

GARBAGE COMPACTOR TRUCKS

#	Item Description	الوحدة Unit	الكمية Qty.	سعر الوحدة \$ Unit Price \$	الاجمالي \$ Total \$ price	وصف البند
1	Supply and delivery a compact garbage truck of capacity 8 cubic meters, accordance to the attached specifications, to be delivered to IOM warehouse in Marib governorate. The offer also includes logos painting and providing a simplified training course for the Hygiene improvement fund drivers on how to use the truck, in addition to preparing an instructional guide in the Arabic language	عدد Pic.	3			توريد و توصيل شاحنة قمامة ضاغطة فراصة 8 متر مكعب ،الى مخازن المنظمة بمحافظة مارب ،بحسب المواصفات المرفقة ، والسعر يشمل عمل الشعارات و عمل دورة مبسطة لسائقي صندوق النظافة بطريقة استخدامهما مع عمل دليل ارشادي باللغة العربية.

TECHNICAL SPECIFICATIONS

Weight: kg

Total GWR: 13,000 KG
Cab: C, (Short) AC, Radio with CD
Drive type: 4*2 left-hand drive
Cab capacity: 3 persons
Production Year: Not less than 2022

Engine:

Model: EURO 5
Type: 6-cylinder in-line, diesel with common
Displacement: more than 5000 cc
horsepower: 190 hp
Max. Torque: 800 Nm
Turbo charger, Intercooler
Extended radiator and intercooler
Visco fan with high cooling output with control

Gearbox:

6 speed synchronized range gearbox.
Clutch type: Single - Plate clutch

Axles:

Differential - Lock in rear axle

Suspension:

Front: springs parabolic
Rear: springs parabolic

Tyers:

R 17.5 (6+1) pcs
10 m tire inflator hose with pressure gauge
Jack 12 ton, hazard waring sign & lamp, 1 chock

Brake System:

Type: Hydraulic Break
ABS (Antilock Braking System)
Parking brake acting on rear axle

Steering:

Steering wheel with Hight & inclination
adjustment

1.GENERAL

TYPE	REFUSE COLLECTION BODY
CAPACITY	8 CuM.
HOPPER CAPACITY	1.5 CuM.
GARBAGE PAYLOAD (500kg/cbm)	~ 3 Ton
COMPACTION RATIO	UP TO 4:1 (depending on the type of Waste)

2.BODY

BODY FLOOR	5mm (S355J2)
BODY SIDES	4mm (S355J2)
BODY ROOF	4mm (S355J2)
BODY TYPE	CURVED SLEEK BODY TO ENSURE ADEQUATE STIFFNESS AGAINST COMPACTION FORCE.

3.TAILGATE

HOPPER CAPACITY	1.5 CuM.
HOPPER STEEL THICKNESS	6 mm (HARDOX 400)
HYDRAULIC CONTAINER LIFTING DEVICE	SUITABLE FOR MANUAL LOADING
LIFTING OF TAILGATE	BY TWO DOUBLE ACTING HYDRAULIC CYLINDERS FITTED WITH HOSE BREAK VALVE. MECHANICAL LOCKING DEVICE FOR MAINTENANCE WORKS.
SEAL	SPECIALLY DESIGNED SEAL TO ENSURE NO LEAKS BETWEEN BODY AND TAILGATE
Loading cycle	Not more than 45 seconds
ADDITIONAL EQUIPMENT	TWO FOOT BOARDS WITH HANDLE PER WORKER, ONE HALOGEN WORK LIGHT ON TAILGATE, TWO ORANGE BEACON LIGHTS ON TAILGATE

4.POWER TAKE OFF

P.T.O	TRUCK CHASSIS TO BE EQUIPPED WITH TRANSMISSION P.T.O(PREFER DIRECT MOUNTING)
TORQUE	300 – 350 NM

5. HYDRAULIC SYSTEM

OIL TANK	METALLIC TANK OF MINIMUM 120 liters WITH ANTI-SURGE BAFFLES, BREATHER FILLER, RETURN LINE FILTER WITH CLOG INDICATOR & SUCTION & DRAIN LINE.
HYDRAULIC PUMP	TANDEM GEAR PUMP (ROTATION SENSE - TRUCK DEPENDENT)
HYDRAULIC CYLINDERS	ONE DOUBLE ACTING MULTI STAGE CYLINDER FOR EJECTION, TWO DOUBLE ACTING CYLINDERS FOR LIFTING OF TAILGATE, TWO DOUBLE ACTING CYLINDERS FOR EACH PACKER PLATE & CARRIAGE PLATE,
PIPES & HOSES	HYDRAULIC STEEL PIPES & FITTINGS (EN 853)
MAX. PRESSURE OF HYDRAULIC CIRCUIT	180 - 200 BAR

6. OPERATION CONTROLS

CONTROL PANELS	<p>TRUCK CABIN: P.T.O ON/OFF, ROTATING BEACON, REAR WORKING LIGHT & POWER FOR COMPACTION ON/OFF.</p> <p>BODY : TAILGATE UP/DOWN & EJECTION PANEL CONTROL FORWARD/REVERSE(OPTIONAL)</p> <p>TAILGATE : MANUAL OPERATION: COMPACTION</p>
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7. PAINTING

SURFACE PREPARATION & COATING	<p>GRIT BLASTED TO SA 2.5 (SWEDISH STANDARD)</p> <p>ONE COAT OF EPOXY PRIMER WITH ONE COAT OF EPOXY FILLER.</p> <p>TWO COATS OF EPOXY FINISHED PAINT IN DESIRED COLOUR.</p>
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8. WARRANTY

WARRANTY	ONE YEAR AGAINST ANY MANUFACTURING DEFECT, guarantee the availability of spare parts in the local market or provide them if necessary.
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