

AHT 25441 : Scope of Work- Supply of Potassium Hydroxide Bulk Solution

PetroSA SOC Ltd's GTL Refinery Mossel Bay site requires Potassium Hydroxide (KOH) for the onsite neutralisation of highly acidic material. The process is such that only KOH can be used.

The tender calls for the delivery to site of 100 tons of KOH, made up in a solution to 45% by mass and delivered to site to the Caustic and Acid Storage area.

The vendor will be responsible for:

- Sourcing the base material KOH
- Storage of the dry bulk material
- Dissolving and dilution of the KOH granules to make up a 45% solution for KOH by mass, including cooling the solution to an acceptable temperature for handling/ transport
- Transport, by bulk tanker, of the final solution to PetroSA GTLR Refinery site in Mossel Bay
- Offloading at the Bulk Caustic and Acid Storage Area (Unit 73)

Delivery will be measured at the site weighbridge. Delivery truck will be weighed on entry and exit and the difference will be the amount on which the billable mass is calculated.

Note the unit of measure in the material master, and that by which the supplier will be paid, is in DRY METRIC TON.

Therefore, if the delivery is 20 ton, and the concentration is 45% by mass KOH, PetroSA will pay for $20 \times 45\% = 9$ tons as KOH dry bulk.

Due to the associated liquid volume, the stock will be delivered in one batch consisting of several bulk tanker loads (either multiple tankers or one bulk tanker shuttling. PetroSA will agree with the vendor the target date for the commencement of delivery of the batch. The complete batch should be delivered within two weeks after the agreed commencement date.

The base material for the second batch should be kept at the suppliers premises.

Each tanker delivery must be accompanied by a COQ indicating % KOH by mass and contaminants. PetroSA reserves the right to perform testing in its own laboratory to verify the purity delivered.



The Petroleum Oil and Gas
Corporation of South Africa SOC Ltd
Reg. No. 1970/008130/07
151 Frans Conradie Road,
Parow, 7500
Private Bag X 5 Parow, 7499,
Republic of South Africa
Tel +27 21 929 3000
Fax +27 21 929 3266

The vendor is to ensure that the bulk tankers fittings are compatible with that of PetroSA's prior to delivery of the first batch.