Technical Alternatives for certain GRIHA V2 & V3 requirements

August 2015

Criterion 13: Appraisal 13.3.2

Previous Clause	Revised Clause	Change
13.3.2 Minimum of 25% of the	13.3.2 Minimum of 25% of the	Daylight zone calculation is
living area (as mentioned above)	living area (as mentioned above)	not mandatory in the
should be daylighted and	should achieve daylight factors as	revised clause.
adequate level of daylight is	prescribed by IS code SP 41 as	
provided as prescribed by IS code	per clause 13.1.2 & 13.1.3 (2	
as per clause 13.1.2 & 13.1.3 (2	points- Mandatory) and/ or	
points- Mandatory) and/ or		
	If the adequate daylight	
 If the adequate daylight 	factors are achieved in > 50%	
factors are achieved in $> 50\%$	of total living area - 1 point	
of total living area - 1 point	and/ or	
and/ or	If the adequate daylight	
 If the adequate daylight 	factors are achieved in > 75%	
factors are achieved in > 75%	of total living area - 2 points	
of total living area - 2 points		

Criterion 14: Appraisal 14.3.2

- Projects which do not fall under any of the following two EPI categories, should use the methodology provided in the table below to calculate the benchmark EPI for their project:
 - Category 1: Office/Academic institution building 5 days a week, 8 hours a day
 - Category 2: Malls, hospitals, hotels, BPOs 24 x 7 occupied buildings

The following table illustrates the methodology using the EPI for Composite climate:

Category 1 buildings		
Initial GRIHA benchmark	140 kWh/sqm/annum	
Methodology for extrapolation	Linear	
Conditions	 Total occupied hours cannot be greater than 16 per day Total number of operational days cannot be more than 6 	
Example 1	The total number of occupied hours per day is 12 and total operational days in a week are 5. The benchmark for the project is: 140 x (12/8) = 210 kWh/sqm/annum	
Example 2	The total number of occupied hours per day is 8 and total operational days in a week are 6. The benchmark for the project is: 140 x (6/5) = 168 kWh/sqm/annum	
Category 2 buildings		
Initial GRIHA benchmark	450 kWh/sqm/annum	
Methodology for extrapolation	Linear	
Conditions	 Total operational days must be 7 Total number of occupied hours cannot be less than 14 per day 	
Example 3	The total number of occupied hours per day is 18. The benchmark for the project is: 450 x (18/24) = 338 kWh/sqm/annum	

For projects with more than one type of space, please use weighted average.