

## New Council Hall, Nariman Point, Mumbai



The New Council Hall is Legislative assembly Building built in 1981.

The Electric load of the Building is 2486 kw (Lighting + Inductive load of A/C Plants & Lifts)

To achieve the energy saving

- 1) The Energy efficient Tube fittings (1493 Nos)
- 2) The modification of 4 x 20 watt fittings to 2 x 20 watts mirror optic fittings (537 Nos)
- 3) Providing variable frequency drive and.
- 4) A.P.F.C panel for power factor improvement, These work have been carried out in year 2002 – 2003.

The major Energy saving is by APFC Panel. The B.E.S.T. undertaking charges Rs.2.40 per KVAR for the power factor below 0.96. The achievement per year by KVAR units is

Oct, 02 to Sept, 03	-	Rs. 4.99 lakh
Oct, 03 to Sept, 04	-	Rs. 4.44 lakh
Oct, 04 to Sept, 05	-	Rs. 4.55 lakh

The Electrical load constantly increases due to additional Air Conditioning units and its contineous use.

The details of connected electrical load, energy consumption, annual electricity bill amount of Navin Vidhan Bhavan, Mumbai during 2001-2005 are as following.

<b>Sr.N o.</b>	<b>Year</b>	<b>Connected Load</b>	<b>Energy cost units</b>	<b>Annual Elect Bill</b>	<b>Energy cost/ sq mtr</b>	<b>Energy consumption/ sq. mtr. (area 34196 sq. mtr)</b>
1	2001-02	2456	1251460	8060274	235.71	36.60
2	2002-03	2378	1282600	8813162	257.72	37.50
3	2003-04	2500	1234000	7553997	220.90	36.09
4	2004-05	2586	1359785	7963569	232.88	39.76