# CALCULATION OF TRANSFORMER SIZING

* Total Connected Load = **2600.56 KVA.**
* To Ensure safety and future load expansion, we added a 25% margin to the load.

**2600.56 x 1.25 = “ 3250 KVA ”**

* Instead of going for a single transformer, we decided to use 2 transformers of **2000KVA** each.
* This setup provides redundancy even if one transformer is under maintenance, the

other can take up around 66% of the load , Which keeps essential systems running.

* The transformer will step down the voltage from 11KV to 415V, which is the standard supply