**Voyage estimation assignment**

The shipowner is trying to make up his mind whether he should enter into a contract so he is looking both on the cost he may encounter and on the other hand the possible revenue he stands to make. As such, he must do a voyage estimate which will help him to make a decision

Vessel details as follows:

m/v Dangroupdmeseh

Built 2014.

Highest Class Lloyds Register

Self-trimming. Gearless Bulk- carrier

Bridge and Engines Aft

6Holds/10 Hatches

Summer Deadweight: 40,000 metric tons on 12.5 meters saltwater draft

Grain Cubic capacity (all in holds) 37,750 cubic metres

Speed: Loaded 12 knots

Ballast 14

Consumption: 30 tons per per day steaming

1.5 tons diesel oil per day at sea

3 tons per day in port

Constant weights: 400 tons approximately

Running costs (Charter In) : USD 6,500 per day

Cargo details:

1. 35,500 metric tons alumina +- 5% OO
2. Cargo to load/discharge at 8,500 PWWD. CQD. SHINC
3. Brokerage 3.5% Gross Commission
4. Vessel can load 37,450 metric tons

5. F.I.O.S.T. Account Charterer

*Other relevant information*:

* Vessel free Managua, September 10
* Lay/Can Port Kaiser, September 13 - 20
* Price FO $115 per ton
* Price MDO $ 1355 per ton

**Port Disbursements**

* At Port Kaiser $15,000.-
* At St. Croix $25,000.-
* (Port Disbursement means: Expenses at port for various heads such as port charges, tugs, pilotage etc. ).
* Other expenses assume $ 5,000.-
* Discharging/loading to take as per laytime agreed
* Distance: Managua/Port Kaiser 780 nautical miles
* Port Kaiser/St. Croix 11250 nautical miles

**You are required to:**

1. Prepare a voyage estimate and give the break-even freight rate.