

OIL & GAS DEVELOPMENT COMPANY LIMITED
PROCUREMENT DEPARTMENT, ISLAMABAD
FOREIGN SECTION E

(To be completed, filled in, signed and stamped by the principal)

ANNEXURE 'A'

Material WIRELINE LOGGING TRUCK
Tender Enquiry No PROC-FE/CB/WL-4134/2018
Due Date
Evaluation Criteria FULL

SCHEDULE OF REQUIREMENT

Sr No	Description	Unit	Quantity	Unit Price (FOB)	Total Price (FOB)	Unit Price C & F BY SEA	Total Price C & F BY SEA	Deviated From Tender Spec. If Any
1	Wireline Logging Truck as per attached TOR / Annex	Number	1					

Note:

NOTE:

1. Bid bond; - Pursuant to tender clause # 2.2, 11.4, 13 & 35.3.2, bid bond amounting USD 24,000/- (United States Dollar Twenty Four Thousand only) or equivalent in Pak Rupees should be submitted with the technical bid.

2. Foreign Procurement Payment Terms (also available at OGDCL website (Tenders Tab)

Tender value less than or equal to US\$ 200,000:

Payment to the Contractor/ bidder in foreign currency shall be made by establishing in favor of the Contractor an irrevocable Letter of Credit (hereinafter called the L/C). 70 % Payment (s) under the L/C will be made for the FOB/ CFR / CPT (as the case may be) price of material of each shipment upon submission of the shipping documents. Balance 30% Payment will be released after receipt, inspection and acceptance of material.

Tender value more than US\$ 200,000:

Payment to the Contractor/ bidder in foreign currency shall be made by establishing in favor of the Contractor an irrevocable Letter of Credit (hereinafter called the L/C). 80 % Payment (s) under the L/C will be made for the FOB/ CFR / CPT (as the case may be) price of material of each shipment upon submission of the shipping documents. Balance 20% Payment will be released after receipt, inspection (in addition of pre-shipment inspection) and acceptance of material.

3. Evaluation Criteria: - FULL CONSIGNMENT WISE ON CFR (BY SEA) KARACHI BASIS. Bidder to quote UNIT PRICE and quantity of each recommended spare part in FINANCIAL BID ONLY. Unpriced list to be provided with Technical Bid. Spare Parts shall not be part of evaluation.

4. Shipment from ACU member Countries:- In case of shipment from ACU member countries, the LC beneficiary should be of that particular country from where the consignment is being shipped.

5. Terms and conditions:-Bidders are advised to carefully read all the terms and conditions of the Tender Document available at OGDCL website in the master tender document and attached technical Terms & Conditions.

6. Delivery Period: 09 months

NOTE TO SUPPLIER / MANUFACTURER

The manufacturer / supplier has to ensure the following

- SOR specifications are the minimum standards; the Logging truck should be of latest category at the time of quote.
- All necessary rig up accessories, handling tools, cables required for logging operations and maintenance must be quoted.
- Items deemed necessary to carry out Logging operations (except surface system / downhole tools) to be quoted.
- Comprehensive warranty of equipment for 12 months from date of commissioning / 18 months from date of shipment whichever falls later.
- Delivery time is 9 months after issuance of LOI / establishment of LC.
- Operational and maintenance manuals, two sets each in English, shall be provided with bid document.
- Provide Technical support and spares back up for at least 10 years.
- The unit must be pre-wired for ***ECLIPS S-II Concurrent configuration***.

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TERMS OF REFERENCE (TOR)

Scope of Work

- Wireline Logging Truck (01 No.) wired for ECLIPS S-II concurrent configuration is required for open hole, cased hole logging operations and perforation jobs.

Eligibility/Requirements

The manufacturer:

- Must have minimum of 20 years' experience (National/International) of manufacturing and sale of logging units (must include sale to established Wireline Logging companies viz Baker Hughes, Schlumberger, Halliburton, Weatherford etc and to countries other than manufacturers).
- Must have ISO 9001 certification as per industry standard.
- Must be capable of providing required equipment **as per Annex. A.**
- **3S Local support** for logging truck must be available in Pakistan.

Inspection and Testing / Third Party Certification

- The inspection and testing of truck will be carried out at manufacturer's facility by two OGDCL technical professionals. Expense excluding Airfare, boarding and lodging will be borne by the bidder.
- This inspection will be tied up with Equipment inspection / Specification verification by Third Party Certification Company.
- The manufacturer will arrange third party equipment inspection and testing / specification verification from the OGDCL's approved Third Party Certification Company. OGDCL will inform manufacturer about Third Party Company and expense incurred in this regard will be borne by OGDCL.



Commissioning

- Installation / Commissioning of Truck at OGDCL Wireline logging Base I-9, Islamabad and testing at well-site will be carried out by manufacturer at **no charge to OGDCL**. However, for field testing, inland transportation and accommodation will be provided by OGDCL.
- Any item, if required during commissioning at I-9 Base or Well-site, to be ensured and shall be arranged by the manufacturer at their cost.

Spares

- Necessary spares / Consumables for 3 years to be quoted (list of spares with itemized cost is required). However, this will not be part of financial evaluation.

Training

- Training of two logging Technicians on maintenance of Truck for a period of two weeks at manufacturer's facility.

Evaluation of Proposals

- The technical proposal will be reviewed to determine the responsiveness according to information vide **Annex. A**. Technical proposals not conforming to and deviating from the specifications and conditions laid down in the Tender Documents will be considered non-responsive.



Technical Bid Evaluation Criteria

- The prospective bidders shall be evaluated as per following criteria.

Descriptions	Point Value	
	Score	Section %
Equipment		50%
<ul style="list-style-type: none"> • Bids as per laid down specification of Logging Truck. 	50	
Supplier's Experience & Support		20%
<ul style="list-style-type: none"> • Experience in manufacturing of Logging trucks for twenty years. (<i>Documentary evidence required</i>) 	10	
<ul style="list-style-type: none"> • Technical support of Logging truck for five years. 	10	
Manufacturing History		15%
Logging Trucks manufactured / sold during last 10 years. (<i>must include sale to established Wireline Logging companies viz Baker Hughes, Schlumberger, Halliburton, Weatherford etc and to countries other than manufacturers. Also, the sale record should include Logging Units wired for ECLIPS system</i>) <ul style="list-style-type: none"> • 50 plus = 05 • 75 plus = 10 • 100 plus = 15 	15	
Local Support		15%
<ul style="list-style-type: none"> • 3S Local support of quoted truck / chassis available in Pakistan 	15	
TOTAL POINT VALUE	100	100%
TECHNICAL QUALIFICATION (Minimum Score)	75	

- The bidders obtaining less than **75%** on the aggregate or **0%** marks in any criteria shall be considered Non-Responsive and will not be considered for Financial Evaluation.

Note:

- *Documentary evidence in support of above is essentially required.*
- *The Bidder must submit technical bid complete in all aspects i.e. necessary certifications, complete technical literature, documentations etc.*

Heavy duty 6 x 4 Wireline Logging Truck (COE)

Chassis: MAN TGM / TGS with Crew cab (6 passenger seats including driver) or equivalent

Engine capacity: min 270 Kw (360 HP)

Engine Specs: Min Euro III or higher

Transmission: Auto

Drive: Right hand driven


Tyre size: 16.00R20 both front and rear

Preferably same rim type front and rear

Fuel tanks: 600 liter min capacity

The logging truck consists of the following major operating assemblies:

- Truck Chassis with Diesel Engine
 - Logging Cabin and Winch Compartments
 - Winch and Generator Hydraulic System Circuits
 - Electrical Distribution System
 - Pneumatic System
 - Measuring head System
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- The chassis consists of a conventional truck chassis, rails, axles and driveline with a power take-off (PTO) used to turn the generator and drum winch hydraulic system pumps.
 - The logging cabin consists of electronic winch controls to operate the winch system, logging equipment and controls, dehumidifier, AC/DC power controls and storage cabinetry.
 - External boxes are mounted to the body for radioactive source, generator, power connection and work tool storage. Internal tool racks are mounted in the winch bay and between the chassis rails to store and protect Wireline tools.
 - Power from the truck's engine is used to turn the PTO which in turn delivers power to the winch and generator hydraulic circuits with hydraulic pumps. Closed Loop hydraulic system consists of pumps, lines and motors coupled with an Auburn or equivalent gearbox.
 - The reel and frame assembly consists of the Wireline drum and frame, drum brake and spooling assembly. The drum assembly consists of a Wireline cable mounted on a removable frame to allow for the drum to be adjusted or changed out.
 - A 30-kW hydraulic generator (110V 60Hz) supplies AC electrical power to the unit. An integral regulator and speed controller are utilized to adjust the power output according to electrical load requirements and engine speed.
 - The pneumatic system supplies the air to air bags and line oiler. The measuring head guides the Wireline on the drum and sends tension, speed and depth data to the operator's panel and acquisition system.



Detail specification of truck as below:**1. Van Body Exterior**

- Aluminum Van Body- Roadside cabin door with window. Lon seal non slip flooring with sound deadening sheet underneath the plywood.
- Exterior storage boxes as per industry standard with key locks, door hold backs. Two storage boxes should have slide out trays and three be with drawer cabinet having split shelf. The compartments should be illuminated with LED lights.
- Heavy duty slide-out cabin entrance step with light and non-slip steps & storage in the body
- Safety grab handle at cabin door & rear body
- Heavy duty rear bumper with storage step, tow pin and (1) receiver type vise mounts.
- Heavy duty front bumper with tow point
- Spare tire storage at rear with hydraulic lifting and lowering at curb side
- Winch lights to illuminate winch bay and drum area
- 04 LED flood lights at Rear header wall to illuminate general work and rig floor.
- 01 LED flood light above cabin door and 02 No's upper level curb side
- At least 03 No's of Underbody 5.5"x22' (min) Tool Storage with rollers and airbags.
- Curbside Tool Rack Storage: -- 4 No's of 5.5" x 10' (min), 6 No's of 3.5" x 10' (min) Tool Racks with Rollers and Airbags.
- Roadside Tool Rack Storage: -- 4 No's of 5.5" x 10' (min), 6 No's of 3.5" x 10' (min) Tool Rack with Rollers and Airbags.
- Heavy duty canvas winch compartment curtain (white) removable / foldable with aluminum slat supports, tie down straps and aluminum tailboard.
- Van body access door for drum collector slip ring.
- **Remote Camera's**:- One Camera in Winch Bay, one on exterior roadside, both viewable from Monitor installed in Truck Cab.
- Floor-mounted racks for 02 No's WTI 36" wireline sheave wheels.
- Logging Unit primed and painted to Customer color specification, mud flaps & decals installed.

2. VAN BODY INTERIOR

The cabin should have the following:

- Powder coated cabinets & power enclosure with radius corners, Engineer table with counter top, brushed anodized aluminum walls, perforated drop ceiling with sound



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absorption foam, LED indirect lights under cabinet, Normal interior LED lights and "Night Light" (Blue), intercom with microphone (rig up), AM/FM/CD radio, cushion customer seating, mobile Operator's chair and mobile Engineer's chair with tie down, micro wave & coffee maker.

- 04 Nos Roof mount 13,500 BTU 120V air conditioners, 2 with 1,500 W heater element (Ducted for Engineer's cabin and ECLIPS Logging surface system)
- One liquid heater with 12V powered fan.
- Sliding Hoistman's window with safety glass & pull down sun shade.
- Cabin Dehumidifier.
- Cabin interior pressurization fan assembly with heavy duty filter (12or 24 VDC operated from truck cab).
- **Operator Console panel** equipped with winch drum controls, emergency engine shut down, Engine Speed Controls truck engine throttle, Benchmark panels **ALSA102** and **ALS9A240** for depth & tension (as backup), drum rotation counter display (DRC), Generator Switch to start and stop the generator, necessary gauges to display hydraulic system pressure, Generator Charge Pressure, Air Pressure, Hydraulic System Hours, Hydraulic Oil Temp, Line Tension (torque control), Generator Switch, Engine Stop switch, **Power-View Engine Monitoring Panel**, Opening provided to mount **5712XE** Hoistman's panel (Hoistman Panel 5712XE can be quoted as optional).
- **DC / AC Power distribution panels** equipped with all circuit breakers and necessary digital gauges to display information (i.e. voltage, current, frequency etc.)
- Dual Safety switch for explosive job.
- **Interteck PM205 or Hanson 205D** potential monitor panel.
- EMCOR system rack (3-rack system) with mounting bases shocks & shock brackets for **BHI ECLIPS (Concurrent Configuration)** Surface system installed towards backside of crew cab / opposite to operator console panel.

3. SIGNAL WIRING & SURFACE SYSTEM COMPONENTS

- Wiring should be complete in all respect for **BHI ECLIPS (Concurrent Configuration)** Surface system i.e. all Rig up cables to **Signal box** to **I/O box**. From **I/O box** to **Operator Console panel** and to System racks with **3044 DUAL SIGNAL ROUTING PANEL** (Baker Hughes) and **3045 DUAL LINE LOG/SAFE SWITCH** (Baker Hughes). Both 3044 & 3045 Panels are optional.
- Signal Connection Box for ground, speaker, load pin, WPM, and SP cables. All cables should be at least 250 ft long.
- IEC Open Hole collector ring with drum rotation counter display (DRC).
- Exterior Raceway for all rig up system related cables (optional).



4. DRUM PACKAGE & HYDRAULIC SYSTEM

- OPEN HOLE NON MAG chain drive single drum package with 8000 meter of 0.474" multi-conductor Camesa cable 7H47RTZ-EHS with magnetic marks at 25 meter intervals.
- Electric over hydraulic Winch and Generator system. Winch must have automatic emergency shutdown mechanism. The Hydraulic override / backup system activate in case of an electrical systems failure.
- **AUBURN or equivalent** gearbox. Chain drive sprocket between motor/gearbox assembly and drum.
- Hydraulically operated drum brakes on both sides.
- 125cc (min) variable displacement pump for Winch circuit.
- 115cc (min) variable displacement motor for Winch Drum.
- 56cc variable displacement pump for Generator circuit.
- 32cc fixed displacement motor for Generator.
- Gear pump for spare tyre deployment and lifting spooling arm.
- Water separator / lubrication system on Hoistman air.
- Hydraulic oil reservoir (45 GAL/ATF-F) with temperature gauge / warning light and heavy duty cooler with SPAL brushless fan with temperature sensor. There should be an optional bypass switch for always ON service.
- Wireline corrosion inhibitor spray and chain lubrication system.

5. DEPTH MEASUREMENT

- Benchmark (AM5K with dual encoder, integrated tension) measuring head with magnetic mark detection and intensifier and should be pre-wired up to Operator Console panel.
- Overhead spooling system with automatic traverse.

6. AC / DC ELECTRICAL POWER

- 30 KW Marathon or Harrison 120 VAC/60 Hz (Single phase P.F Φ 1.0) hydraulic Generator.
- 120 VAC and 12 VDC supply system.
- **Speed Control:** Denfoss MC 2420 or equivalent winch pump speed controller for winch and generator speed control.
- **House Power Inlet:** Plug access beside generator compartment.
- **Power Outlets:** 3 Rack ECLIPS compatible Power Outlets, 13 utility sockets for miscellaneous devices.



7. RIG UP & ACCESSORIES

- Aluminum air jack, 27.5 ton capacity.
- Sheave wheel mounting brackets for WTI 36" sheaves.
- Safety placard set (installed).
- Wheel chocks, safety triangle kit, 5 lb fire extinguisher, first aid kit.
- Tool box with all necessary tools for basic unit maintenance and simple repairs (list required).

In addition to above following must be included in rig up and accessories:

WTI 36" HD Composite Sheaves for 15/32" cable rated to 12.5klbs line tension	02
WTI 36" HD Composite Sheaves for 0.474" cable rated to 12.5klbs line tension	02
Sheave hanger assembly to hang the sheaves to top drive elevator rated to 25klbs	01
Chain for rigging up lower sheaves rated to 10klbs	01
Safety chain / safety bar for sheave hanger assembly	01
Chain shackle rated at 15klbs	02
Cable protector goose neck for E-line head	01
Dual hook chains for rigging up wireline tools	03
Cable load cell plus min 250ft cable	01
T-bar with inserts for 15/32" and 0.474" cable (interchangeable) rated to 15klbs tension	02
Short tool stands stackable and 1.5ft high reach rated to 500 lbs load	12
Grease gun	01
Multimeter Fluke with ruggedized carrying case	01
Mega ohm meter Fluke with carrying case	01
Wire rope cutter with replacement blades	01



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Mud resistivity instrument mounted inside Engineer's cabin for water based mud readings (both mud and mud cake)	01
Chair task angle back with adjustable seat height, revolving. Herman Miller or equivalent	02
Line wiper for wireline cable with 15/32" and 0.474" OD Cable with air and water injection points	01
Speaker (two way intercom with 250ft cable)	01
Make up tool plate and stand for rig floor of min 2 ft height for connecting wireline tools at rig floor	01
C Spanner (Pin wrench) for connecting wireline tools	04
Parmalee Wrench 3-3/8" and 3-5/8"	02+02

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The financial bid must contain itemized price of the following:

- Open hole Non-Mag drum
- Electromechanical Cable
- Measuring head
- Hydraulic Generator
- Coleman 13500 BTU air conditioner
- IEC Open hole Collector ring
- Sheave Wheels

Moreover, necessary spares and consumables for 03 years operation to be quoted (list of spares with itemized cost is required). However, they will not be part of financial evaluation.

Training Cost to be quoted separately and it will not be part of financial evaluation.

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