

GSAS TECHNICAL CLARIFICATIONS

Ref: [05]/2016



Subject:	[E.1 – E.5] Energy Calculators Amendments
Applicability:	GSAS Energy Calculator for GSAS Sports, GSAS Railways, GSAS Healthcare and GSAS Bespoke schemes

Query

What are the amendments made to GSAS Energy Calculators in v2.1 - Issue No. 3?

Response

The main features of the amended issue (v2.1 - Issue No. 3) are as follows:

- Weather data and relevant energy benchmarks for all GCC main cities were incorporated into the calculators' databases. As such, the user can now choose the city hosting the project from the drop-down menu and the calculator will automatically load all relevant weather data and energy benchmarks from the database.
- Internal set point temperatures for both occupied and unoccupied periods were made as user-defined inputs, which will be used by the calculator for both design and reference values. For spaces requiring specific temperature set point, the design consultant should provide evidences supporting the selection of the set point temperatures based on standards or the project's special requirements.
- Enhanced responsiveness of the calculators to more complicated design features, however the calculations, protocols and methodologies remain the same.