

SPECIFICATION RT57-03-09-02

HOOKLIFT FOR 10TON PAYLOAD TRUCK

A hooklift, of robust construction, fitted with a PTO driven hydraulic system, that must be able to load and off load different containers as well as for tipping containers, complying to the following is required: -

1. POWER TAKE-OFF

The power take-off must be suitable to drive the hydraulic system that provide for all the hydraulic controls and operational requirements.

Particulars of offer: _____

The power take-off should automatically disengage before the vehicle moves off. Any similar protection for the PTO may also be offered.

Particulars of offer: _____

A clear audible and light must be fitted to warn the driver when the PTO is engaged.

Particulars of offer: _____

2. REAR PANEL:

A recessed rear panel manufactured from mild steel of not less than 2mm over the full width of the body to house a chevron, number plate and rear light assemblies is required.

Particulars of offer: _____

3. MUDGUARDS:

Sturdy, firmly braced mudguards must be fitted behind and in front of the rear wheels.

Particulars of offer: _____

4. FINISH:

All metal shall be thoroughly cleaned and primed and painted with two coats of prime and good quality automotive enamel to match the departments colour spec.

Particulars of offer: _____

HOOKLIFT DETAILS

1. LIFTING CAPACITY

The Hooklift must have an operational lifting capacity of at least 16,000kg.

Maximum lifting capacity: _____ kg

2. HOOKLIFT PARAMETERS

The Hooklift must have a telescoping arm as to allow for the accommodation of different container sizes.

Telescoping arm (Yes/No)

Standard length _____ mm

Maximum length _____ mm

Hooklift unit mass _____ kg

The Hooklift must have an adjustable height that can be either manual or automatic. The variable height adjustment must allow for the positioning of the hook at least two (2) predetermined positions.

Variable Height	(Yes/No)
Number of hook positions	_____
Automatic or Manual adjustment	_____

3. OPERATIONS

Maximum height when tipping	_____
Maximum Height when loading	_____
Maximum height when travelling (unloaded)	_____
Minimum distance between container and truck chassis is required for travelling stability.	
Container chassis clearance:	_____

CONTAINER LOADING

1. ROLL-ON

The container should be able to roll on and off the back of the truck. Thus rollers are required at the back of the truck, to assist in the loading of the container. The container should rest on top of a set of rails on the truck.

Rollers used	(Yes/No)
Number of rollers	_____
Number of Rails	_____
Rail width	_____
Distance between rails	_____
Extra details on Container Loading:	_____

2. HIGH WEAR COMPONENTS

Wearing components need to be manufactured out of durable material, in order to decrease maintenance on the Hooklift systems.

Particulars of offer: _____

3. CYLINDERS

The Hooklift should use at least two cylinders. One for operating the main lift, and the other for operating the hook stick.

Details of cylinders for operating the Hooklift:

Main lift:

Hook Stick:

4. CONTROLS

The operation of the Hooklift should be controlled from inside the cab of the truck. These controls should be able to be manually overridden by control valves if required. Alarm and warning lights should be provided as warning tools for the operator.

Cab controls: (Yes/No)

Control valves present: (Yes/No)

Control Valve Manual Override: (Yes/No)

Control warning tools: (Yes/No)

Warning Tools provided:

SAFETY

1. HOOK SAFETY

A hook lock should be used to close the hook opening when travelling.

Hook lock used: (Yes/No)

Details of lock

2. SAFETY MECHANISMS

Safety mechanisms should be implemented into the functioning of the truck so as to prevent accidents such as the container falling off the truck or the truck tipping over during on/off loading.

Safety Mechanisms included

3. STABILITY

If needed, sufficient stability calculations should be made regarding the operation of the Hooklift on the truck platform provided. Therefore, adequate measures should be taken in ensuring maximum stability of the system during operation.

These would include the fitment of axle stabilizers to the rear axle on mechanical bogey. Also rear roller stabilizers should be fitted on trucks with air suspension.

Particulars of offer: _____

OPTIONAL EXTRAS

Please quote on the following as optional extras

The following is a list of the specific required container units.

1. Open top container for top loading with double rear doors.
2. Refuge container for backside loading with double rear doors.
3. Container to use as office space must have office space and storage space.
4. Open container with drop-sides for side loading.
5. Any additional containers available can be note below

All of the containers should be compatible to the size of the chassis being used.

Containers available and details:

PARTICULARS OF OFFER

A detailed sketch or full drawing of the body and containers offered, showing all leading dimensions, must be submitted with tender.

Particulars of offer: _____