

Consider	Criteria	Decisions
Electrical load	Total load calculations Power (kVA) Local voltage and frequency	Reduce requirements? Alternate generators? (consider whether budget can cover duplicate setup)
Expected usage	Permanent/back-up system Consider requirement for UPS by way of back-up Starting system (manual/electric/automatic)	Alternate generators if constant power supply needed Establish running hours with regular breaks (consider if budget can cover duplicate setup)
Make, brand, Place of manufacture	Local availability and quality of relevant fuel and parts Local maintenance capacity	Budget for fuel and spare parts
Geographical area of use	Altitude Temperature and weather conditions Exhaust emission regulations Cooling system (air/water)	Improve electrical safety at location Isolate generator appropriately (consider budget availability)
Place of use	Indoors/outdoors Ventilation Protection from elements Noise and disruption Type (portable/fixed/on trailer) Safety	Budget for generator shelter or noise reduction system Require inspection of terrain Security requirements How to earth it effectively?
Price	Budget, set-up costs, maintenance costs	Within budget / out of budget