

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Energy Audit Report

Sri G.V.G Visalakshi College For Women,

Udumalpet-642128

2018

Energy Audit Report

**Energy Audit by
Sri Energy
Solutions**

30/01/2018

Sri Energy Solutions



The Coalition for
ENERGY SAVINGS

RS/EA/GVG/45

12.02.2018

To,

**The Principal,
M/s. Sri GVG Visalakshi college for women,
Palani Road,
S.V.Mill post,
Udumalpet**

Dear Sir,

Sub :- Energy Audit at your premises on 30.01.2018

With reference to the above, we certify that you can save **minimum 40% energy saving**
by implementing our recommendations.

Thanking You

Yours Truly,

For Sri Energy Solutions,

**M.RAMESHKUMAR B.E., M.B.A., PGDEEM & EA
BEE CERTIFIED ENERGY AUDITOR - EA 22303**

51, S.K.Puthur, Madathukulam Post, Udumalpet, Coimbatore - 642 113
Mobile : 84899 00220, 90420 64932 & E-mail : udtreliablesolutions@gmail.com

Project Report Title : **Energy Audit**

Client Name : **Sri GVG Visalakshi college for women**

Plant Location : **Palani Road,
S.V.Mill post,
Udumalpet**

Date of Audit : **30th January 2018**

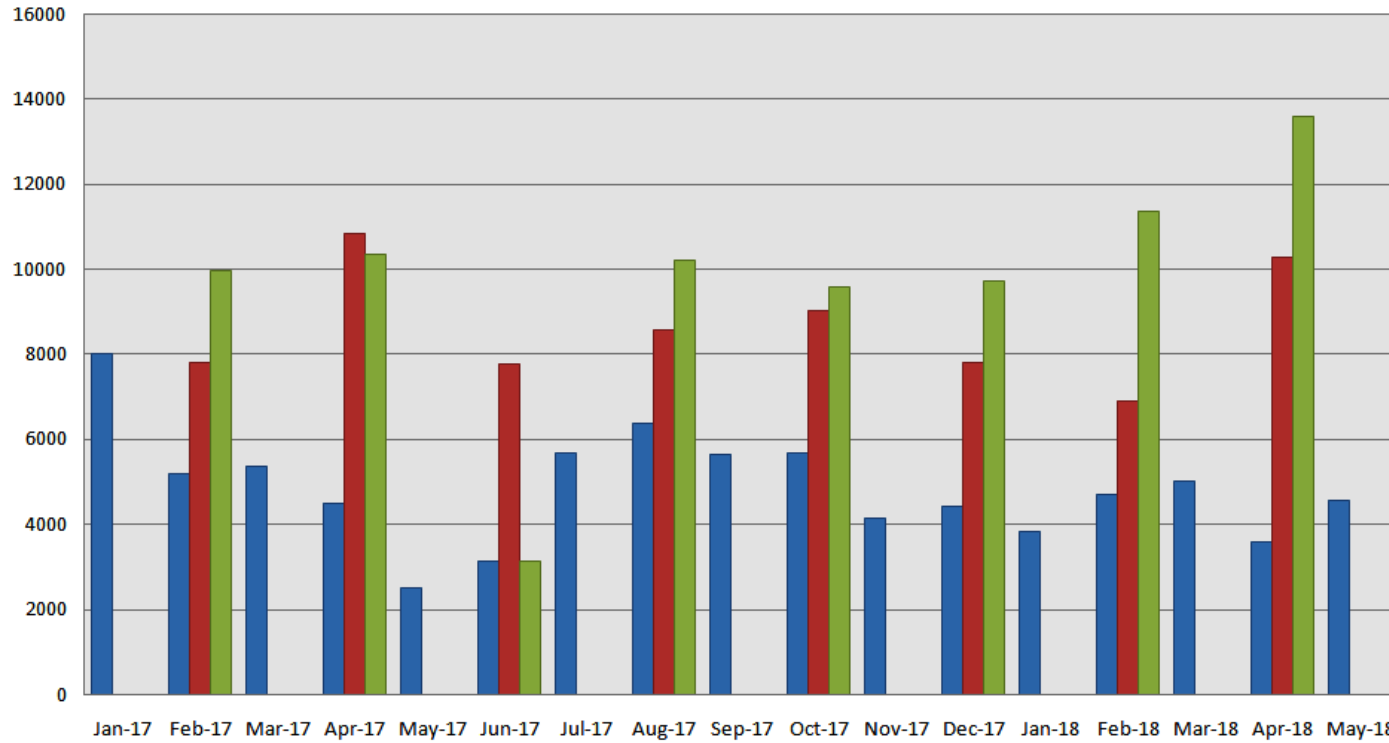
Energy Audit by : **M/s. Sri Energy Solutions, Udumalpet
And
M/s.MCET., Pollachi**

Energy Audit Team : **1. M.Rameshkumar, B.E, M.B.A, PGDEEM&EA,
BEE Certified Energy Auditor**

**2. L.Chitra, M.E.,(P.hd)
BEE Certified Energy Manager**

Our college has decided to go on an energy saving LED bulbs are fitted in the newly constructed buildings

Units Consumed



	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18
■ S.No: 264	8012	5188	5376	4492	2512	3120	5680	6364	5640	5668	4140	4432	3840	4716	5008	3588	4580
■ S.No:6		7800		10850		7780		8590		9020		7800		6910		10300	
■ S.No:9		9970		10370		3120		10220		9570		9730		11380		13600	

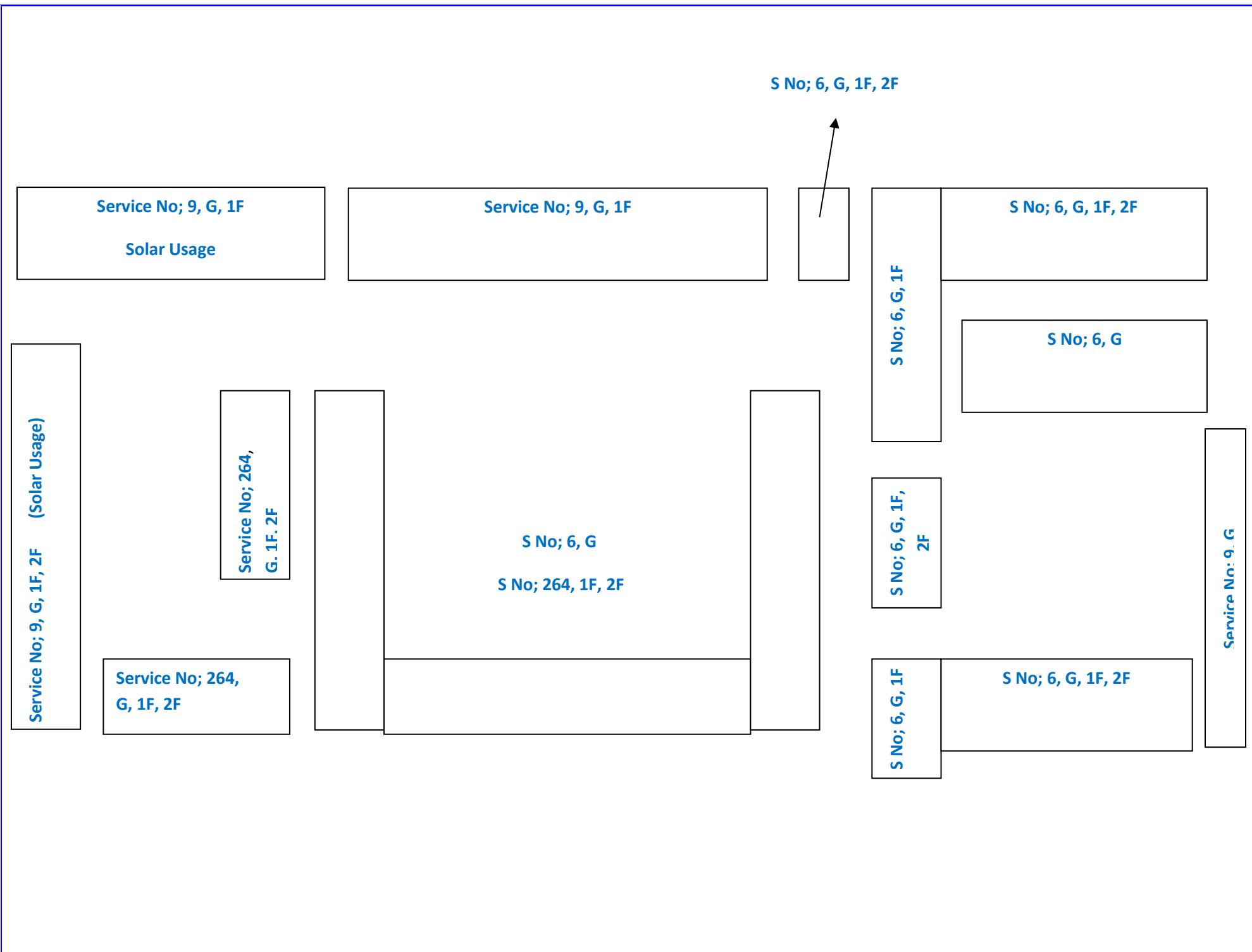
■ S.No: 264 ■ S.No:6 ■ S.No:9

Total No. of Lights Details

Year	Normal Lights	LED Lights	Total No. of Lights
2013- 2017	695	201	896
2017-2018	702	477	1179

Total Power requirement for **477 LED** Lights = 6382 KWH

❖ The existing LED bulbs in the campus will be replaced by LED bulbs as and when they fail.



Ser No: 264 (80.4 KW Capacity)					
Month	2013	2014	2015	2016	2017
1	3264	9776	4050	5512	8012
2	3976	5768	5170	6292	5188
3	3512	7032	5204	6728	5376
4	3952	3356	3780	4700	4492
5	3648	3108	2028	2552	2512
6	3556	3912	2324	3628	3120
7	6716	5948	5044	6040	5680
8	6308	5644	5468	6428	6364
9	7244	6540	7888	5436	5640
10	6796	6144	4480	5256	5668
11	1780	3456	6264	3436	4140
12	432	6188	6428	1268	4432
Total	51184	66872	58128	57276	60624

Ser No: 6 (37.3 KW Capacity)					
Month	2013	2014	2015	2016	2017
2	5910	6840	8087	6880	7800
4	6660	7050	9310	9730	10850
6	6170	6430	6750	6120	7780
8	7142	8240	8930	7520	8590
10	7628	8950	9650	8560	9020
12	5670	8595	6680	6890	7800
Total	39180	46105	49407	45700	51840

Ser No: 9 (32.27KW Capacity)					
Month	2013	2014	2015	2016	2017
2	9480	13970	9910	8880	9970
4	9390	12370	10130	11190	10370
6	5550	4780	3980	3900	3120
8	13660	9340	11190	10540	10220
10	14260	11180	11880	12230	9570
12	11470	8940	8760	9910	9730
Total	63810	60580	55850	56650	52980

	2013	2014	2015	2016	2017
Total Units	154174	173557	163385	159626	165444