



SUB TREASURY BUILDING CHOWARI (OFFICIAL-CUM-RESIDENCE), Chamba, Himachal Pradesh



Location	: Chamba, Himachal Pradesh
Site Area	: 405.60 sqm.
Built up Area	: 166.68 sqm.
Typology	: Mixed use building
Rating Category	: SVA GRIHA Final Rating
Version	: Version 2.2
Year of Award	: 2023
Client	: Treasuries, Accounts and Lotteries, Himachal Pradesh
Integrated Design Team	: Chief Architect, PWD, Himachal Pradesh
Green Building Consultant	: Design2Occupancy Services LLP

The following strategies were adopted by the project team to reduce the building impact on the environment:

Sustainable Site Planning:

- 6 new native trees have been planted on site.
- Ventilators have been provided in habitable spaces to increase cross-ventilation.

Energy:

- More than 90.87% of the total living area is day-lit.
- The LPD of the ground floor (Office area) is 3.24 W/sqm and first floor (residential area) is 2.6 W/sqm, which are lower than the ECBC specified LPD limit of 10.80 W/sqm and 7.5 W/sqm for offices and multifamily residential respectively.
- BEE 5-star rated air conditioners, fans and geysers have been installed.
- Solar hot water system of 200 LPD capacity has been installed.
- Solar photovoltaic system of 4 kWp capacity has been installed.

Water Management:

- Reduction of 60.89% from the SVA GRIHA base case has been demonstrated in building water demand by installing low-flow plumbing fixtures.
- Reduction of 67.68% from the SVA GRIHA base case has been demonstrated in landscape water demand by using native trees.
- Rainwater storage tank of 6,000 litres capacity has been constructed on site.

Sustainable Building Materials:

- 100% of interior paints used in the project are low VOC and lead-free.
- Ceramic tiles, vitrified tiles and kota stone have been used as flooring material.

Lifestyle:

- Most of the basic amenities such as grocery store, ATM, pharmacy, restaurant, school, temple and park are in close proximity to the site.
- Environmental awareness signage's have been displayed at various locations.
- Electric charging point has been provided to encourage the use of electric vehicles and reduce carbon emission.

Waste Management:

- Domestic composting bin of 30 L capacity has been installed in the project.