



POWER ELECTRIFICATION PROJECT – LOIYANGALANI, KENYA

PROJECT BACKGROUND

Lake Turkana Wind Power in Loiyangalani, Marsabit County is under construction. Once completed, the project will have 365 wind turbines, an overhead grid transmission line and a high voltage substation that will connect it to the national grid.



TRANSEAST SCOPE OF WORK

- Establish appropriate trailer combination in line with KENHA (Kenya National Highways Authority) legal requirements. Stability calculations to support trailer combination.
- Establish all viable routes / site surveys are documented. Turning radiuses & bridge calculations to be considered.
- Carry out risk analysis and document / Ensure daily tool box talk are carried out and documented.
- Direct delivery acceptance of cargo from Vessel for all transformer and shunt reactors.
- Ensure sure shock recorder readings are taken and documented daily (photographs)
- Ensure daily reports are sent out to client on an agreed schedule.
- De-stuff all containers carrying 3 mt Transformers and store appropriately – 342 transformer units.
- 3 axle air suspension trailers to load the 3 mt transformers for onward transport to Loiyangalani site.
- Apply abnormal permits with KENHA.
- Heavy lift team to prepare and execute offloading of all transformers and skid to final storage position on plinth.

CARGO DETAILS

10 x 68.5 mt – Transformers

342 x 3 mt – Transformers

2 x 75 mt – Shunt Reactors

EQUIPMENT

3340 Actros Mercedes Benz

Penstock air suspension Low loaders

Nooteboom hydraulic suspension trailers

Scheuerle modular hydraulic trailers

ROUTING

Kilindini port, Nairobi, Thika, Nanyuki, Laisamis, Loiyangalani site - 1,201 Km

