

SUMMARY ON

ANNUAL LIGHTING POWER REQUIREMENT & LED BULBS CONSUMPTION KWH

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

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

Location	Attributes	CTL (A)	LED bulbs (B)	LED Floo d light (C)	LED Floo d light (D)	A+B+C+ D	B+C+D
Ground Floor (Block -B)	Central Library		77				
	Digital Library		12				
	Canteen	2	38				
	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)	Classrooms and Labs (12)		80				
	Rest Room		9				
	Open Corridor		18				
Ground Floor (Block -A)	Office & Administration Room	2	18				
	Management Offices	10	18				
	Classrooms And Labs	8	27				
	Server Room	2	18				
	Staff Room	9					
	Open Corridor	25					
	Seminar Hall		18				
First Floor (Block-A)	Hod's & Staff Room's	12	12				
	Classrooms And Labs	18	45				
	Rest Room	4					
	Open Corridor	18	14				
	R & D	2					
	Exam Cell	6					
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	58			
	Rest Room	6				
	Open Corridor	28	18			
Street Lighting				15	18	
Total Lightings		199	892	15	18	
Ratings (W)		40	18	30	100	
Consumption for 8hrs per day(kWh)		63.68	128.448	3.6	14.4	
Annual consumption in kWh for 240 working days		15283.2	30827.5	864	3456	
Annual lighting power requirement kWh:					50430.72	
Annual LED bulbs consumption in kWh for 240 days:					35147.5	
Percentage lighting through other sources:					30.31%	
Percentage lighting through LED bulbs:					69.69%	

Signature:

Name: **Dr. T. CHANDRASEKAR**
CERTIFIED ENERGY AUDITOR

Designation: Energy Auditor **EA/10327**

Seal:

Date: 27/09/2021