



Energy Performance Assessment tool (IT Toolkit:ResBuild India) updates

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TERI

Energy Efficient Homes Programme



Initiated in 2010 under the Indo German development cooperation



Aim: Improving EE in the Indian residential building sector by transferring German experience to India



Main element: Certifying EE new residential buildings and provision of LoC of € 50 mio. for refinancing loans in certified buildings

+ capacity development of EE housing sector

18 projects: >24,000 apartments

Project Name	Towers Certified	Total no. of Units certified
3C-Boulevard	17	2,224
3C-Panache	30	4,048
3C-Zing	16	2,664
3C- Espacia	6	480
BCIL-ZED Collective	2	44
BCIL-ZED Woods	3	60
HIRCO	11	1,212
SKR Cityscapes	2	112
Sahara Lucknow	110	6,024
Sahara Nagpur	64	2,646
Spire Woods	12	620
Spire south	21	578
Bunglows	7	110
L-Axis	7	486
Ansal Esencia	15	480
Mahagun Mezzaria	8	748
Gera Green Trinity Towers	3	153
Gera Green Song of Joy	3	180

50 million euro disbursed from just 1912 loan applications from this pool of certified apartments

- About 200 professionals including people from academia have been trained with a very good response on the toolkit
- Regional spread of capacity building programs: New Delhi, Mumbai, Bangalore, Pune, Jaipur



GRIHA rating system



- GRIHA approves the use of IT toolkit for its residential projects and some 40 projects have used the tool

Tool update feedback

- Database of more materials in the construction library may be added to allow non-expert users to directly feed U-values
- VRV cooling needs to be operationalized
- BEE star labelling up gradation for ACs is scheduled for 2015. As and when it happens, the same needs to be incorporated in the toolkit.
- The toolkit has an option of “Consultant mode” which can be operationalized to help users make use of options such as change in schedules for cooling, lighting, etc. for non-certification applications.
- More case studies to be added

Way forward

- To continue with more training programs given the good response of stakeholders for the toolkit uptake
- Toolkit updating
- Labelling of Energy Efficient Homes