

**Topic : Movement of project cargo from origin point of your choice to destination of your choice.**

A one of its kind experimental power station which is claimed to be environmental friendly and uses ethanol will require a crank shaft weighing 100 tons measuring Length 10.5 X Width 8 X Height 6 meters to be transported by sea then inland 120 KM from an international port.

This piece will be ready for shipment in 15 days and there is an allowance of approx 60 days for delivery to the designated site.

A second heavy piece of alternator weighing 45 tons measuring Length 4 X Width 3 X Height 3 Meters will be ready for shipment just 2 weeks before the construction of the station commences. This piece cannot be transported by ocean transport.

Please organize a suitable air cargo transportation including inland delivery in a period no more than 10 days thus allowing a 5 day site preparation period. The distance from an international airport is about 150 KM.

In both the cases the client wishes to have the 2 pieces unloaded at the site at a designated area.

You will be required to advise the participants 2 days before delivery in order to get the engineers on site on the planned period of transportation.

This is crucial as these engineers will assist with the exact location where the pieces need to be unloaded.

All requisite permits and documents allowing efficient customs clearance, duty exemptions and highway transportation will need to be addressed and secured by you. In addition the site access and suitable heavy duty transport and crane hire comes under your responsibility.

The client expects you to quote an all-in costing. Insurance including the pertinent conditions will need to be provided and procured separately. The client also wishes you to address how you will tackle insurance claims, if any, in the event of such eventualities. In particular the client wants to know how you will ensure the safe transfer of the pieces between the various modes of transport & contractors and that the question of liability remains intact.

Candidates are expected to show initiative over the voyage(s) of these pieces of equipment. Extra marks will be awarded for the complexity of the problems overcome during these voyages.

Please note that the maximum word count for the dissertation should be 6,000. Any dissertation greater than 6,000 words will be rejected.