

CHAPTER-6

REVISED SALES FORECAST FOR FY-25

As per Regulation No. 2.5.2, the ARR for *Retail* Supply Business shall be expected revenue from charges at the existing tariff. In order to estimate ERC, the accurate sale forecast is necessary. The energy sale for control period depends upon the population, policies of the Government, the various schemes under implementation, the No. of hours of supply available to consumers etc. These facts have an impact on growth of installations. Hence, HESCOM has analyzed the growth of installations in the area of supply for the period from FY-18 to FY-23. Due to various reasons, some of the installations across the categories are being dismantled. This fact is also considered in estimation of sale forecast. In order to have accurate sale forecast, year-end number of installations and total energy sold across the categories during respective year is reviewed to ascertain the growth.

Projection for FY-25 is based on the lower of the CAGRs for the period FY 18 to FY 23 and for the period FY 20 to FY 23. Wherever CAGR is not appropriate, some modification is also done in some of the categories as explained below:

Installations:

The Hon'ble KERC had approved total No of installations of 66,14,647 for FY-25 vide Tariff Order Dtd 04.04.2022.

Now, the number of installations is projected for FY-25, based on CAGR for the period FY 18 - FY 23 and for the period FY 20 - FY 23 considering only live installations. The estimates based on the lower of the CAGRs for the period FY 18 - FY 23 and for the period FY 20 - FY 23 is considered for projection.

CAGR is calculated as under:

$$\text{CAGR} = \left\{ \left(\frac{Y_n}{Y_i} \right)^{\frac{1}{(n-1)}} - 1 \right\} * 100$$

For estimating CAGR for the period FY 18 - FY 23,

Y_n is the data pertaining to FY-23.

Y_i is the data pertaining to FY-18 and n=6.

For estimating CAGR for the period FY 20 - FY 23.

Y_n is the data pertaining to FY-23.

Y_i is the data pertaining to FY-20 and n=4.



The details of Projection are as follows:

LT-1 Bhagya Jyothi/Kuteer Jyothi (Up to 40 units):

Sl No.	Particulars	No. of Installations
1	Number of live installations in FY-23	617028
2	Number of live installations in FY-18	699135
3	Increase in no of live installations	-82107
4	Number of live installations in FY-20	676045
5	Increase in no of live installations	(-) 59017
6	No. of installations projected for FY-25	617028

LT-1 Bhagya Jyothi/Kuteer Jyothi (Above 40 units):

SI No.	Particulars	No. of Installations
1	Number of live installations in FY-23	52403
2	Number of installations in FY-18	38817
3	Increase in no of installations	13586
4	Total No. of installations in FY-20	41896
5	Increase in no of installations	10507
6	No. of installations projected for FY-25	52403

Note: As there is no new scheme for BJ/KJ proposed by GOK, the growth is not projected.

LT-2(a) Domestic installations

SI No.	Particulars	No. of Installations
1	Number of live installations in FY-23	2905584
2	Number of installations in FY-18	2372628
3	Increase in number of installations	532956
4	Increase in growth as per CAGR FY-18 to FY-23	4.14%
5	Number of installations in FY-20	2642057
6	Increase in number of installations	263527
7	Increase in growth as per CAGR FY-20 to FY-23	3.22%
8	Number of installations projected for FY-25	3095715

LT-2(b) Private & Professional Educational Institutions, Private Hospitals and Nursing Homes:

SI No.	Particulars	No. of Installations
1	Number of live installations in FY-23	6938
2	Number of installations in FY-18	6058
3	Increase in number of installations	880
4	Increase in growth as per CAGR FY-18 to FY-23	2.75%
5	Number of installations in FY-20	6511
6	Increase in number of installations	427
7	Increase in growth as per CAGR FY-20 to FY-23	2.14%
8	Number of installations projected for FY-25	7238

LT-3 Commercial Installations including Permanent supply to Advertising Hoardings:

SI No.	Particulars	No. of Installations
1	Number of live installations in FY-23	399582
2	Number of installations in FY-18	325189
3	Increase in number of installations	74393
4	Increase in growth as per CAGR FY-18 to FY-23	4.21%
5	Number of installations in FY-20	353064
6	Increase in number of installations	46518
7	Increase in growth as per CAGR FY-20 to FY-23	4.21%
8	Number of installations projected for FY-25	433905



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LT-4(a) IP Sets up to and inclusive of 10 HP:

SI No.	Particulars	No. of Installations
1	Number of live installations in FY-23	1007255
2	Number of installations in FY-18	684375
3	Increase in number of installations	322880
4	Increase in growth as per CAGR FY-18 to FY-23	8.04%
5	Number of installations in FY-20	941725
6	Increase in number of installations	65530
7	Increase in growth as per CAGR FY-20 to FY-23	2.27%
8	Number of installations projected for FY-25	1057255

Note: As per CAGR for FY-18 to FY-23, the growth rate is 8.04%, which is very huge compared to previous years. HESCOM has projected 25,000 numbers of installations that may be serviced in each year for FY-24 & FY-25 considering the additions in previous years. HESCOM has projected 10,32,255 number of installations for FY-24 & 10,57,255 number of installations for FY-25.

LT-4(b) IP Sets - Above 10 HP:

SI No.	Particulars	No. of Installations
1	Number of live installations in FY-23	548
2	Number of installations in FY-18	615
3	Increase in number of installations	(-) 67
4	Increase in growth as per CAGR FY-18 to FY-23	(-) 2.28%
5	Number of installations in FY-20	573
6	Increase in number of installations	(-)25
7	Increase in growth as per CAGR FY-20 to FY-23	(-)1.48%
8	Number of installations projected for FY-25	577

Note: As the growth rate is negative as per CAGR FY-18 to FY-23 and also as per CAGR FY-20 to FY-23, present growth (2.62%) is considered for projection

LT-4(c) IP Sets - Pvt Horticultural, Nurseries, Coffee, Tea & Rubber plantations :

SI No.	Particulars	No. of Installations
1	Number of live installations in FY-23	464
2	Number of installations in FY-18	335
3	Increase in number of installations	129
4	Increase in growth as per CAGR FY-18 to FY-23	6.73%
5	Number of installations in FY-20	401
6	Increase in number of installations	63
7	Increase in growth as per CAGR FY-20 to FY-23	4.98%
8	Number of installations projected for FY-25	510



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LT-5 LT Industries:

Sl No.	Particulars	No. of Installations
1	Number of live installations in FY-23	103083
2	Number of installations in FY-18	99124
3	Increase in number of installations	3959
4	Increase in growth as per CAGR FY-18 to FY-23	0.79%
5	Number of installations in FY-20	100505
6	Increase in number of installations	2578
7	Increase in growth as per CAGR FY-20 to FY-23	0.85%
8	Number of installations projected for FY-25	104711

LT-6 (a) Water Supply:

Sl No.	Particulars	No. of Installations
1	Number of live installations in FY-23	46737
2	Number of installations in FY-18	39606
3	Increase in number of installations	7131
4	Increase in growth as per CAGR FY-18 to FY-23	3.37%
5	Number of installations in FY-20	45073
6	Increase in number of installations	1664
7	Increase in growth as per CAGR FY-20 to FY-23	1.22%
8	Number of installations projected for FY-25	47880

LT-6 (b) Public Lighting:

Sl No.	Particulars	No. of Installations
1	Number of live installations in FY-23	29178
2	Number of installations in FY-18	22303
3	Increase in number of installations	6875
4	Increase in growth as per CAGR FY-18 to FY-23	5.52%
5	Number of installations in FY-20	24046
6	Increase in number of installations	5132
7	Increase in growth as per CAGR FY-20 to FY-23	6.66%
8	Number of installations projected for FY-25	32489

LT-6 (c) Electric Vehicle Charging Station and Battery Swapping Stations

5 Numbers of installations are serviced during FY 2022-23. 20 Numbers of installations serviced during the period from Apr-23 to Sept-23. Considering the present trend, number of installations projected for FY 25 is 60.

Sl No.	Particulars	No. of Installations
1	Number of live installations in FY-23	5
2	Number of installations in FY-18	0
3	Increase in number of installations	5
4	Number of installations in FY-20	0
5	Increase in number of installations	5
6	Number of installations projected for FY-25	60



LT-7 Temporary Supply:

Sl No.	Particulars	No. of Installations
1	Number of live installations in FY-23	66326
2	Number of installations in FY-18	36692
3	Increase in number of installations	29634
4	Increase in growth as per CAGR FY-18 to FY-23	12.57%
5	Number of installations in FY-20	48817
6	Increase in number of installations	17509
7	Increase in growth as per CAGR FY-20 to FY-23	10.76%
8	Number of installations projected for FY-25	81363

HT-1 Water Supply, Sewerage Installations:

Sl No.	Particulars	No. of Installations
1	Number of live installations in FY-23	421
2	Number of installations in FY-18	308
3	Increase in number of installations	113
4	Increase in growth as per CAGR FY-18 to FY-23	6.45%
5	Number of installations in FY-20	372
6	Increase in number of installations	49
7	Increase in growth as per CAGR FY-20 to FY-23	4.21%
8	Number of installations projected for FY-25	457

HT-2 (a) Industrial:

Sl No.	Particulars	No. of Installations
1	Number of live installations in FY-23	1890
2	Number of installations in FY-18	1527
3	Increase in number of installations	363
4	Increase in growth as per CAGR FY-18 to FY-23	4.36%
5	Number of installations in FY-20	1748
6	Increase in number of installations	142
7	Increase in growth as per CAGR FY-20 to FY-23	2.64%
8	Number of installations projected for FY-25	1991

HT-2 (b) Commercial:

Sl No.	Particulars	No. of Installations
1	Number of live installations in FY-23	684
2	Number of installations in FY-18	540
3	Increase in number of installations	144
4	Increase in growth as per CAGR FY-18 to FY-23	4.84%
5	Number of installations in FY-20	629
6	Increase in number of installations	55
7	Increase in growth as per CAGR FY-20 to FY-23	2.83%
8	Number of installations projected for FY-25	723



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HT-2 (c) Hospitals and Educational Institutions.

SI No.	Particulars	No. of Installations
1	Number of live installations in FY-23	396
2	Number of installations in FY-18	294
3	Increase in number of installations	102
4	Increase in growth as per CAGR FY-18 to FY-23	6.14%
5	Number of installations in FY-20	348
6	Increase in number of installations	48
7	Increase in growth as per CAGR FY-20 to FY-23	4.40%
8	Number of installations projected for FY-25	432

HT-3 Lift Irrigation Schemes & Lift Irrigation Societies:

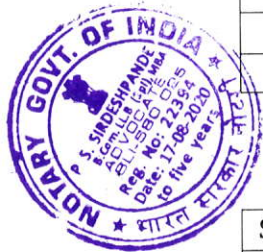
SI No.	Particulars	No. of Installations
1	Number of live installations in FY-23	346
2	Number of installations in FY-18	248
3	Increase in number of installations	98
4	Increase in growth as per CAGR FY-18 to FY-23	6.89%
5	Number of installations in FY-20	291
6	Increase in number of installations	55
7	Increase in growth as per CAGR FY-20 to FY-23	5.94%
8	Number of installations projected for FY-25	388

HT-4 Resident. Apartments/Colonies:

SI No.	Particulars	No. of Installations
1	Number of live installations in FY-23	28
2	Number of installations in FY-18	32
3	Increase in number of installations	(-)4
4	Increase in growth as per CAGR FY-18 to FY-23	(-)2.64%
5	Number of installations in FY-20	27
6	Increase in number of installations	1
7	Increase in growth as per CAGR FY-20 to FY-23	1.22 %
8	Number of installations projected for FY-25	29

HT- 5 Temporary Supply (above 67 HP):

SI No.	Particulars	No. of Installations
1	Number of live installations in FY-23	67
2	Number of installations in FY-18	38
3	Increase in number of installations	29
4	Increase in growth as per CAGR FY-18 to FY-23	12.01%
5	Number of installations in FY-20	46
6	Increase in number of installations	21
7	Increase in growth as per CAGR FY-20 to FY-23	13.35%
8	Number of installations projected for FY-25	84



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HT- 6 Irrigation & Agricultural Farms, Horticultural Farms, Plantations:

Sl No.	Particulars	No. of Installations
1	Number of live installations in FY-23	3
2	Number of installations in FY-18	2
3	Increase in number of installations	1
4	Increase in growth as per CAGR FY-18 to FY-23	8.45%
5	Number of installations in FY-20	2
6	Increase in number of installations	1
7	Increase in growth as per CAGR FY-20 to FY-23	14.47%
8	Number of installations projected for FY-25	4

Energy sales :

Energy sales to BJ KJ -LT-1 (Up to 40 Units):

Sl No.	Particulars	In MU
1	Energy sold in FY-23	141.82
2	Energy sold in FY-18	201.20
3	Increase in the Sales FY-18 to FY-23	(-) 59.39
4	Energy sold in FY-20	194.55
5	Increase in the Sales FY-20 to FY-23	(-) 52.73
6	Energy projected for FY-25	141.82

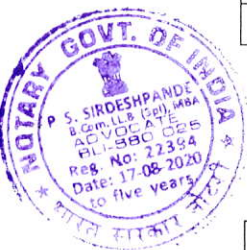
Energy sales to BJ KJ -LT-1 (Above 40 Units):

Sl No.	Particulars	In MU
1	Energy sold in FY-23	62.67
2	Energy sold in FY-18	44.28
3	Increase in the Sales FY-18 to FY-23	18.39
4	Energy sold in FY-20	50.23
5	Increase in the Sales FY-20 to FY-23	12.44
6	Energy projected for FY-25	62.67

Note: As there is no new scheme for BJ/KJ proposed by GOK, the growth is not projected.

Energy sales to IP Sets 10 HP & below -LT-4(a):

Sl No	Year	No. of IP Set installations less than 10 HP (LT4 (a))	Mid-year number of installations	Approved Specific consumption in units/installation/ annum In Tariff Order 2023	Projected sales in MU
1	FY 22-23	1007255			
2	FY 23-24	1032255	1019755	6814.33	6948.95
3	FY 24-25	1057255	1044755	6814.33	7119.31



Sl No.	Particulars	In MU
1	Energy sold in FY-23	6476.23
2	Energy sold in FY-18	6054.12
3	Increase in the Sales FY-18 to FY-23	422.12
4	Increase in growth as per CAGR FY-18 to FY-23	1.36%
5	Energy sold in FY-20	5985.90
6	Increase in the Sales FY-20 to FY-23	490.33
7	Increase in growth as per CAGR FY-20 to FY-23	2.66%
9	Energy projected for FY-25	7119.31

Actual Consumption for previous 5 years and projection for FY-24 and FY-25

Tariff	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
LT-4(a)	6726.87	5985.90	5938.82	6603.46	6476.23	6948.95	7119.31

Other than BJ KJ & IP Sets (10 HP & Below.)

LT-2a Domestic installations:

Sl No.	Particulars	In MU
1	Energy sold in FY-23	1665.16
2	Energy sold in FY-18	1412.32
3	Increase in the Sales FY-18 to FY-23	252.84
4	Increase in growth as per CAGR FY-18 to FY-23	3.35%
5	Energy sold in FY-20	1512.23
6	Increase in the Sales FY-20 to FY-23	152.93
7	Increase in growth as per CAGR FY-20 to FY-23	3.26%
8	Energy projected for FY-25	1775.61

Note: The estimates based on the lower of the CAGRs for the period FY 18 - FY 23 and FY 20 - FY 23 is considered for projection.

LT-2(b) Private & Professional Educational Institutions, Private Hospitals and Nursing

Homes:

Sl No.	Particulars	In MU
1	Energy sold in FY-23	24.59
2	Energy sold in FY-18	18.50
3	Increase in the Sales FY-18 to FY-23	6.09
4	Increase in growth as per CAGR FY-18 to FY-23	5.86%
5	Energy sold in FY-20	21.47
6	Increase in the Sales FY-20 to FY-23	3.12
7	Increase in growth as per CAGR FY-20 to FY-23	4.63%
8	Energy projected for FY-25	27.55

Note: Considering the present growth, the estimates based on the higher of the CAGRs for the period FY 18 - FY 23 and FY 20 - FY 23 is considered for projection.



LT-3 Commercial Installations including Permanent supply to Advertising Hoardings:

Sl No.	Particulars	In MU
1	Energy sold in FY-23	586.34
2	Energy sold in FY-18	447.96
3	Increase in the Sales FY-18 to FY-23	138.38
4	Increase in growth as per CAGR FY-18 to FY-23	5.53%
5	Energy sold in FY-20	493.14
6	Increase in the Sales FY-20 to FY-23	93.20
7	Increase in growth as per CAGR FY-20 to FY-23	5.94%
8	Energy projected for FY-25	658.07

Note: Considering the present growth, the estimates based on the higher of the CAGRs for the period FY 18 - FY 23 and FY 20 - FY 23 is considered for projection.

LT-4(b) IP Sets - Above 10 HP:

Sl No.	Particulars	In MU
1	Energy sold in FY-23	14.27
2	Energy sold in FY-18	17.43
3	Increase in the Sales FY-18 to FY-23	(-)3.17
4	Increase in growth as per CAGR FY-18 to FY-23	(-)3.93%
5	Energy sold in FY-20	15.62
6	Increase in the Sales FY-20 to FY-23	(-)1.36
7	Increase in growth as per CAGR FY-20 to FY-23	(-)2.98%
8	Energy projected for FY-25	15.03

Note: As the growth rate is negative as per CAGR FY-18 to FY-23 and also as per CAGR FY-20 to FY-23 specific consumption is considered for projection.

LT-4(c) IP Sets - Pvt Horticultural, Nurseries, Coffee, Tea & Rubber plantations :

Sl No.	Particulars	In MU
1	Energy sold in FY-23	1.01
2	Energy sold in FY-18	0.84
3	Increase in the Sales FY-18 to FY-23	0.17
4	Increase in growth as per CAGR FY-18 to FY-23	3.65%
5	Energy sold in FY-20	0.82
6	Increase in the Sales FY-20 to FY-23	0.19
7	Increase in growth as per CAGR FY-20 to FY-23	7.02%
8	Energy projected for FY-25	1.15

Note: Considering the present growth, the estimates based on the higher of the CAGRs for the period FY 18 - FY 23 and FY 20 - FY 23 is considered for projection.



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LT-5 LT Industries:

Sl No.	Particulars	In MU
1	Energy sold in FY-23	345.31
2	Energy sold in FY-18	320.43
3	Increase in the Sales FY-18 to FY-23	24.89
4	Increase in growth as per CAGR FY-18 to FY-23	1.51%
5	Energy sold in FY-20	324.29
6	Increase in the Sales FY-20 to FY-23	21.02
7	Increase in growth as per CAGR FY-20 to FY-23	2.12 %
8	Energy projected for FY-25	360.08

Note: Considering the present growth, the estimates based on the higher of the CAGRs for the period FY 18 - FY 23 and FY 20 - FY 23 is considered for projection.

LT-6 (a) Water Supply:

Sl No.	Particulars	In MU
1	Energy sold in FY-23	379.72
2	Energy sold in FY-18	277.19
3	Increase in the Sales FY-18 to FY-23	102.52
4	Increase in growth as per CAGR FY-18 to FY-23	6.50%
5	Energy sold in FY-20	328.33
6	Increase in the Sales FY-20 to FY-23	51.39
7	Increase in growth as per CAGR FY-20 to FY-23	4.97%
8	Energy projected for FY-25	418.37

Note: The estimates based on the lower of the CAGRs for the period FY 18 - FY 23 and for the period FY 20 - FY 23 is considered for projection.

LT-6 (b) Public Lighting:

Sl No.	Particulars	In MU
1	Energy sold in FY-23	170.08
2	Energy sold in FY-18	149.38
3	Increase in the Sales FY-18 to FY-23	20.70
4	Increase in growth as per CAGR FY-18 to FY-23	2.63%
5	Energy sold in FY-20	148.53
6	Increase in the Sales FY-20 to FY-23	21.54
7	Increase in growth as per CAGR FY-20 to FY-23	4.62%
8	Energy projected for FY-25	179.13

Note: The estimates based on the lower of the CAGRs for the period FY 18 - FY 23 and for the period FY 20 - FY 23 is considered for projection.



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LT-6 (c) Electric Vehicle Charging Station and Battery Swapping Stations

Sl No.	Particulars	In MU
1	Energy sold in FY-23	-
2	Energy sold in FY-18	-
3	Increase in the Sales FY-18 to FY-23	-
4	Increase in growth as per CAGR FY-18 to FY-23	-
5	Energy sold in FY-20	-
6	Increase in the Sales FY-20 to FY-23	-
7	Increase in growth as per CAGR FY-20 to FY-23	-
8	Energy projected for FY-25	0.06

5 Numbers of installations are serviced during FY 2022-23 and 20 Numbers of installations serviced during the period from Apr-23 to Sept-23. Considering the present trend specific consumption of FY-23 is considered for projection.

LT-7 Temporary Supply

Sl No.	Particulars	In MU
1	Energy sold in FY-23	39.63
2	Energy sold in FY-18	28.02
3	Increase in the Sales FY-18 to FY-23	11.61
4	Increase in growth as per CAGR FY-18 to FY-23	7.18%
5	Energy sold in FY-20	32.83
6	Increase in the Sales FY-20 to FY-23	6.80
7	Increase in growth as per CAGR FY-20 to FY-23	6.47%
8	Energy projected for FY-25	44.92

Note: The estimates based on the lower of the CAGRs for the period FY 18 - FY 23 and for the period FY 20 - FY 23 is considered for projection.



HT-1 Water Supply, Sewerage Installations:

Sl No.	Particulars	In MU
1	Energy sold in FY-23	360.35
2	Energy sold in FY-18	234.01
3	Increase in the Sales FY-18 to FY-23	126.34
4	Increase in growth as per CAGR FY-18 to FY-23	9.02%
5	Energy sold in FY-20	280.39
6	Increase in the Sales FY-20 to FY-23	79.96
7	Increase in growth as per CAGR FY-20 to FY-23	8.72%
8	Energy projected for FY-25	425.95

Note: The estimates based on the lower of the CAGRs for the period FY 18 - FY 23 and for the period FY 20 - FY 23 is considered for projection.

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HT-2 (a) Industrial:

Sl No.	Particulars	In MU
1	Energy sold in FY-23	1048.07
2	Energy sold in FY-18	873.26
3	Increase in the Sales FY-18 to FY-23	174.82
4	Increase in growth as per CAGR FY-18 to FY-23	3.72%
5	Energy sold in FY-20	941.30
6	Increase in the Sales FY-20 to FY-23	106.77
7	Increase in growth as per CAGR FY-20 to FY-23	3.65%
8	Energy projected for FY-25	1127.44

Note: Considering the present growth, the estimates based on the higher of the CAGRs for the period FY 18 - FY 23 and FY 20 - FY 23 is considered for projection.

HT-2 (b) Commercial:

Sl No.	Particulars	In MU
1	Energy sold in FY-23	138.96
2	Energy sold in FY-18	120.90
3	Increase in the Sales FY-18 to FY-23	18.06
4	Increase in growth as per CAGR FY-18 to FY-23	2.82%
5	Energy sold in FY-20	129.06
6	Increase in the Sales FY-20 to FY-23	9.91
7	Increase in growth as per CAGR FY-20 to FY-23	2.50%
8	Energy projected for FY-25	146.92

Note: Considering the present growth, the estimates based on the higher of the CAGRs for the period FY 18 - FY 23 and FY 20 - FY 23 is considered for projection.

HT-2 (c) Hospitals and Educational Institutions.

Sl No.	Particulars	In MU
1	Energy sold in FY-23	74.58
2	Energy sold in FY-18	74.14
3	Increase in the Sales FY-18 to FY-23	0.44
4	Increase in growth as per CAGR FY-18 to FY-23	0.12%
5	Energy sold in FY-20	73.00
6	Increase in the Sales FY-20 to FY-23	1.58
7	Increase in growth as per CAGR FY-20 to FY-23	0.72%
8	Energy projected for FY-25	81.54

Note: As the growth rate is very low as per CAGR FY-18 to FY-23 and also as per CAGR FY-20 to FY-23, compared to the present growth, specific consumption is considered for projection.



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HT-3 Lift Irrigation Schemes under Govt. Departments/Govt. owned Corporations/ Pvt.

Societies:

Sl No.	Particulars	In MU
1	Energy sold in FY-23	380.39
2	Energy sold in FY-18	255.82
3	Increase in the Sales FY-18 to FY-23	124.56
4	Increase in growth as per CAGR FY-18 to FY-23	8.26%
5	Energy sold in FY-20	282.46
6	Increase in the Sales FY-20 to FY-23	97.93
7	Increase in growth as per CAGR FY-20 to FY-23	10.43%
8	Energy projected for FY-25	445.79

Note: The estimates based on the lower of the CAGRs for the period FY 18 - FY 23 and for the period FY 20 - FY 23 is considered for projection.

HT-4 Resident. Apartments/Colonies:

Sl No.	Particulars	In MU
1	Energy sold in FY-23	16.99
2	Energy sold in FY-18	14.59
3	Increase in the Sales FY-18 to FY-23	2.40
4	Increase in growth as per CAGR FY-18 to FY-23	3.10%
5	Energy sold in FY-20	15.93
6	Increase in the Sales FY-20 to FY-23	1.06
7	Increase in growth as per CAGR FY-20 to FY-23	2.18%
8	Energy projected for FY-25	17.74

Note: The estimates based on the lower of the CAGRs for the period FY 18 - FY 23 and for the period FY 20 - FY 23 is considered for projection.

HT- 5 Temporary Supply (above 67 HP):

Sl No.	Particulars	In MU
1	Energy sold in FY-23	31.54
2	Energy sold in FY-18	13.04
3	Increase in the Sales FY-18 to FY-23	18.50
4	Increase in growth as per CAGR FY-18 to FY-23	19.32%
5	Energy sold in FY-20	7.68
6	Increase in the Sales FY-20 to FY-23	23.85
7	Increase in growth as per CAGR FY-20 to FY-23	60.10%
8	Energy projected for FY-25	44.90

Note: The estimates based on the lower of the CAGRs for the period FY 18 - FY 23 and for the period FY 20 - FY 23 is considered for projection.


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HT- 6 Irrigation & Agricultural Farms, Horticultural Farms, Plantations:

SI No.	Particulars	In MU
1	Energy sold in FY-23	0.04
2	Energy sold in FY-18	0.05
3	Increase in the Sales FY-18 to FY-23	(-)0.01
4	Increase in growth as per CAGR FY-18 to FY-23	(-)0.89%
5	Energy sold in FY-20	0.05
6	Increase in the Sales FY-20 to FY-23	(-)0.01
7	Increase in growth as per CAGR FY-20 to FY-23	(-)3.41%
8	Energy projected for FY-25	0.07

Note: As the growth rate is negative as per CAGR FY-18 to FY-23 and also as per CAGR FY-20 to FY-23, compared to the present growth, specific consumption is considered for projection.



Projection of number of installations for FY-25

Tariff	FY-18 No. of live installations	FY-20 No. of live installations	FY-23 No. of live installations	5 yr CAGR in %	3 yr CAGR in %	FY-25		HESCOM Projection FY-25
						5 Yrs CAGR Projection	3 Yrs CAGR Projection	
LT1 - 18 / 40 units	699135	676045	617028	-2.47	-3.00	617028	617028	617028
LT1 above 18/40 units	38817	41896	52403	6.19	7.74	52403	52403	52403
BJ KJ	737952	717941	669431			669431	669431	669431
LT-2a Urban	1200990	1302415	1460171			1583453	1555719	1555719
LT-2a Rural	1171638	1339642	1445413			1567449	1539996	1539996
LT-2a	2372628	2642057	2905584	4.14	3.22	3150902	3095715	3095715
LT-2(b) Urban	3974	4188	4570			4825	4768	4768
LT-2(b) Rural	2084	2323	2368			2500	2470	2470
LT-2(b)	6058	6511	6938	2.75	2.14	7325	7238	7238
LT-3 Urban	226279	246708	278905			302862	302894	302862
LT-3 Rural	98717	105996	120385			130726	130740	130726
LT-7(b)/ LT-3(b)	193	360	292			317	317	317
LT-3	325189	353064	399582	4.21	4.21	433905	433952	433905
LT-4(a)	684375	941725	1007255	8.04	2.27	1175649	1053456	1057255
LT - 4b	615	573	548	-2.28	-1.48	523	532	577
LT- 4c	335	401	464	6.73	4.98	529	510	510
LT-5	99124	100505	103083	0.79	0.85	104711	104838	104711
LT-6(a)	39606	45073	46737	3.37	1.22	49937	47880	47880
LT-6(b)	22303	24046	29178	5.52	6.66	32489	33194	32489
LT-6(c)	0	0	5					60
LT-7(a)/LT-7	36692	48817	66326	12.57	10.76	84048	81363	81363
LT Total	4324877	4880713	5235131	3.89	2.36	5709554	5528113	5531134
HT-1	308	372	421	6.45	4.21	477	457	457
HT-2(a)	1527	1748	1890	4.36	2.64	2058	1991	1991
HT - 2(b)	540	629	684	4.84	2.83	752	723	723
HT-2 (C)(i)	187	221	262			295	286	286
HT-2 (C)(ii)	107	127	134			151	146	146
HT-2 (C)	294	348	396	6.14	4.40	446	432	432
HT- 3(a)(i)	120	147	207			236	232	232

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HT - 3 (a)(ii)	120	134	129			147	145	145
HT - 3 (a)(iii)	8	10	10			11	11	11
HT - 3 (a) / HT-3	248	291	346	6.89	5.94	395	388	388
HT-3(b) / HT-6	2	2	3	8.45	14.47	4	4	4
HT-4	32	27	28	-2.64	1.22	27	29	29
HT-5	38	46	67	12.01	13.35	84	86	84
HT	2989	3463	3835	5.11	3.46	4243	4110	4108
LT+HT	4327866	4884176	5238966	3.89	2.36	5713797	5532223	5535242

Projection of Energy sales of HESCOM for FY-25

Tariff	FY-18	FY-20	FY-23	5 yr CAGR in %	3 yr CAGR in %	FY-25		Approved by KERC in MYT Order dtd. 04.04.2022	HESCOM Projection FY-25
						5 Yrs CAGR Projection	3 Yrs CAGR Projection		
LT1 - 18/40 units	201.20	194.55	141.82	-6.76	-10.00	141.82	141.82	186.56	141.82
LT1 above 18/40 units	44.28	50.23	62.67	7.19	7.66	62.67	62.67	50.13	62.67
BJ KJ TOTAL	245.48	244.78	204.49			204.49	204.49	236.69	204.49
LT-2 (a) Urban	966.06	1,011.22	1,109.81	3.35	3.26	1185.38	1183.42	1918.47	1183.42
LT-2 (a) Rural	446.27	501.02	555.35			593.17	592.19		592.19
LT-2a TOTAL	1412.32	1512.23	1665.16			1778.56	1775.61		1775.61
LT-2(b) Urban	14.61	16.56	18.55	5.86	4.63	20.78	20.30	52.98	20.78
LT-2(b) Rural	3.88	4.90	6.04			6.77	6.62		6.77
LT-2(b)	18.50	21.47	24.59			27.55	26.92		27.55
LT-3 Urban	318.33	340.33	400.98	5.53	5.94	446.57	450.03	762.26	450.03
LT-3 Rural	129.40	152.56	185.07			206.11	207.71		207.71
LT-3(b)	0.23	0.25	0.29			0.32	0.33		0.33
LT-3	447.96	493.14	586.34			653.00	658.07		658.07
LT-4(a)	6,054.12	5,985.90	6,476.23	1.36	2.66	6653.21	6825.23	6523.04	7119.31
LT - 4b	17.43	15.62	14.27	-3.93	-2.98	13.17	13.43	19.24	15.03
LT- 4c	0.84	0.82	1.01	3.65	7.02	1.08	1.15	1.34	1.15
LT-5	320.43	324.29	345.31	1.51	2.12	355.80	360.08	327.00	360.08
LT-6(a)	277.19	328.33	379.72	6.50	4.97	430.65	418.37	447.26	418.37
LT-6(b)	149.38	148.53	170.08	2.63	4.62	179.13	186.15	158.18	179.13
LT-6(c)			0.00						0.06
LT-7	28.02	32.83	39.63	7.18	6.47	45.52	44.92	37.06	44.92
LT Total	8971.68	9107.94	9906.82	2.00	2.84	10342.18	10514.42	10483.52	10803.78
HT-1	234.01	280.39	360.35	9.02	8.72	428.28	425.95	502.00	425.95
HT-2(a)	873.26	941.30	1,048.07	3.72	3.65	1127.44	1125.90	1363.12	1127.44
HT - 2(b)	120.90	129.06	138.96	2.82	2.50	146.92	145.99	119.07	146.92
HT-2 (C)(i)	53.45	48.54	49.97	0.12	0.72	50.09	50.69	95.81	55.08
HT-2 (C)(ii)	20.69	24.46	24.61			24.67	24.97	24.66	
HT-2 (C)	74.14	73.00	74.58			74.76	75.65	81.55	
HT - 3 (a)(i)	171.09	187.55	256.87	8.26	10.43	301.04	313.26	495.83	301.04
HT - 3 (a)(ii)	81.65	94.18	123.29			144.49	136.15	144.49	
HT - 3 (a)(iii)	3.09	0.73	0.22			0.26	0.25	0.26	
HT - 3 (a) / HT - 3	255.82	282.46	380.39			445.79	449.66	445.80	



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HT-3(b) / HT - 6	0.05	0.05	0.04	-0.89	-3.41	0.04	0.04		0.05
HT-4	14.59	15.93	16.99	3.10	2.18	18.06	17.74	19.50	17.74
HT-5	13.04	7.68	31.54	19.32	60.10	44.90	80.84	35.67	44.90
HT	1585.80	1729.87	2050.93	5.28	5.84	2286.19	2321.76	2631.00	2290.34
LT+HT	10557.48	10837.82	11957.74	2.52	3.33	12628.37	12836.19	13114.52	13094.13
							Additional sales	18.15	-
								13132.68	13094.13
Approved Distribution Loss									12.25%
Energy at Interface Point (Mus)									14922.08
Approved Transmission Loss									2.664%
Energy at Generation Point (Mus)(HESCOM)									15330.49

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



ATTESTED

NOTARY