

CLARIFICATION

TENDER ENQUIRY NO. PROC-FE/CB/ML-4841/2020

MUD LOGGING UNITS

Query: What do you mean by Thermal Wax bath?

Reply: It is Electric heating wax box for coring.

Query: What do you mean by Micro Sole? Is it the Micro Sol Decal soln?

Reply: it is not Micro Sol Decal soln: It is Equipment to measure Mud Density in Shale formation.

Query: What is a cutting gas detector?

Reply: A special blender used to blend the shale cutting and extract the Hydrocarbon if any, its output gas line is connected with Chromatograph for analysis.

Query: Regarding to the "Tele-transmission (Real time data transmission from well site to town office)", different oil company has different preference to accomplish this function. Is there any existing net work atmosphere to support this function? To be exact, is there existing Local Area Network(LAN) or existing internet between the well site and town office?

Reply: Real Time Operation (RTO) software must be compatible for both environment LAN and Static IP (WAN).

Query: Also, there is a conflict in Instructions to bidder clauses; reproduced below:

All equipment must be covered with replacement of spares under ONE YEAR WARRANTY (Start from date of testing of unit at well site) & five years availability of spares and accessories.

Backup support for two years after testing at no cost to OGDCL.

One clause requires a one year warranty whereas, the other clause states back up support for two years; please clarify.

Reply: One year warranty coverage of spares AND two years backup support of technical professional for smooth operation.

Query: Eligibility criteria requires the manufacturer to have DNV CN 2.7.1 and 2.7.2. And DNV 2.7.2 is for offshore containers .

Do OGDCL require Mud Logging unit for offshore or onshore?

Reply: DNV2.7-1 and DNV2.7-2, both certifications are required.

Query: Sensors must be EEX type explosion proof whereas in brackets it is mentioned Ex proof for Zone 0 or Zone 1. Please clarify.

Reply: It is clear in Clause-5 of TOR that the requirement of all sensors is EEX type must be explosion proof for both Zone0 and Zone1.

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Query: As per their Technical Specifications, the Mud Logging Units shall be "Certified with reputed DNV-CN 2.7-1 & 2.7-2 Industry Standard". We have checked this point with DNV, and they confirmed that the certification DNV-CN 2.7-1 and 2.7-2 does not exist; the certification has to be done by DNV GL according to the Standard DNVGL-ST-E271. Kindly advice?

Reply: Actual term of certification is DNV 2.7-1 and 2.7-2 and no matter of any organization term GL or CN.

Query: We also request you to kindly extend the bid submission date from November 10, 2020 to November 26, 2020, the reason we seek this extension is due to reduced workforce and second waves of Covid-19, which have restrict the resources and manpower.

Reply: Tender documents were uploaded on October 07, 2020 and the bid submission date is November 10, 2020 hence sufficient time is allowed for the bid preparation/ submission. Therefore, no extension is recommended please.

Additionally OGDCL website may be visited for any clarification regarding Tender documents etc. please.

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Query. 1.2#DNV 2.7-2 is for Electronic standard of offshore activity. We think it is not necessary to have DNV2.7-2 standard mudlogging unit which works in Pakistan. Please kindly confirm if it will be used in offshore. Anyway, we can supply DNV2.7-2 mudlogging unit, it will cause the price increase dramatically, and DNV inspection will affect the delivery time.

Reply: As concern with Mud Logging Cabin it should be A0 rated material for Zone1 and DNV2.7-1 & DNV2.7-2 both certification is mandatory as per TOR.

Query. 1.2#Please confirm the size of such mudlogging unit (Cabin), normally it should be 24ft, 27ft.etc, without certain size, we cannot quote accurate price.

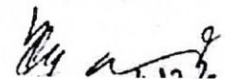
Reply: Normally, Industry standard size is equal or above L=27ft, W=8ft H=9ft, less then this dimension is not acceptable.

Query. 8.3# Environment gas detection system with sensors, please clear with more details.

Reply: Gas detector to detect Toxic gases (Poisonous by inhalation) and combustible from environment.

Query. Delivery period: 90 days from establishment of LC.DNV 2.7-2 certification cost 60+ days, so 90 days for delivery is not enough.

Reply: DNV certification and delivery of consignment is a bidder responsibility to parallel route accordingly.



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Query: Page 3 of bid document > 1. Mud Logging Cabin:

Required quantity for ML Cabins is 7 while required quantity of ML Units is 8. Does it mean that 7 ML Cabins will be used for 8 ML Units or does it mean that the 8 ML Units will come with 7 ML Cabins and additional 7 ML Cabins are also required? Please clarify.

Reply: 07 No. Mud Logging units / Cabins along with fully equipped system and 01 Mud Logging system without cabin for base Lab are required.

Query: Page 7 of bid document > 7 Geological Equipment > 7.3 Micro Sole:

What is Micro Sole and what logging functions and indicators need to be met?

Reply: It is used to calculate the Mud Density in Shale formation under drilling fluid.

Query: Page 7 of bid document > 8 Hazardous & Supplementary Gases Detection System > 8.4 Cutting gas detector:

Cutting Gas Detector (Gas blender working with gas system) complete with accessories: What are the logging functions and indicators that need to be met?

Reply: A special blender used to blend the Shale cutting and extract the Hydrocarbon if any, its output Gas line is connected with Chromatograph for analysis.

Query: Page 5 of bid document > 2.14/2.15 Training cost will not be the part of financial evaluation:

Please clarify if training cost for 4 weeks needs to be added and mentioned separately in the financial bid?

Reply: Per head training cost for four weeks at manufacturer's facility is required to be quoted separately. The training cost will not be the part of financial evaluation.

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| Query | Clarification |
|---|---|
| DNV-CN 2.7-1 & 2.7-2. The correct terminology should be DNV GL 2.7-1 & 2.7-2, please clarify. | Actual term of certification is DNV 2.7-1 and no matter of any organization term GL or CN. |
| DNV 2.7-1 and 2.7-2 is for Cabinet (Container), So the Certification is applicable on Container Manufacturer. Please clarify. | Yes, DNV 2.7-1 & 2.7-2 is for container certification by manufacturer. |
| DNV 2.7-2 is for offshore; please kindly confirm the end use? | It's up to user but you have to provide DNV 2.7-1 and 2.7-2 it must be use of zone-1 area, onshore harsh environment and pressurized unit. |
| Please Note DNV 2.7-1 & 2.7-2 is not a standard certificate like ISO or API. It is an inspection report for each container with Serials Number, case by case. If you want this certificate for this cargo, we can only supply after award of contract. During the tender process, we can only share history certificates for reference. | The standard certification is concerned with all types i.e. structural welding code, cabin steel wall thickness, protected with fire resistant, lifting rings, lifting slings and meet the requirement of offshore movements. |
| There's no information about dimension of mud logging cabin. Please advise. | Dimension of mud Logging cabin must be as per industry standard. |