ENERGY EFFICIENCY VADODARA MUNICIPAL CORPORATION

Vadodara Case study

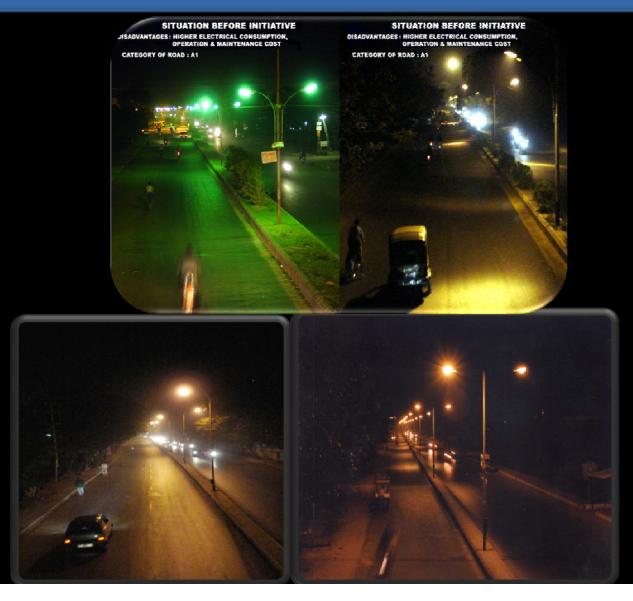


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PICTURE GALLERY

Vadodara Municipal Corporation

LIGHTING EFFECT OF CONVENTIONAL INSTALLATIONS



LIGHTING EFFECT OF DESIGNE BASED INSTALLATIONS (YEAR 2000)





COMPARISION OF CONVENTIONAL & DESIGNE BASED INSTALLATIONS









INTERNATIONAL LEVEL OF LIGHTING 35 LUX (YEAR 2008)









COMPARISION OF DESIGN BASED LIGHTING 2000 & 2008

LIGHTING AFTER 2000





LIGHTING IN 2008





LIGHTING COMPARISION: VMC WITH INTERNATIONAL CITY

VADODARA

INTERNATIONAL CITY



540 W LOAD ON A POLE :42 M SPAN 250 W HPSV LAMP X 2

ILLUMINATION LEVEL 35 LUX
UNIFORMITY 40% HEIGHT 10 M



2700 W LOAD ON A POLE : 60 M SPAN 600 W HPSV LAMP X 4

ILLUMINATION LEVEL 35-40 LUX UNIFORMITY 50% HEIGHT 20 M

ILLUMINATION LEVEL: 24x5 T5 Lamps & Design based HPSV Installations

10.80 KW

13.44 KW



Annual Electrical
Consumption Kwh for one km length of road

T543362
kwh/year

HPSV
35600 kwh/year
After using Dimming Technology

Poor visibility, service delivery & uniformity which leads to poor safety & security of Citizens.

Better visibility, service delivery & uniformity ,Improved safety & security of Citizens.

THANK YOU



SUBODH SHAH

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