

Comparative statement on Energy Conservation– Sept-2023

SINo.	Description	Consumption in KWH
1	Energy consumption quota fixed by Headquarters for 2023-24	6368583
2	Average monthly quota (Sl.no. (1)/12).	530715
3	Proportionate quota up to the month of Sept-2023	3184290
4	Consumption for the month Sept- 2023 (Current year).	581680
5	Consumption for the month of Sept-2022 (Previous year).	547607
6	% Excess /savings for the month compared with previous year (Sl.no. (4) – Sl.no. (5) / Sl.no (5) x 100).	6.22
7	% Excess /savings for the month compared with energy quota (Sl.no. (4) – Sl. No. (2) / Sl.no(2) x 100).	9.60
8	Cumulative consumption up to the month for this year (Up to Sept-23).	3748148
9	Cumulative consumption up to the month for previous year(Up to Aug-22).	3452036
10	% Excess / Savings in cumulative consumption compared with previous year (Sl.no. (8) - Sl.no. (9) / Sl.no. (9) x100).	8.58
11	% Excess /savings in cumulative consumption compared with energy quota (Sl. No.(8) - Sl.no.(3) / Sl.no.(3) x 100).	17.71

Power Factor Incentive:-

Power factor incentive of Rs.1763/- was availed from KSEB for the month of Sept-2023 for maintaining high power factor at HT supply points.

Savings due to Solar Systems:-

The total energy generated by the Solar systems of the PGT Division during Sept-23 is **40245** units and thereby savings achieved is **Rs. 157089** /-

(The cumulative energy generated by the Solar systems of the PGT Division during the current year (2023-24) up to Sept-23 is **273354 kWh** and Savings achieved is **Rs. 1068757/-**

Details of solar generation for 2023-24 up to Sept -2023

Sl. No	Location	State	Capacity	Date of commissioning	Net energy generated		Net savings	
					(in kWh)		Achieved (in Rs.)	
					Sept. 23	2023-24	Sept. 23	2023-24
1	PLL stn.	Kerala	2 kWp	26.05.15	90	545	630	3815
2	TLY stn.	Kerala	3 kWp	10.12.16	90	581	302	1952
3	Div./O/PGT	Kerala	105 kWp	02.03.17 / 26.6.19	8,981	60166	55682	373029
4	RH /PGT	Kerala	20 kWp	02.03.17	1,954	13085	12115	81127
5	CLT stn	Kerala	100 kWp	10.07.19	8,966	64145	22953	164211
6	PGT stn	Kerala	50 kWp	25.09.19	4,641	33749	11881	86397
7	SRR stn	Kerala	50 kWp	25.10.19	4,280	21835	10957	55898
8	CAN stn	Kerala	50 kWp	31.10.19	4,450	31065	11392	79526
9	TLY stn	Kerala	50 kWp	28.10.19	4,122	28358	13850	95283
10	MDDTI	Kerala	50 kWp	05.06.21	1,712	14071	10614	87240
11	PLL	Kerala	5.2kWp	05.06.22	488	2892	3416	20244
12	LDY	Kerala	5.2kWp	05.06.22	471	2862	3297	20034
TOTAL					40245	273354	157089	1068757

Savings

LDY, PLL – Rs. 7/- per kWh; MDTI, RH/PGT, Div./O/PGT – Rs. 6.2 per kWh; CLT, PGT Stn, SRR, CAN – Rs. 2/56 per kWh; TLY – Rs. 3.36 per kWh