

As logistics manager to Mekki cellars in Morocco, a specialized wine group in pink (rosé) wine production. Your company has been founded in 1962 and is one of leading companies in Morocco. Your markets are numerous
Main flows are with : European countries.

Since some weeks, Mekki cellars

have an agreement with a new Belgian customer met at Bordeaux wine fair, expecting a periodic supply to its Brussels platform.

A sales contract is signed last February about 390 000 bottles of Rosé wine
total amount is 550 000 €.

Orders will be supplied from Mekki cellars estate. The wine is packed by 12 bottles cases

Unit weight 17 kg.

Unit case size : 57 cm x 38 cm x30 cm.

Cartons are palettized.

Different pallet sizes might be used according transport mode
however maximum number of lays is 6 high.

CP 9: 115cmx115 cmx15 cm for a dead weight of 18 kg

Euro pallet : 120 cmx80 cmx 17 cm for a dead weight of 22 kg

Different shipping routes exist :

1. First option with a distance of

2550 km, transport cost 1,08 € per km à charge, plus

Spanish and French tolls as well as cross ferry cost
between Tangier and Algeiras, amount of

ferry: 265 €.

Port tax : 25 €.

Motorway toll : 180€.

- 2 A second option is by sea by Comanav (Compagnie
Marocaine de Navigation) connecting Nador and Sete sea ports and offering
3 round trips a week. Sailing transit time is usually about 27 hours

By sea then 48 hours by road.

Comanav offers :

Trailer only or truck from 9,10 to 14,00 meters: 700 €

Driver accomodation (cabin) including 3 meals : 100 €

Road distances are

Meknes / Nador: 385 km with a cost of 0,85 € per km.

Sète/ Bruxelles: 1 220 km with a cost of 1,35 € per km motorways
tolls included.

3. latest option with a 40' sea container 40' through
Tangier and Zeebrugge, according to CMA CGM quotation

QUESTION 1

Build up a matrix decision comparing the three options in using 7 decision criteria including for instance ... price

Select the best offer

QUESTION 2

Fill the transport plan considering your transport choice.

Sales forecasts are about 390 000 bottles

Week number and number of bottles

Week 14 : 7 500	Week 22 : 15 000	Week 30 : 28 000
Week 15 : 7 500	Week 23 : 15 000	Week 31 : 20 000
Week 16 : 7 500	Week 24 : 18 000	Week 32 : 16 000
Week 17 : 7 500	Week 25 : 20 000	Week 33 : 16 000
Week 18 : 10 000	Week 26 : 22 000	Week 34 : 18 000
Week 19 : 10 000	Week 27 : 24 000	Week 35 : 17 000
Week 20 : 10 000	Week 28 : 26 000	Week 36 : 15 000
Week 21 : 10 000	Week 29 : 26 000	Week 37 : 12 000
		Week 38 : 12 000

CMA CGM Quotation

From Ex Works Up to FOB Tangier

Pick-up charge : 359 € per 20' / 442 € per 40'

Multi-stop customs 28 € / container

Bill of lading fee : 36 € per container

THC Tangier : 100 € / container

Security charges : 15 € per container

Sea freight

Basic freight Tangier Med to Antwerp or Zeebrugge 350 US \$/20' – 500 US\$/40'

Low sulphur charge : 10 \$/TEU (Twenty Equivalent Unit)

CAF : 13.93%

From gate out Antwerp to Brussels

Transport from Terminal to Brussels 450 €

Cleaning charges at destination 70 €

OTHER INFORMATION

Trailer size 13.40 x 2.43 x 2.65 m Load 24 t

40' dry container 12.01 x 2.33 x 2.37 m Load 22 t

COMANAV company Tangier / Sète and Nador / Sète

2 trips a week

Transit time 1 day and 3 hours

Ferries service in the straight of Gibraltar

Tangier / Algesiras

12 trips a day

Transit time : 1 hour