

SPECIFICATION RT57-03-01

THE SUPPLY AND FITMENT 15 TON/M HYDRAULIC MOUNTED CRANES FOR CONSTRUCTION

1. DUTY

The cranes shall mainly be used to on and off load 6m containers and should have the capacity to execute this task.

The trucks equipped with a hydraulic pump the cranes must be fitted on shall be supplied to the successful bidder by the Department.

2. CRANE(S)

Fully hydraulically operated cranes shall be suitably mounted on the trucks between the back of the cab and body.

The crane shall be so designed as to fold up hydraulically and not interfere with the cab or body.

The crane shall be supplied with outriggers on either side to stabilise the truck when lifting maximum loads. The outriggers shall extend horizontally by hand and vertically by means of hydraulic cylinders.

The outriggers shall have large pads for work in soft ground.

Crane control levers shall be fitted to operate on either side of the truck and so that a person standing on the ground can operate the crane.

A separate hydraulic oil tank with filter and sight glass and having a capacity of not less than 90 litres shall be fitted.

The slewing arc shall not be less than 360°.

The following minimum fittings shall be provided:

- (i) Relief valves to prevent overloading
- (ii) Load holding valves to prevent the lad falling in the event of hydraulic failure.

All hydraulic fittings shall be machine crimped and numbered.

All hydraulic rams shall be hard chromed and micro finished.

Note: Alternative offers which feature lesser performance than that specified WILL NOT be considered.

The crane mass should not exceed 1 800 kg.

The capacity of the crane shall not be less than:

- (i) 6 200 kg at 2, 3 m radius
- (ii) 2 300 kg at 6,1 m radius

Each crane shall have a maximum horizontal reach of not less than 6,1 metres.

3. STANDARD EQUIPMENT REQUIRED

A set of operating and spare parts manuals must be provided.

Sufficient lubrication oil/grease of all types requires for initial filling must be supplied with the crane.

A list of the equivalent lubricants in South Africa must be provided.