

## 1-TWO STAGES TENDERING

Oil products distribution company (state co.) belong to the ministry of oil of Iraq invites the manufacturer companies from west Europe countries exclusively and the official authorized agent to participate in two stages tendering process to supply the below mentioned tender :-

Item no.	Tender no.	details	Date & closing time	Tender price	Date of answering meeting
1	BD/F/10/2011	LPG TANKERS LOAD (10TON) QTY. (20)	SUNDAY 30-10-2011 8.00 am. -12.00 am.	50 USD UNREFUNDABLE	Thursday. 20-10-2011 AT 10.00 am.

Oil products distribution company (OPDC) will be used two stages tendering process to implement the a/m tender as the first stage will be designated to the process of examination , evaluation and qualification the competition companies offers ( technical offers only) in the second stage of this process (OPDC) will invite the qualified companies to perform the tender and present their commercial offers .

Whoever desire to participate in this competition and examine tenders` documents shall refer to the OPDC'S headquarter located in iraq – Baghdad – al Duora approach al Duora refinery or visit ministry of oil website ( [www.oil.gov.iq](http://www.oil.gov.iq)) and OPDC website ([www.scopd.com.iq](http://www.scopd.com.iq)) Tender documents can be collected from OPDC'S headquarter – (finance box section ) from 8.00 am -12.00 pm after presenting letter of participation addressed to central foreign purchasing dept.

Note:-

- 1- offers without tenders receipt are unacceptable
- 2- OPDC will hold a meeting for answering the questions of the tender as mentioned above .

**ENQ. NO. BD/F/10/2011**

**CLOSING DATE: SUNDAY 30-10-2011**

**BASIC SPECIFICATION FOR LPG TANK TRUCK 10 TON QTY.(20)**  
HEAVY -DUTY 6X4 TRUCKS  
**MANUFACTURE DATE UP TO DATE**

**TRUCK ORIGIN:-**

MERCEDES OR MAN - GERMANY  
RENAULT – FRANCE  
SCANIA OR VOLVO – SWEDEN  
IVECO – ITALY  
ACCORDING TO EURO 2 OR EURO 3 REGULATION

**TANK ORIGIN:-**

WEST EUROPE

**ENGINE:**

- 4 STROKE DIESEL ENGINE INTER-COOLER SYSTEM INJECTION TURBO-CHARGED ENGINE
- NOT LESS THAN ( 300) HP.
- WATER –COOLED, TROPICAL DUTY COOLING SYSTEM.
- AIR CLEANER APPROPRIATE FOR ENVIRONMENT DUSTY.
- FUEL SYSTEM (DIRECT INJECTION ) WITH WATER SEPARATOR.

**EXHAUST SYSTEM:**

- THE EXHAUST ARRANGEMENT SHOULD BE REPLACED AT THE FRONT OF THE ENGINE DISCHARGE.
- THE GASES TOWARDS THE LEFT SIDE OF THE TRUCK ADDITIONALLY SPARK ARRESTOR IS TO BE FITTED AT THE END OF THE EXHAUST SYSTEM OR BUILT.

**TRANSMISSION:**

AUTOMATIC – SEMI AUTOMATIC OR MANUAL SYNCHRONIZED TRANSMISSION

**CLUTCH:**

ACCORDING TO THE TYPE OF TRANSMISSION

**STEERING:**

L.H.D. POWER ASSISTED.

**SUSPENSION:**

HEAVY- DUTY LEAF SPRINGS WITH SHOCKABSORBER.

**AXLE:**

- FRONT AXLE (7 – 8 ) TON
- REAR AXLE: - HEAVY – DUTY PAYLOAD NOT LESS THAN(12 TON)

**WHEELS AND TYRES:**

- DISK OR TRILEX TYPE.
- TYRES SIZE 1200 R 20(18P-R) OR 315/80R22.5 (18P-R) OR 12R22.5 (18P-R)  
STEEL RADIAL FOR HIGH WAY.
- SPARE WHEEL AND TYRE TO BE PROVIDED.

## **BRAKE SYSTEM:**

- DUAL INDEPENDENT CIRCUITS FULLY PNEUMATIC WITH AUTOMATIC SLACK ADJUSTERS.
- SPRING LOADED HAND BRAKE.
- EXHAUST BRAKE WORK BY FOOT SWITCH OR HAND OPERATED
- WITH (ABS) SYSTEM

## **ELECTRICAL:-**

- 24 VOLT SYSTEM
- ALL OTHER STANDARD EQUIPMENT TWO 12 VOLT –BATTERIES
- ELECTRICAL NETWORK SHOULD BE FLAME –PROOF
- TWO AMBER CORNER LIGHT ON CAB ROOF
- EMERGENCY BLINKING LIGHT
- ROTATING AMBER LIGHT ON CAB ROOF
- CIRCUIT BREAKER FOR BATTERY
- ALTERNATOR ACCORDING TO DESIGNER .

## **CAB: -**

- HEAVY DUTY SLEEPER TYPE CAB HEATING AND VENTILATING SYSTEM WITH MULTIFAN SPEED.
- SUSPENSION TYPE FULLY SPRING ADJUSTABLE DRIVERS SEAT
- LAMINATED TYPE WIND SCREEN
- AIR-CONDITIONING SYSTEM AMBIENT TEMP 50 C°.
- SIDE AND REAR MIRRORS

## **FUEL TANK: -**

- CAPACITY NOT LESS THAN(300 LITERS)
- LOCKABLE FILLER CAP

## **MISCELLANEOUS: -**

- RADIO + CD PLAYER FITTED INSIDE CAB
- COMPLETE SET OF TOOL KIT
- 30 TON HYDRAULIC JACK
- TWO FIRE EXTINGUISHERS OF 12 KG ( FITTED OUTSIDE CAB) .
- AIR HOSE LENGTH (10M)
- MUDGUARD SIDE AND TOP ABOVE REAR AXLE WITH SPLASH
- WATER TANK CAPACITY 60 LITER
- SPECIAL REINFORCED REAR BUMPER

## **TANK CONSTRUCTION:-**

THE TANK OF L.P.G WILL BE FIXED BY BOLTS ON THE CHASSIS OF TRUCK AND ISOLATED BY RUBBER FROM THE CHASSIS .

# SPECIFICATION FOR LPG TANK

## VESSEL

- 1-TO be constructed according ASME code sec .VIII DEV .2. OR VIII DEV .1. or Ad- merkblatt
- 2-Water capacity of the tank (23) cubic meter.
- 3-Design working pressure(22) BAR
- 4-design temperature (-20)to(+70)c
- 5-Test pressure as code.
- 6-The tank shall be provided with at least one anti-slash baffle, made of folded plate (3)mm thick according to ADR.
- 7-The tank shall be covered with sunshade made of plate 1.5 mm Thick shading the upper half of the tank (50)mm away from the tank .
- 8-the dish (end) must be one piece.

## OPENING ON THE TANK

- 1-One banded manhole (500) mm dia . closed by a cover kept in place by studs on the band at rear of the tank .on the plate shall be welded an inversed bottom with the following .
  - A- One nozzle neck for rotating gauge size (1") dia.
  - B- One nozzle neck for temp .Indicator size (½") dia.
  - C- One nozzle neck for manometer size (¼") dia and valve size (¼") dia for pressure .
- 2- One liquid phase (3") diameter .
- 3- One vapor phase(2") dia.
- 4- One drain valve (1") dia .At the lowest point of the tank .
- 5-Nozzle neck for emergency upper of the dish size (2") dia provided with ball valve and protect cover according to (NFPA) or ADR.

## Valves and fittings

To comply with NFPA OR ADR regulation and include the following :-

- 1-two safety valve set at design pressure
- 2-One rotar gauge size (1") dia.
- 3-One temp .Indicator (-30 to +80 c )
- 4-pressure gauge (0-40) bar.
- 5-hydraulic valve size (3") for liquid phase.
- 6- hydraulic valve size (2") for vapor phase.
- 7- One valve ( 3" ) for liquid phase ball valve with adaptor (3"x3/4") ACME male made of brass.
- 8-one valve (2") for vapor phase ball valve with adaptor (2"x3/4") ACME male made of brass.
- 9-Drain valve ( 1" ) incorporated with excess flow valves .
- 10-rubber strip for earthing with piece of brass at the end

## **PAINT WORK**

According To International Standard

### **EMPTYING SYSTEM**

- THE TANK TO BE SUPPLIED BY EMPTYING SYSTEM INCLUDING THE FOLLOWING:-

- 1-BLACKMER OR CORKEN ROTARY SLIDING VANE POSITION PUMP FITTED WITH INTERNAL RELIEF VALVE AND FOOT MOUNTED . DESIGN APPLICATION WITH (60-120) GPM AT (100) PSI DRIVEN BY HYDRAULIC MOTOR.
- 2-HYDRAULIC MOTOR.
- 3- HYDRAULIC PUMP DRIVEN BY POWER TAKE-OFF FROM THE TRANSMISSION DIRECTLY.
- 4-CONTROL DISTRIBUTION .
- 5-POWER REWIND HOSE REEL WITH 25M-1 1/4 LPG HOSE , ACME,COUP.
- 6-REWIND HOSE REEL WITH 25M LPG HOSE FOR GAS PHASE.
- 7-DRUM FOR HYDRAULIC OIL.
- 8-NECESSARY ACCESSORIES SUCH AS (VALVES,SAFTY VALVE,GAUGE STRAINER,BY PASS VALVE ,EXCESS FLOW VALVE.....ETC.)