
<i>Surplus energy in Mu</i>	<i>307.29</i>	<i>209.11</i>	<i>119.72</i>

- f. In respect of thermal energy, GESCOM has considered high rate of variable cost for the control period. GESCOM shall furnish a detailed analysis for projecting the variable cost source-wise for KPCL thermal, UPCL and CGS duly comparing it with the previous control period.

GESCOM Reply:

Variable cost for the FY 22-23 is based on the average variable cost for the months of July 2021 to Sept 2021. This is the actual variable cost paid to the generator by the GESCOM


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Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

Projected variable cost for FY 2022-23 & Actual variable cost for FY 2020-21 is as below.

	Stations	Projected Variable Charge-ps/unit FY 22-23	Actual Variable charges FY 20-21
I	KPCL -Thermal		
1	RTPS -1 & 7	283.17	318.16
2	RTPS 8	283.17	358.40
	BTPS		
3	Unit I	281.30	297.97
4	Unit II	277.73	289.87
5	Unit III	255.70	288.14
6	Yelahanka Combined Cycle gas Power projects	320.00	
	Raichur Power Corporation ltd		
1	Yermarus TPS - 1 & 2	272.00	294.78
B	Central Projects		
1	N.T.P.C-RSTP-I&II	262.97	239.05
2	NTPC-III	258.57	219.68
3	NTPC-Talcher	177.23	198.26
4	NLC TPS2-Stage 1	265.07	342.32
5	NLC TPS2-Stage 2	265.07	200.11
6	NLC TPS1-Expn	240.67	347.50
7	NLC II expansion(2X500MW)	255.73	267.06
8	New NLC Thermal Power project	218.93	228.06
9	MAPS	257.14	259.48
10	Kaiga Unit 1&2	346.40	344.49
11	Kaiga Unit 3 &4	346.40	344.49
12	Simhadri Unit -1 &2	287.27	330.02
13	Vallur TPS Stage I &2 &3	304.93	370.53
14	NTPL	294.30	300.07
15	Kudamkulam Unit-1	409.10	410.19
16	Kudamkulam Unit-2	409.10	410.19
17	Kudgi Units 1, 2 and 3	341.93	291.71
18	Damodhar valley Corporation-Meja thermal Power Station	292.00	276.92
19	Damodhar valley Corporation-Kodemma thermal Power Station	274.73	264.82
C	IPPs-Major		
1	UPCL	516.44	336.81
	Total C	516.44	336.81

5. Capital Investment Plan for FY23-FY25:

1. GESCOM has proposed the Capex of Rs.791.45 Crores, Rs.782.22 Crores and Rs.765.27 Crores for FY23, FY24 and FY25 respectively for the control period, under MYT regime. The


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

total capex proposed for the control period is Rs. 2338.94 Crores. Commission notes that the proposed capex for the control period in tariff filing is not in line with capex proposed under perspective plan. This shows that GESCOM is not planning its capex properly. These proposals are not backed up with proper data to justify the huge capex. No specific strategy / plan is set to improve the techno commercial efficiency of the GESCOM by considering reform parameters to cover grey areas, to ensure reliable power supply to increase operational performance, which intern gives the real benefits to the consumers are not furnished and no proper justification is given for taking up each category of works is furnished.

GESCOM Reply:

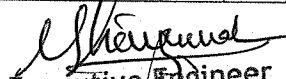
GESCOM would like to inform the Hon'ble commission that, when the above MYT was proposed GECOM was not allocated with funds under RDSS. Now GESCOM has been allocated a sum of Rs 1519.02Crs for RDSS from MoP/GoI for loss reduction and modernization works. Out of this 60% grants will be released by MoP and 40% to be met out of own funding of GESCOM. Further out of the allocated amount Rs.789.59Crs is earmarked for loss reduction measures and Rs729.43Crs towards Modernization works. Apart from this GESCOM is also instructed to take up the work of consumer metering,DTC metering and feeder metering for which GESCOM has proposed a sum of Rs833Crs.For metering work 15% grants will be given by MoP/GoI and balance 85% is to be borne by GESCOM. This work is to be taken under TOTEX model.

Hence in view of the above GESCOM has reconciled/revised the MYT for control period of FY23, FY-24 and FY-25 and would request the Hon'ble commission to consider the reconciled/revised MYT. The details of revised MYT are indicated as below for kind consideration.



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Funding arrangement for Proposed Capital Budget (including spillover) for FY 2022-23

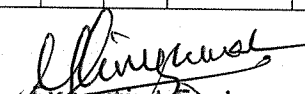
Sl. No.	Particulars	Grant (GOI) FY 2022-23	Borrowing FY 2022-23	Internal accrual- FY 2022-23	Equity (GOK) FY 2022-23	GOK contribution on FY 22-23	Capex budget proposed for FY 2022-23	Expected expenditure to be booked during FY 2022-23	Land	Station	Transformer	Line	Other	Total Asset Categorized
1	GKS-SC													
2	GKS-ST													
3	GKS-BC													
4	GKS-Min													
5	GKS-Vishwakarma													
5(a)	GK Karnataka Uppar Abhivrudhi Nigam		6464.5			2770.5	9235	8311.5			3324.6	4986.9		8311.5
5(b)	GK Ambigara Chowdayya Nigam													
5(c)	GK Karnataka Adi Jamabava Abhivrudhi Nigam													
5(d)	GK Karnataka Bhuvi Abhivrudhi Nigam													
6	Water Works.					1435	1435	1435			574	861		1435
7	25 kVA Additional DTCs.													
8	63 kVA Additional DTCs.		770	385	385		1540	924			924			924
9	100 kVA Additional DTCs.													
10	250KVA Additional DTCs.													
11	25kVA to 63kVA DTC Enhancement.													
12	63kVA to 100kVA DTC Enhancement.		991.8	110.2			1102	661.2			661.2			661.2
13	100KVA to 250KVA DTC Enhancement.													
14	Shifting of existing DTC to load center.		216		54		270	162				162		162
15	LT Line Conversion of 1 Ph 2 wire or 1 Ph 3 wire to 3Ph 5 Wire (Including providing ABC,UG cable etc).			100			100	60				60		60
16	Providing SMC Box to DTCs.		50				50	15					15	15
17	Replacement of Damaged poles			902		902	1804	1804				1804		1804


 Executive Engineer
 Regulatory Affairs
 Corporate Office,
 GESCOM, KALABURAGI

40	Replacement of Power Transformers			518				518				518				
41	Replacement of Old and failed equipments and other works of existing 33kV Stations & Lines.	1060.5	454.5	0				1515	1515			606	909			1515
42	Preventive measures to reduce the accidents (Providing intermediate poles, Re-stringing of sagging lines, providing guy and stud, guarding, shifting of lines, fencing of DTCs)		443.6	1774.4				2218	1774.4						1774	1774.4
43	Safety Materials		182					182	182						182	182
44	Civil works		2505					2505	2505							2505
45	SCPT/TSP			1015				1015	1015			406	609			1015
46	SDP works			1815				1815	1815			726	1089			1815
47	HT Conductor by 11KV AB Cable		350.4	87.6				438	131.4				131.4			131.4
48	T&P Materials i) Furniture		100					100	100						100	100
49	Computer and Printers (T & P materials)		149					149	100						100	100
50	Shifting of meter from I to O	311.4	34.6					346	311.4						311.4	311.4
51	CWIP- Capital Expenditure booked for restoration of infrastructure in flood affected areas.			3500				3500	3150			945	2205			3150
52	Solar Roof Top of existing GESCOM buildings and substations under 13th Finance Commission.	1205						1205	723						723	723
53	Revamped Distribution Sector Scheme (Loss reduction and Modernization)	17264	6108.9	5400.3				28773	20141						20141.1	20141.1
54	Revamped Distribution Sector Scheme (Smart metering to DTC and Consumer Smart Metering)	0						0							0	0
Total		18493.8	26789.4	13846.89	14907.31	5107.5	79145	62175.66	2803.3	1193.3	11482.6	20506.8	26189.7	62175.655		


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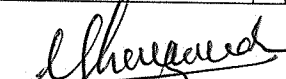
Funding arrangement for Proposed Capital Budget (including spillover) for FY 2023-24														
Amount in Lakhs.														
Sl. No.	Particulars	Grant (GOI) FY 2023-24	Barrowings FY 2023-24	Internal FY 2023-24	Equity (GOK) FY 2023-24	GOK contribution on FY 23-24	Capex budget proposed for FY 2023-24	Expected Expenditure for FY 2023-24	Land	Station	Transformer	Line	Other	Total Asset Categorized
1	GKS-SC		6447			2763	9210	8289			3315.6	4973.4		8289
2	GKS-ST													
3	GKS-BC													
4	GKS-Min													
5	GKS-Vishwakarma													
5(a)	GK Karnataka Uppar Abhivrudhi Nigam													
5(b)	GK Ambigara Chowdayya Nigam													
5(c)	GK Karnataka Adi Jamabava Abhivrudhi Nigam													
5(d)	GK Karnataka Bhuvi Abhivrudhi Nigam													
6	Water Works.					1390	1390	1390			556	834		1390
7	25 kVA Additional DTCs.													
8	63 kVA Additional DTCs.		750	375	375		1500	900			900			900
9	100 kVA Additional DTCs.													
10	250KVA Additional DTCs.													
11	25kVA to 63kVA DTC Enhancement.													
12	63kVA to 100kVA DTC Enhancement.		545	272.5	272.5		1090	654			654			654
13	100KVA to 250KVA DTC Enhancement.													
14	Shifting of existing DTC to load center.		200		50		250	150					150	150
15	LT Line Conversion of 1 Ph 2 wire or 1 Ph 3 wire to 3Ph 5 Wire (Including providing ABC,UG cable etc).			101			101	60.6				60.6		60.6
16	Providing SMC Box to DTCs.		70				70	21					21	21
17	Replacement of Damaged poles		887.5			887.525	1775.05	1775.05				1775.1		1775.05
18	Energisation of IP Sets under		535.1				535.06	267.53			107.01	160.52		267.53


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 Corporate Office,
 GESCOM, KALABURAGI

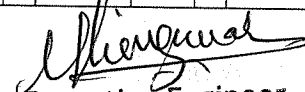
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Funding arrangement for Proposed Capital Budget (including spillover) for FY 2024-25

Sl. No.	Particulars	Grant (GOI) FY 2024-25	Barrowings FY 2024-25	Internal accrrual- FY 2024-25	Equity (GOK) FY 2024-25	GOK contributi on FY 24-25	Capex budget proposed for FY 2024-25	Expected Expenditure for FY 2024-25	Land	Station	Transformer	Line	Amount in Lakhs.	
													Other	Total Asset Categorized
1	GKS-SC													
2	GKS-ST													
3	GKS-BC													
4	GKS-Min													
5	GKS-Vishwakarma													
5(a)	GK Karnataka Uppar Abhivrudhi Nigam		6433		2757		9190	8271			3308.4	4962.6		8271
5(b)	GK Ambigara Chowdayya Nigam													
5(c)	GK Karnataka Adi Jamabava Abhivrudhi Nigam													
5(d)	GK Karnataka Bhuvi Abhivrudhi Nigam													
6	Water Works.					1380	1380	1380			552	828		1380
7	25 kVA Additional DTCs.													
8	63 kVA Additional DTCs.		650	325	325		1300	780			780			780
9	100 kVA Additional DTCs.													
10	250KVA Additional DTCs.													
11	25kVA to 63kVA DTC Enhancement.													
12	63kVA to 100kVA DTC Enhancement.		525	262.5	262.5		1050	630			630			630
13	100KVA to 250KVA DTC Enhancement.													
14	Shifting of existing DTC to load center.		116		29		145	87					87	87
15	LT Line Conversion of 1 Ph 2 wire or 1 Ph 3 wire to 3Ph 5 Wire (Including providing ABC,UG cable etc).			201			201	121				120.6		120.6
16	Providing SMC Box to DTCs.		100				100	30					30	30
17	Replacement of Damaged poles		885.3			885.3	1771	1771				1770.6		1770.6
18	Energisation of IP Sets under General category		530.6				531	265			106.12	159.18		265.3

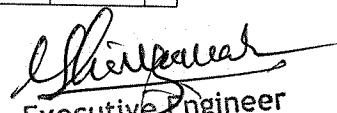

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19	Energisation of IP Sets under General category (Shigrra Samparka Yojane)		165.08	660.32		825	743	298.3	1193	297.14	445.72	742.86
20	Service Connection works other than IP/BJ/KJ/Water works.	1028.5	257.12			1286	1286				1286	1285.6
21	Sub Stations.											
22	Stations Augmentation											
23	Providing 33kV new link Lines for bifurcation load and Express Feeder	1750		750		2500	2983	298.3	1193	894.96	596.64	2983.2
24	Providing 11kV new link Lines for bifurcation load and Express Feeder	800.0	200			1000	600				600	600
25	Un Authorized IP Sets	1200		300		1500	900			180	720	900
26	Providing meters to IP Sets above 10 HP		45			45	23				22.5	22.5
27	Providing meters to BJ/KJ			105		105	21				21	21
28	Providing meters to Street Lights and Water Supply.		63	63		126	126				126	126
29	Replacement of Faulty / MNR energy meters other than BJ/KJ/ Street Light.		110			110	110				110	110
30	Replacement of EM meters by Static meters	80	20			100	75				75	75
31	DTC Metering of non RAPDRP	33.75		101.25		135	68				67.5	67.5
32	Replacement of 33kV Line Rabbit Conductor by Coyote Conductor	225	90	135		450	180				180	180
33	11kV Re-Conductoring	2400		2400		4800	2880				2880	2880
34	LT Re-Conductoring											
35	IT Initiatives, Automation and Call Centers	606				1515	1515				1515	1515
36	Establishing ALDC & SCADA	0	0			0	0				0	0
37	Distribution Automation System (DAS)	0	0			0	0				0	0
38	DSM					25	3				2.5	2.5
39	Replacement of failed Distribution Transformers by New Transformer by Scraping failed Transformer which is beyond Repair.		1105			1105	1105			1105		1105
40	Replacement of Power Transformers		510			510	510			510		510


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 GESCOM, KALABURAGI

48

41	Replacement of Old and failed equipments and other works of existing 33kV Stations & Lines.	1694	726	0	2420	2420	2420	968	1452	2420
42	Preventive measures to reduce the accidents (Providing intermediate poles, Re-stringing of sagging lines, providing guy and stud, guarding, shifting of lines, fencing of DTCs)		441	1764	2205	1764				1764
43	Safety Materials		162		162	162				162
44	Civil works		1650		1650	1650				1650
45	SCP/TSP			995	995	995			597	995
46	SDP works			1765	1765	1765			1059	1765
47	HT Conductor by 11KV AB Cable		344	86	430	129			129	129
48	T&P Materials i) Furniture		100		100					
49	Computer and Printers (T & P materials)		135		135	100			100	100
50	Shifting of meter from I to O	301.5	33.5		335	302			301.5	301.5
51	CWIP- Capital Expenditure booked for restoration of infrastructure in flood affected areas.			4000	4000	3600		1080	2520	3600
52	Solar Roof Top of existing GESCOM buildings and substations under 13th Finance Commission.	0			0	0			0	0
53	Revamped Distribution Sector Scheme (Loss reduction and Modernization)	41356	27571		68927	55142			55142	55141.6
54	Revamped Distribution Sector Scheme (Smart metering to DTC and Consumer Smart Metering)	7245	41055		48300	38640			38640	38640
Total		49535.2	87984.43	16498.07	2265.3	163228	133129	11516	19020	99451
			6945.2							133129


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 Regulatory Affairs
 Corporate Office,
 GESCOM KALABURAGI

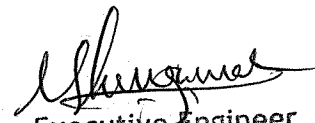
2. GESCOM shall provide necessary justification on each of the works in terms of its purpose, requirement, physical progress, cost and timelines of completion along with Division-wise abstract of works, no. of works proposed to be taken in each of the year for the Control Period.

GESCOM Reply:

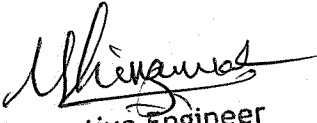
The justification and details are shown below for the Control Period 2022-23 to 2024-25.

Capex Plan for FY 2022-23

Sl.No.	Particulars	Capex Proposed for FY 2022-23 (Rs.in Lakhs)	Justification
1	GKS-SC	9235	This is a social obligatory in nature to facilitate the farmers in rural areas. Capex under these account heads is required for sanctioning of estimates pertaining to Energization of Ganga Kalyan beneficiaries of various corporations by created necessary infrastructure. A part of proposed budget will be subsidized by GoK. Each year GESCOM takes up Energization of average 5000 IP sets under GK schemes of various corporation. For these works Govt Karanataka will assign the target every year and same needs to be energized.
2	GKS-ST		
3	GKS-BC		
4	GKS-Min		
5	GKS-Vishwakarma		
5(a)	GK Karnataka Uppar Abhivrudhi Nigam		
5(b)	GK Ambigara Chowdayya Nigam		
5(c)	GK Karnataka Adi Jamabava Abhivrudhi Nigam		
5(d)	GK Karnataka Bhuvi Abhivrudhi Nigam		
6	Water Works.	1435	Capex for this work is required for sanctioning of estimates for creation of infrastructure for drinking water supply installations registered by respective Zilla Panchayat authorities. After execution of the work entire cost will be re-imbursed by respective ZP authorities. Every year GESCOM takes about 550-600 water supply works .It is the mandatory responsibility of ESCOMs for execution of water works.
7	25 kVA Additional DTCs.	1540	To ensure reliable and un interrupted power supply it is essential to add new DTCs of suitable capacity to the distribution network to provide load relief to the existing DTCs. For FY-23 GESCOM has proposed to add 430 Nos of 25KVA DTCs,258 Nos of 63KVA DTCs 97Nos of 100KVADTCs and 57 Nos of 250KCA DTCs with a total outlay of Rs 15.40Cr.
8	63 kVA Additional DTCs.		
9	100 kVA Additional DTCs.		
10	250KVA Additional DTCs.		
11	25kVA to 63kVA DTC Enhancement.	1102	Where ever it is not feasible to provide load relief to the over loaded transformer by providing additional transformer of same capacity due to space constraint etc, the existing transformer is being replaced by new one of next higher capacity. The details of proposed enhancement for this FY with an outlay of Rs 11.02Cr is as follows.1) 420 Nos 25KVA to 63KVA
12	63kVA to 100kVA DTC Enhancement.		
13	100KVA to 250KVA DTC Enhancement.		
14	Shifting of existing DTC to load center.	270	2)322 Nos 63kVA to 100kVA 3)19 Nos 100KVA to 250KVA A sum of Rs 2.70Cr is proposed to solve low voltage problem to the consumer DTCs are being shifted to load centre.


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

15	LT Line Conversion of 1 Ph 2 wire or 1 Ph 3 wire to 3Ph 5 Wire (Including providing ABC,UG cable etc).	100	In order to reduce DTC failure and to avoid burning of street lights during day time capex of Rs1.0 Cr is proposed for phase conversion.
16	Providing SMC Box to DTCs.	50	To safe guard DTCs of 100KVA and higher capacity in the event of short circuit SMC box is fixed.
17	Replacement of Damaged poles	1804	For replacement of poles damaged due to natural calamity like heavy rain and wind and flood in river bank areas and other unforeseen reason a sum of Rs 18.04Crs is proposed under Capex.
18	Energisation of IP Sets under General category	565	IP sets other than GK and Shighra samparka are being energized as per the order of seniority maintained at sub-division office duly collecting Rs 10000 infrastructure charges and other applicable deposits. every year about 500 -600 will be energized.
19	Energisation of IP Sets under General category (Shighra Samparka Yojane)	860	Under shighra samparka scheme entire cost of infrastructure for energization of IP set is borne by the consumer except 25KVA DTC which is supplied by GESCOM on need assessment basis. Every year 800-1000 SSY IP sets are energized.
20	Service Connection works other than IP/BJ/KJ/Water works.	1306	For creation of infrastructure for A/P/S to various categories of consumers other than BJ/KJ/Water works by collecting service line and IDC Capex of Rs 13.06Crs is proposed.
21	Sub Stations.	2000	New sub-station are constructed as a long term measure to overcome the problem of low voltage at tail end and power interruptions thereby improving voltage regulation quality and reliability of power supply. The average cost per sub-station with Transformer, associated line, equipment and civil portion works out to be Rs 5.83Crs.
22	Stations Augmentation		For bifurcating load of existing overloaded 5MVA power transformer an additional 5MVA power transformer is being provided. This will result in minimizing the interruptions due to over loading and maintaining reliable power supply.
23	Providing 33kV new link Lines for bifarcation load and Express Feeder		To improve voltage regulation at the tail end and to reduce interruptions, link lines are constructed.
24	Providing 11kV new link Lines for bifarcation load and Express Feeder	1500	To improve voltage regulation at the tail end and to reduce interruptions, link lines are constructed.
25	Un Authorized IP Sets	3000	As a mandatory measure GESCOM is creating necessary infrastructure for the un-authorize IP sets already running in the system by collection Rs10000 infrastructure fee and other applicable deposits. For FY-23 it is proposed to create infrastructure for 3000 UAIP beneficiaries with a financial outlay of Rs 30.0Crs
26	Providing meters to IP Sets above 10 HP	50	For energy accounting this work is taken up.
27	Providing meters to BJ/KJ	100	For energy accounting this work is taken up.
28	Providing meters to Street Lights and Water Supply.	100	For energy accounting this work is taken up.
29	Replacement of Faulty / MNR energy meters other than BJ/KJ/ Street Light.	100	As and when faulty/MNR meters are identified, same are replaced with good one for energy accounting and billing purpose.

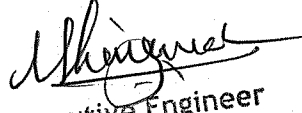

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 Regulatory Affairs
 Corporate Office,
 GESCOM, KALABURAGI

30	Replacement of EM meters by Static meters	101	Budget provision is made for replacement of any electromechanical meters by static energy meters for high accuracy.
31	DTC Metering of non RAPDRP	303	For energy accounting this work is taken up.
32	Replacement of 33kV Line Rabbit Conductor by Coyote Conductor	194	To improve quality and reliability of power supply low capacity conductors are replaced by new one of higher capacity. This work will be taken up in Humnabad division.
33	11kV Re-Conductoring	7005	A sum of Rs 70Cr is earmarked for strengthening of distribution network by replacing age old/obsolete conductor by new one and also replacing the existing conductor by new one of higher capacity.
34	LT Re-Conductoring		
35	IT Initiatives, Automation and Call Centers	1000	Various IT activities like ERP and development of various Apps and to implement various emerging technologies in distribution sector budget has been proposed.
36	Establishing ALDC & SCADA	0	
37	Distribution Automation System (DAS)	0	
38	DSM	25	For various energy conservation and public awareness activities sum of Rs 25Lakh is earmarked.
39	Replacement of failed Distribution Transformers by New Transformer by Scraping failed Transformer which is beyond Repair.	1120	Every year out of failed distribution transformers about 5 to 8% distribution transformers cannot be repaired due to old age, deterioration of core, laminations, damaged body etc which needs to be scrapped after detail examination. Further same quantum of transformers to be replaced by new one.
40	Replacement of Power Transformers	518	This budget is proposed for replacement of failed power transformer by good one to maintain power supply.
41	Replacement of Old and failed equipments and other works of existing 33kV Stations & Lines.	1515	In the company jurisdiction 150 nos of 33/11 kv substations are existing. Many equipments in these stations have served for more than 20years, in such substations age old equipments are frequently getting failed causing prolonged interruptions and needs to be replaced by new one for which budget provision has been made.
42	Preventive measures to reduce the accidents (Providing intermediate poles, Re-stringing of sagging lines, providing guy and stud, guarding, shifting of lines, fencing of DTCs)	2218	It is a continuous process of identification of hazardous locations and rectification for prevention of electrical accidents to human life and property as well as animals. To meet out these works budget provision has been made and also more emphasis has been given for shifting of lines, DTCs etc existing in and around schools, colleges and hostels.
43	Safety Materials	182	For safety of maintenance staff safety gears are provided.
44	Civil works	2505	This capex proposed towards payment of ongoing works and construction new section office buildings/sub division buildings presently running in rented buildings
45	SCP/TSP	1015	This budget is given by Govt of Karnataka, under this account head GESCOM is taking GK works of SC and ST Categories
46	SDP works	1815	GESCOM receives grants from GoK for taking various works in most backward talukas for arranging quality and reliable power supply.

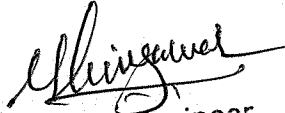
47	HT Conductor by 11KV AB Cabie	438	These works are taken in accident prone areas such as narrow lanes, congested locations. These works are proposed in Ballary City area.
48	T&P Materials i) Furniture	100	For replacement of old and obsolete furniture and to provide new furniture on need basis this budget is proposed.
49	Computer and Printers (T & P materials)	149	To provide new computers and printers on need basis for smooth functioning of offices this budget is proposed.
50	Shifting of meter from Inside to Outside	346	To avoid theft and pilferage energy meters are shifted outside the consumer premises. If any installation with energy meter existing inside is identified meter is shifted outside. Hence a sum of Rs3.46Cr is proposed.
51	CWIP- Capital Expenditure booked for restoration of infrastructure in flood affected areas.	3500	The jurisdiction of GESCOM coming under river bed areas of Krishna, Bhima, Tungabhadra, kagina faces severe loss every year to electrical infrastructure due to heavy rain and flood. Hence for restoration of power supply in flood affected areas an outlay of Rs 35.0Cr is proposed for FY-23.
52	Solar Roof Top of existing GESCOM buildings and substations under 13th Finance Commission.	1205	For solarisation of government office buildings, and also schools, colleges, hostels GoK has given funds under 13th finance for which already works has been awarded and works under progress.
53	Revamped Distribution Sector Scheme (Work involves Distribution Infrastructure works & Loss Reduction works)	28773	GOI/MOP has proposed for implementation of Result Linked Reform Based Revamped Distribution Sector Scheme for improving operational efficiency of DISCOM by way of taking various measures for loss reduction, modernization and upgrading the metering infrastructure. GESCOM has been allocated with Rs.1519.19 Crs which needs to be executed/utilized in 3 years. Apart from this it is also proposed to take up DTC metering with AMI feature and provide prepaid paid smart metering to all govt. installations and other consumer with an outlay of Rs 833.0Cr. For FY-23 the budget provision has been made for Rs 287.77Cr towards loss reduction works as per the priority of works
54	Revamped Distribution Sector Scheme (Work involves DTC metering and Consumer Metering works)	0	Under RDSS it is proposed to take up DTC metering with AMI feature and provide prepaid paid smart metering to all govt. installations and other consumers with an overall outlay of Rs 833.0Cr from FY 2023-24 and FY 2024-25
Total		79145	

Capex Plan for FY 2023-24

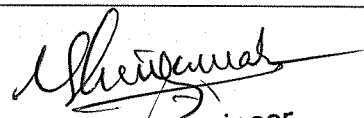
Sl.No.	Particulars	Capex Proposed for FY 2023-24 (Rs.in Lakhs)	Justification
1	GKS-SC	9210	This is a social obligatory in nature to facilitate the farmers in rural areas. Capex under these account heads is required for sanctioning of estimates pertaining to Energization of Ganga Kalyan beneficiaries of various corporations by created necessary infrastructure. A part of proposed budget will be subsidized by GoK. Each year GESCOM takes up Energization of average 5000 IP sets under GK schemes of various corporation. For these
2	GKS-ST		
3	GKS-BC		
4	GKS-Min		
5	GKS-Vishwakarma		
5(a)	GK Karnataka Uppar Abhivrudhi Nigam		


 Executive Engineer
 Regulatory Affairs
 Corporate Office,
 GESCOM, KALABURAGI

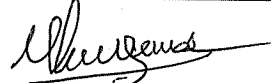
5(b)	GK Ambigara Chowdayya Nigam		works Govt. of Karnataka will assign the target every year and same needs to be energized.
5(c)	GK Karnataka Adi Jamabava Abhivrudhi Nigam		
5(d)	GK Karnataka Bhuvi Abhivrudhi Nigam		
6	Water Works.	1390	Capex for this work is required for sanctioning of estimates for creation of infrastructure for drinking water supply installations registered by respective Zilla Panchayat authorities. After execution of the work entire cost will be re-imbursed by respective ZP authorities. Every year GESCOM takes about 550-600 water supply works. It is the responsibility of ESCOMs for execution of water works.
7	25 kVA Additional DTCs.	1500	To ensure reliable and un interrupted power supply it is essential to add new DTCs of suitable capacity to the distribution network to provide load relief to the existing DTCs. For FY-24 GESCOM has proposed to add 400 Nos of 25KVA DTCs, 258 Nos of 63KVA DTCs 97Nos of 100KVADTCs and 57 Nos of 250KCA DTCs with a total outlay of Rs 15.00Cr.
8	63 kVA Additional DTCs.		
9	100 kVA Additional DTCs.		
10	250KVA Additional DTCs.		
11	25kVA to 63kVA DTC Enhancement.	1090	Where ever it is not feasible to provide load relief to the over loaded transformer by providing additional transformer of same capacity due to space constraint etc, the existing transformer is being replaced by new one of next higher capacity. The details of proposed enhancement for this FY with an outlay of Rs 10.90 Crs is as follows. 1) 420 Nos 25KVA to 63KVA 2) 314 Nos 63kVA to 100kVA 3) 19 Nos 100KVA to 250KVA
12	63kVA to 100kVA DTC Enhancement.		
13	100KVA to 250KVA DTC Enhancement.		
14	Shifting of existing DTC to load center.	250	A sum of Rs 2.50Cr is proposed to solve low voltage problem to the consumer DTCs are being shifted to load centre.
15	LT Line Conversion of 1 Ph 2 wire or 1 Ph 3 wire to 3Ph 5 Wire (Including providing ABC,UG cable etc).	101	In order to reduce DTC failure and to avoid burning of street lights during day time capex of Rs1.01 Cr is proposed for phase conversion.
16	Providing SMC Box to DTCs.	70	To safe guard DTCs of 100KVA and higher capacity in the event of short circuit SMC box is fixed.
17	Replacement of Damaged poles	1775	For replacement of poles damaged due to natural calamity like heavy rain and wind and flood in river bank areas and other unforeseen reason a sum of Rs 17.75Cr is proposed under Capex.
18	Energisation of IP Sets under General category	535	IP sets other than GK and Shighra samparka are being energized as per the order of seniority maintained at sub-division office duly collecting Rs 10000 infrastructure charges and other applicable deposits. every year about 500 -600 will be energized.
19	Energisation of IP Sets under General category (Shigra Samparka Yojane)	831	Under shighra samparka scheme entire cost of enrgization of IP set is borne by the consumer except 25KVA DTC which is supplied by GESCOM on need assessment basis. Every year 800-1000 SSY IP sets are energized.


 Executive Engineer
 Regulatory Affairs
 Corporate Office,
 GESCOM, KALABURAGI

20	Service Connection works other than IP/BJ/KJ/Water works.	1295	For creation of infrastructure for A/P/S to various categories of consumers other than BJ/KJ/Water works by collecting service line and IDC Capex of Rs,12.95Cr is proposed.
21	Sub Stations.	2000	New sub-station are constructed as a long term measure to overcome the problem of low voltage at tail end and power interruptions thereby improving voltage regulation quality and reliability of power supply. The average cost per sub-station with Transformer, associated line, equipment and civil portion works out to be Rs 5.83Cr.
22	Stations Augmentation		For bifurcating load of existing overloaded 5MVA power transformer an additional 5MVA power transformer is being provided. This will result in minimizing the interruptions due to over loading and maintaining reliable power supply.
23	Providing 33kV new link Lines for bifurcation load and Express Feeder		To improve voltage regulation at the tail end and to reduce interruptions, link lines are constructed.
24	Providing 11kV new link Lines for bifurcation load and Express Feeder	1000	To improve voltage regulation at the tail end and to reduce interruptions, link lines are constructed.
25	Un Authorized IP Sets	3000	As a mandatory measure GESCOM is creating necessary infrastructure for the un-authorized IP sets already running in the system by collection Rs10000 infrastructure fee and other applicable deposits. For FY-24 it is proposed to create infrastructure for 3000 UAIP beneficiaries with a financial outlay of Rs 30.0Cr
26	Providing meters to IP Sets above 10 HP	50	For energy accounting this work is taken up.
27	Providing meters to BJ/KJ	100	For energy accounting this work is taken up.
28	Providing meters to Street Lights and Water Supply.	102	For energy accounting this work is taken up.
29	Replacement of Faulty / MNR energy meters other than BJ/KJ/ Street Light.	101	As and when faulty/MNR meters are identifies, same are replaced with good one for energy accounting and billing purpose.
30	Replacement of EM meters by Static meters	100	Budget provision is made for replacement of any electromechanical meters by static energy meters for high accuracy.
31	DTC Metering of non RAPDRP	140	For energy accounting this work is taken up.
32	Replacement of 33kV Line Rabbit Conductor by Coyote Conductor	480	To improve quality and reliability of power supply low capacity conductors are replaced by new one of higher capacity.
33	11kV Re-Conductoring	695	A sum of Rs.6.95 Crs is earmarked for strengthening of distribution network by replacing age old/obsolete conductor by new one and also replacing the existing conductor by new one of higher capacity.
34	LT Re-Conductoring		
35	IT Initiatives, Automation and Call Centers	2000	Various IT activities like ERP and development of various Apps and to implement various emerging technologies in distribution sector budget has been proposed.
36	Establishing ALDC & SCADA	0	
37	Distribution Automation System (DAS)	0	


 Executive Engineer
 Regulatory Affairs
 Corporate Office,
 GESCOM, KALABURAGI

38	DSM	25	For various energy conservation and public awareness activities sum of Rs 25Lakh is earmarked.
39	Replacement of failed Distribution Transformers by New Transformer by Scraping failed Transformer which is beyond Repair.	1120	Every year out of failed distribution transformers about 5 to 8% distribution transformers can not be repaired due to old age , deterioration of core, laminations ,damaged body etc which needs to be scraped after detail examination. Further same quantum of transformers to be replaced by new one.
40	Replacement of Power Transformers	515	This budget is proposed for replacement of failed power transformer by good one to maintain power supply.
41	Replacement of Old and failed equipments and other works of existing 33kV Stations & Lines.	1400	In the company jurisdiction 150 nos of 33/11 kv substations are existing many of them have served for more than 20years,in such substations age old equipment's are frequently getting failed causing prolonged interruptions and needs to be replaced by new one for which budget provision has been made.
42	Preventive measures to reduce the accidents (Providing intermediate poles, Re-stringing of sagging lines, providing guy and stud, guarding, shifting of lines, fencing of DTCs)	2210	It is a continuous process of identification of hazardous locations and rectification for prevention of electrical accidents to human life and property as well as animals. To meet out these works budget provision has been made and also more emphasis has been given for shifting of lines, DTCs etc existing in and around schools, colleges and hostels.
43	Safety Materials	172	For safety of maintenance staff safety gears are provided.
44	Civil works	1600	This capex proposed towards payment of ongoing works and construction new section office buildings/sub division buildings presently running in rented buildings.
45	SCP/TSP	1010	This budget is given by Govt. of Karnataka, under this account head GESCOM is taking GK works of SC and ST Categories
46	SDP works	1785	GESCOM receives grants from GoK for taking various works in most backward talukas for arranging quality and reliable power supply.
47	HT Conductor by 11KV AB Cable	435	These works are taken in accident prone areas such as narrow lanes, congested locations.
48	T&P Materials i) Furniture	100	For replacement of old and obsolete furniture and to provide new furniture on need basis this budget is proposed.
49	Computer and Printers (T & P materials)	140	To provide new computers and printers on need basis for smooth functioning of offices this budget is proposed.
50	Shifting of meter from Inside to Outside	100	To avoid theft and pilferage energy meters are shifted outside the consumer premises. If any installation with energy meter existing inside is identified meter is shifted outside. Hence a sum of Rs1.00Cr is proposed.
51	CWIP- Capital Expenditure booked for restoration of infrastructure in flood affected areas.	4500	The jurisdiction of GESCOM coming under river bed areas of Krishna, Bhima, Tungabhadra, kagina faces severe loss every year to electrical infrastructure due to heavy rain and flood. Hence for restoration of power supply in flood affected areas an outlay of Rs 45.00Cr is proposed for FY-24.
52	Solar Roof Top of existing GESCOM buildings and substations under 13th Finance Commission.	1200	For solarisation of government office buildings, and also schools, colleges, hostels govt. of Karnataka has given funds under 13th finance for which already works has been awarded and works under progress.


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 Corporate Office,
 GESCOM, KALABURAGI

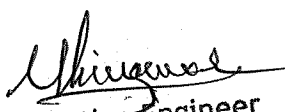
53	Revamped Distribution Sector Scheme (Work involves Distribution Infrastructure works & Loss Reduction works)	59000	GOI/MOP has proposed for implementation of Result Linked Reform Based Revamped Distribution Sector Scheme for improving operational efficiency of DISCOM by way of taking various measures for loss reduction, modernization and upgrading the metering infrastructure. GESCOM has been allocated with 1519.19 crs which needs to be executed/utilised in 3 years. Apart from this it is also proposed to take up DTC metering with AMI feature and provide prepaid smart metering to all govt. installations with an outlay of Rs 833.00Crs. For FY-24 the budget provision has been made for Rs 590.00Crs towards loss reduction works as per the priority of works
54	Revamped Distribution Sector Scheme (Work involves DTC metering and Consumer Metering works)	35000	Under RDSS it is proposed to take up DTC metering with AMI feature and provide prepaid smart metering to all govt installations and other consumers with an over all outlay of Rs 350.00Crs from FY-24
Total		138127	

Capex Plan for FY 2024-25

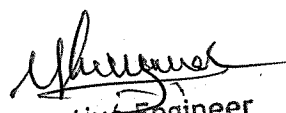
Sl.No.	Particulars	Capex Proposed for FY 2024-25 (Rs.in Lakhs)	Justification
1	GKS-SC	9190	This is a social obligatory in nature to facilitate the farmers in rural areas. Capex under these account heads is required for sanctioning of estimates pertaining to energization of Ganga Kalyan beneficiaries of various corporations by created necessary infrastructure. A part of proposed budget will be subsidized by GoK. Each year GESCOM takes up Energization of average 5000 IP sets under GK schemes of various corporation. For these works Govt. of Karanataka will assign the target every year and same needs to be energized.
2	GKS-ST		
3	GKS-BC		
4	GKS-Min		
5	GKS-Vishwakarma		
5(a)	GK Karnataka Uppar Abhivrudhi Nigam		
5(b)	GK Ambigara Chowdayya Nigam		
5(c)	GK Karnataka Adi Jamabava Abhivrudhi Nigam		
5(d)	GK Karnataka Bhuvi Abhivrudhi Nigam		
6	Water Works.	1380	Capex for this work is required for sanctioning of estimates for creation of infrastructure for drinking water supply installations registered by respective Zilla Panchayat authorities. After execution of the work entire cost will be re-imbursed by respective ZP authorities. Every year GESCOM takes about 550-600 water supply works. It is the mandatory responsibility of ESCOMs for execution of water works.
7	25 kVA Additional DTCs.	1300	To ensure reliable and un interrupted power supply it is essential to add new DTCs of suitable capacity to the distribution network to provide load relief to the existing DTCs. For FY-25 GESCOM has proposed to add 326 Nos of 25KVA DTCs, 206 Nos of 63KVA DTCs 97Nos of 100KVADTCs and 57 Nos of 250KCA DTCs with a total outlay of Rs 13.00Crs.
8	63 kVA Additional DTCs.		
9	100 kVA Additional DTCs.		
10	250KVA Additional DTCs.		
11	25kVA to 63kVA DTC	1050	Where ever it is not feasible to provide load relief to the over loaded


 Executive Engineer
 Regulatory Affairs
 Corporate Office,
 GESCOM, KALABURAGI

	Enhancement.		
12	63kVA to 100kVA DTC Enhancement.		transformer by providing additional transformer of same capacity due to space constraint etc, the existing transformer is being replaced by new one of next higher capacity. The details of proposed enhancement for this FY with an outlay of Rs 10.50Cr is as follows. 1) 399 Nos 25KVA to 63KVA 2) 306 Nos 63kVA to 100kVA 3) 19 Nos 100KVA to 250KVA
13	100KVA to 250KVA DTC Enhancement.		
14	Shifting of existing DTC to load center.	145	
15	LT Line Conversion of 1 Ph 2 wire or 1 Ph 3 wire to 3Ph 5 Wire (Including providing ABC, UG cable etc).	201	In order to reduce DTC failure and to avoid burning of street lights during day time capex of Rs2.01 Cr is proposed for phase conversion.
16	Providing SMC Box to DTCs.	100	To safe guard DTCs of 100KVA and higher capacity in the event of short circuit SMC box is fixed.
17	Replacement of Damaged poles	1771	For replacement of poles damaged due to natural calamity like heavy rain and wind and flood in river bank areas and other unforeseen reason a sum of Rs 17.71Cr is proposed under Capex.
18	Energisation of IP Sets under General category	531	IP sets other than GK and Shighra samparka are being energized as per the order of seniority maintained at sub-division office duly collecting Rs 10000 infrastructure charges and other applicable deposits. every year about 500 -600 will be energized.
19	Energisation of IP Sets under General category (Shighra Samparka Yojane)	825	Under shighra samparka scheme entire cost of enrgization of IP set is borne by the consumer except 25KVA DTC which is supplied by GESCOM on need assessment basis. Every year 800-1000 SSY IP sets are energized.
20	Service Connection works other than IP/BJ/KJ/Water works.	1286	For creation of infrastructure for A/P/S to various categories of consumers other than BJ/KJ/Water works by collecting service line and IDC Capex of Rs,12.86Cr is proposed.
21	Sub Stations.	2500	New sub-station are constructed as a long term measure to overcome the problem of low voltage at tail end and power interruptions thereby improving voltage regulation quality and reliability of power supply. The average cost per sub-station with Transformer, associated line, equipment and civil portion works out to be Rs 5.83Cr.
22	Stations Augmentation		For bifurcating load of existing overloaded 5MVA power transformer an additional 5MVA power transformer is being provided. This will result in minimizing the interruptions due to over loading and maintaining reliable power supply.
23	Providing 33kV new link Lines for bifurcation load and Express Feeder		To improve voltage regulation at the tail end and to reduce interruptions, link lines are constructed.
24	Providing 11kV new link Lines for bifurcation load and Express Feeder	1000	To improve voltage regulation at the tail end and to reduce interruptions, link lines are constructed.
25	Un Authorized IP Sets	1500	As a mandatory measure GESCOM is creating necessary infrastructure for the un-authorized IP sets already running in the system by collection Rs10000 infrastructure fee and other applicable deposits. For FY-23 it is proposed to create infrastructure for 1246 UAIP beneficiaries with a financial outlay of Rs 15.00Cr


 Executive Engineer
 Regulatory Affairs
 Corporate Office,
 GESCOM, KALABURAGI

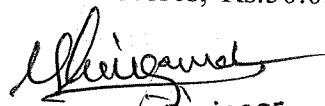
26	Providing meters to IP Sets above 10 HP	45	For energy accounting this work is taken up.
27	Providing meters to BJ/KJ	105	For energy accounting this work is taken up.
28	Providing meters to Street Lights and Water Supply.	126	For energy accounting this work is taken up.
29	Replacement of Faulty / MNR energy meters other than BJ/KJ/ Street Light.	110	As and when faulty/MNR meters are identifies, same are replaced with good one for energy accounting and billing purpose.
30	Replacement of EM meters by Static meters	100	Budget provision is made for replacement of any electromechanical meters by static energy meters for high accuracy.
31	DTC Metering of non RAPDRP	135	For energy accounting this work is taken up.
32	Replacement of 33kV Line Rabbit Conductor by Coyote Conductor	450	To improve quality and reliability of power supply low capacity conductors are replaced by new one of higher capacity.
33	11kV Re-Conductoring	4800	A sum of Rs 48.00Cr is earmarked for strengthening of distribution network by replacing age old/obsolete conductor by new one and also replacing the existing conductor by new one of higher capacity.
34	LT Re-Conductoring		
35	IT Initiatives, Automation and Call Centers	1515	Various IT activities like ERP and development of various Apps and to implement various emerging technologies in distribution sector budget has been proposed.
36	Establishing ALDC & SCADA	0	
37	Distribution Automation System (DAS)	0	
38	DSM	25	For various energy conservation and public awareness activities sum of Rs 25Lakh is earmarked.
39	Replacement of failed Distribution Transformers by New Transformer by Scraping failed Transformer which is beyond Repair.	1105	Every year out of failed distribution transformers about 5 to 8% distribution transformers cannot be repaired due to old age , deterioration of core, laminations ,damaged body etc which needs to be scrapped after detail examination. Further same quantum of transformers to be replaced by new one.
40	Replacement of Power Transformers	510	This budget is proposed for replacement of failed power transformer by good one to maintain power supply.
41	Replacement of Old and failed equipments and other works of existing 33kV Stations & Lines.	2420	In the company jurisdiction 150 nos of 33/11 kv substations are existing many of them have served for more than 20years,in such substations age old equipment's are frequently getting failed causing prolonged interruptions and needs to be replaced by new one for which budget provision has been made.
42	Preventive measures to reduce the accidents (Providing intermediate poles, Re-stringing of sagging lines, providing guy and stud, guarding,shifting of lines, fencing of DTCs)	2205	It is a continuous process of identification of hazardous locations and rectification for prevention of electrical accidents to human life and property as well as animals. To meet out these works budget provision has been made and also more emphasis has been given for shifting of lines, DTCs etc existing in and around schools, colleges and hostels.


 Executive Engineer
 Regulatory Affairs
 Corporate Office,
 GESCOM, KALABURAGI

43	Safety Materials	162	For safety of maintenance staff safety gears are provided.
44	Civil works	1650	This capex proposed towards payment of ongoing works and construction new section office buildings/sub division buildings presently running in rented buildings
45	SCP/TSP	995	This budget is given by Govt of Karnataka, under this account head GESCOM is taking GK works of SC and ST Categories
46	SDP works	1765	GESCOM receives grants from GoK for taking various works in most backward talukas for arranging quality and reliable power supply.
47	HT Conductor by 11KV AB Cable	430	These works are taken in accident prone areas such as narrow lanes, congested locations .
48	T&P Materials i) Furniture	100	For replacement of old and obsolete furniture and to provide new furniture on need basis this budget is proposed.
49	Computer and Printers (T & P materials)	135	To provide new computers and printers on need basis for smooth functioning of offices this budget is proposed.
50	Shifting of meter from Inside to Outside	335	To avoid theft and pilferage energy meters are shifted outside the consumer premises. If any installation with energy meter existing inside is identified meter is shifted outside. Hence a sum of Rs3.35Cr is proposed.
51	CWIP- Capital Expenditure booked for restoration of infrastructure in flood affected areas.	4000	The jurisdiction of GESCOM coming under river bed areas of Krishna, Bhima, Tungabhadra, Kagine faces severe loss every year to electrical infrastructure due to heavy rain and flood. Hence for restoration of power supply in flood affected areas an outlay of Rs 40.00Cr is proposed for FY-25.
52	Solar Roof Top of existing GESCOM buildings and substations under 13th Finance Commission.	0	For solarisation of government office buildings, and also schools, colleges, hostels govt. of karnataka has given funds under 13th finance for which already works has been awarded and works under progress.
53	Revamped Distribution Sector Scheme (Work involves Distribution Infrastructure works & Loss Reduction works)	68927	GOI/MOP has proposed for implementation of Result Linked Reform Based Revamped Distribution Sector Scheme for improving operational efficiency of DISCOM by way of taking various measures for loss reduction, modernization and upgrading the metering infrastructure. GESCOM has been allocated with Rs.1519.19 Crs which needs to be executed/utilised in 3 years. Apart from this it is also proposed to take up DTC metering with AMI feature and provide prepaid smart metering to all govt installations with an outlay of Rs 833.00 Crs. For FY-25 the budget provision has been made for Rs 689.27Cr towards loss reduction works as per the priority of works
54	Revamped Distribution Sector Scheme (Work involves DTC metering and Consumer Metering works)	48300	Under RDSS it is proposed to take up DTC metering with AMI feature and provide prepaid smart metering to all govt installations and other consumers with an over all outlay of Rs 483.0Cr from FY-25
Total		163228	

GESCOM requests Hon'ble Commission kindly consider the justifications as indicated above for FY-23 to 25.

3. Division-wise abstract of no. of beneficiaries and works pertaining to creation of infrastructure to UAIP to be carried out for the proposed capex of Rs.50.12 Crores, Rs.50.05 Crores and


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

Rs.10.00 Crores for FY 23 to FY25 respectively.

GESCOM Reply:

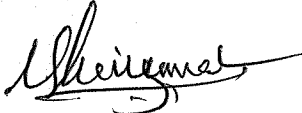
As per the revised MYT GESCOM has proposed a sum of Rs 30.0Crs for FY-23, Rs30.0crs for FY-24 and Rs 15.0Crs for FY-25 towards creation of infrastructure to UAIP beneficiaries. As at the end of Nov-21 there are 7246No of UAIP beneficiaries pending for creation of infrastructure. For FY-23 it is proposed to create infrastructure for 3000UAIP beneficiaries with a revised budget of Rs 30.0 Crs.Similarly for FY-24 out of pendency 3000 UAIP beneficiaries are expected to be covered and balance pendency of 1246 is proposed to be taken up during FY-25 with an outlay of Rs 15.0Crs The details of division wise pendency of UAIP beneficiaries and works proposed to be taken up during each year for the control period of MYT are as follows.

Sl. No.	Name of the Division	UAIP beneficiaries pending for creation of infrastructure exiting as on 30.11.21	No.of works proposed for FY-2022-23	Budget Proposed for FY-2022-23 (Rs.in Lakhs)	No.of works proposed forFY-2023-24	Budget Proposed for FY-2023-24 (Rs.in Lakhs)	No.of works proposed for FY-2024-25	Budget Proposed for FY-2024-25 (Rs.in Lakhs)
1	Kalaburagi-1	282	125	125	135	135	95	114.475
2	Kalaburagi-2	427	185	185	146	146	84	101.22
3	Sedam	453	145	145	110	110	60	72.3
4	Yadgir	337	285	285	270	270	120	144.6
5	Humnabad	598	340	340	380	380	78	92.82
6	Bidar	1416	210	210	240	240	68	81.94
7	Raichur	50	265	265	235	235	120	144.6
8	Sindhanoor	4	146	146	127	127	78	93.99
9	Gangavathi	181	165	165	180	180	73	87.965
10	Koppal	611	485	485	464	464	85	102.425
11	Hospet	2855	510	510	540	540	250	301.25
12	Ballari	32	139	139	173	173	135	162.675
GESCOM Total		7246	3000	3000	3000	3000	1246	1500.26

4. Division-wise, work-wise abstract pertaining to preventive measures to reduce the accidents for proposed capex of Rs.22.18 Crores, Rs. 22.10 Crores and Rs. 22.05 Crores for the control period and GESCOM shall also furnish the progress achieved in terms of reduction in accidents in comparison with previous control period till date.

GESCOM Reply:

As a mandatory measure GESCOM is taking up various works as detailed below to ensure safety to human life and property as well as safety of animals. More emphasis is being given for rectification of Hazardous Locations in and around the Schools, Colleges and hostels and other public places.


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

- 1) Preventive measures to reduce the accidents by providing intermediate poles, Re-stringing of sagging lines, providing guy and stud, guarding, shifting of lines, fencing of DTCs etc.,
- 2) Rectification of Hazardous Locations in and around the Schools, Colleges and hostels and other public places.
- 3) Shifting of Hazardous DTCs existing on footpath.

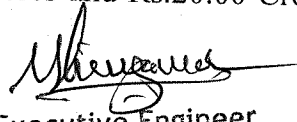
Division-wise, work-wise abstract pertaining to preventive measures to reduce the accidents for proposed capex of Rs.22.18 Crores, Rs. 22.10 Crores and Rs. 22.05 Crores for the control period details are as follows.

Sl. No.	Name of the Division	Capex Proposed for FY 2022-23 (Rs.in Lakhs)	Anticipated No. Of works pertaining to Preventive measures to reduce the accidents for FY 2022-23	Capex Proposed for FY 2023-24 (Rs.in Lakhs)	Anticipated No. Of works pertaining to Preventive measures to reduce the accidents for FY 2023-24	Capex Proposed for FY 2024-25 (Rs.in Lakhs)	Anticipated No. Of works pertaining to Preventive measures to reduce the accidents for FY 2024-25
1	Kalaburagi Urban	180	201	173	188	174	185
2	Kalaburagi-1	125	139	124	135	122	130
3	Kalaburagi-2	150	167	150	163	150	160
4	Sedam	152	168	152	165	152	161
5	Yadgir	203	225	203	220	202	215
6	Bidar	252	280	252	274	245	261
7	Humnabad	125	139	125	136	122	130
8	Ballari Urban	86	95	86	93	90	96
9	Ballari Rural	160	178	160	174	160	171
10	Hospet Urban	50	56	50	54	50	53
11	Hospet Rural	75	84	75	82	75	80
12	Raichur Urban	152	168	152	165	152	161
13	Raichur Rural	146	162	146	158	148	157
14	Sindhanoor	130	145	130	142	130	139
15	Koppal	132	147	132	144	132	141
16	Gangavati	101	112	101	110	101	107
Total		2218	2465	2210	2402	2205	2346

Details of Electrical accidents in GESCOM for FY 2019 and FY 2020 , FY-21 and FY-22 (up to Nov-21)

Sl. No.	Particulars		FY 2019-20	FY 2020-21	FY 2021-22 (up to November 21)
1	Total No .of accidents reported during the period	Human	205	192	145
		Animal	216	275	209
		Total	421	467	354

5. Complete details of works to be carried out under replacement of HT conductor by of 11KV AB cable for the proposed capex of Rs.10.00 Crores, Rs.15.00 Crores and Rs.20.00 Crores for FY


 Executive Engineer
 Regulatory Affairs
 Corporate Office,
 GESCOM, KALABURAGI

23 to FY25 respectively, need to be furnished.

GESCOM Reply:

GESCOM would like to submit the Hon'ble commission that, the afore said budget is not proposed by GESCOM. In MYT regime GESCOM has actually proposed a sum of Rs4.38 Crs for FY-23, Rs4.35 Crs for FY-24 and Rs 4.30 Crs for FY-25 and retained the same in revised MYT. These works are proposed to be taken up in Ballary Urban division jurisdiction in Ballary City area where existing OH lines are prone to accident. Hence for rectification of hazardous location to ensure safety of public life and property this work is proposed.

6. GESCOM shall furnish the tariff impact on consumers for the proposed capex to be met from borrowing.

GESCOM Reply:

GESCOM has factored in the tariff impact on consumer for projecting FY-23 to FY-25.

GESCOM requests to Hon'ble Commission may kindly be consider the same.

7. Revised Capex for FY22: GESCOM has indicated revised capex for FY22 in its filing. It may be noted that while GESCOM shall incur the capex within the approved capex for FY22, the Commission would examine the truing up of actual capex during the course of APR for FY22.

GESCOM Reply:

GESCOM will ensure to restrict the expenditure within approved Capex for FY-22.

6. Cross-subsidy surcharge:

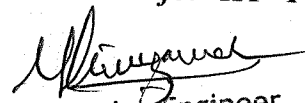
GESCOM has proposed the following CSS for FY23 based on formula specified in tariff policy, 2016:

Voltage	Paise/unit						
	HT1	HT2a	HT2b	HT2c	HT3	HT4	HT5
66kV & above	230.36	189.15	279.064	86.43	25.02	323.894	599.738
HT level	189.79	-6.85	279.064	-109.57	-170.98	323.894	599.738

GESCOM shall file CSS for each of the HT- tariff sub-categories separately, as per the KERC Regulations, wherein the computations as per Tariff Policy, 2016 is adopted. Further, if the CSS computed is negative, it shall be made zero. GESCOM shall furnish working details for cost of supply at HT level and EHT level.

GESCOM Reply:

In the Tariff Application GESCOM has not submitted CSS for HT Tariff sub-


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

categories due to non existence of installation in HT Tariff sub-categories except in HT3 tariff i.e., HT3a & HT3b therefore CSS in not computed for such categories as per tariff policy, 2016 However proposal for incorporating the sub-categories in HT Tariff will be submitted in near future before Hon'ble Commission for kind approval to implement in GESCOM., as per the observation made by Hon'ble Commission that GESCOM has computed the negative CSS in some of the categories i.e., HT2a, HT2c & HT3. GESCOM noted and revised CSS in the HT categories where negative values were submitted and revised table is submitted duly replacing the negative values by Zero (0) as below.

Voltage	HT1	HT2a	HT2b	HT2c	HT3	HT4	HT5
66kV & above	230.36	189.15	279.064	86.43	25.02	323.894	599.738
HT level	189.79	0.00	279.064	0.00	0.00	323.894	599.738

As per the Hon'ble Commission the details for cost of supply at HT level and HHT level is computed and submitted as below for kind consideration.

GESCOM's Energy Input for FY-23 (MU)		8899.01
Power Purchase Cost (Cr.)		4797.83
Average Power Purchase Cost - Paise / unit		5.391
	Details of surcharge at 66 kv level piase/Unit	Details of surcharge at 33 kV & 11 kV Level / unit.
Cost of Power Purchase / Unit	539.14	539.14
Transmission loss %	2.978	2.978
Cost after accounting for transmission loss	555.20	555.20
Loss at 33 kv / 11 kv level %		3.95
Power Purchase cost after accounting for 33 kV & 11 kV	555.20	577.13
Transmission charges per unit	57	57
Average wheeling charges at 33 kV & 11 kV level.		60.733
Add carrying cost of regulatory asset / unit	11.23	11.23
Overall Cost of supply	623.43	706.09

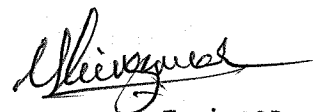
7. Additional surcharge:

GESCOM has proposed additional surcharge of 78 paise/unit for FY23 considering the ARR of FY23.

In the previous tariff orders the Commission has reduced ASC for RE generators. GESCOM may provide its comments regarding continuing of the reduced ASC for RE sources.

GESCOM Reply:

In order to balance the interest of both OA consumer and other consumers and also the


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

Karnataka being RE rich State, concept of concessions to RE sources in ASC may be revised and kept uniform for OA consumers procured energy from RE sources.

8. Distribution Losses:

GESCOM, in its application has indicated the actual distribution losses for FY 21 as 10.72%, as against the approved loss of 14.00% and the actual distribution losses of 14.89% for FY20. The actual distribution losses for FY21 is reduced by 4.17% over the actual distribution losses of FY20. Further, GESCOM has projected the revised distribution losses of 10.75% for FY22, an increase over the actual loss of FY21 and 10.70%, 10.65% and 10.60% for FY23 to FY25, a meager reduction of 0.05% in each year of FY23 to FY25. Compared with the actual distribution losses achieved by GESCOM during the previous year's up to FY21 and the amount of capex already invested and also the proposed higher amount of capex for the next control period of FY23 to FY25, the projected distribution losses with a year on year reduction of mere 0.05% for FY23 to FY25 is not desirable and acceptable. The Commission notes that, to achieve this level of the proposed reduction in the distribution losses, the requirement of capital investment as proposed by GESCOM with various capital works schemes, may not be required. To justify its investment, GESCOM shall re-assess and submit the revised projected distribution losses for FY23 to FY25.

GESCOM Reply:

The responsibility of GESCOM is to give quality and reliable power supply to its consumers besides reduction in distribution losses. Capex is proposed every year for various other obligatory works apart from loss reduction. These include

- 1) Energization of Irrigation pump sets drilled under Ganga Kalyan scheme of various Corporations*
- 2) Strengthening of distribution network by providing Additional Distribution Transformers, enhancement of lower capacity transformers by higher capacity transformers.*
- 3) Reconductoring of age old HT/LT lines.*
- 4) Establishing new 33/11kv substations and augmentation in existing 33/11kv substations.*
- 5) Rectification of hazardous locations for prevention of electrical accidents 5) Restoration of power supply in flood effected area.*


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

9. Balances under GFA:

GESCOM in its filing as per Format D-15, has projected the opening and closing balance of GFA for FY21 to FY25. GESCOM shall submit the details of GFA created out of consumer's contribution & grants and for the other assets created, amounts from internal resources & borrowings at the end of FY20 and

FY21. Also the amount included in the projected closing balances of GFA for FY23 to FY25 towards assets created out of consumer contribution may be furnished, to verify the compliance of the directive in terms of Hon'ble ATE Order in OP 46/2014.

GESCOM Reply:

GESCOM in its Tariff application has submitted the Gross Fixed Assets(GFA) information in page no. 363. However the same is represented in following table:


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

Sl No	Particulars of assets	Audited FY 21			Revised FY 22			Projected FY 23			Projected FY 24			Projected FY 25		
		OB	For the Year	With drawal	Closing Balance	For the Year	Withdra wal	Closing Balance	For the Year	Withdra wal	Closing Balance	For the Year	With drawal	Closing Balance	For the Year	Closing Balance
1	Plant & Machinery, Substation Transformer s, Circuit breakers, other fixed apparatus of rating below 100 MVA.	315.25	21.46		336.70	18.35		355.06	21.11		376.16	24.27		400.44	27.91	428.35
2	Towers ,Poles, Over head conductor and devices	750.78	102.50		853.29	115.41		968.70	116.56		1085.26	117.73		1202.99	118.91	1321.90
	Total	1066.03	123.96	0.00	1189.99	133.76	0.00	1323.75	137.67	0.00	1461.42	142.00	0.00	1603.43	146.82	1750.25

10. Depreciation on Assets created from Consumer Contribution:

GESCOM, as per Format D-8, has indicated Rs.50.57 Crores towards depreciation withdrawn on the asset created out of consumer contribution and grants for FY21, as per Audited Accounts and has projected Rs.67.91 Crores, Rs.74.65 Crores and Rs.81.63 Crores respectively for FY23 to FY25. GESCOM shall submit the details of assets created out of consumer contributions and grants for having claimed the withdrawal of depreciation on such assets for FY21 to FY25 (OB, CB of GFA and depreciation rate and amount of depreciation thereon).

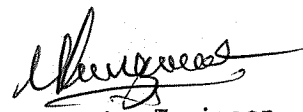
GESCOM Reply:

GESCOM in its Tariff application has submitted the information in page no. 354. However, the same is represented in following table:


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

Depreciation on Assets created out of Consumer Contribution and Grants (Not considered for Tariff Computation)

SI No	Particulars of assets	Audited FY 21				Revised FY 22			Projected FY 23			Projected FY 24			Projected FY 25		
		OB	For the Year	With drawal/ Adj	Closing Balance	For the Year	Withdrawal/ Adj	Closing Balance	For the Year	With drawal/ Adj	Closing Balance	For the Year	With drawal/ Adj	Closing Balance	For the Year	With drawal/ Adj	Closing Balance
1	Plant & Machinery, Substation Transformer s, Circuit breakers, other fixed apparatus of rating below 100 MVA.	89.57	12.67		102.24	16.53		118.78	17.48		136.26	18.64		154.90	19.98		174.88
2	Towers, Poles, Over head conductor and devices	237.09	37.90		274.99	45.11		320.10	50.43		370.53	56.01		426.54	61.65		488.19
	Total	326.67	50.57	-	377.24	61.64	-	438.88	67.91	-	506.79	74.65	-	581.44	81.63	-	663.07


 Executive Engineer
 Regulatory Affairs
 Corporate Office,
 GESCOM, KALABURAGI

11. Interest on Working Capital:

GESCOM in its application, has claimed Rs.124.82 Crores, Rs.130.34 Crores and Rs.135.95 toward interest on working capital at 11.00% for FY23 to FY25. GESCOM, by taking into account the GoI circular issued to reduce the interest burden on consumers and also keeping in view the trend of fall in interest rates

in the last 2 years, shall examine and re-compute the interest and submit the same to the Commission for FY23 to FY25.

GESCOM Reply:

GESCOM has availed the loan towards working Capital from M/s. REC Ltd. with ROI @ 12.50% p.a. Further, in view of expected reduction of ROI GESCOM has considered at lower interest rate @ 11.00 % p.a. for working capital requirement.

Hon'ble Commission is kindly requested to consider the same while determining the Tariff application

12. Interest on Consumer Security Deposits:

GESCOM, in its filing has claimed Rs.36.19 Crores, Rs.42.70 Crores and Rs.46.18 Crores towards interest on consumer security deposits at the rate of 5.50% and 6.00% for FY23 to FY25 respectively, in contravention of the provisions of MYT Regulations. GESCOM shall examine and re-compute the interest by considering the applicable Bank Rate as notified by the RBI and submit the same to the Commission for FY23 to FY25.

GESCOM Reply:

The updated Interest on Consumer security deposits at 5.00% of Bank rate is as shown below:

Particulars	FY 21	FY 22	FY 23	FY 24	FY 25
Rate of Interest Allowed (% p.a.)	4.65%	5.00%	5.00%	5.00%	5.00%
Interest on Consumer Security Deposit	25.54	30.42	32.90	35.58	38.48

13. Terminal benefit:

GESCOM in its filing of APR for FY21 and ARR for FY23 to FY25 has projected Rs.190.13 Crores, Rs.142.03 Crores Rs.156.10 Crores and Rs.165.25 Crores

respectively towards Contribution to provident and other funds for FY21 and for FY22 to


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

FY25. GESCOM shall furnish the basis and the computation details for having claimed the amount of contributions to Pension and Gratuity Trust in respect of employees recruited prior to 31.03.2002 and those employees covered under NDCPS scheme separately.

GESCOM Reply:

The major component was increase in contribution towards pension & NDCPS by 52.72 crs due to increase in contribution rates of pension (contribution rates were revised during the year (i) 57.30% to 68.95 % w.e.f 01.04.2018 and (ii) 57.30% to 64% w.e.f 01.04.2019) provisioning of contribution amount towards pension trust were accounted and arrears of previous was paid during the year was up to that extent for FY-21.

For FY-22 to FY-25 the basis and the computation details for having claimed towards P&G contribution & NDCPS is detailed as below:

Computation Table :			(Amount in Crs)			
Sl. No.	Particulars	Basis of Calculation Arrived	FY22	FY23	FY24	FY25
1	Basic Salary		474.36	486.75	545.71	589.00
2	Other Allowance		40.13	47.49	48.79	48.73
3	NDCPS Basic	Sl. No.5*(Sl. No.1 - Sl. No. 2)/ Sl.No. 7	335.29	342.11	390.22	427.94
4	P& G Basic	(Sl. No.1- Sl.No.2)*Sl No. 6/ Sl. No. 7	98.95	97.16	106.70	112.34
5	No. of NDCPS Employees		5398	5398	5398	5398
6	No. of P&G Employees		1593	1533	1476	1417
7	Total No of Employees		6991	6931	6874	6815
8	NDCPS Contribution	Sl.No 3* 14%	46.94	47.89	54.63	59.91
9	P&G Contribution	(For FY 22 Sl.No. 4* 64% + Sl. No. 4*6.05%)*1.05 & (For FY 23 , FY 24, FY-25, Sl.No. 4* 64% + Sl. No. 4*6.05%)*1.08	88.66	94.14	101.47	105.33

GESCOM requests Hon'ble Commission to consider the employee contribution expenses as per above computation table.


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

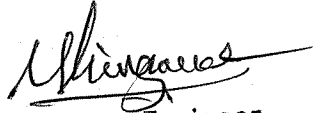
Working Capital (Short Term Loan)							
5	Syndicate Bank	14.59	0	14.59	14.59	0.28	0.00
6	State Bank of India (OD)	93.51	0	93.51	8.62	3.36	84.89
7	REC MTL	195.84	0	195.84	100.00	18.32	95.84
	Sub-Total	303.94	0.00	303.94	123.21	21.96	180.73
Working Capital (Long Term Loan)							
8	GOK (Interest Free Loan)	1000	0	1000	0.00	0.00	1000.00
9	State Bank of India (STTL)	0	200	200	0.00	5.83	200.00
10	Bank of India (STTL)	0	1000	1000	0.00	25.37	1000.00
11	Punjab National Bank (STTL)	0	500	500	0.00	9.61	500.00
	Sub-Total	1000.00	1700.00	2700.00	0.01	40.81	2699.99
	Working Capital Loan	1303.94	1700.00	3003.94	123.21	62.77	2880.73
	Grand Total	2207.69	1705.00	3912.69	211.02	155.86	3701.67

Loans/Debentures and interest charges							
	Institution	Revised (FY22)					
		Opening Balance	New loan addition	Total loan at the end of the year	Repayment of principal	Interest for the year	Closing Bal
	CAPEX (Term Loan)						
1	Loans from GoK (APDRP)	1.42	-	1.42	0.71	0.17	0.71
2	PFC	75.98	83.60	159.58	3.08	9.94	156.50
3	REC	742.10	162.63	904.73	58.08	89.61	846.65
4	PMGY	1.43	-	1.43	0.55	0.17	0.89
	Loans for Capital Works- Total	820.94	246.23	1,067.17	62.42	99.89	1,004.76
	Institution (Short Term/Long Term)	Revised (FY22)					
		Opening Balance	New loan addition	Total loan at the end of the year	Repayment of principal	Interest for the year	Closing Bal
	Working Capital (Short Term Loan)						
5	Syndicate Bank	-	-	-	-	-	-
6	State Bank of India (OD)	84.89	100.00	184.89	84.89	13.01	100.00
7	REC MTL	95.84	200.00	295.84	100.00	9.58	195.84
	Sub-Total	180.73	300.00	480.73	184.89	22.59	295.84


 Executive Engineer
 Regulatory Affairs
 Corporate Office,
 GESCOM, KALABURAGI

	Working Capital (Long Term Loan)						
8	GOK (Interest Free Loan)	1,000.00	-	1,000.00	-	-	1,000.00
9	State Bank of India (STTL)	200.00	-	200.00	-	15.30	200.00
10	Bank of India (STTL)	1,000.00	-	1,000.00	-	73.50	1,000.00
11	Punjab National Bank (STTL)	500.00	-	500.00	-	37.75	500.00
	Sub-Total	2699.99	0.00	2699.99	0.00	126.55	2699.99
	Working Capital Loan	2880.73	300.00	3180.73	184.89	149.14	2995.84
	Grand Total	3701.67	546.23	4247.90	247.31	249.03	4000.59

Loans/Debentures and interest charges							
	Institution	Projected (FY23)					
		Opening Balance	New loan addition	Total loan at the end of the year	Repayment of principal	Interest for the year	Closing Bal
	CAPEX (Term Loan)						
1	Loans from GoK (APDRP)	0.71	-	0.71	0.71	0.09	-
2	PFC	156.50	114.56	271.06	9.90	11.91	261.17
3	REC	846.65	153.33	999.98	106.76	82.09	893.22
4	PMGY	0.89	-	0.89	0.55	0.11	0.34
	Loans for Capital Works- Total	1,004.76	267.89	1,272.65	117.91	94.20	1,154.73
	Institution (Short Term/Long Term)	Projected (FY23)					
		Opening Balance	New loan addition	Total loan at the end of the year	Repayment of principal	Interest for the year	Closing Bal
	Working Capital (Short Term Loan)						
5	Syndicate Bank	-	-	-	-	-	-
6	State Bank of India (OD)	100.00	50.00	150.00	90.00	10.56	60.00
7	REC MTL	195.84	100.00	295.84	108.87	18.82	186.97
	Sub-Total	295.84	150.00	445.84	198.87	29.38	246.97
	Working Capital (Long Term Loan)						
8	GOK (Interest Free Loan)	1,000.00	-	1,000.00	200.00	-	800.00


 Executive Engineer
 Regulatory Affairs
 Corporate Office,
 GESCOM, KALABURAGI

9	State Bank of India (STTL)	200.00	-	200.00	-	15.30	200.00
10	Bank of India (STTL)	1,000.00	-	1,000.00	-	74.50	1,000.00
11	Punjab National Bank (STTL)	500.00	-	500.00	-	34.75	500.00
	Sub-Total	2699.99	0.00	2699.99	200.00	124.55	2499.99
	Working Capital Loan	2995.84	150.00	3145.84	398.87	153.93	2746.97
	Grand Total	4000.59	417.89	4418.48	516.78	248.13	3901.70

Loans/Debentures and interest charges							
	Institution	Projected (FY24)					
		Opening Balance	New loan addition	Total loan at the end of the year	Repayment of principal	Interest for the year	Closing Bal
	CAPEX (Term Loan)						
1	Loans from GoK (APDRP)	-	-	-	-	-	-
	PFC	261.17	98.70	359.87	19.29	10.39	340.58
	REC	893.22	156.54	1,049.76	117.54	72.49	932.22
	PMGY	0.34	-	0.34	0.34	0.04	0.00
	Loans for Capital Works- Total	1,154.73	255.24	1,409.98	137.17	82.92	1,272.80
		Projected (FY24)					
	Institution (Short Term/Long Term)	Opening Balance	New loan addition	Total loan at the end of the year	Repayment of principal	Interest for the year	Closing Bal
	Working Capital (Short Term Loan)						
5	Syndicate Bank	-	-	-	-	-	-
6	State Bank of India (OD)	60.00	200.00	260.00	100.00	13.61	160.00
7	REC MTL	186.97	100.00	286.97	129.11	18.82	157.86
	Sub-Total	246.97	300.00	546.97	229.11	32.43	317.86
	Working Capital (Long Term Loan)						
8	GOK (Interest Free Loan)	800.00	-	800.00	200.00	-	600.00
9	State Bank of India (STTL)	200.00	-	200.00	-	15.30	200.00
10	Bank of India (STTL)	1,000.00	-	1,000.00	-	74.50	1,000.00
11	Punjab National Bank (STTL)	500.00	-	500.00	-	37.25	500.00


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 Corporate Office,
 GESCOM, KALABURAGI

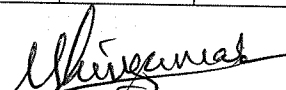
16. Tariff Subsidy to BJ/KJ and IP set installations for FY 21:

GESCOM in its filing, has not submitted the Format- D-2 for FY21. GESCOM shall submit the required details under Format- D-2 duly tallied with the audited accounts figures for FY21. GESCOM shall submit the details of energy consumption and revenue demand raised as per the audited accounts and amounts claimed from the government towards release of subsidy for FY21 from the GoK.

GESCOM Reply:

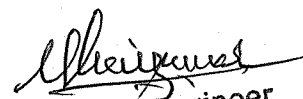
The details of D-2 format for FY-21 is indicated as below:.

Sl. No	Category	Consumer Category Particulars	Actuals				
			year (20-21)				
			Mid year installati ons	End year installatio ns	Energy Sold (MU)	Revenu e (Rs Crs)	ARR (P/u)
A : LT Category - Revenue as per Tariff Order							
1	LT 2 (a)	All Electric Homes (AEH)	1857656	1885548	1305.88	803.49	6.15
2	LT 2 (b)	Private Professional educational institutions	5297	5338	9.56	9.19	9.61
3	LT 3	Commercial and Non Industrial Light and Fan	291751	298803	329.91	338.39	10.26
4	LT 4 (b)	Irrigation Pump sets (> 10 HP)	2297	2298	3.29	2.13	6.47
5	LT 4 (c)	Private Horticulture Nurseries	458	478	1.43	1.14	7.97
6	LT 5	Industrial Heating & Motive power	67491	68746	176.66	145.48	8.24
7	LT 6(a)	Water Supply - Urban & Rural	25966	28071	399.04	234.01	5.86
8	LT 6(b)	Public Lighting - Urban & Rural	13383	15479	206.48	130.60	6.33
9	LT 7	Temporary Power Supply	35683	39347	20.87	36.95	17.70
B : LT Category - Revenue as per Subsidy Allocation of Government							
10	LT 1 (a)	Bhagya Jyoti/ Kutira Jyoti	597675	597675	256.61	190.17	7.41
11	LT 4 (a)	Irrigation Pump sets (< 10 HP)	403870	407519	3041.47	1869.75	6.15
C	LT Total		3301527	3349302	5751.20	3761.30	6.54
12	HT 1	Public Water Supply and Sewage Pumping	163	167	122.38	79.95	6.53
13	HT 2 a	Industrial , Non- industrial & Non-commercial Purposes	1743	1778	911.29	881.78	9.68


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 Regulatory Affairs
 Corporate Office,
 GESCOM, KALABURAGI

14	HT 2 b	Commercial	421	434	57.75	63.02	10.91
15	HT 2 c	Govt. hospital & charitable institution	218	228	23.85	24.69	10.35
16	HT 3	Irrigation & Agricultural farms, LI Societies	429	431	105.06	43.80	4.17
17	HT 4	Private Residential Apartments	43	44	15.21	11.19	7.36
18	HT 5	Temporary Power Supply – HT	47	46	15.51	18.97	12.23
D	HT TOTAL	HT Total	3064	3128	1251.05	1123.40	8.98
E	TOTAL	Total (LT+HT)	3304591	3352430	7002.25	4884.70	6.98
17	II	Efficiency Improvement					
18	III	MUSS Consumption & UBR					
19	IV	Accounting of the True up exercise on accrual basis for FY 08, 09 & 10 as per Tariff order 2010 and KERC Order Dated 6/1/11					
20	V	Misc. Charges from Consumers					
	1	Fuse of calls					
	2	Reconnection Fee					
	3	Public lighting maintenance charges					
	4	Service connection charges					
	5	Delayed payment charges					
	6	Other receipts				177.91	
	7	Inter State Sale of Energy (IEX)				17.51	
		Total of IV	0.00	0.00	212.01	104.98	4.95
F	V	Gross Revenue from Sale of Power (I+II+III+IV)	3304591	3352430	7214.26	5185.10	14.17
G	VI	LESS:					
	1	Withdrawal of Revenue				6.3	
	2	Other State levies payable (Contra)					
		Total of VI	0		0.00	6.30	
H	VII	Rural Rebate					
I	VIII	Add : Regulatory Assets Accounted provisionally					
J	IX	Total (V-Vi)	3304591	3352430	7214.26	5178.80	7.18

GESCOM requests Hon'ble Commission to consider the D-2 table as per above table


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Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

17. GESCOM as per Format D-21 and D-21(a) has considered the total sanctioned load under each slab in each of the tariff categories. GESCOM shall submit the total sanctioned load under each slab of tariff category as on 30th September 2021, along with slab-wise consumption detail to estimate the revenue at both existing and proposed tariff.

GESCOM Reply:

The total sanctioned load under each slab in each of the tariff categories as on 30th September 2021 is enclosed as Annexure-B(17).

18. Discontinuation of Incentive Schemes:

GESCOM, in its filing has proposed to discontinue the Discounted Energy Rate Scheme approved by the Commission in the previous tariff Order. The Commission, with a view to increase the energy sales in the ESCOMs under HT category has approved the scheme keeping in view the availability of surplus power in the State. The other ESCOMs in the State have proposed to continue the Schemes with some modifications. In this regard, GESCOM shall submit the reasons for its proposal to discontinue the schemes along with an analysis of impact of the scheme on its revenues in case of its continuation. As per the projections, there is surplus power available in the State for FY23 and GESCOM shall submit its plan of action to sell the surplus power to reduce the fixed charge burden on the company and to the consumers in the State. GESCOM shall also submit its action plan to increase the energy sales within its area of supply to reduce its accumulated revenue losses.

GESCOM Reply:

GESCOM has requested vide letter No. 36647-51 dated 24-12-2021 for continuation of the discounted energy scheme up to march 2022. The energy allocation for the period FY-23 to FY-25 is made by PCKL on the basis of energy sales projections of GESCOM & the details of surplus power is allocated as under:

<i>Year</i>	<i>FY-23</i>	<i>FY-24</i>	<i>FY-25</i>
<i>Surplus energy in Mu</i>	<i>307.29</i>	<i>209.11</i>	<i>119.72</i>

In view of the above surplus energy allocation by PCKL, discounted energy rate scheme may be approved to this extent for FY-23 to FY-25.

19. Increase in Fixed Charges:

BESCOM, in its filing has proposed to levy Fixed / demand charges on slab wise sanctioned load basis. GESCOM shall submit its opinion on the proposal. GESCOM shall submit the following details certified by the senior officers of the company on the basis of the data available in the computerized billing system by considering the existing consumers as on 30th September 2021.


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GESCOM, KALABURAGI

	No. of Consumers	Total Sanctioned Load	Sanctioned Load/consumers
LT2(a) up to 1 KW About 1KW up to 5 KW Above 5 KW up to 25 KW Above 25 KW up to 50 KW Above 50 KW			
LT2(b) Up to 1 KW Above 1 KW to 10 KW Above 10 KW to 50 KW Above 50 KW			
LT3 Up to 1 KW Above 1 KW to 10 KW Above 10 KW to 50 KW Above 50 KW			
HT2 (Separately for (a) (b) (c) Up to 200 KVA Above 200 KVA to 10 KVA Above 1000 KVA			
HT2(a) Consumption up to 2 lakhs Above 2 lakhs			

GESCOM Reply:

The details of Tariff wise & Slab wise Sanction load as per computerized billing is enclosed as Annexure-B(19) as below:


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20. Observations on Directives:

3. Directive on Energy Conservation:

GESCOM is not furnishing the compliance on quarterly basis as directed. GESCOM shall submit the compliance as per the directions. It has not informed on the action taken for promoting energy conservation by the use of EE appliances while servicing the installations, especially street lights. GESCOM has not furnished in detail the implementation of the directive on energy conservation in its offices, number of offices covered, energy saved etc.,

The GESCOM shall submit the compliance thereon.

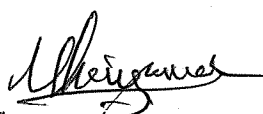
GESCOM Reply:

*As per the Hon'ble Commissions directions to submit the compliance regarding implementation of directives on Energy Conservation, GESCOM is continuously pursuing with the O&M Officers to service new installation only after ensuring, that the equipment's installed in the consumer's premises are i) BEE ***** Five Star rated appliances viz., Air Conditioners, Fans, Refrigerators, Etc., are energy efficient appliances. ii) Service all new street light / high mast installations including extension made to the existing street light circuits only after ensuring that LED lamps / Energy efficient lamps like induction lamps are provided to the street light points. In this regard a letter is addressed to the all jurisdictional Superintending Engineer Ele., / Executive Engineer Ele., to select the newly serviced installation at least 3% to 5% respectively out of the total serviced installations & inspect the same in their Circle / Division and the prescribed format is shared to submit the progress of inspection carried on monthly basis. The progress of inspection for cross checking of newly serviced installations by SEEs / EES up to Nov-21 as below :*

Statement showing the new installations Serviced & inspected by O&M SEE/EEE of respective Divisions in GESCOM jurisdictions for FY 2021-22

Sl No	Category of Installations	No. of Installations Serviced in FY 2021-22									
		Apr-2021	May-2021	Jun-2021	July-2021	Aug-2021	Sept-2021	Oct-2021	Cumulative Total up to Oct-2021	3% Inspected by SEE	5% Inspected by EEE
1	LT-2(a & b)	4240	3124	4932	5509	6006	4470	4116	32397	977	1684
2	LT-3	1039	803	1092	1027	1269	1286	888	7404	231	383
3	LT-6(i)	8	34	13	22	47	204	69	397	15	23
Total		5287	3961	6037	6558	7322	5960	5073	40198	1223	2090

However GESCOM will continue to take action for inspection of new installations serviced by the Senior Officers for effective implementation of the directive.


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GESCOM, KALABURAGI

GESCOM is continuously promoting the use of Energy Efficient appliance and sales of LED bulb. The sales of EE appliances and energy savings are as follows:

Details of Energy Conservation by use of Energy Efficient appliances: FY-2021-22 (April-2021 to Nov-2021)

Project description	Achievement of Annual energy savings		Investment incurred on the project (In crores)
	Electricity (MUs)	Total savings (In crores)	
Belaku/Ujala scheme :			
LED Bulbs April-21 to Nov-21 Bulb	0.94	0.74	Not Applicable
LED Tube Lights April-21 to Nov-20	0.007	0.005	Not Applicable
Fan April-21 to Nov-21	0.001	0.001	Not Applicable
Total	0.952	0.746	

GESCOM has implemented Energy conservation measure in 157 Nos of GESCOM Offices and buildings and the energy savings are as follows:

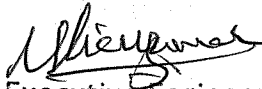
Energy Conservation : GESCOM Offices and buildings				
Energy Efficiency Equipments	Qty	Achievement of Annual energy savings		Investment incurred on the project (In crores)
		Electricity (MUs)	Total savings (In crores)	
LED Tube light 20W	5123	0.49	0.27	NA
EE Ceiling Fan (5 star) 50W	2087	0.05	0.03	NA
AC (5 star) avg 1000W	291	0.15	0.08	NA
Total		0.70	0.39	

4. Directive on implementation of Standards of Performance (SoP)

The GESCOM was directed to display the SoP parameters in all its O&M Subdivisions and O&M Sections. Also directed the GESCOM to carry out effective supervision over the functioning of field offices particularly in rendering of services to the consumers, relating to restoration of supply of electricity and to submit the details of number of violations of SoP by officers, sub-division wise, month wise, amount of penalty levied on the officers and the amount paid to the consumers for any delay in service.

The Commission directed GESCOM to conduct awareness campaign at the Hobli levels for educating the public about the Standards of Performance prescribed by the Commission. GESCOM is required to conduct necessary orientation programme for all the field officers and the staff up to linemen to educate them on the SoP and the consequences of non – adherence to the SoP.

GESCOM has not reported anything on the conduct of awareness campaigns in the Hobli levels for educating consumers and about the orientation programs for educating the officers and field


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

staff up to the level of lineman especially during FY21.

GESCOM shall submit the compliance regularly.

GESCOM Reply:

GESCOM has implemented Standards of Performance (SoP) and is being practiced in offices of GESCOM to deliver quality service to its customers.

SOP Boards have been displayed at GESCOM's Section, Subdivision, Division, Circle, and Zonal Offices (Sample photos enclosed).

GESCOM submitting SOP report monthly to "The KERC Bangalore, Month-wise violations of GESCOM enclosed.

GESCOM conducted orientation programmes for all the field officers and the staff up to linemen to educate them on the SoP and the consequences of non – adherence to the SoP and distributed Handbook on SoP to staff.

GESCOM conducting awareness campaign at the subdivision headquarters Hobli levels for educating the public about the Standards of Performance prescribed by the Commission on every 3rd Saturday during conduct of Customer Interaction Meetings (CIMs) Chaired by AEE and also and schedule dates for CIM Chaired by SEEs/EEEs monthly or quarterly and discusses with consumers regarding Standards of Performance, Electricity Safety, Energy Conservation etc. This will be extended to other Hobli centres.

Sample of SoP Board Displayed at O&M offices are as below:


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GULBURGA ELECTRICITY SUPPLY COMPANY LIMITED
Licensee's Standards of performance (SOP)
Standards of Performance and amount to be paid to consumer for
DEFAULT IN EACH CASE

Nature of Service	Cities & Town	Rural Areas	Amount Payable to Affected Consumer
Normal Fuse off	Within 6 hours	Within 24 Hours	Rs 50 each case of default
Line Breakdowns	Within 6 hours (10 hours if poles are broken)	Within 24 Hours	Rs 50 each case of default
Distribution Transformer Failure	Within 24 hours	Within 24 Hours	Rs 50 each Affected Consumer
Scheduled outages	Not to exceed 12 hours By 6 pm on any day	Not to exceed 12 hours By 6 pm on any day	Rs 50 each Affected Consumer
Voltage Variations Where now expansion or enhancement of network is involved	Within 7 Days	Within 7 Days	Rs 50 in the each case of default
Where up Gradation or distribution system is required	Within 120 Days	Within 120 Days	Rs 50 in the each case of default
opening of natural voltage exceeding 2% of supply voltage	Within 6 hours	Within 24 hours	Rs 50 in the each case of default
Meter complaints Inspect & Check correctness.	Within 7 Days	Within 7 Days	Rs 50 in the each case of default
Replace Slow creeping or stuck meters	Within 10 Days	Within 10 Days	Rs 50 in the each case of default
Replace burnt meters if cause not attributable to consumer	Within 7 Days of receipt of complaint	Within 7 Days of receipt of complaint	Rs 50 in the each case of default
Replace burnt meters in all other cases	Within 24 hours of payment of charges by consumer	Within 24 hours of payment of charges by consumer	Rs 50 in the each case of default
Application for new connection/ additional load	Within one month of receipt of application	Within one month of receipt of application	Rs 200 for each day of defaults
Release of supply where service is feasible from existing network	As specified by the Commission in KERC	As specified by the Commission in KERC	Rs 50 for each day of default in case of LT and Rs 500 for HT and EHT
Release of supply where network expansion/ enhancement required for providing connection	As specified by the Commission in KERC	As specified by the Commission in KERC	Rs 50 for each day of default
IP Sets	Within 30 Days after attaching seniority	Within 30 Days after attaching seniority	Rs 50 for each day of default
Transfer of ownership and conveyance of service	Within 7 Days of receipt of application	Within 7 Days of receipt of application	Rs 50 for each day of default
Change of Category	Within 30 Days from the date of payment of charges	Within 30 Days from the date of payment of charges	Rs 50 for each day of default
conversion of LT to HT Etc	Within 24 hours of receipt of complaints	Within 24 hours of receipt of complaints	Rs 50 for each day of default
Resolution of Complaints on consumer bills (if no additional information is required)	Within 7 Days of receipt of complaints on the same day	Within 7 Days of receipt of complaints	Rs 50 for each day of default
If Additional information is required	On the same day of receipt of request	Within 24 hours of receipt of payment from consumer	Rs 50 for each day of default
Reconnection of supply following disconnection	On the same day of receipt of request	Within 24 hours of receipt of payment from consumer	Rs 50 for each day of default
Refund of deposits	On the same day of receipt of request	Within 24 hours of receipt of request	Rs 50 for each day of default
Issue of certificates	On the same day of receipt of request	On the same day of receipt of request	Rs 50 for each day of default
Payments of solatium in Case of electric accidents	Within 7 days without waiting for the report from chief electrical Inspector to Government (CEIG)	Within 7 days without waiting for the report from chief electrical Inspector to Government (CEIG)	Rs 50 for each day of default
Cases where it is established beyond doubt that the accident is not due to the faults of the victim	Within 30 days after receipt of report from CEIG	Within 30 days after receipt of report from CEIG	Rs 50 for each day of default
in other Cases	Within 30 days after receipt of report from CEIG	Within 30 days after receipt of report from CEIG	Rs 50 for each day of default

SoP Board
at O&M
Hunasagi
Sub-Dvn

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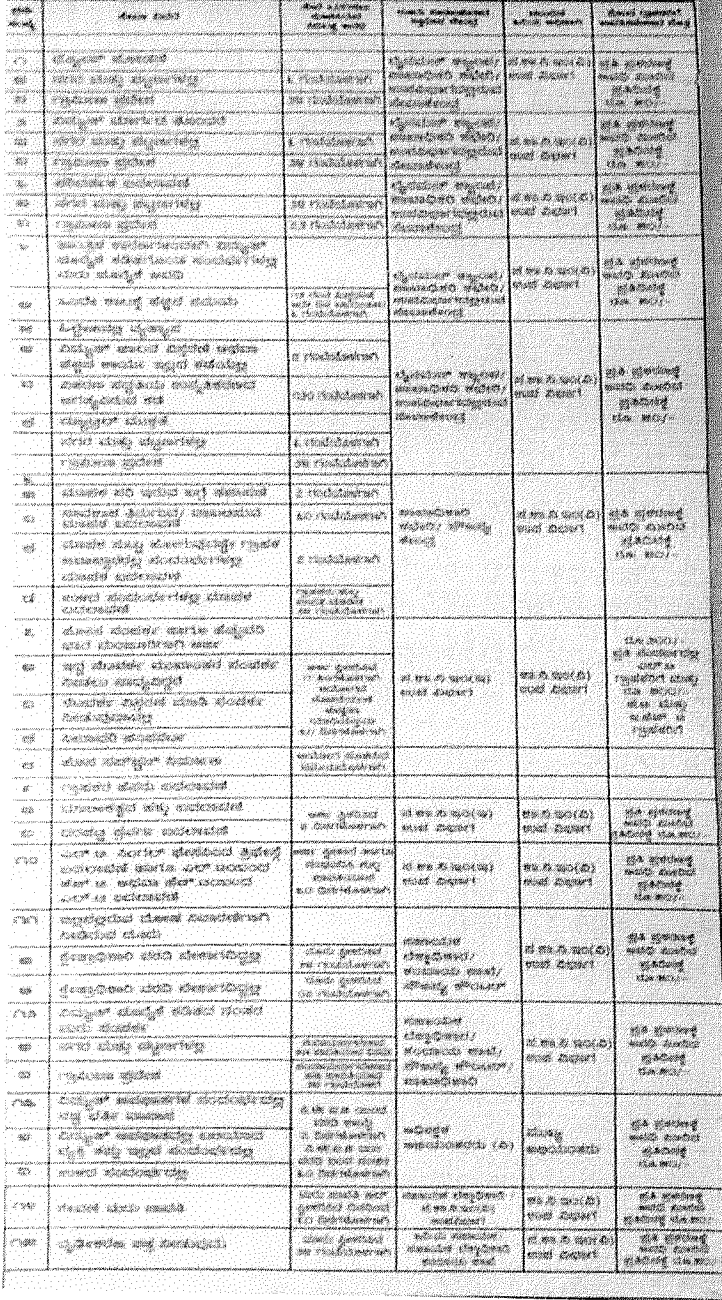
Hunasagi

GULBURGA ELECTRICITY SUPPLY COMPANY LIMITED
Licensee's Standards of performance (SOP)
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Yadgir

Signature
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Raichur Rural
Sub-Dvn:
SoP Board

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5. Directive on use of safety gear by linemen

GESCOM is not submitting the quarterly compliance report to the Commission.

The GESCOM has submitted that it is procuring safety equipment to all working in the field on need basis regularly. GESCOM shall submit the details indicating the number of linemen – both regular and working on contract basis, who are provided with complete set of safety gear and the definite timeline by which all the remaining linemen will be provided with the complete set of safety gear including the additional tools if any proposed to be given. Details of the action taken on erring staff also be furnished.

GESCOM Reply:

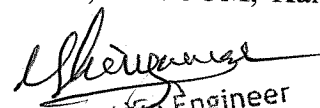
As per the observation made above by Hon'ble Commission GESCOM herewith submit the details of No., of linemen working on both regular and contract basis accordingly the safety gear provided with complete set to power men / Asst., Power men by Junior Power men is as follows:

Quarter - I of FY22 (April 2021 to June 2021)									
Name of the Company	Total Nos Linemen as on 30.06.2021		No. of linemen provided with safety gear as on 30.06.2021		No. of linemen yet to be provided with safety gear		Likely date of providing safety gear to all linemen	Action Taken on Field Officers / Linemen for not adhering to Safety Principles	Brief description on the methodology / practices adopted towards Safety
	Regular	Contract	Regular	Contract	Regular	Contract	Present status		
1	2	3	4	5	6	7	8	9	10
GESCOM	3554	-	3554	-	-	-	Tender is under progress for procurement of safety belt		

Note :

As stated in the above table GESCOM has taken action to procure 4100 Nos., safety belts with accessories and the tendering process is under progress same will be procured and provided to all the field staff shortly. In addition to this following actions are taken in GESCOM.

1. All kind of Safety Equipment's such as helmets, safety Belts, Hand Gloves, Earthling Rods, live line testers, hand torches etc., were distributed to power men.
2. Strict guidelines & instructions issued to all the Power men to use the safety gear in day to day routine works & officials to ascertain the use of safety gear by Power men working under them.
3. Penalty of Rs.1,000/- on power men at each instant of violations for not using the safety gear during work was imposed in the O&M City Division, GESCOM, Kalaburagi and


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

same was instructed to all the divisions/sub-division engineers for taking action as per the corporate office order. The Power Men are being surprisingly inspected by CEE/SEE/EEE/AEE/Police inspector of Vigilance wing to ensure the works are carried by using safety gear as per Corporate Office Order.

4. As per the directions of Corporate office, field officers are visiting the place of works being carried out to verify the usage of safety equipment's by our staff and are imposing penalty on default power man.
5. Safety gears are procured on time to time and issued to field staff for usage of the same in the field.

GESCOM is also releasing purchase grants for T&P materials to O&M Zones / Divisions as and when there is requisition.

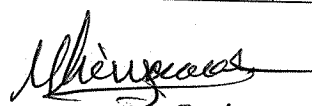
6. Directive on providing Timer Switches to Street lights by ESCOMs

The GESCOM is not submitting the quarterly compliance report in respect of installation of timer switches, to the Commission. GESCOM has furnished in detail the statistics of, number of Street Light installations existing as at the beginning of the year, serviced during the year, provided with timer switches etc., for FY21. GESCOM it was directed to furnish the same for FY22 i.e. up to September 2021. GESCOM has also not submitted the compliance as to whether LED / energy efficient lamps are being used and timer switches are provided while servicing of new streetlight installations. GESCOM shall submit the compliance thereon.

GESCOM Reply:

GESCOM has submitted the quarterly progress report to the Hon'ble Commission in respect of installation of Timer Switches to the Street light installations also the progress up to Nov-2021 of FY-22 is submitted in the Tariff Application. As per the directions of Hon'ble Commissions to submit the progress of providing Timer Switches to Street light installations for FY-21 and FY-22 up to Nov-2021. GESCOM submits as below:

Financial Year 2020-21 (FY21) (Apr-2020 to Mar-2021)									
Division / Dist.	Total Number of Street Light Installations (Control Points) Existing as at the beginning of the year	No. of installations existing with timer switches at the beginning of the year	Total Number of Street Light Installations Serviced during the year (Apr-20 to Mar-21)	Total Number of Street Light Installations Serviced during the year with Timer Switches (Apr-20 to Mar-21)	Total Number of SL installations at the end of the year (Apr-20 to Mar-21)	Balance No. of installations to be provided with timer switches	Timer Switches provided by ESCOMs / Corporations etc.,	Likely date of providing Timer Switches to all SL installations	Remarks / Issues
a	b	c	d	e	f=b+d	g=f-(c+e)	h	i	j
CSC Kalaburagi	1,709	1,403	4	3	1,713	307	Corporation		Centralized Control & Monitoring System (CCMS) project survey
Kalaburagi-1	382	28	8	0	390	362	Corporation		
Kalaburagi-2	549	10	3	0	552	542	Corporation		
Sedam	375	-16	26	16	401	401	Corporation		
Yadgir	1,024	7	35	0	1,059	1052	Corporation		


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

Bidar	1,190	23	45	3	1,235	1209	Corporation	completed by Corporation. It will be implemented soon as per DMA GoK. Direction. In that system provides fully on/off control of all the streetlights.
Humanabad	1,100	14	10	10	1,110	1086	Corporation	
CSC Ballari	378	1	1	0	379	378	Corporation	
Ballari Rural	753	2	43	15	796	779	Corporation	
CSC Hospet	568	145	16	10	584	429	Corporation	
Hospet Rural	882	72	19	19	901	810	Corporation	
CSC Raichur	205	0	0	0	205	205	Corporation	
Raichur Rural	1,796	13	13	0	1,809	1796	Corporation	
Sindhanoor	1,431	18	22	2	1,453	1433	Corporation	
Koppal	1,112	6	33	29	1,145	1110	Corporation	
Gangavathi	1,008	8	19	0	1,027	1,019	Corporation	
Total GESCOM	14462	1,734	297	107	14759	12,918	Corporation	

Timer Switches to Streetlights by Local Bodies:

I & II Quarter of FY-22 (Apr-2021 to Sept-2021)									
Division / Dist.	Total Number of Street Light Installations (Control Points) Existing as at the beginning of the year	No. of installations existing with timer switches at the beginning of the year	Total Number of Street Light Installations Serviced during the year (Apr-21 to Sept-21)	Total Number of Street Light Installations Serviced during the year with Timer Switches (Apr-21 to Sept-21)	Total Number of SL installations at the end of the year (Apr-21 to Sept-21)	Balance No. of installations to be provided with timer switches	Timer Switches provided by ESCOMs / Corporations etc.,	Likely date of providing Timer Switches to all SL installations	Remarks / Issues
a	b	c	d	e	f=b+d	g=f-(c+e)	h	i	j
CSC Kalaburagi	1713	1,406	0	0	1713	307	Corporation		For providing timer switches for rest of the installations, various letter correspondences are made to the authorities of local bodies and Commissioners' of Kalaburagi corporation, Ballari corporation and CEOs' of Zilla Panchayat as street light installations are maintained by them.
Kalaburagi-1	390	28	46	46	436	362	Corporation		
Kalaburagi-2	552	10	0	0	552	542	Corporation		
Sedam	401	0	37	37	438	401	Corporation		
Yadgir	1059	7	3	3	1062	1052	Corporation		
Bidar	1235	26	6	6	1241	1209	Corporation		
Humanabad	1110	24	11	11	1121	1086	Corporation		
CSC Ballari	379	1	0	0	379	378	Corporation		
Ballari Rural	796	17	0	0	796	779	Corporation		
CSC Hospet	584	155	0	0	584	429	Corporation		
Hospet Rural	901	91	21	21	922	810	Corporation		
CSC Raichur	205	0	4	4	209	205	Corporation		
Raichur Rural	1809	13	0	0	1809	1796	Corporation		
Sindhanoor	1453	20	88	88	1541	1433	Corporation		
Koppal	1145	35	11	11	1156	1110	Corporation		
Gangavathi	1027	8	2	2	1029	1,019	Corporation		
Total GESCOM	14759	1,841	229	229	14988	12,918	Corporation		

GESCOM is strictly implementing the directive on providing timer switches to street lights and also during servicing the new street light / additional circuit of street lights GESCOM is ensuring LED / Energy efficient lamps are being used. Henceforth GESCOM assures the Hon'ble Commission that the directive will be strictly implemented.

7. Directive on Load shedding

It is observed that GESCOM has not taken action to update the entire consumer data into the application used for public information system on power system interruption etc., GESCOM shall furnish the timeline for updating the entire consumer data into the application.

GESCOM shall submit compliance on the same.


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

GESCOM Reply:

In GESCOM 2287450 Nos. of consumer details are updated in Urjamitra portal and outages are broadcasted to the consumer. The updation of details of balance consumers is under process, the time line for completing the updation of all the installations details is end of March-22.

8. Directive on establishing a 24x7 fully equipped centralized

GESCOM was directed to reduce the consumer downtime to address the complaints. GESCOM is directed to report average time taken to attend to a complaint as at present and the efforts made to reduce the downtime further in future.

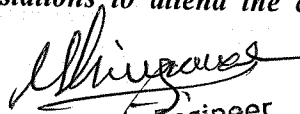
consumer service centers

The GESCOM shall furnish compliance in this regard. Comparison of the downtime analysis for FY20 and FY21 shall be furnished.

GESCOM Reply:

To reduce consumer down time to address the complaints GESCOM has established Centralized Customer care center at Kalaburagi.

- *Presently 15 Desks are functioning round the clock (in three shifts), so that, at a time 15 No.s of complaints can be received. In addition to existing 15 Desktops, procurement of another 5 No.s of Desktops and man power, tender has been floated and the work is under process.*
- *The consumer can contact over Toll free no 1912. There are 51 desk operators for three shifts; each shift 15Nos. of operators for 15desks are working to attend each and every call.*
- *Junior Engineer, Assistant Engineer and Assistant Executive Engineers are placed to supervise the over all activities.*
- *The Employees working in CCC are given suitable training on handling public relation issues. The awareness of CCC is brought to the notice of consumers by wide publicity of the complaint handling procedure. Contact number of the centralized customer care center through local media, by hosting on GESCOM website for the information of public to ensure that all the complaints are registered only through CCC for proper monitoring and disposal of complaints.*
- *Once the complaints are addressed successfully the consumer is also intimated about the same through SMS.*
- *Regular correspondence is being made with the concerned O&M Divisions to attend to the registered complaints within the stipulated time.*
- *The complaints are being registered at 24X7 Customer Care Centre, Corporate office, GESCOM and the same is being dispersed to the concerned O&M Service stations to enable them to attend to the complaint within the stipulated time, through telephone. The 24X7 Customer Care Centre is obtaining feedback from consumers, every two Hours.*
- *The GESCOM is trying to continue its efforts in further improving the delivery of consumer services with prompt response especially in reducing the time required for resolving consumer complaints on breakdowns of lines /equipment's, failure of transformers etc.*
- *GESCOM is implementing the sub-division wise 24X7 service stations to attend the complaints*


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

within stipulated time.

- GESCOM had also given facility to register their complaints through social media such as
1. Twitter :Address (Gescom officail)
 2. Facebook - ID : (GescomKalaburagi)
 3. Whatsapp - No. 9480847593
 4. GESCOM Website: <http://gescompgrs24x7.com>&www.gescom.in

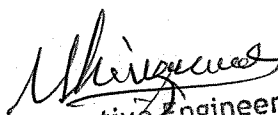
Also GESCOM Consumer App, Urja Mitra App (to be download from playstore), PGRS Web site are available.

The following efforts will be made to reduce the Consumer complaints down time in future by GESCOM:

- By creating Sub-division wise 24X7 service Stations/Centers.
- Service Vans are provided to the operation and maintenance offices working for attending the consumer complaints. By increasing the Sub-division wise service vans, thereby reducing the down time for attending the Consumer complaints like breakdowns of lines /equipment's, failure of transformers etc.
- At present the complaints which are registered at 24x7 Customer Care Center, GESCOM, Kalaburagi & same is being disbursed to the concerned O&M Division/Sub-Divisions/Service stations. For speedy action GESCOM will take action to provide sufficient staff and computer facilities, thereby complaints can be resolved and updated in the system. Hence the down time will be reduced.
- The 24X7 Customer Care Centre is obtaining feedback from consumers, Divisions/sub-divisions for every two Hours. So, we are taking feedback manually through telephone. If we increase the necessary facilities such as manpower, service vans, computer systems etc., at the sub-division level, immediately the feedback can be obtained within stipulated time, thereby reducing the down time for redressal of consumer complaints.

The consumer down time analysis for FY-2020 & FY-2021 (UptoNov-2021):

Statement Showing the Details of No of Calls Received/Answered & No of Complaints Registered/Redressed & pending in the Customer Care Center, GESCOM, Kalaburagi. From April-2020 to March-2021								
Sl No	Month	No. of Calls		No. of Complaints			Time period	
		Received	Answered	Registered	Redressed	Pending	Min	Max
1	Apr-20	55392	55392	6983	6983	0	0:42:00	6:10:00
2	May-20	127844	127844	7951	7951	0	0:30:00	5:40:00
3	Jun-20	139997	139997	12919	12919	0	0:45:00	5:30:00
4	Jul-20	162105	162105	11803	11803	0	0:51:00	4:50:00
5	Aug-20	191847	191847	9173	9173	0	0:38:00	4:35:00
6	Sep-20	224920	224920	11618	11618	0	0:37:00	4:10:00
7	Oct-20	167662	167662	9738	9738	0	0:25:00	3:15:00
8	Nov-20	92562	92562	12422	12422	0	0:30:00	4:30:00


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

9	Dec-20	68520	68520	21200	21200	0	0:40:00	5:10:00
10	Jan-21	81099	75255	19585	19585	0	0:30:00	5:10:21
11	Feb-21	82548	79978	16019	16019	0	0:25:00	5:50:00
12	Mar-21	123519	115826	15908	15908	0	0:30:00	4:45:00

**Statement Showing the Details of No of Calls Received/Answered & No of Complaints Registered/Redressed & pending in the Customer Care Center, GESCOM, Kalaburagi.
From April-2021 to November-2021**

Sl No	Month	No. of Calls		No. of Complaints			Average Time Taken	
		Received	Answered	Registered	Redressed	Pending	Min	Max
1	21-Apr	270207	173750	16181	16181	0	0:30:00	6:00:00
2	21-May	356753	210061	14023	14023	0	0:38:00	4:02:10
3	21-Jun	284055	201346	13846	13846	0	0:30:00	5:35:00
4	21-Jul	284749	200534	24398	24398	0	0:25:00	5:45:00
5	21-Aug	238351	185312	25965	25965	0	0:30:00	6:00:00
6	21-Sep	247170	173565	25388	25388	0	0:35:00	5:48:21
7	21-Oct	221508	153642	22055	22055	0	0:45:00	5:30:00
8	21-Nov	201691	142078	15979	15979	0	0:35:00	5:45:00
Total		2104484	1440288	157835	157835	0	0:33:30	5:33:11

9. Directives on Energy Audit

Energy Audit of cities / towns

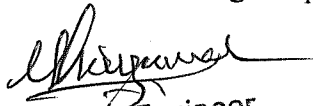
The GESCOM is not furnishing the energy audit reports regularly to the Commission. GESCOM shall furnish details of feeder-wise energy audit along with the details of measures initiated to reduce loss levels wherever the same are above 15% up to September 2021.

GESCOM shall furnish the comparative statement of losses recorded in Towns & Cities for the FY21 as against the FY20.

DTCs Energy Audit:

GESCOM was directed to furnish the details of energy audit conducted in respect of DTCs for which meters have been fixed and the remedial measures initiated to reduce losses in those DTCs every month to the Commission regularly.

From the data submitted, the Commission has observed that out of the **28,757 metered DTCs**, energy audit is conducted for only **12,482 DTC** which accounts for only 43%. In the previous years' tariff filing GESCOM has informed that **14,239** number of DTCs are audited out of **87,329** number of metered DTCs. GESCOM has to submit the reasons for conducting energy audit on such a low number of DTCs even though substantial number of DTCs are metered and shall furnish the correct statistics on the energy audit of DTCs. GESCOM shall also explain the inconsistency in figures on the no. of DTCs provided with DTC meters during the previous tariff


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

filing and the current tariff filing.

It has come to the notice of the Commission that, GESCOM has taken initiative and invested huge capital on remote reading of energy meters provided to various DTCs for achieving efficient energy auditing. GESCOM has not clearly mentioned on the status of communication system provided, action taken to achieve 100% communication and to analyze the data towards remedial measures for setting right the issues, conducting energy audit etc., GESCOM shall furnish the details on the number of meters provided to DTCs to have AMI in place by the earlier agencies, % of communication achieved, % age energy audit conducted with the AMI fetched readings etc.,

GESCOM shall submit the details of energy audit conducted for the metered DTCs and the timeline by which all the remaining DTCs will be metered and audited.

GESCOM Reply:

Energy Audit of cities / towns

GESCOM is regularly conducting energy audit of 2114 Nos of 11kV feeders of various categories and submitting the information to KERC in the prescribed quarterly formats.

The details of feeder wise energy audit conducted from April-21 to Sept-21 are as shown below.

**DISTRIBUTION LOSSES OF 11KV FEEDERS FOR THE MONTH OF APRIL-2021
(MARCH-2021 INPUT WITH APRIL-2021 DEMAND)**

Name of the ESCOM	Type of the Feeders	No. of 11KV Feeder	No. of 11KV Feeder Audited	NUMBER OF FEEDERS WITH DISTRIBUTION LOSSES					
				<5	5 to 10	10 to 15	15 to 20	20 to 30	>30
GESCOM	Urban	309	297	12	79	188	18	0	0
	Industrial	105	102	14	33	55	0	0	0
	I/P Set	994	976	5	141	815	14	1	0
	NJY	615	609	8	53	542	6	0	0
	Rural	28	28	0	9	19	0	0	0
	WW	63	60	11	24	25	0	0	0
Total		2114	2072	50	339	1644	38	1	0

DISTRIBUTION LOSSES OF 11KV FEEDERS FOR THE MONTH OF MAY-2021 (APRIL-2021 INPUT WITH MAY-2021 DEMAND)

Name of the ESCOM	Type of the Feeders	No. of 11KV Feeder	No. of 11KV Feeder Audited	NUMBER OF FEEDERS WITH DISTRIBUTION LOSSES					
				<5	5 to 10	10 to 15	15 to 20	20 to 30	>30
GESCOM	Urban	311	298	6	60	208	5	19	0
	Industrial	104	102	14	44	39	5	0	0
	I/P Set	1001	979	17	153	801	8	0	0
	NJY	617	605	8	92	493	12	0	0

91

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Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

	<i>Rural</i>	26	26	1	7	18	0	0	0
	<i>WW</i>	63	60	9	31	18	2	0	0
Total		2122	2070	55	387	1577	32	19	0

DISTRIBUTION LOSSES OF 11KV FEEDERS FOR THE MONTH OF JUNE-2021 (MAY-2021 INPUT WITH JUNE-2021 DEMAND)

Name of the ESCOM	Type of the Feeders	No. of 11KV Feeder Existing	No. of 11KV Feeder Audited	NUMBER OF FEEDERS WITH DISTRIBUTION LOSSES					
				<5	5 to 10	10 to 15	15 to 20	20 to 30	>30
GESCOM	<i>Urban</i>	314	300	7	82	198	13	0	0
	<i>Industrial</i>	104	103	14	40	47	2	0	0
	<i>I/P Set</i>	1004	979	12	229	728	10	0	0
	<i>NJY</i>	623	615	10	104	499	2	0	0
	<i>Rural</i>	25	24	0	8	16	0	0	0
	<i>WW</i>	63	60	14	29	17	0	0	0
Total		2133	2081	57	492	1505	27	0	0

DISTRIBUTION LOSSES OF 11KV FEEDERS FOR THE MONTH OF JULY-2021 (JUNE-2021 INPUT WITH JULY-2021 DEMAND)

Name of the ESCOM	Type of the Feeders	No. of 11KV Feeder Existing	No. of 11KV Feeder Audited	NUMBER OF FEEDERS WITH DISTRIBUTION LOSSES					
				<5	5 to 10	10 to 15	15 to 20	20 to 30	>30
GESCOM	<i>Urban</i>	315	302	3	38	240	19	2	0
	<i>Industrial</i>	103	101	17	31	49	4	0	0
	<i>I/P Set</i>	1009	987	1	124	840	20	2	0
	<i>NJY</i>	624	618	5	58	539	16	0	0
	<i>Rural</i>	21	20	0	1	19	0	0	0
	<i>WW</i>	65	62	9	26	25	2	0	0
Total		2137	2090	35	278	1712	61	4	0

DISTRIBUTION LOSSES OF 11KV FEEDERS FOR THE MONTH OF AUGUST-2021 (JULY-2021 INPUT WITH AUGUST-2021 DEMAND)

Name of the ESCOM	Type of the Feeders	No. of 11KV Feeder Existing	No. of 11KV Feeder Audited	NUMBER OF FEEDERS WITH DISTRIBUTION LOSSES					
				<5	5 to 10	10 to 15	15 to 20	20 to 30	>30
GESCOM	<i>Urban</i>	315	301	2	40	212	43	4	0
	<i>Industrial</i>	102	100	12	35	50	2	1	0
	<i>I/P Set</i>	1011	989	1	64	904	18	2	0
	<i>NJY</i>	629	619	3	37	569	10	0	0
	<i>Rural</i>	20	20	0	0	20	0	0	0
	<i>WW</i>	66	63	11	34	18	0	0	0
Total		2143	2092	29	210	1773	73	7	0


 Executive Engineer
 Regulatory Affairs
 Corporate Office,
 GESCOM, KALABURAGI

**DISTRIBUTION LOSSES OF 11KV FEEDERS FOR THE MONTH OF SEPTEMBER-2021
(AUGUST-2021 INPUT WITH SEPTEMBER-2021 DEMAND)**

Name of the ESCOM	Type of the Feeders	No. of 11KV Feeder Existing	No. of 11KV Feeder Audited	NUMBER OF FEEDERS WITH DISTRIBUTION LOSSES					
				<5	5 to 10	10 to 15	15 to 20	20 to 30	>30
GESCOM	Urban	318	302	3	69	208	13	9	0
	Industrial	106	102	8	37	52	5	0	0
	I/P Set	1017	999	1	87	896	15	0	0
	NJY	636	628	1	38	580	9	0	0
	Rural	20	20	0	1	19	0	0	0
	WW	66	63	9	33	20	1	0	0
Total		2163	2114	22	265	1775	43	9	0

The NJY feeders with high losses are referred to vigilance wing for inspection and initiating action for remedial measures and submission of the compliance report.

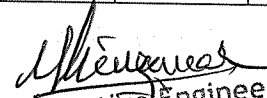
Apart from this GESCOM has instructed all O&M divisions to take up following activities on loss feeders and reduce the losses to prescribed limit.

1. 100% tagging of installations to DTCs and DTCs to feeders.
2. Load balancing of DTCs.
3. Ensure 100% billing
4. Booking of theft cases.
5. Test checking of installations.
6. Inspection of distribution system elements for any defects and rectification thereon.
7. Replacement of DC/MNR meters.
8. Sealing of energy meters.

GESCOM Reply :

Comparative statement of losses recorded in Towns & Cities for FY21 as against the FY20 is as follows.

Sl. No.	Name of the Town/City	FY- 20			FY- 21		
		Energy consumed in town (MU)	Total sold energy (MU)	Distribution Loss (%)	Energy consumed in town (MU)	Total sold energy (MU)	Distribution Loss (%)
		1	2	3	1	2	3
1	KALABURAGI URBAN	396.68	358.13	9.72	393.16	363.15	7.63
2	ALAND	16.54	14.43	12.76	17.22	15.17	11.90
3	SHAHABAD	21.02	18.82	10.50	19.92	18.24	8.43
4	WADI	17.97	15.92	11.41	19.72	17.86	9.43
5	YADGIR	54.14	46.30	14.47	50.53	44.55	11.83
6	SHAHAPUR	37.13	31.62	14.83	35.65	30.97	13.11


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 Regulatory Affairs
 Corporate Office,
 GESCOM, KALABURAGI

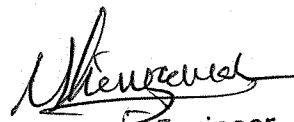
7	SHORAPUR	25.03	21.98	12.18	24.62	21.99	10.71
8	SEDAM	17.36	15.66	9.80	21.14	18.90	10.61
9	BIDAR	157.94	139.92	11.41	142.90	128.24	10.26
10	BHALKI	21.64	19.10	11.77	20.54	17.77	13.51
11	BASAVA KALYAN	24.61	21.92	10.92	28.34	25.61	9.65
12	HUMNABAD	50.05	45.70	8.69	55.86	51.96	6.98
13	RAICHUR URBAN	237.16	196.74	17.04	233.52	195.94	16.09
14	MANVI	42.49	36.30	14.59	39.11	33.39	14.62
15	SINDHANUR	35.97	32.42	9.87	42.18	38.49	8.75
16	KOPPAL	50.05	45.21	9.67	48.75	43.96	9.83
17	GANGAVATHI	55.96	49.57	11.43	54.28	48.07	11.44
18	HOSPET URBAN	129.96	115.84	10.86	136.48	122.61	10.16
19	KAMPLI	22.55	19.86	11.92	20.28	17.55	13.44
20	BALLARI URBAN	283.50	248.91	12.20	273.73	243.75	10.95
21	SIRUGUPPA	31.62	27.84	11.95	33.09	29.25	11.59

GESCOM Reply to DTCs Energy Audit:

In GECOM jurisdiction there exist 116285 DTCs as on 30.09.2021. Out of which there are 73176 DTCs pertain to IP category and 750 DTCs pertain to single installations. There are 42359 Non- IP DTCs which require metering and energy audit. The status of DTC metering and energy audit in GESCOM is as follows.

Sl. No	No. of Non-IP DTCs which require metering	No. of metered DTCs	No. of unmetered DTCs	No. of DTCs for which energy audit is conducted	Balance DTCs to be audited	Reason for not conducting energy audit
1	42359	28757	13602	13050	15707	Meters are non-functional for requirement of various materials like, CT, PT, lead wire, cable etc.

GESCOM has invited tender at Zonal level for supply and installation of various materials required to make around 9007 non-functional DTC meters to functional. So far works has been completed for 3928 DTCs. GESCOM has instructed all the divisions to take up energy audit of 3928 DTCs for which meters are made functional. For DTCs where meters are not communicating GESCOM has instructed to take manual reading and conduct energy audit. GESCOM has already taken action to ensure 100% tagging of installations to DTC and DTCs to feeders and by the end of December-21 all divisions are instructed to complete tagging activity and ensure generation of system energy audit.


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

Further Under RDSS scheme GESCOM has proposed to take up metering of balance un-metered DTCs with AMI feature.

Further the reason GESCOM would like to state that, in the tariff filing for the previous financial year 87,329 DTCs are shown as metered including IP DTCs by mistake.

It has come to the notice of the Commission that, GESCOM has taken initiative and invested huge capital on remote reading of energy meters provided to various DTCs for achieving efficient energy auditing. GESCOM has not clearly mentioned on the status of communication system provided, action taken to achieve 100% communication and to analyze the data towards remedial measures for setting right the issues, conducting energy audit etc., GESCOM shall furnish the details on the number of meters provided to DTCs to have AMI in place by the earlier agencies, % of communication achieved, % age energy audit conducted with the AMI fetched readings etc.,

Reply:- GESCOM has instructed all O&M divisions to conduct details survey of DTC metering and take up remedial measures immediately where meters are not communicating due to minor problems and submit detailed report to Corporate Office.

GESCOM shall submit the details of energy audit conducted for the metered DTCs and the timeline by which all the remaining DTCs will be metered and audited.

Reply:- Details of energy audit conducted for the metered DTCs for Sept-21 are as follows.

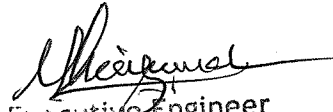
No. Of existing DTCs on feeder	No. Of metered DTCs	No. Of Balance to be metered DTCs	No. Of Audited DTCs out of metered DTCs	Energy Audited DTCs with Distribution Losses					
				<5%	5-10%	10-15%	15-20%	20-30%	>30%
42359	28757	13602	13050	1845	3675	6039	1355	136	0

10. Implementation of NJY

GESCOM in table 29, page No 72 of its tariff filing has informed that the number of hours of power supply given on agricultural feeders is 22-24 hours. GESCOM shall furnish the guidelines for providing power supply to agricultural feeders as per the GoK and the reasons for extending 22-24 hours of power supply to the agricultural feeders.

It is observed from table 31, page number 73 that the IP set consumption from April 2020 to March 2021 as 3029.06 MU, whereas, as per the tariff filing data in page No 98, 99 the sales for the same period is mentioned as 3041.47 MU.

GESCOM has neither submitted the signed hard copies of calculation sheet of month-wise assessment of sales to IP installations nor the soft copy of the same for FY21 and FY22.


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

GESCOM has also not submitted the D-2 Format for FY21. GESCOM is directed to submit all the relevant documents towards its claims of sales to IP installations.

GESCOM Reply:

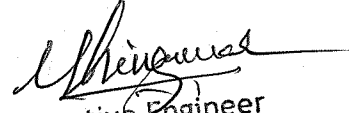
As per the observation made by Hon'ble Commission in Table-29 page 72 of Tariff Application that GESCOM has reported the No., of Hours of Power supply given on Agriculture feeder is 22 .00 to 24.00 Hours. It is hereby clarified on the matter that the table 29 was comprising the data related to NJY Feeders separation and No., of hour power supply arranged to consumers connected to NJY feeders, due to typing error, at Colum no., 14 of table -29 it was mentioned as No., of Hours of power supply given on agriculture feeders instead of NJY Feeder in the light of above the clarification stated may kindly be considered, however the No., of Hours of power supply arranged to the Agriculture feeders are on an average of 7 Hrs., only as per GoK guidelines.

As per the observation made in Tariff Application that there is different value mentioned of IP set consumption from April 2020 to March 2021 at page no 73 & 98,99. The Hon'ble Commission is requested to consider sales for the period from April 2020 to March 2021 as 3041.47 MU.

As per the observation made above GESCOM has submitted the soft copy of calculation sheet of month wise assessment of sales to IP Sets installations for the FY-21 which is sent via., email on dated 15.12.2021 and also the details for FY-21 & FY-22 (signed copy) is enclosed as Annexure-A(2)(a).

The D-2 Format is submitted in the soft copy of Tariff petition for FY-21. However it is indicated as below:

Sl. No	Category	Consumer Category Particulars	Actual				
			year (20-21)				
			Midyear installations	End year installations	Energy Sold (MU)	Revenue (Rs Crs)	ARR (P/u)
A : LT Category - Revenue as per Tariff Order							
1	LT 2 (a)	All Electric Homes (AEH)	1857656	1885548	1305.88	803.49	6.15
2	LT 2 (b)	Private Professional educational institutions	5297	5338	9.56	9.19	9.61
3	LT 3	Commercial and Non Industrial Light and Fan	291751	298803	329.91	338.39	10.26
4	LT 4 (b)	Irrigation Pump sets (> 10 HP)	2297	2298	3.29	2.13	6.47
5	LT 4 (c)	Private Horticulture Nurseries	458	478	1.43	1.14	7.97
6	LT 5	Industrial Heating & Motive power	67491	68746	176.66	145.48	8.24
7	LT 6(a)	Water Supply - Urban & Rural	25966	28071	399.04	234.01	5.86
8	LT 6(b)	Public Lighting - Urban & Rural	13383	15479	206.48	130.60	6.33
9	LT 7	Temporary Power Supply	35683	39347	20.87	36.95	17.70
B : LT Category - Revenue as per Subsidy Allocation of Government							


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

10	LT 1 (a)	Bhagya Jyoti/ Kutira Jyoti	597675	597675	256.61	190.17	7.41
11	LT 4 (a)	Irrigation Pump sets (< 10 HP)	403870	407519	3041.47	1869.75	6.15
C	LT Total		3301527	3349302	5751.20	3761.30	6.54
12	HT 1	Public Water Supply and Sewage Pumping	163	167	122.38	79.95	6.53
13	HT 2 a	Industrial , Non- industrial & Non-commercial Purposes	1743	1778	911.29	881.78	9.68
14	HT 2 b	Commercial	421	434	57.75	63.02	10.91
15	HT 2 c	Govt. hospital & charitable institution	218	228	23.85	24.69	10.35
16	HT 3	Irrigation & Agricultural farms, LI Societies	429	431	105.06	43.80	4.17
17	HT 4	Private Residential Apartments	43	44	15.21	11.19	7.36
18	HT 5	Temporary Power Supply – HT	47	46	15.51	18.97	12.23
D	HT TOTAL	HT Total	3064	3128	1251.05	1123.40	8.98
E	TOTAL	Total (LT+HT)	3304591	3352430	7002.25	4884.70	6.98
17	II	Efficiency Improvement					
18	III	MUSS Consumption & UBR					
19	IV	Accounting of the True up exercise on accrual basis for FY 08, 09 & 10 as per Tariff order 2010 and KERC Order Dated 6/1/11					
20	V	Misc. Charges from Consumers					
	1	Fuse of calls					
	2	Reconnection Fee					
	3	Public lighting maintenance charges					
	4	Service connection charges					
	5	Delayed payment charges				177.91	
	6	Other receipts				17.51	
	7	Inter State Sale of Energy (IEX)			212.01	104.98	4.95
		Total of IV	0.00	0.00	212.01	300.40	14.17
F	V	Gross Revenue from Sale of Power (I+II+III+IV)	3304591	3352430	7214.26	5185.10	7.19
G	VI	LESS:					
	1	Withdrawal of Revenue				6.3	
	2	Other State levies payable (Contra)					
		Total of VI	0		0.00	6.30	
H	VII	Rural Rebate					
I	VIII	Add : Regulatory Assets Accounted provisionally					
J	IX	Total (V-Vi)	3304591	3352430	7214.26	5178.80	7.18

Hon'ble commission may kindly consider D-2 as per above

13. Directive on Implementation of Financial Management Framework

GESCOM has to submit the compliance in respect of implementation of Financial Management Framework, on quarterly basis regularly to the Commission **as per the directions issued considering all the parameters indicated in the Tariff Order 2021.**

GESCOM shall submit the detailed analysis and the result of Financial Management Framework Model introduced in its divisions / subdivisions to improve their performances for FY21 as well. GESCOM shall submit the action taken towards the recovery of arrears along with the action plan.


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

GESCOM Reply:

The details of introduction of financial management framework model of the divisions & it's performance is indicted as below:

Sl. No.	Division Name	Energy Sales	Demand in Crs.	Energy Input	Distribution Loss %	ARR Per unit
1	Gulbarga CSC	347.34	263.10	394.69	12.00%	7.57
2	Gulbarga Div-I	464.48	319.73	517.63	10.27%	6.88
3	Gulbarga Div-II	270.46	205.74	284.01	4.77%	7.61
4	Sedam	234.07	177.52	250.27	6.47%	7.58
5	Yadgir	598.54	394.18	694.78	13.85%	6.59
6	Bidar	549.67	381.23	606.58	9.38%	6.94
7	Humnabad	354.26	238.84	395.43	10.41%	6.74
8	Ballari CSC	228.90	165.33	257.93	11.25%	7.22
9	Ballari Rural	732.33	540.42	855.95	14.44%	7.38
10	Hospet CSC	117.52	98.46	130.25	9.77%	8.38
11	Hospet Rural	746.41	521.26	851.41	12.33%	6.98
12	Raichur CSC	196.37	157.26	227.84	13.81%	8.01
13	Raichur Rural	596.28	408.93	707.99	15.78%	6.86
14	Sindhanoor	460.99	306.98	519.20	11.21%	6.66
15	Koppal	590.45	487.18	655.12	9.87%	8.25
16	Gangavathi	497.63	341.40	590.90	15.78%	6.86

The division achievement of Distribution loss & ARR is analyzed hereunder:

For FY-21 (April -2020 to Mar -2021)							
Sl No	Name of Division	Target		Achieved		Difference	
		Distribution Loss %	Average Realization Rate as per tariff order- FY20 Rs. Per unit	Distribution Loss - %	Average Realization Rate Rs. Per unit	Distribution Loss - %	Average Realization Rate Rs. Per unit
1	2	3	4s	5	6	7=(5-3)	8=(6-4)
1	Gulbarga CSC	14.00%	7.47	12.00%	7.57	-2.00%	0.10
2	Gulbarga Div-I	14.00%	7.47	10.27%	6.88	-3.73%	-0.59
3	Gulbarga Div-II	14.00%	7.47	4.77%	7.61	-9.23%	0.14
4	Sedam	14.00%	7.47	6.47%	7.58	-7.53%	0.11
5	Yadgir	14.00%	7.47	13.85%	6.59	-0.15%	-0.88
6	Bidar	14.00%	7.47	9.38%	6.94	-4.62%	-0.53
7	Humnabad	14.00%	7.47	10.41%	6.74	-3.59%	-0.73
8	Ballari CSC	14.00%	7.47	11.25%	7.22	-2.75%	-0.25
9	Ballari Rural	14.00%	7.47	14.44%	7.38	0.44%	-0.09
10	Hospet CSC	14.00%	7.47	9.77%	8.38	-4.23%	0.91

98

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Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

11	Hospet Rural	14.00%	7.47	12.33%	6.98	-1.67%	-0.49
12	Raichur CSC	14.00%	7.47	13.81%	8.01	-0.19%	0.54
13	Raichur Rural	14.00%	7.47	15.78%	6.86	1.78%	-0.61
14	Sindhanoor	14.00%	7.47	11.21%	6.66	-2.79%	-0.81
15	Koppal	14.00%	7.47	9.87%	8.25	-4.13%	0.78
16	Gangavathi	14.00%	7.47	15.78%	6.86	1.78%	-0.61

<i>Top 5 Division in terms of Distribution Loss & ARR</i>				
Sl. No	Divisions	Dist. Loss in %age	Divisions	ARR
1	Gulbarga Div-II	4.77%	Hospet CSC	8.38
2	Sedam	6.47%	Koppal	8.25
3	Bidar	9.38%	Raichur CSC	8.01
4	Hospet CSC	9.77%	Gulbarga Div-II	7.61
5	Koppal	9.87%	Sedam	7.58

<i>Poor 5 Division in terms of Distribution Loss & ARR</i>				
Sl. No	Divisions	Dist. Loss in %age	Divisions	ARR
1	Raichur CSC	13.81%	Gangavathi	6.86
2	Yadgir	13.85%	Raichur Rural	6.86
3	Ballari Rural	14.44%	Humnabad	6.74
4	Raichur Rural	15.78%	Sindhanoor	6.66
5	Gangavathi	15.78%	Yadgir	6.59

Action taken towards the recovery of arrears:

Statement showing the arrears collection from recoverable tariff from Jun-21 to Nov-21

In Rs Crores.

SL No	Month	Arrears Collection From Jul-21 to Nov-21
1	July-21	26.67
2	Aug-21	12.22
3	Sep-21	15.63
4	Oct-21	3.54
5	Nov-21	4.20
Total Arrears Collection From Jul-21 to Nov-21		62.25

14. Prevention of Electrical Accidents

GESCOM, shall submit an action plan to rectify the balance hazardous locations and shifting the transformers located on foot paths.


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

GESCOM shall furnish the summary of the analysis made on the reports submitted by the Electrical Inspectorate for FY21 and up to September, 2021, on accidents and action taken to prevent such accidents in future.

GESCOM shall also furnish the details of hazardous locations for the FY21.

GESCOM Reply:

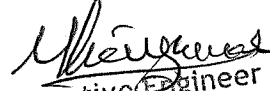
As per the observation GESCOM is herewith submit the action plan to rectify the balance hazardous locations and shifting the DTCs located on footpath as follows:

Details of hazardous locations identified and rectified (Including schools, colleges, Hostels and Transformers located on footpath) from 01.04.2021 to 30.09.2021 and month wise Target for rectification of balance hazardous locations including anticipated locations up to 31.03.2022.

Sl.N o.	Name of the Division	Hazardous Location pending for rectificatio n 31.03.2021 (OB)	No of hazardous locations identified upto September- 21	No of hazardous locations Identified as on 30.09.2021 (Including OB)	No of hazardous locations rectified as on 30.09.2021 (Including OB)	No of hazardous locations pending as on 30.09.2021	Total Target for FY:21-22 including Pendency for rectification as on 30.09.2021 and anticipated identification up to 31.03.2022	Month wise Target for rectification of hazardous locations for FY:2021- 22 including Pendency as on 30.09.2021 and anticipated identification up to 31.03.2022)					
								Oct- 21	Nov- 21	Dec- 21	Jan- 22	Feb- 22	Ma- r-22
1	Kalaburagi Urban	22	101	123	120	3	92	15	14	13	15	17	18
2	Kalaburagi Division-I	33	41	74	42	32	56	10	9	10	11	9	7
3	Kalaburagi Division-II	73	41	114	51	63	58	8	9	10	10	11	10
4	Sedam	26	132	158	71	87	56	9	10	8	11	9	9
5	Yadgir	22	25	47	38	9	116	19	22	18	19	20	18
6	Bidar	125	89	214	169	45	72	11	12	13	11	14	11
7	Humnabad	6	32	38	26	12	50	10	11	12	13	12	12
8	Ballari Urban	21	33	54	20	34	55	9	8	10	9	10	9
9	Ballari Rural	0	58	58	56	2	36	5	7	7	6	6	5
10	Hospet Urban	20	46	66	24	42	56	10	10	9	8	9	10
11	Hospet Rural	101	63	164	118	46	97	17	16	18	16	17	13
12	Raichur Urban	24	9	33	15	18	63	12	10	11	11	9	10
13	Raichur Rural	39	240	279	174	105	105	18	19	18	15	17	18
14	Sindhanoor	93	123	216	122	94	109	20	18	17	20	18	16
15	Koppal	63	15	78	58	20	46	6	8	8	9	8	7
16	Gangavathi	33	33	66	12	54	54	10	9	9	9	8	9
	Total	701	1081	1782	1116	666	1121	189	192	191	193	194	182

Action plan for rectification of hazardous locations for FY:2021-22 including Pendency for rectification as on 30.09.2021 and anticipated identification up to 31.03.2022).

- 1) Monthly target has been fixed for each division for rectification of hazardous locations for FY:2021-22 including Pendency as on 30.09.2021 and anticipated identification up to 31.03.2022)
- 2) Achievement of each division against the set target will be reviewed on monthly basis during review meeting.
- 3) Timely availability of required material for the purpose will be ensured by Corporate Office.


Executive Engineer
Regulatory Affairs
Corporate Office,
GESCOM, KALABURAGI

4) Provision of sufficient budget for safety measures has been already been made under the Capex for FY:2021-22.

5) Noncompliance on part of any official/workmen will be dealt with seriously.

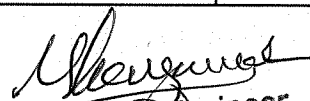
Summary of the Analysis made on the reports submitted by the Electrical Inspectorate for FY22 up to Sept-2021: In FY22 up to September-21, 23 inspection reports are submitted by the Electrical Inspectorate, detailed as below:

Sl No	Accidents involving		Injury Nature	No of Victims
1	Human Beings	Dept	Fatal	1
2		Non-Dept	Fatal	14
3		Dept	Non-Fatal	1
4		Non-Dept	Non-Fatal	4
		Total		20
5	Animals		Fatal	6
			Non-Fatal	0
6	Fire incidents		Electric Fire	1
			Non-Electric Fire	2

Abstract of violations of Central Electricity Authority (Measures relating to Safety & Electric Supply Regulation) 2010 is as below:

Particulars	Fatal		Non-Fatal	
	Dept	Non-Dept	Dept	Non-Dept
Operation and maintenance of transmission, distribution systems	1			
Operation and maintenance of electric supply lines		4		1
Service lines and apparatus on consumer's premises:		4		1
Handling of electric supply lines and apparatus	1	1		

Particulars	Fatal	Non-Fatal
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 Executive Engineer
 Regulatory Affairs
 Corporate Office,
 GESCOM, KALABURAGI

	<i>Dept</i>	<i>Non-Dept</i>	<i>Dept</i>	<i>Non-Dept</i>
<i>Supply and use of electricity by providing necessary protective devices</i>		<i>2</i>		<i>1</i>
<i>Earth leakage protective device</i>		<i>2</i>		
<i>Clearance above ground of the lowest conductor of overhead lines</i>		<i>2</i>	<i>1</i>	<i>2</i>
<i>Transporting and storing of material near overhead lines</i>		<i>1</i>		
<i>Earthing of Stay Wire</i>		<i>1</i>		
<i>Un-authorized Electrification of Fencing with AC instead of Solar Fencing</i>		<i>2</i>		

For accidents involving Animals:

<i>Particulars</i>	<i>Animal Fatal</i>
<i>Operation and maintenance of transmission, distribution systems</i>	<i>5</i>

For accidents involving Fire:

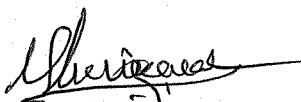
<i>Particulars</i>	<i>Electric Fire</i>	<i>Non-Electric Fire</i>
<i>Non-Electric Fire</i>		<i>2</i>
<i>Operation and maintenance of electric supply lines</i>	<i>1</i>	
<i>Interlocks and protection for use of electricity at voltage exceeding 650 Volts</i>	<i>1</i>	

As per Electrical Inspectorate, major reasons for accidents occurred are due to violation of regulations governing maintenance of lines and providing protection systems for lines.

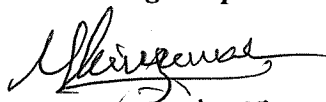
Also, many accidents are occurred due to violation of regulations governing safe use of electricity by consumers and safe transportation of materials near electric lines. And unauthorized use of electricity by the victims.

Actions Taken to Prevent Accidents:

- 1. All field officers are instructed for proper supervision of installation and construction of electric lines/apparatus. And EEs/SEE/CEEs are monitoring the same.*


 Executive Engineer
 Regulatory Affairs
 Corporate Office,
 GESCOM, KALABURAGI

2. Operational healthiness of lines/equipment protection circuits/relays is being monitored in all periodical meetings of field officers and co-ordination meetings held with KPTCL Officers.
3. Periodical calibration of all relays of 11kV, 33kV lines in GESCOM's 33/11kV substations are being carried out by GESCOM RT staff. KPTCL officers are being persuaded to calibrate relays & protection systems of distribution lines at their substations.
4. Electromechanical relays are being replaced by Electronic/Numerical relays wherever necessary.
5. MRT Executive Engineers are monitoring effective relay testing & calibration.
6. Awareness being created among consumers and field staff to maintain healthy service wires and see that service wires swaying in air don't come in contact with metal sheets/rods/angles/stone roof which will cause damage to service wire and may lead to electrical accidents.
7. All field staff working on lines/apparatus are provided with safety tools and equipment like gloves, Safety belts, Shoes, Helmets, Earthing rods, Ladders, Line live testers.
8. Field staff trained in safety workshops held at divisional levels and mock drills to use safety gear and maintain safety equipment in sound and working condition.
9. Field staff trained periodically to use safety gear and work on lines by creating safety zones.
10. All LM/JLM/SO etc have been instructed to use correct rated fuse wires to replace whenever existing fuses fuse-out and while attending FoC complaints.
11. O&M CEE/SEE/EEE/AEEEs and Vigilance SP/DySP/PSI are informed to conduct surprise inspections to monitor use of safety tools and devices and practicing of safe methods by field staff
12. MCCB provided on secondary side of transformers at DTC centers in towns and cities.
13. LT protection kits with rated fuses are provided in rural & urban areas.
14. All Field staff are trained and instructed to maintain transformer neutral and grounding as per norms.
15. To maintain always healthy DC supplies at substations aged battery sets and battery chargers are being replaced by new maintenance free battery sets and new battery chargers (Tender under process).
16. (Budget of Rs 2000.33 Lakhs and Rs 3807 Lakhs under CAPEX and SDP for identification and rectification of hazardous locations by doing safety audit of distribution system. Up to Nov-19, Rs 894.9 Lakhs and Rs 1488.41 Lakhs expenditure made under CAPEX and SDP respectively.)
17. (Field staff and supervising staff are directed to increase the efforts to identify and rectify hazardous locations on all feeders and take up suitable action to maintain distribution system as per norms by providing intermediate poles/I-beams/towers wherever necessary to maintain clearances of overhead lines from ground/buildings as per norms.)

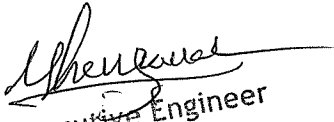

 Executive Engineer
 Regulatory Affairs
 Corporate Office,
 GESCOM, KALABURAGI

18. Awareness among the general public created through advertisements of DO's and DON'Ts of safety through daily newspaper and special issue magazines.
19. To maintain clearances of buildings from overhead lines & apparatus, DTCs etc as per norms.
20. Field staff and contractors instructed to construct electric lines, establish new DTCs duly maintaining adequate clearances as per norms.
21. To transport materials near overhead lines only after informing GESCOM staff and do not store materials near/below overhead lines which may lead to electric accident/ fire.
22. To not to use grid AC supply for electric fencing. Solar fencing wherever needed to be installed through reputed and authorized solar fence providing firms and maintained as per norms
23. Discussions held with customers at regular customer interaction meetings regarding electrical safety, Electricity conservation etc.
24. Field staff and supervising staff are directed to maintain unused or idle overhead lines as that of live lines or else decommission the idle lines which are not required any more.

GESCOM shall also furnish the details of hazardous locations for the FY21.

Reply:-The details of hazardous locations identified and rectified for FY-21& FY-22 (upto Sept-21) are as follows.

SL no	Hazardous location Details for FY-21& FY-22 (upto Sept-21)				
	Hazardous location as on 31.03.2021 (OB)	Hazardous location Identified from April-21 to Sept-21	Total Hazardous location including OB	Hazardous location Rectified up to Sept-21	Balance Hazardous location
1	701	1082	1783	1105	678


 Executive Engineer
 Regulatory Affairs
 Corporate Office,
 GESCOM, KALABURAGI