A residential building is located in Chennai which has total site area of 8,000 m2 and total built-up area is 14,000 m2. Out of total built-up area 9,800 m2 is allocated for residential development and rest of the area will be used for commercial purpose.

The commercial area is operating for 6 day and 8 hours per day.

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| --- | --- | --- |
| Description | Residential Building | Commercial Building |
| Built up area | 9,800 m2 | 4,200 m2 |
| GRIHA Benchmark | 70 | 90 (8 hours x 5 days) |
|  | The benchmark will be same | * For a day EPI (8h/day) = 90/5 =18 kWh/day/m2
* For six (6) days EPI (8h/7days) = 18x6=108 kWh/Year/m2
 |
| Base Case Benchmark EPI (kWh/Year/m2) | $$\frac{\left(70×9,800\right)+\left(108×4,200\right)}{\left(9,800+4,200\right)}$$$Base case EPI =81.4$ kWh/Year/m2 |