

**SUMMARY ON  
ANNUAL LIGHTING POWER REQUIREMENT & LED BULBS CONSUMPTION KWH**

Name of the premises: **KKR & KSR Institute of Technology and Sciences**

Address: **Vinjanampadu, Vatticherukuru – 522017, Guntur Dist. Andhra Pradesh, INDIA.**

Location	Attributes	CTL (A)	LED bulbs (B)	LED Flood light (C)	LED Flood light (D)	A+B+C+D	B+C+D
Ground floor (BLOCK -B)	Central Library		77				
	Digital Library		12				
	Canteen	0	40				
	Stores	2					
First floor (BLOCK-B)	Training & Placement Cell		26				
	Seminar Hall		18				
	Open Corridor		24				
	Waiting Hall		6				
	Rest Room		9				
Second floor (BLOCK-B)	Hod & Staff Room (S&H)	1	18				
	Classrooms and Labs		63				
	Rest Room		5				
	Waiting Hall	5	9				
	Open Corridor		38				
Third floor (BLOCK-B)	Class Rooms and Labs (12)		80				
	Rest Room		9				
	Open Corridor		18				
Ground floor (BLOCK -A)	Office & Administration Room	2	18				
	Management Offices	6	22				
	Classrooms and Labs	4	31				
	Server Room	2	18				
	Staff Room	9					
	Open Corridor	25					
	Seminar Hall		18				
First floor (BLOCK-A)	Hod's & Staff Room's	6	18				
	Classrooms and Labs	4	59				
	Rest Room	4					
	Open Corridor	18	14				
	R & D	2					
	Exam Cell	8					
Second floor (BLOCK-A)	Hod's & Staff Room's	5	15				
	Classrooms and Labs	4	104				
	Rest Room		6				

	Waiting Hall	2	17				
	Open Corridor	12	38				
Third floor (BLOCK-A)	Hod's & Staff Room's	12	16				
	Classrooms and Labs	4	108				
	Rest Room	6					
	Open Corridor	28	18				
STREET LIGHTING					25	28	
TOTAL LIGHTINGS		171	972	25	28		
RATINGS (W)		40	18	30	100		
Consumption for 8hrs per day(kWh)		54.72	139.968	6	22.4		
Annual consumption in kWh for 240 working days		13132.8	33592.32	1440	5376		
<b>Annual lighting power requirement kWh:</b>					<b>53541.12</b>		
<b>Annual LED bulbs consumption in kWh for 240 days:</b>					<b>40408.3</b>		
<b>Percentage lighting through other sources:</b>					<b>25.00%</b>		
<b>Percentage lighting through LED bulbs:</b>					<b>75.00%</b>		

Signature:



Name: **Dr.T.Chandrasekar**

Designation: **Energy Auditor**

Seal: **Dr. T. CHANDRASEKAR**  
**CERTIFIED ENERGY AUDITOR,**  
**EA - 10327**

Date: 31/08/2022



**PRINCIPAL**  
**KKR & KSR Institute of Technology & Sciences**  
**Vinjanampadu, GUNTUR-17.**