

Khanchendzonga State University

WINNER



Sikkim

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Khanchendzonga State University

Strategies implemented:

| EPI of the Project | | | |
|---------------------------------|--------------------------------|----------------------|-------------------------------------|
| Block | EPI (kWh/m ² /year) | Area (Sqm) | EPI*Area (annual power consumption) |
| Academic Building – Left Block | 47 | 16,058.5 | 7,52,136 |
| Academic Building – Right Block | 46 | 16,058.5 | 7,44,072 |
| Multi-Purpose Hall | 46 | 9,399 | 4,33,292 |
| VC Residence | 56 | 689 | 38,449 |
| Total | | 42,205 | 19,67,949 |
| | | | |
| EPI | 46.6 | (19,67,949 / 42,205) | |
| | | | |
| Bench Mark | | | |
| Block | EPI (kWh/m ² /year) | Area (Sqm) | EPI*Area (annual power consumption) |
| Academic Building – Left Block | 108 | 16,058.5 | 17,34,318 |
| Academic Building – Right Block | 108 | 16,058.5 | 17,34,318 |
| Multi-Purpose Hall | 108 | 9,399 | 10,15,092 |
| VC Residence | 100 | 689 | 68,900 |
| Total | | 42,205 | 45,52,628 |
| | | | |
| Calculated EPI Benchmark | 107.9 | (45,52,628 / 42,205) | |
| | | | |
| Percentage reduction | 57 % | | |

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