

### Comparative statement on Energy Conservation– Aug-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 Aug-2023	2122860
4	Consumption for the month Aug- 2023 (Current year).	554038
5	Consumption for the month of Aug-2022 (Previous year).	508765
6	% Excess /savings for the month compared with previous year (Sl.no. (4) – Sl.no. (5) / Sl.no (5) x 100).	9
7	% Excess /savings for the month compared with energy quota (Sl.no. (4) – Sl. No. (2) / Sl.no(2) x 100).	4.39
8	Cumulative consumption upto the month for this year (Up to Aug-23).	3191340
9	Cumulative consumption up to the month for previous year(Up to Aug-22).	2904429
10	% Excess / Savings in cumulative consumption compared with previous year (Sl.no. (8) - Sl.no. (9) / Sl.no. (9) x100).	9.89
11	% Excess /savings in cumulative consumption compared with energy quota (Sl. No.(8) - Sl.no.(3) / Sl.no.(3) x 100).	50.33

### Power Factor Incentive:-

Power factor incentive of Rs.3938/- was availed from KSEB for the month of Aug-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 Aug-23 is **54011** units and thereby savings achieved is **Rs. 208849 /-**

(The cumulative energy generated by the Solar systems of the PGT Division during the current year (2023-24) up to Aug-23 is **208849 kWh** and Savings achieved is **Rs. 911668/-**

### Details of solar generation for 2023-24 up to Aug -2023

S No	Rail way	Location	State	Capacity (in kWp)	Date of commissioning	Net energy generated ( in kWh)		Net savings Achieved (in Rs.)	
						Aug '23	2023-24	Aug '23	2023-24
						1	SR	PLL stn.	Kerala
2	SR	TLY stn.	Kerala	3 kWp	10.12.16	93	491	312	1650
3	SR	Div./O/PGT	Kerala	105 kWp	02/03/17 26.06.19	11755	51185	72881	317347
4	SR	Rly. Hsptl. /PGT	Kerala	20 kWp	02.03.17	2551	11131	15816	69012
5	SR	CLT stn	Kerala	100 kWp	10.07.19	13046	55179	33398	141258
6	SR	PGT stn	Kerala	50 kWp	25.09.19	6627	29108	16965	74516
7	SR	SRR stn	Kerala	50 kWp	25.10.19	4357	17555	11154	44941
8	SR	CAN stn	Kerala	50 kWp	31.10.19	6247	26615	15992	68134
9	SR	TLY stn	Kerala	50 kWp	28.10.19	5786	24236	19441	81433
10	SR	MDTI	Kerala	50 kWp	05.06.21	2442	12359	15140	76626
11	SR	PLL	Kerala	5.2kWp	05.06.22	505	2404	3535	16828
12	SR	LDY	Kerala	5.2kWp	05.06.22	509	2391	3563	16737
<b>Total</b>						<b>54011</b>	<b>233109</b>	<b>208849</b>	<b>911668</b>

### 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