

Comparative Study of Green Rating Systems in India

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Abstract: Indian construction industry is highest growth rate from last years, which is having a negative impact on the environment and natural resources available for construction. Following this problem of carbon imprint, concept of sustainable development in construction industry is the need of an hour. With increase in demand of sustainable buildings or green buildings demand of green rating and assessment tools is also increasing. Rating tools set benchmark for green building measurement, which are helpful in reducing negative impact on environment by promoting quality green building. India has two main building environment assessment tools i.e., Indian Green Building Council (IGBC) and Green Rating for Integrated Habitat Assessment (GRIHA). The former is benchmarked with global standards while later is indigenously developed. This paper aims to focus on comparative study of IGBC (LEED India) and GRIHA rating system and compare both with regards to their certification-cost, influence and popularity, performance criteria and benchmarks (rating score). Through this study, an attempt is made to make clear understanding of IGBC and GRIHA rating system assessment criteria that need to be considered before certification.

Keywords: Green Rating System, GRIHA, LEED, IGBC, etc.

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