



# SRI RAMACHANDRA

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Deemed to be University)

## **SDG13-13.2.2.1**

### **From Electrical Department:**

| Month     | TNEB Units Consumed (KWh) | DG Units Consumed (KWh) |
|-----------|---------------------------|-------------------------|
| January   | 2082367                   | 4569.8                  |
| February  | 2160043                   | 637.6                   |
| March     | 2755090                   | 0                       |
| April     | 2490961                   | 1761.2                  |
| May       | 2412512                   | 0                       |
| June      | 2348171                   | 531.6                   |
| July      | 2769233                   | 14818                   |
| August    | 2888273                   | 2376                    |
| September | 2867328                   | 6332                    |
| October   | 2953051                   | 2139                    |
| November  | 1819486                   | 0                       |
| December  | 2492693                   | 10367.4                 |

**Year - 2021**

**30039208.00**

**43532.60**

**Total**

**30082740.60 KWh / Year**

### **From Transport Department:**

| Month     | Petrol usage in Ltr | Diesel usage in Ltr |
|-----------|---------------------|---------------------|
| January   | 53.29               | 2207.04             |
| February  | 55.90               | 2861.9              |
| March     | 80.76               | 6228                |
| April     | 55.79               | 1101                |
| May       | 28.54               | 2111.32             |
| June      | 28.52               | 2382                |
| July      | 73.72               | 5456.2              |
| August    | 49.57               | 7219                |
| September | 50.49               | 7507                |
| October   | 73.43               | 6601                |
| November  | 48.11               | 4499                |
| December  | 74.00               | 7359                |

**Year - 2021**


**672.12**

**55532.46**

| Month | Petrol usage in Ltr  | Diesel usage in Ltr  |
|-------|--|--|
|       | Calorific value = 46 MJ/Kg<br>Density = 0.75 Kg/Lit<br>Burning of 1 Lit Petrol = 34.5 MJ | Calorific value = 45.5 MJ/Kg<br>Density = 0.85 Kg/Lit<br>Burning of 1 Lit Diesel=38.67MJ |

**Final Results:**

| Sources                                      | Energy used (GJ/Year) |
|--|-----------------------|
| Electrical                                   | 108297.866            |
| Transport - Petrol                           | 23.188                |
| Transport - Diesel                           | 2147.44               |
| <b>Total Energy Used in the Year of 2021</b> | <b>110468.7722</b>    |

  
**Dr. P.V. VIJAYARAGHAVAN**  
 M.B.B.S., D.Ortho, DNB (Ortho), M.Ch (Ortho) UK, FRCS (Glasgow)  
 FAOI (Swiss), FAIMER Fellow  
**Vice-Chancellor**  
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