

## **Energy/Sales Forecast for FY25**

5.1 In the Tariff Order-2022, Hon'ble Commission has approved the category wise energy sales and number of installations for 06<sup>th</sup> control period i.e., for FY23, FY24 and FY25 based on mixed CAGR method. However, as the factors affecting the actual consumption are numerous and often beyond the control of the licensee, it needs to revise the projections considering the actuals of the immediately preceding year. Accordingly, the projections in respect of installations and energy sales are revised for FY25. Further, since the figures of FY24 is linearly dependent for the projections of FY25, the approved projections of installations & energy sales for FY24 are also revised and compared.

The inputs considered for the estimations / projections are detailed in the following paragraphs.

# 5.2 Methodology adopted for projection of number of installations for FY 25:

(i) Trend method has been considered for projection of number of installations in respect of the following tariff categories.

First, Trend method has been applied for estimating the number of installations for FY23 duly considering the growth trend during the period from FY21 to FY23. This has been extended to project the number of installations for FY25 duly considering the actuals of FY22 & FY23 and estimations of FY24.

IT 20 (i)	Domestic: Applicable to areas coming under City Municipal				
LT-2a- (i)	Corporations and all areas under Urban Local Bodies				
LT-2a- (ii)	Domestic: Applicable to areas coming under Village Panchayats				
LT-2b	Educational Institutions & Hospitals: Applicable to areas coming				
	under City Municipal Corporations and all areas under Urban				
	Local Bodies.				
LT-3(a)	Commercial: Applicable to areas coming under City Municipal				
	Corporations and all areas under Urban Local Bodies and Village				
	Panchayats				
LT-3(b)	Commercial: Applicable to Hoardings & Advertisements on				
	permanent connection basis				
LT-4a	Irrigation Pump Sets: Up to and inclusive of 10 HP.				
LT-4b	Irrigation Pump Sets: above 10 HP.				
LT-4c	Irrigation Pump Sets: Applicable to Private Horticultural				
	Nurseries, Coffee, Tea and Rubber Plantations.				
LT-5a(i)	Industrial: Applicable to Areas under City Municipal Corporation :				
	Upto 5 HP & below.				



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LT-5a(ii)	Industrial: Applicable to Areas under City Municipal Corporation :
	Above 5 HP & below 40 HP.
LT-5a(iii)	Industrial: Applicable to Areas under City Municipal Corporation :
	40 HP & above but below 67 HP.
LT-5a(iv)	Industrial: Applicable to Areas under City Municipal Corporation :
	67 HP & above but below 100 HP.
LT-5a(v)	Industrial: Applicable to Areas under City Municipal Corporation:
	100 HP & above.
LT-5b(i)	Industrial: Applicable to all areas other than those covered under
	LT-5(a): Upto 5 HP & below.
LT-5b(ii)	Industrial: Applicable to all areas other than those covered under
	LT-5(a) : Above 5 HP & below 40 HP.
LT-5b(iii)	Industrial: Applicable to all areas other than those covered under
	LT-5(a): 40 HP & above but below 67 HP.
LT-6a	Water Supply
LT-6b	Public Lighting
HT-1	Water Supply, drainage / sewerage water treatment plants, etc.
HT-2a	Industrial
HT-2b	Commercial
HT-2c	Educational Institutions and Hospitals
HT-4	Residential Apartments and colonies.

(ii) In respect of the following tariff categories, the number of installations exist at the end of March-2023 has been retained for FY25 since in past three years either there is reduction in numbers or having no growth rate.

LT-1a Bhagyajyothi / Kutirjyothi: upto 40 units consumption LT-1a Bhagyajyothi / Kutirjyothi: Above 40 units consumption LT-2b(ii) Educational Institutions & Hospitals: Applicable to areas under Village Panchayats.  LT-4b Irrigation Pump Sets: Above 10 HP. LT-5a(v) Industrial: Applicable to Areas under City Municipal Corporation: 100 HP & above.  LT-5b(iv) Industrial: Applicable to all areas other than those covered under LT-5(a): 67 HP & above but below 100 HP.  LT-5b(v) Industrial: Applicable to all areas other than those covered under LT-5(a): 100 HP & above.  LT-7a Applicable to Temporary Power Supply for all purposes.  LT-7b/ (now LT-3b) Applicable to Hoardings and Advertisement boards etc., on permanent Power Supply.  HT-3 Lift Irrigation  HT-5 Temporary Power Supply  MSEZ Mangalore Special Economic Zone						
LT-2b(ii) Educational Institutions & Hospitals: Applicable to areas under Village Panchayats.  LT-4b Irrigation Pump Sets: Above 10 HP.  LT-5a(v) Industrial: Applicable to Areas under City Municipal Corporation: 100 HP & above.  LT-5b(iv) Industrial: Applicable to all areas other than those covered under LT-5(a): 67 HP & above but below 100 HP.  LT-5b(v) Industrial: Applicable to all areas other than those covered under LT-5(a): 100 HP & above.  LT-7a Applicable to Temporary Power Supply for all purposes.  LT-7b/ (now LT-3b)  HT-3 Lift Irrigation  HT-5 Temporary Power Supply	LT-1a	Bhagyajyothi / Kutirjyothi: upto 40 units consumption				
Uillage Panchayats.  LT-4b Irrigation Pump Sets: Above 10 HP.  LT-5a(v) Industrial: Applicable to Areas under City Municipal Corporation: 100 HP & above.  LT-5b(iv) Industrial: Applicable to all areas other than those covered under LT-5(a): 67 HP & above but below 100 HP.  LT-5b(v) Industrial: Applicable to all areas other than those covered under LT-5(a): 100 HP & above.  LT-7a Applicable to Temporary Power Supply for all purposes.  LT-7b/ (now LT-3b) Applicable to Hoardings and Advertisement boards etc., on permanent Power Supply.  HT-3 Lift Irrigation  HT-5 Temporary Power Supply	LT-1a	Bhagyajyothi / Kutirjyothi: Above 40 units consumption				
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LT-5a(v) Industrial: Applicable to Areas under City Municipal Corporation: 100 HP & above.  LT-5b(iv) Industrial: Applicable to all areas other than those covered under LT-5(a): 67 HP & above but below 100 HP.  LT-5b(v) Industrial: Applicable to all areas other than those covered under LT-5(a): 100 HP & above.  LT-7a Applicable to Temporary Power Supply for all purposes.  LT-7b/ (now LT- 3b) HT-3 Lift Irrigation HT-5 Temporary Power Supply		Village Panchayats.				
LT-5b(iv) Industrial: Applicable to all areas other than those covered under LT-5(a): 67 HP & above but below 100 HP.  LT-5b(v) Industrial: Applicable to all areas other than those covered under LT-5(a): 100 HP & above.  LT-7a Applicable to Temporary Power Supply for all purposes.  LT-7b/ (now LT-3b)  (now LT-3b)  HT-3 Lift Irrigation  HT-5 Temporary Power Supply	LT-4b	Irrigation Pump Sets: Above 10 HP.				
LT-5b(iv) Industrial: Applicable to all areas other than those covered under LT-5(a): 67 HP & above but below 100 HP.  LT-5b(v) Industrial: Applicable to all areas other than those covered under LT-5(a): 100 HP & above.  LT-7a Applicable to Temporary Power Supply for all purposes.  LT-7b/ (now LT-3b)  HT-3 Lift Irrigation  HT-5 Temporary Power Supply	LT-5a(v)	Industrial: Applicable to Areas under City Municipal Corporation:				
LT-5(a): 67 HP & above but below 100 HP.  LT-5b(v) Industrial: Applicable to all areas other than those covered under LT-5(a): 100 HP & above.  LT-7a Applicable to Temporary Power Supply for all purposes.  LT-7b/ (now LT-3b)  HT-3 Lift Irrigation  HT-5 Temporary Power Supply		100 HP & above.				
LT-5b(v) Industrial: Applicable to all areas other than those covered under LT-5(a): 100 HP & above.  LT-7a Applicable to Temporary Power Supply for all purposes.  LT-7b/ (now LT-3b) HT-3 Lift Irrigation HT-5 Temporary Power Supply	LT-5b(iv)	Industrial: Applicable to all areas other than those covered under				
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LT-7b/ (now LT-3b) HT-3 Lift Irrigation HT-5 Temporary Power Supply		LT-5(a) : 100 HP & above.				
(now LT- 3b) permanent Power Supply.  HT-3 Lift Irrigation  HT-5 Temporary Power Supply	LT-7a	Applicable to Temporary Power Supply for all purposes.				
3b ) HT-3 Lift Irrigation HT-5 Temporary Power Supply	LT-7b/	Applicable to Hoardings and Advertisement boards etc., on				
HT-3 Lift Irrigation HT-5 Temporary Power Supply		permanent Power Supply.				
HT-5 Temporary Power Supply						
	HT-3	Lift Irrigation				
MSEZ Mangalore Special Economic Zone	HT-5	Temporary Power Supply				
<u> </u>	MSEZ	Mangalore Special Economic Zone				



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#### Comparison of number of installations, FY20 (Actual), FY21 (Actual), FY22 (Actual), 5.3 FY23 (Actual), FY24 (Approved in TO-2023), FY24 (RE) and FY25 (Projections).

<u>1</u>	2	3	4 Ev22	5 EV 22 (A-1	6
Category	FY20	FY21	FY22	FY 23 (Apl	FY23
V. T. 4. 4.0VV	(Actual)	(Actual)	(Actual)	inTO-2022)	(Actual)
LT-1<40U	1,69,140	1,61,434	1,56,857	1,52,052	1,52,9
LT-1>40U	15,103	17,784	18,084	24,540	16,8
Subtotal:	1,84,243	1,79,218	1,74,941	1,76,592	1,69,8
LT-2a(i)	6,36,944	6,59,391	6,89,874	17,08,608	7,12,2
LT-2a(ii)	9,55,341	9,67,345	9,73,065		9,96,7
Subtotal:	15,92,285	16,26,736	16,62,939	17,08,608	17,08,9
LT-2b(i)	1,730	1,778	1,852	3,746	1,8
LT-2b(ii)	1,860	1,862	1,817	0 = 4 (	1,8
Subtotal:	3,590	3,640	3,669	3,746	3,7
LT-3(i)	1,29,380	1,34,049	1,40,533	2,44,476	1,45,3
LT-3(ii)	91,037	94,175	95,390		99,0
Subtotal:	2,20,417	2,28,224	2,35,923	2,44,476	2,44,4
LT-4a	3,44,482	3,61,885	3,78,493	3,96,,885	3,92,
LT-4b	165	161	141	161	
LT-4c	4,713	4,878	5,224	5,655	5,
LT-5a(i)	1,448	1,407	1,570		1,0
LT-5a(ii)	3,278	3,222	3,440		3,
LT-5a(iii)	581	584	617		j
LT-5a(iv)	46	45	47		
LT-5a(v)	_	-	1	36,602	mile and the second second second second
LT-5b(i)	13,306	14,303	15,645	30,002	17,
LT-5b(ii)	12,245	12,708	12,476		12,
LT-5b(iii)	1,336	1,434	1,434		1,
LT-5b(iv)	71	66	69		5
LT-5b(v)		-	13		
Subtotal:	32,311	33,769	35,312	36,602	37,0
LT-6a	16,005	16,838	17,551	18,550	18,
LT-6b	24,668	26,574	28,156	30,556	29,
LT-7a	16,917	19,828	18,686		21,
LT-7b (now				20,572	
LT-3b)	721	744	767		
Subtotal:	17,638	20,572	19,453	20,572	22,
LT-Total	24,40,517	25,02,495	25,61,802	26,42,403	26,32,
HT-1	112	121	127	136	9
HT-2a	950	993	1,022	1.103	1,
HT-2b	789	806	833	900	
HT-2c	303	323	336	355	
HT-3a	30	31	35	41	
HT-3b	3	3	3	41	
Subtotal:	33	34	38	41	
HT-4	60	67	69	75	
HT-5	16	19	14	19	
MSEZ	1	1	1	1	
HT Total	2,264	2,364	2,440	2630	2.
G. TOTAL:	24,42,781	25,04,859	25,64,242	26.45.033	26,35,0



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Category	Trend / Others	FY24	FY24	FY25	FY25
		(Apd in	(RE)	(Apd in TO22)	(Prj)
		T023)		49.4-00 Abrilland	
LT-1<40U	FY23 retained	1,41,171	1,52,951	1,52,052	1,52,951
LT-1>40U	FY23 retained	18,084	16,895	24,540	16,895
Subtotal:		1,74,941	1,69,846	1,76,592	1,69,846
LT-2a(i)	Trend FY21-FY23	17,39,516	7,40,027	18,11,248	7,64,202
LT-2a(ii)	Trend FY21-FY23	17,39,310	10,08,453		10,23,154
Subtotal:		17,39,516	17,48,480	18,11,248	17,87,356
LT-2b(i)	Trend FY21-FY23	3,794	1,952	3,781	2,008
LT-2b(ii)	FY23 retained	3,794	1,846	3,701	1,846
Subtotal:		3,794	3,798	3,781	3,854
LT-3(i)	Trend FY21-FY23	2,52,378	1,51,313	2,62,936	1,56,977
LT-3(ii)	Trend FY21-FY23	2,32,370	1,01,107	2,02,930	1,03,555
Subtotal:		2,52,378	2,52,420	2,62,936	2,60,532
LT-4a	Trend FY21-FY23	4,15,739	4,08,273	4,31,885	4,23,593
LT-4b	FY23 retained	143	136	161	136
LT-4c	Trend FY21-FY23	5,803	5,775	6,494	6,068
LT-5a(i)	Trend FY21-FY23		1,785		1,907
LT-5a(ii)	Trend FY21-FY23		3,747		3,917
LT-5a(iii)	Trend FY21-FY23		663		689
LT-5a(iv)	Trend FY21-FY23		51		53
LT-5a(v)	Trend FY21-FY23	20.156	1	39,531	1
LT-5b(i)	Trend FY21-FY23	38,156	18,489	39,331	19,891
LT-5b(ii)	Trend FY21-FY23		12,381		12,288
LT-5b(iii)	Trend FY21-FY23		1,386		1,368
LT-5b(iv)	FY23 retained		105		105
LT-5b(v)	FY23 retained		38		38
Subtotal:		38,156	38,646	39,531	40,257
LT-6a	Trend FY21-FY23	18,927	18,801	20,169	19,448
LT-6b	Trend FY21-FY23	31,655	30,857	35,913	32,266
LT-7a	Trend FY21-FY23		21,944		21,944
LT-7b(now	EV22t-i J	19,453		20,572	
LT3b)	FY23 retained		873		873
Subtotal:		19,453	22,817	20,572	22,817
LT-Total		26,96,674	26,99,849	28,09,365	27,66,173
HT-1	Trend FY21-FY23	142	136	154	141
HT-2a	Trend FY21-FY23	1,098	1,075	1,250	1,102
HT-2b	Trend FY21-FY23	889	888	1,028	916
HT-2c	Trend FY21-FY23	365	358	394	370
НТ-За	FY23 retained	51	55	48	55
HT-3b	FY23 retained	51	3	48	3
Subtotal:		51	58	48	58
HT-4	Trend FY21-FY23	77	74	86	77
HT-5	FY23 retained	14	23	19	23
MSEZ	FY23 retained		1		1
HT-Total		2,636	2,613	2979	2,688
G. TOTAL:		26,99,310	27,02,462	28,12,344	27,68,861



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## 5.4 Methodology adopted for energy projection for FY25:

- (i) 5 year CAGR of the period FY18 to FY23 has been considered for energy projection.
- (ii) CAGR has been applied for actual sales of FY23 to project the energy sales for FY24 and FY25. Hon'ble Commission has already approved energy sales for FY24 in the Tariff Order-2022. Hence, the revised energy projected here has been compared with the approved energy sales for FY24.
- (iii) Further, some of the tariff categories are indicating either negative or abnormal CAGR. Such of the negative / abnormal CAGR has been ignored and the actual energy sales of FY23 has been retained for FY24(RE) and FY25.
- (iv) Energy sales in respect of LT-4a (IP sets 10 HP & below) has been projected with reference to the specific consumption of FY23 and projected number of installations for FY25.
- (v) In respect of temporary power supply category under HT, the actual energy sales of FY23 have been retained.

5.5 Comparison of energy sales; FY20 (Actual), FY21 (Actual), FY22 (Actual), FY24 (Approved in TO-2023), FY24 (RE) and FY25 (Projections).

1	2	3	4	5	6
Category	FY20	FY21	FY22	FY23	FY23
	(Actual)(MU)	(Actual)(MU)	(Actual)(MU)	(Apd. inTO 2022)	(Actual)
LT-1<40U	34.65	35.00	35.28	32.97	33.46
LT-1>40U	14.91	18.91	17.99	23.08	16.97
Subtotal:	49.56	53.91	53.27	56.05	50.43
LT-2a(i)	776.91	802.76	831.51	1651.39	859.57
LT-2a(ii)	687.80	727.01	729.48		739.84
Subtotal:	1464.71	1529.77	1560.99	1651.39	1599.41
LT-2b(i)	8.74	4.65	6.42	8.28	9.56
LT-2b(ii)	6.12	3.41	4.70		7.22
Subtotal:	14.86	8.06	11.12	8.28	16.78
LT-3(i)	256.03	216.39	240.70	374.90	288.01
LT-3(ii)	137.80	133.59	141.33		157.07
Subtotal:	393.83	349.98	382.03	374.90	445.08
LT-4a	1,728.92	1,685.26	1,492.01	1712.39	1643.06
(Sp.Consump.)	(5156 unit)	(4772 unit)	(4030 unit)	1/12.39	(4185 unit)
LT-4b	0.88	0.89	0.64	0.89	0.63
LT-4c	8.08	8.70	6.75	10.09	6.60
LT-5a(i)	1.78	1.30	1.45		1.81
LT-5a(ii)	17.15	13.09	13.97		15.80
LT-5a(iii)	22.92	20.37	23.45		26.06
LT-5a(iv)	3.73	3.00	2.86		3.87
LT-5a(v)	-	-	0.01	129.57	
LT-5b(i)	10.08	9.71	10.74	129.57	11.51
LT-5b(ii)	36.10	35.02	36.28		39.03
LT-5b(iii)	39.91	37.53	41.38		42.83
LT-5b(iv)	5.22	3.72	4.16		7.00
LT-5b(v)	-	=	0.30		3.75
Subtotal:	136.89	123.74	134.60	129.57	151.66



A. I. Kareem REGD, No. 6354 D. K. Dist (KARNATAKA)

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LT-6a	131.97	144.80	151.62	159.82	160.22
LT-6b	66.47	66.79	69.92	76.80	66.92
LT-7a	19.29	17.91	21.48	18.32	24.74
LT-7b	0.72	0.41	0.42	10.52	0.53
Subtotal:	20.01	18.32	21.90	18.32	25.27
LT-Total	4016.18	3990.22	3884.85	4198.51	4166.06
HT-1	95.71	100.79	107.74	109.62	109.81
HT-2a	635.21	550.55	711.32	595.83	847.25
HT-2b	205.72	140.43	166.84	173.95	211.02
HT-2c	139.87	89.80	106.61	114.84	142.49
HT-3a	69.49	95.39	90.68	137.59	19.54
HT-3b	0.19	0.20	0.10	137.39	0.12
Subtotal:	69.68	95.59	90.78	137.59	19.66
HT-4	21.79	20.74	22.87	23.34	24.53
HT-5	3.40	2.29	2.75	2.29	3.25
MSEZ	56.88	60.98	67.95	44.18	67.35
Addl. Sales	_	-	-	25.00	1-
HT-Total	1228.26	1061.17	1276.86	5425.15	5591.46
KPCL/Aux	2.74	6.57	6.81	6.57	6.90
G. TOTAL:	5247.18	5057.96	5168.52	5431.72	5598.36

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Category	CAGR / Others	FY24 (MU) (Apd in TO 23)	FY24 (RE)(MU)	FY25 (MU) (Apd in TO 22)	FY25 (RE)(MU)
LT-1<40U	-0.44%	33.55	33.46	32.97	33.46
LT-1>40U	6.14%	20.59	16.97	23.08	16.97
Subtotal:	5.70%	54.14	50.43	56.05	50.43
LT-2a(i)	3.97%	1698.67	893.71	1782.78	929.20
LT-2a(ii)	3.23%	763.71		1702.70	788.35
Subtotal:	7.20%	1698.67			1717.55
LT-2b(i)	2.82%	11.50	9.83	8.56	9.83
LT-2b(ii)	5.79%		7.22	0.30	7.22
Subtotal:	8.61%	11.50	17.05	8.56	17.05
LT-3(i)	3.68%	398.74	298.60	380.98	309.58
LT-3(ii)	5.15%	390.74	157.07	300.90	165.15
Subtotal:	8.83%	398.74	455.67	380.98	474.73
LT-4a	4262	1634.91	1740.06	1866.80	1805.35
Sp. Consump.)	4202	1034.91			
LT-4b	-7.49%	0.66	0.63	0.89	0.63
LT-4c	-3.56%	7.50	6.60	11.58	6.60
LT-5a(i)	3.69%		1.81		1.81
LT-5a(ii)	0.40%		15.86		15.86
LT-5a(iii)	1.48%		26.45		26.84
LT-5a(iv)	-5.55%		3.87		3.87
LT-5a(v)	FY23				
	retained	152.54	0.01	130.87	0.01
LT-5b(i)	4.81%	132.31	12.06		12.64
LT-5b(ii)	2.10%		39.85		40.69
LT-5b(iii)	1.55%		43.50		44.18
T-5b(iv)	1.15%		7.08		7.08
LT-5b(v)	FY23 retained		3.75		3.75
Subtotal:	-1.42%	152.54	154.24	130.87	156.73

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LT-6a	6.16%	168.47	160.22	177.16	160.22
LT-6b	-0.33%	66.18	66.92	93.94	66.92
LT-7a	3.92%	21.00	25.71	10.22	26.72
LT-7b	3.92%	21.90	0.55	18.32	0.57
Subtotal:	13.67%	21.90	26.26	18.32	27.29
LT-Total	1.98%	4215.20	4335.50	4527.94	4483.50
HT-1	3.93%	114.91	114.13	117.34	118.62
HT-2a	7.26%	775.59	847.25	601.81	847.25
HT-2b	1.78%	172.48	214.78	175.69	218.61
HT-2c	0.78%	124.40	142.49	114.84	42.49
НТ-3а	-3.53%	104.46	19.54	212 52	19.54
HT-3b	-11.42%	104.46	0.12	213.53	0.12
Subtotal:	1.20%	104.46	19.66	213.53	19.66
HT-4	5.13%	24.99	24.53	24.46	24.53
HT-5	FY23 retained	2.75	3.29	2.29	3.29
MSEZ	FY23 retained	46.58	67.35	48.91	67.35
HT-Total		1366.16	1433.48	1299.08	1441.80
Addl. Sales	- 8		- 1		
KPCL/Aux	FY23 retained	6.81	6.90	6.57	6.90
G. TOTAL:		5588.17	5775.88	5863.83	5932.20

## 5.6 Further revision of IP consumption (below 10 HP) for FY 2024:

1. The projected energy for LT-4(a) submitted as above is based on its specific consumption. However, due to unexpected draught being faced during FY24, the energy consumption expected for the year under LT-4(a) is revised to 2434.73 MU, with a resulting total sale of 6463.65 MU.

#### 2. Major reason for increased IP consumption:

It can be observed from the past three years' data submitted in the table below that, the approved number of installations and energy consumption under IP (up to 10 HP) is more realistic and nearer to the actuals.

	Appvd. in Ta	riff Order	Actuals		% att	ained
Year	Installatio ns (No.)	Energy (MU)	Installatio ns (No.)	Energy (MU)	Installati ons	Energy
FY 2021	361245	1690.41	361885	1685.25	100%	100%
FY 2022	374482	1892.09	378493	1492.01	101%	79%
FY 2023	396885	1712.39	392524	1643.06	99%	96%
FY 2024	415739	1634.91	_	-	-	-

3. During the previous year, there was continuous rain fall throughout the year and there was no abnormal increase in IP consumption. However, due to the unexpected draught faced from the month of June-23, the IP consumption has increased drastically in the first half of the year itself. Hence the energy consumption under IP category is expected to increase beyond the approved energy of the year.



Superint Thing Engineer (Ele.) Commercial MESCOM, Corporate Office
Mangaluru - 575 004



4. Hence, the projected IP consumption and subsidy requirement for FY 2023-24 is revised as shown in the table below;

Consump tion Appvd. in TO 2023 (MU)	Subsidy Appvd. In T.O. 2023 (Rs in Crs)	Consumpti on recorded from Apr- 23 to Sept 23 (MU)	Consumpti on recorded from Oct- 22 to Mar- 23 (MU)	Consumption Projected from Oct-23to Mar- 24 (MU) (950 MU *120%)	Revised Consump tion projecte d For FY 2023-24 (MU)	Revised subsidy projected (Rs in Crs) @ Rs 6.67/ unit
1	2	3	4	5	6=3+5	7
1634.91	1090.20	1292.63	952.75	1142.10	2434.73	1623.96

- 5. As such the specific consumption of IP set (below10 HP) projected for FY 24 will be 5963 units (2434.73 MU/408273 Installation).
- 6. Since the IP consumers below 10 HP are subsidized by GoK, the revised subsidy request proposal has also been submitted to the energy department vide Letter No. ಮೆಸ್ಕಾಂ/ವ್ಯನಿ/ಹಿಆಕಾ/ಮುಆಅ/2023-/146 ದಿನಾಂಕ 26.10.2023 by considering the approved unit rate of Rs.6.67.
- 7. MESCOM has also submitted the request before the Hon'ble Commission vide Letter No. మేన్కాం/అ.ఇం(చి)(వాణిజ్మ)/ని.వ్మ./23-24/2788-790/ దీనాంక 03.11.2023.
- 8. The energy department in the Letter No. ಎನರ್ಜಿ/437/ಪಿ.ಎಸ್.ಆರ್./2023 ದಿನಾಂಕ 27.10.2023 has directed to file the petition before the Hon'ble Commission for approval of revised estimates and to submit the approved proposal directly to the finance department.
- 9. In view of above, the Hon'ble Commission is requested to approve the revised energy consumption (below 10 HP) for FY 2024 and revised subsidy requirement of MESCOM as estimated above.

#### 5.7 ENERGY AT INTERFACE POINT AND GENERATION POINT:

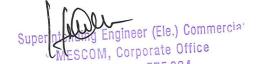
The energy requirement at generation point is arrived at based on the approved transmission & distribution loss.

In the Tariff Order 2022, Hon'ble Commission has approved the KPTCL Transmission loss for FY25 as 2.664% and Distribution loss as 8.60%.

Accordingly, the projected energy at Interface Point and Generation Point for FY25 is as below. Further, comparison of actuals for FY22 to FY23, FY24 (Approved), FY24(RE) and FY25 (Projections) are also given in the below table;

Year	Sales (*)	Dis. Loss	IF Energy	Tr. Loss	Gen. Point
	(MU)	(%)	(MU)	(%)	Energy (MU)
FY19 (Actual)	4956.88	10.52%	5539.73	(**)	5981.66
FY20 (Actual)	5247.18	10.07%	5835.03	(**)	6130.37
FY21 (Actual)	5057.96	9.86%	5611.33	(**)	5863.54
FY22 (Apd in TO21)	5721.45	9.27%	6257.79	2.978%	6494.96
FY22 (Actual)	5168.52	9.02%	5681.01	(**)	5917.01
FY23 (Apd in TO22)	5431.71	9.10%	5926.89	2.864%	6151.48





FY23 (Actual)	5598.36	8.42%	6112.96	(**)	6430.14
FY24 (Apd in TO23)	5604.08	8.85%	6142.13	2.764%	6316.72
FY24 (RE)	5775.88	8.85%	6336.68	2.764%	6516.80
FY25 (Apd in TO22)	5863.83	8.60%	6362.06	2.664%	6586.43
FY25(Projection)	5932.20	8.60%	6490.37	2.664%	6668.01

<sup>(\*)</sup> Sales includes MSEZ energy sales.

(\*\*)Since energy at generation point is scheduled energy, the Tr. loss percentage with reference to generation point energy and IF point energy is inappropriate.

The energy projected as above at IF point is comparably nearest to the projected data of 20<sup>th</sup> Electric Power Survey.

# 5.8 Proposed RPO Compliance for FY24(RE):

MESCOM here below proposes Renewable Energy (RE) RPO Compliance for FY24.

Sl. No.	Particulars	Quantum In MU	Cost Rs.in Cr
1.	Total power purchase quantum from all sources excluding Hydro-energy	5273.61	3619.92
2.	RE purchased under PPA route at Generic Tariff. including Solar RE purchase from KPCL	1512.59	598.88
3.	RE purchased from Exchanges	-	-
4.	RE sold in Exchanges	-	-
5.	RE (Green Energy) sold to consumers	-	-
6.	RE purchased from other ESCOMs	-	-
7.	RE sold to other ESCOMs	-	1-
8.	Banked RE purchased @ 85% of Generic Tariff.	-	-
9.	Total RE Purchased [1+2+3-4+5-6+7]	1512.59	598.88
10.	RE RPO Target (%)	26.50%	
11.	Proposed RE RPO Compliance (%)	28.68%	

# 5.9 Proposed RPO Compliance for FY25:

MESCOM here below proposes Renewable Energy (RE) RPO Compliance for FY25.

Sl.No.	Particulars	Quantum In MU	Cost Rs.in Cr
1.	Total power purchase quantum from all sources excluding Hydro-energy	5021.38	3644.29
2.	RE purchased under PPA route at Generic Tariff. including Solar RE purchase from KPCL	1485.67	618.68
3.	RE purchased from Exchanges	-	, <del>-</del> 1
4.	RE sold in Exchanges		
5.	RE (Green Energy) sold to consumers	-	-
6.	RE purchased from other ESCOMs	-	-
7.	RE sold to other ESCOMs	_	-
8.	Banked RE purchased @ 85% of Generic Tariff.		-
9.	Total RE Purchased [1+2+3-4+5-6+7]	1485.67	618.68
10.	RE RPO Target (%)	26.50%	
11.	Proposed RE RPO Compliance (%)	29.59%	

