REQUEST FOR QUOTATION
FOR 18 MT LPG ROAD TANKER

SKS LPG hereby requests for proposal from all bonafide local and international companies for supplying LPG Road Tanker and related equipments as specified below:

Sl.no	Item	Quantity	Holding Capacity
1	LPG Road tanker/ Bobtail (including trailer, Flow meter and unloading pump)	1 Nos	18 MT LPG / ±38,600 Ltrs Water

Details specification and other commercial information can be collected from SKS official website: www.senakalyan.org

COMMERCIAL SCOPES:

DELIVERY	:	Please mention.
DELIVERY PERIOD	:	Please mention.
PAYMENT TERMS	:	By Irrevocable LC (or bank transfer in case of local supplier).
WARRANTY PERIOD	:	At least 18 months needed.
BG/PG	:	Suppliers must submit a 5% of total product price as performance guarantee/bank guarantee to be held during the warranty period.
LD	:	The submitted PG will be used as LD in case of failure in scheduled delivery without valid reason.
DOCUMENTATION	:	5 sets of as built fabrication drawings copy along with Complete set of tank file folder with mill test reports of steel and the original copy of inspection reports and certificates issued for tank must be submitted.

For any queries, Please reach out to:
Email: *commercial.skslpg@gmail.com*, Mob: *+8801769056321 / +8801769059717*

Interested firm/companies are requested to submit their signed **HARD COPY** commercial proposal (with technical specification) by **04 December 2026**, from 10am to 3pm in a dedicated drop box kept in the below office :
SKS LPG (Head office): Business Division-2, Sena Kalyan Sangstha, SKS Tower (Level-10), 7, VIP Road, Mohakhali, Dhaka-1206,
or **BY EMAIL** to the aforementioned mail IDs.
SKS LPG reserves the right to cancel this selection process without assigning any reason whatsoever.

Head of Business Division-2
Sena Kalyan Sangstha

TECHNICAL SPECIFICATION FOR 18 MT LPG ROAD TANKER WITH TRAILER, FLOW METER AND UNLOADING PUMP

A. GENERAL REQUIREMENT:

MODEL	:	LPG TANKER
STORAGE CAPACITY	:	18MT at 85% of full tank capacity
WATER CAPACITY	:	38.5 M^3/ 38,600 Ltr
SERVICE	:	LPG
DESIGN CODE	:	ASME SEC VIII DIV I
DESIGN PRESSURE	:	17.0 ±1.00 KG/CM^2 + 3G EFFECT
DESIGN TEMP	:	-20°C TO +60° C
TEST PRESSURE	:	27 Bar
CORROSION ALLOWANCE	:	0.5 mm
JOINT EFFICIENCY	:	1
RADIOGRAPHY	:	All Butt Weld Seams Will Be 100% Radiographed.
POST WELD HEAT TREAT	:	Fully Stress Relieved For The Complete Tank.
POST-DELIVERY TRAINING & MAINTENANCE SERVICE	:	Mandatory seller's scope.
CLEANING & PAINTING	:	Sandblasting With SA 2.5, Painted With Under Coat & Polyurethane Based White Top Coat. Min. Total Thickness: 200-225Microns Final Coat Shall Be White. Logo and design as per buyer's choice
TYPE OF ENDS	:	2:1 Semi-Ellipsoidal Heads (As per ASME Sec VIII Div 1, Rule UG-32)
OVERHEAD SUNSHIELD	:	Top aluminium radiation heat shield over the upper-tank shell.

B. DIMENSIONS :

OVERALL LENGTH	:	± 9540 mm
INNER DIAMETER OF SHELL	:	± 2320 mm
SHELL LENGTH (TL-TL)(L)	:	± 8239 mm
SHELL THICKNESS	:	14 mm ± 1 mm
DISHEND THICKNESS	:	14 mm ± 1 mm
MANHOLE	:	18" MANHOLE AT REAR END OF THE TANK.
BAFFLES	:	MIN 3 NOS. X 6 MM THICK (per ADR/NFPA 58)
ULTRASONIC EXAM	:	YES
LIQUID PENETRANT EXAM	:	YES

C. MATERIAL OF CONSTRUCTION:

SHELL /DISHEND : SA 516 GR 70 /EQUIVALENT QUALITY

PRESSURE VESSEL STEEL PLATE : SA 516 Grade 70 Normalized Steel Plate with full MTRs. ArcelorMittal, POSCO, Nippon Steel, Dillinger (Western EU/South Korea/Japan Origin)

FLANGES : ASTM A 105 X ANSI B16.5 /EQUIVALENT QUALITY

COUPLING : ASTM A 105 X 6000 /EQUIVALENT QUALITY

PIPES : SA 106 GR B /EQUIVALENT QUALITY

FASTENERS : SA 193 GR L7/ SA 194 GR 2H /EQUIVALENT QUALITY

GASKET : Spiral Wound SS316 Gaskets With Graphite /PTFE Filler or Compressed Non-Asbestos Fiber (CNAF).

WELDING : SAW/SMAW/GTAW/ARC with post-weld Heat treatment; the welding Grooves Should Comply with Standard and Full Penetration Should Be Provided in Weld Seams. Welding Must Be Carried Out Only By Qualified Welders

D. RUNNING GEAR :

- SUSPENSION : The Suspension Should Be Of Heavy Duty And Built By Silico- Manganese Steel. York/BPW/SAF-Hollad (German/US/Singapore Origin)
- PAY LOAD : ± 25,000 kgs
- ABS : with ABS.
- AXLE : Heavy Duty 3 Axles Group (12-ton rating/axle) With Dual Mounted Tyres, Each Of Which Should Be Minimum 12 Tons With Decreasing Profile Spindles. York/BPW/SAF-Hollad (German/US/Singapore Origin)
- BRAKE : Double Circuit Two-Line Pneumatic System / Electronic Braking System (EBS) with Roll Stability Control.
- PARKING BRAKE : Manually Operated Parking Brake. Type 30/30 Spring Brake System On Rear Axles.
- DRIVEWAY INTERLOCK SYSTEM : Mechanical/Pneumatic brake interlock tied to the rear cabinet door.
- WHEELS : 10 HOLES 10.0 -20 WHEEL.
- TYRE : 10 R20 x 12NOS + 1 SPARE
- KING PIN : 2” KING PIN
- AIR TANK : MINIMUM CAPACITY 2 X 50 LTRS
- LOCKABLE TOOL BOX : To Be Welded To The Running Gear
- TYPE : HEAVY DUTY

E. LANDING LEG:

Mechanically Operated With Universal Base Plate.

- York/BPW/SAF-Hollad (German/US/Singapore Origin) (Two Speed Manual Operation Type With Sand Shoe)
- The Static Capacity Should Be Of 50 ± 5 Tons and the Dynamic One of 24 ± 5 Tons.
- One Side Operation By Means Of Levers with Two Speed System.

F. ELECTRICAL SYSTEM:

VOLTAGE	:	24 VOLTS	
RECEPTACLE	:	7 WAYS	
LIGHT	:	Front Marker Lamp	: White
		Side Marker Lamp	: White And Red
		Rear Lamp	: Red
		Turn Signal Lamp	: Amber
TYPE	:	Led & Water Proof	

- ✓ Location of Four Lights on Each Side Of The Semi-Trailer. Each Light should Be White Facing the Front and Red Facing the Rear.
- ✓ Tail Light, Indicators, Blinkers with Number Plate Light and All Standard Accessories should Be Provided.
- ✓ Must provide Tail Light Protection by Mesh.

G. PRIME MOVER INTERFACE SCOPE (Applicable if prime mover included in quotation):

HYDRAULIC WET KIT	:	The Prime Mover must be retrofitted with a transmission Power Take-Off (PTO) gearbox, direct-mounted hydraulic pump, 60-80 L Hydraulic oil reservoir with cooler, flow regulator valve, and in-cab engage controls.
COUPLING ALIGNMENT	:	Fifth-wheel height must be set to 1,250 mm – 1,350 mm under load to interface with a standard 2” forged kingpin.
	:	Standard 7-pin 24V electrical receptacle and dual-line pneumatic “glad hand” brake connectors with ABS/EBS power feeds.

LIST OF SAFETY FITTINGS TO BE PROVIDED ON TANK:

Safety relief valve	2 Nos., 2" NPT, Dial pressure/temp (IP65) REGO/ROCHESTER/WIKA/ EQUIVALENT QUALITY (US/EU Origin)
Hydrostatic Relief Valves	Inline Hydrostatic Safety Valves between all isolatable piping sections. REGO/FISHER/EQUIVALENT QUALITY
Internal Excess flow valve for liquid inlet & Liquid Outlet	2 Nos., 2" NPT, REGO/FISHER/EQUIVALENT QUALITY
Internal Excess flow valve for vapor	1 No. 1 ½ " NPT, Pneumatic Internal ESV with thermal fusible links. REGO/FISHER /CAVAGNA/ EQUIVALENT QUALITY
Pressure gauge	1 No., 3/4"NPT , Dial 0-35 Kg/cm2 , Dial pressure/temp (IP65) REGO/ROCHESTER/WIKA/ EQUIVALENT QUALITY (US/EU Origin)
Excess Flow valve for pressure gauge	1 No., 3/4" NPT , REGO/EQUIVALENT QUALITY
Temperature gauge	1 No., ½ " BSP, Dial 0-100°C , Dial pressure/temp (IP65) REGO/ROCHESTER/WIKA/ EQUIVALENT QUALITY (US/EU Origin)
Roto gauge	1 No., 1" NPT Dial 0-100%, REGO/EQUIVALENT QUALITY
Magnetic level gauge	1 no . 8" DIAL , Roughrider Gauge ROCHESTER/EQUIVALENT QUALITY
Fixed high level gauge	1 Nos., ¼" NPT REGO/EQUIVALENT QUALITY
Pneumatic Internal Emergency Shut-off valve (ESV) for liquid inlet & Liquid outlet	2 Nos., 2"" NB. Must feature thermal fusible links (melting at 98ºC - 104 ºC) and dual quick-release triggers at the front bulkhead and rear valve box.
Pneumatic Internal Emergency Shut-off valve (ESV) for and vapor line	1 Nos.,1.5 " NB. Must feature thermal fusible links (melting at 98ºC - 104 ºC) and dual quick-release triggers at the front bulkhead and rear valve box.
Manhole	Dia- 18" (On Rear End)
Acme adaptor	2 Nos 2 ¾" for liquid inlet &outlet 1No 2 ¼" for vapor.
Earthing cable	20 Meter Earthing Cable with Cable Drum and Earthing Clip. Heavy-duty Automatic Retraceable Grounding Cable Reel with a bronze clamp at both ends of the tank will be properly lengthed to touch ground/road.

LIST OF ACCESSORIES TO BE PROVIDED WITH TANK:

Tank stairs	MS Stair Case will be fitted with the tank
Unloading pump	**1 Nos Sliding Vane Unloading pump with hydraulic motor drive, Flexible power cable (30 Meter), power socket, and explosion proof motor capacity 350-400 LPM complete with necessary piping. BLACKMER/CORKEN (US/EU origin)**

Pump Drive Mechanism	Must be driven by a trailer mounted heavy-duty hydraulic motor. The front bulkhead must feature flat-face, drip-free hydraulic quick-disconnect couplings (pressure, return, and case drain) to interface with the prime-mover's hydraulic wet kit system.
Flow meter	**Corioless Mass flow meter with vapor trap & differential pressure valve complete with control system. ATEX/IECEx Zone 1 certified. Endress+Hauser/Micro Motion, Yokogawa (German/US/Japan Origin)**
Support saddles	Welded fixed steel saddles as per design requirement.
Earthing cleat	Heavy-duty Automatic Retraceable Grounding Cable Reel with a bronze clamp at both ends of the tank will be properly lengthed to touch ground/road.
Ladder	1nos CS at External
Lifting lug	2 Nos. welded lugs for the tank as per requirement of the Design Code.
Fire extinguishers	2 Nos. Portable ABC Dry Powder Extinguishers will be fitted properly.
Manuals, Spare Parts & Tool Box	Manuals: Required Two sets (Each Type) 1. Operation & Safety 2. Maintenance both in Hard & Soft Copy.
Tool Box	As per standard
Accessories	Two fenders /Two bumpers /One spare tire fixing places /Mud flaps /Manual type spare wheel carrier
Tank Manifold Cover	MS Box with good paint to avoid rust for valve box & bobtail equipment's with locking arrangement.
Delivery hose pipe	15 Meter 2" Flexible Hose pipeline with 2" cufflink at head
Hose Storage	Lockable stainless steel/aluminum side hose tubes for storing the 15-meter 2" flexible unloading hose during transit.

H. REGULATORY APPROVALS, IMPORT & QUALITY ASSURANCE:

a. PRE-SHIPMENT DESIGN CLEARANCE : The foreign fabricator must submit full engineering design calculations and fabrication drawings for prior review and formal approval by the Department of Explosives, Bangladesh (DoE-BD) before starting production.

b. THIRD PARTY INSPECTION : Product Must Be inspected neutrally and Thoroughly By Authorized Third Party Free From Any Obligation to Either Party (BV, TUV, Lloyd's register or DNV) and must submit certificates authorized by the said third party-

- Mandatory shop-floor inspection
- Checking & Approval of Design & Calculation
- Radiographic Control
- Nitrogen Purging confirmation
- Penetration Die Test
- Hydrostatic Test
- Gauging for Tank

c. MARITIME TRANSPORT PROVISION : Dedicated heavy-duty lifting lugs, chassis tie-down eyes for RRORO/LOLO shipment, and protective anti-corrosion wrap.

d. MANUFACTURER STAMPING : Permanent stainless steel ASME code nameplate detailing MAWP, test pressure, tare weight, max payload weight, serial number and fabrication date attached to the vessel shell.

e. Hazardous Area Certification : The vessel/Tank must carry necessary Hazard signs stamped/painted in a visible area as per regulations of BERC and DoE-BD. All electronic components- including the flow meter, electronic registers, displays, transmitters and cable glands – must carry ATEX / IECEx Zone 1 (Group IIA/IIB) Explosion-Proof Certification.

I. COMMERCIAL SCOPES:

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