KKR & KSR INSTITUTE OF TECHNOLOGY & SCIENCES



(AUTONOMOUS)

Department of Electrical and Electronics Engineering

USE OF LED BULBS

LED CAPACITY (IN WATTS)						
15						
TOTAL LED USAGE						
15						

KKR & KSR INSTITUTE OF TECHNOLOGY & SCIENCES (AUTONOMOUS)

Department of Electrical and Electronics Engineering

PLANT CAPACITY I & II: 200KW (EACH 100 KW)

INVETERS (4): 50 KW DAILY GENERATED AVERAGE SOLAR UNITS: 650 - 850 SOLAR PANEL DB: 400 Amps

PLANT - 1 SPECIFICATIONS:

YEAR OF ESTABLISHMENT: 2017 NORMAL PEAK POWER EACH SOLAR PANEL Pmpp - 310W NUMBER OF SOLAR PANELS: 323 INVERTERS (2): 50 KW * 2 = 100 KW CAPACITY OF PLANT I (310 * 323) =100 KW

PLANT - II SPECIFICATIONS:

YEAR OF ESTABLISHMENT: 2019 NORMAL PEAK POWER EACH SOLAR PANEL Pmpp - 325W NUMBER OF SOLAR PANELS: 318 INVERTERS (2): 50 KW * 2 = 100 KW CAPACITY OFPLANT I (325* 313) =100 KW

DETAILS OF POWER GENERATED AND EXPORT

Average power generated per month = 20000 units Average power export to grid per month = 5000 units Average power used in college per month = 15000 units