

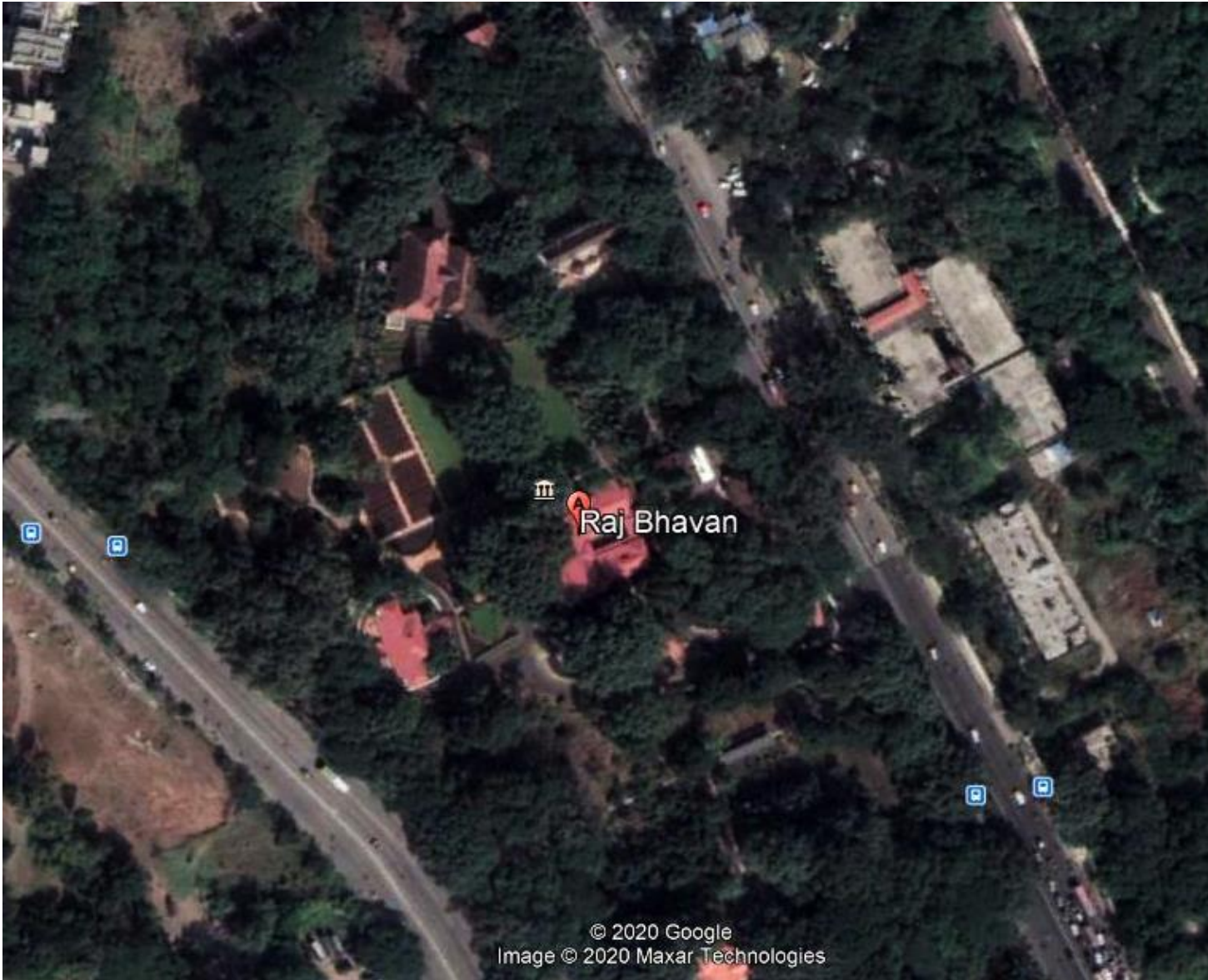
RAJ BHAVAN PUNE

**GRIHA Existing Building:
5 Star Rated**

PROJECT FACT SHEET

- Project Name: Raj Bhavan
- Official Residence and Office of Governor of Maharashtra and President of India in Pune.
- Firstly built in 1866 and have extensions in later period
- Owned and Maintained By PWD Maharashtra
- Site Area: 38373.61 Sq. M.
- Built Up Area: 1140 Sq. M.





LOCATION AND BASIC AMENITIES:

- Project Name: Raj Bhavan
- Project is located in Ganesh Khind Area / University Road.
- This strategic location gives project accessibility to all basic amenities including Public transport systems.
- All operation and maintenance staff is provided with the residences in the campus which reduces the use of private vehicles.

LANDSCAPE AND MITIGATION OF UHIE

Buildings are nested among the thick vegetated area residing more than 750 trees. Hence the ration of site area per tree is achieved as 41 sqm per Tree which is almost half of the standard by GRIHA EB i.e. 80 sqm per Tree.

landscape area is 30966.04 sq. m
Which is 80.69 % of total site area.



PASSIVE DESIGN AND DAYLIGHT:

- Due to favourable micro climate and architectural design project operates on mix mode for air-conditioning and ventilation.
- Operable windows opening in verandas enables the cross ventilation and daylight to achieve thermal and visual comfort for occupants.



EFFICIENT WATER MANAGEMENT

All existing water fixtures were replaced by water efficient fixtures or improved performance by installation of flow restrictors.

Reduced potable water demand by more than **30%** by use of Water efficient fixtures.

Most of the vegetated area is full grown Native trees and the turf area is restricted to 10% of the total Landscape area. Hence reduction in Landscape irrigation water demand is 86%

100% Roof and Non Roof Rain Water Harvesting





ENERGY EFFICIENCY

Retrofit for lighting fixtures and Air-conditioned were carried out by EESL. Under the program

All Lighting fixtures are replaced with LED fixtures

All Fans and Air conditioners were replaced by BEE star labeled (4 Star / 5 Star) equipment.

All other equipment i.e. Refrigerators or Geysers are BEE star labeled



ENERGY EFFICIENCY

BEE Star Labeled Pumps and Motors

Submetering for AC, Lighting and
Other Utilities

10 kWp onsite Solar PV installation
which caters 40% of the annual
energy requirement

Additionally 1MW offsite Solar PV
plant is commissioned by Raj
bhavan as a sustainability initiative.

OTHER GREEN FEATURES

Waste segregation and treatment of organic waste on site

Universal accessibility for the all the spaces

Electric charging facility to encourage use of e vehicles.





Urban Farming: project has dedicated site are for cultivating vegetables and fruits along with Honeybee Farming

Additionally project has adopted labeling program for trees to encourage and spread awareness regarding bio diversity in the campus

OTHER GREEN
FEATURES