



**British
Antarctic Survey**

NATURAL ENVIRONMENT RESEARCH COUNCIL

Specification document for purchase and delivery of:

4 x 20ft reefer containers - Brand new condition or as new condition

**1 x spares package to maintain the 4 x 20ft reefer containers for 2 years
– Brand new condition**

1 x Standard 20ft x 8ft x 8ft 6in Dry Containers – Brand new condition or as new condition

All the containers must be fitted with a valid CSC plate (Container Safety Convention)

We are looking to purchase the whole requirement from one supplier for logistical purposes.

Bidders should be aware, they will need to be able to supply both brand new and “as new” containers as a combination of both qualities of container may be purchased from the successful bidder.

It is imperative that the delivery of the 5 x 20ft container units and the spares package is made to Immingham Docks, North East Lincolnshire DN40 2LZ no later than 30th September 2015.

Halley VI Research Station is a £50m state of the art facility operated by the British Antarctic Survey on behalf of the National Environment Research Council. It is located on the edge of the British Antarctic Territory on the Brunt Ice Shelf and conducts world-leading research on issues of global importance.

Halley VI was specifically designed to be re-locatable in order to cope with the vagaries of the weather and climatic conditions, which include extreme temperature, wind, prolonged darkness and snow accumulation. It is possibly the most remote location in Antarctica, and is difficult to reach. The working season in Antarctica, the summer, is very short (typically three months at Halley Nov – Feb) and so detailed preparations have to be made well ahead of work being carried out. Deadlines occur many months in advance in order to allow equipment to be shipped to the station. The pace of work on station is frenetic in order to make full use of the very narrow window of opportunity presented by the environmental conditions.

These units and spares package are needed at Immingham docks (Grimsby) to meet the RRS Ernest Shackleton for delivery to Halley Antarctica. (Deadline 30 September 2015) They are

needed to transport and store food provisions for the station re-location. Failure to meet the shipping date will cause a delay to the project meaning the loss of a year of the project and associated costs and risks to infrastructure.

20ft reefer Container - Brand new condition or as new condition - Quantity 4

External dimensions are:

20ft x 8ft x 8ft 6in.

Refrigeration machinery is integral within these dimensions.

Internal Dimensions:

Length 5468mm

Width 2294mm

Height 2591mm

Door opening:

Width 2290 mm

Height 2264mm

Typical cube 28.4 cu. m

Construction:

Exterior:

Corten steel (or equivalent) frame, with either muffler grade stainless steel (MGSS) or aluminium side and roof panels.

Interior:

Stainless steel cladding to roof and sides. Aluminium 'T' section flooring.

Two full access doors at rear end lined with stainless steel.

Insulation properties:

Blown foam insulation (usually poly-urethane)

Refrigeration machinery:

Usual types:

Carrier

3-phase 380/440 v

Minimum temperature requirements

-25 / + 25 degrees C

Refrigerant must be R404A.

Spares package – Brand new condition

To contain manufacturer's recommended spares to maintain the 4 reefer containers for 2 years – excluding gasses.

**Standard 20ft x 8ft x 8ft 6in Dry Container – Brand new condition or as new condition -
Quantity 1**

Corten steel (or equivalent) frame and panels.

Minimum MGW 30480kg

Internal Dimensions

Length 5898 mm

Width 2352mm

Height 2393mm

37mm plywood floor.

Two full height doors at rear end.

All seals should be of good quality and all plating should be up to date.

Delivery **must be** available for all elements by **30th September 2015** to Immingham docks.