

OIL INDIA LIMITED
RAJASTHAN FIELD
JODHPUR

AMENDMENT No. 1 DATED 30.08.2024
To TENDER No. GEM/2024/B/5283718

This amendment against Tender No. GEM/2024/B/5283718 is issued as under:

- A.** Amendment in SOW & SCC is enclosed as Annexure-I.
- B.** The Bid Closing/Technical Bid Opening Date of the Tender is extended as:

Bid Closing Date & Time:	10.09.2024 at 15-00 hrs. (IST)
Technical Bid Opening Date & Time:	10.09.2024 at 15-30 hrs. (IST)

C. Clarifications on bidder's queries are enclosed vide Annexure-AA to Annexure-BB as below:

- (i)M/s. Oil Field Instrumentation (India) Pvt. Ltd.: Annexure-AA
- (ii)M/s. Jindal Drilling & Industries Ltd.: Annexure-BB

D. All other Terms & Conditions remain unchanged.

Note: Bidder's are advised to take a note of above while preparing and submitting their bid.

Annexure-I

Amendment in Scope of Work and Special & Terms Conditions of Contract

Sl. No.	Clause No.	Existing Clause	Amended Clause
1	PART-3: SECTION-II , SCOPE OF WORK, 3.0 SPECIFICATIONS FOR MUD LOGGING UNIT, 3.5.7 Flow Rate In and Out	3.5.7 Flow Rate In and Out a) Flow rate in Accuracy : $\pm 1\%$ b) Range : 0 to 1200 gall./min. (calculated) c) Flow rate out Sensor : Potentiometric, paddle type, Proximity d) Flow rate out Accuracy : (+/-1%) e) Range : 0 to 100% flow	3.5.7 Flow Rate In and Out a) Flow rate in Accuracy : $\pm 1\%$ b) Range : 0 to 1200 gall./min. (calculated) c) Flow rate out Sensor : Potentiometric, paddle type, Proximity, Ultrasonic d) Flow rate out Accuracy : (+/-1%) e) Range : 0 to 100% flow
2	PART-3: SECTION-II , SCOPE OF WORK, 3.0 SPECIFICATIONS FOR MUD LOGGING UNIT, 3.5.21 Portable X- Ray Diffraction	3.5.21 Portable X-Ray Diffraction: Contractor shall provide portable X- Ray Diffraction (XRD) unit with necessary software for quick identification of mineral composition of cuttings/cores. The desired sample should be prepared for the mineral composition analysis. The XRD unit should be equipped to identify major mineral phases like Quartz, K-Feldspar, Plagioclase, Calcite, Dolomite, Pyrite, Anhydrite, Apatite, Total clay etc. XRD interpretation result should be updated in real time basis on the logs. The following specifications or higher should be provided: a) Cycle time : 25 mins b) Accuracy : $\pm 5\%$ c) Sample grain size : <150 micron d) XRD software : Should be capable to search and match the results with ICDD PDF database or equivalent	Requirement of Portable X-Ray Diffraction is deleted from Scope of tender. Clause No. 3.5.21 Portable X-Ray Diffraction is deleted.
3	PART-3: SECTION-III,	2.4 The Company will not be responsible for transportation of Bidder's personnel. Bidder shall arrange all the transportation of its personnel to drilling site at the time	2.4 The Company will not be responsible for transportation of Bidder's personnel. Bidder shall arrange all the transportation of its personnel to drilling site at the time

<p>SPECIAL TERMS & CONDITIONS OF CONTRACT,</p> <p>2.0 PROVISION OF PERSONNEL AND FACILITIES,</p> <p>2.4</p>	<p>of Rig Up of MLU in a particular drilling well or during crew change or from well site back to Jodhpur after Rig Down of MLU or for any other specified visits. Company's personnel will be provided Food & well-site accommodation at Company's cost to carry out Mud Logging Service..</p>	<p>of Rig Up of MLU in a particular drilling well or during crew change or from well site back to Jodhpur after Rig Down of MLU or for any other specified visits. Bidder's personnel will be provided Food & well-site accommodation at Company's cost to carry out Mud Logging Service..</p>
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CLARIFICATION AGAINST TENDER NO. GEM/2024/B/5283718 FOR HIRING OF MUD LOGGING SERVICE

Sl.No.	Tender Section, Clause Reference	M/s. OFI's Query	OIL's Response
1	PART-3 – SECTION - II - SCOPE OF WORK - Page 1 - Real-time data transmission to client office on a dedicated PC to be provided by the Bidder along with internet service of minimum 2 Mbps bandwidth.	OFI confirms to transmit MLU data to Oil India office through WITS format, however internet provision will be responsibility of company. Please confirm the same is acceptable.	Not Agreed. Please be guided by the tender. The internet provision & dedicated PC will be provided from Bidder side for Real-time data transmission to OIL's office.
2	PART-3 – SECTION - II - SCOPE OF WORK– 3.1 - The unit should not be more than 2years old on the bid closing date and transportable in oilfield truck.	OFI confirms to provide Mud Logging Unit for Zone 1 hazardous area which will not be older than 2 (two) years from the date of refurbishment. Please confirm the same is acceptable.	Not Agreed. Please be guided by the tender.
3	PART-3 – SECTION - II - SCOPE OF WORK– 3.5.6 - Mud Pit & Trip tank Volumes (As per provisions on rig) including Sand Traps	As a standard, we provide seven (7 Nos) of sensors including Trip Tank. Please confirm the same is acceptable, additional sensors will be at additional cost.	To fulfill Scope of Work. Please be guided by the tender.
4	PART-3 – SECTION - II - SCOPE OF WORK - 3.5.21 - Portable X-Ray Diffraction:	<p>a) OFI would like to point that X-Ray Diffraction service cannot be provided in isolation. X-ray Fluorescence is required for a successful identification and interpretation of mineral assemblages in the samples. In lieu of the same we request OIL to add X-Ray Fluorescence in the scope of work. Please confirm the same is acceptable.</p> <p>b) Please confirm X-Ray Diffraction –X-Ray Fluorescence as an optional service or to be quoted in Standard services as separate line item.</p> <p>c) Kindly specify number of days of utilization spread over period of contract.</p>	<p>Clause No. 3.5.21: Portable X-Ray Diffraction is deleted from Scope of Work of the tender.</p> <p>Please refer to the amendment issued.</p>

5	PART-3 – SECTION - II - SCOPE OF WORK – 9.5 - List of Personnel	OFI shall provide 12 crew names for main and back up crew for all 3 positions of DE, ML & SC and will strive to maintain the same numbers as approved crew during the duration of the contract. Please confirm the same is acceptable.	SC is not required as it will be provided from Company's side. Not Agreed. Please be guided by the tender.
6	Mud Logging - Personnel	As a standard we deploy 2 –DEs, 2 – MLs and 2-SCs (6 men crew) in order for smooth uninterrupted services. Please confirm the same is acceptable.	SC is not required as it will be provided from Company's side. Not Agreed. Please be guided by the tender.
7	PART-3 – SECTION – III – Special Terms & Conditions – 2.4 - Logistics	Please confirm that accommodation, meals and transport from Base to rig site, will be the responsibility of Company.	Transportation will be responsibility of the Bidder. Accommodation & Meals will be provided at the Rig site by the Company. Please refer to the amendment issued.

CLARIFICATION AGAINST TENDER NO. GEM/2024/B/5283718 FOR HIRING OF MUD LOGGING SERVICE

Sr. No.	Page No	Clause	As per Tender documents	M/s. Jindal's Exception /Clarification	OIL's Response
Part – 2: Bid Evaluation Criteria					
1	BEC	1.6 BEC and 14.0 SCC	MOBILIZATION PERIOD: Bidders must confirm to complete mobilization within 45 days from the date of issuance of LOA(Letter of Award) or issue of Mobilization Notice from OIL.	Please increase mobilization period to 120 days from 45 days as 45 days for mobilizing the MLU is very short and most of the equipment's delivery time will be more than 10-12 weeks.	Not Agreed. Please be guided by the tender.
Part – 3 Section – II, Scope of work					
3	SOW	2.0 Scope of Service	Real-time data transmission to client office on a dedicated PC to be provided by the Bidder along with internet service of minimum 2 Mbps bandwidth. Submission of the all the reports to be made in the Format provided by the company.	If Internet service facility available at drilling site then will provide dongle, otherwise Internet facility provided by OIL.	Not Agreed. Please be guided by the tender.
4	SOW	3.5.7	Flow Rate In and Out a) Accuracy : $\pm 1\%$ b) Range : 0 to 1200 gall./m c) Flow rate out Sensor : Potentiometric, p d) Flow rate out : (+/-1%)Accuracy	Make provision for Potentiometer or Ultrasonic in. (calculated) addle type, Proximity	To fulfill Scope of work of the tender. Please refer to the amendment issued.

			e) Range : 0 to 100% flow		
5	SOW	3.5.10.e	<p>Installation, operation and Maintenance of necessary hardware and software for aggregation of all data acquired by the mud logging unit and third party data in REAL TIME (WITSML 1.4 or higher) from well site to specified Operator Locations or third parties. Real time data transmission here implies transfer of data from sensors in real time and not transmission of data indirectly through download and then transfer. Bidder must provide additional bandwidth of 2 Mbps dedicated for real time data transmission along with WITSML store access link, user ID and password. Bidder must provide necessary software(s) with multiple user ids (minimum 10 nos.) for remote viewing of mud logging and third-party data in real time at operator's office/remote location with scroll back facility.</p>	Please clarify the WITSML requirement wants only data transmission from Wits 0 to Witsml or any other further requirements	<p>Requirement has been explained in the Scope of work .</p> <p>Please be guided by the tender.</p>
6	SOW	3.2.12.iii)	<p>ii) Hydrogen carrier gas for FID/TCD equipment or Hydrogen Generator. For back up, a Gas Chromatography with explosion proof electric or pneumatic degasser motor with agitator mounted on degasser trap with facility to prevent mud and moisture from entering the gas suction line should stand by along with a backup cylinder/bottle of hydrogen carrier gas or a backup hydrogen generator</p>	Modify back up will be provided by eitherHydrogen generator or Cylinder.	<p>To fulfill scope of work. Please be guided by the tender.</p>

7	SOW	3.5.21	<p>Portable X-Ray Diffraction: Contractor shall provide portable X-Ray Diffraction (XRD) unit with necessary software for quick identification of mineral composition of cuttings/cores. The desired sample should be prepared for the mineral composition analysis. The XRD unit should be equipped to identify major mineral phases like Quartz, K-Feldspar, Plagioclase, Calcite, Dolomite, Pyrite, Anhydrite, Apatite, Total clay etc. XRD interpretation result should be updated in real time basis on the logs. The following specifications or higher should be provided:</p> <ul style="list-style-type: none"> a) Cycle time : 25 mins b) Accuracy : ± 5% c) Sample grain size : <150 micron d) XRD software : Should be capable <p style="text-align: right;">search and match the results with ICDDPDF database or equivalent</p>	Modify the specification as Details	<p>Clause No. 3.5.21: Portable X-Ray Diffraction is deleted from Scope of Work of the tender.</p> <p>Please refer to the amendment issued.</p>
8	SOW	5.0	<p>Accessories 5.8 Audio system with microphone (1 nos.)</p>	Please clarify Requirement of Microphone & audio system.	<p>Audio system with microphone to be used in case of making any announcement like doing mock drills or emergency</p> <p>Please be guided by the tender.</p>

9	SOW	5.0	5.7 Internet connection preferably wifi dongle with adequate (1nos.). Internet connectivity in the MLU for datatransmission should be 2 Mbps or more	If network facility available at drill site	To fulfill scope of work. Please be guided by the tender.
10	SOW	5.0	5.10. Signal booster (1 nos.)	Please clarify purpose of use	As most of the operations are in the remote area, signal booster is required for seamless communication. Please be guided by the tender.
11	SOW	8.4.5	vi). Core Log should be prepared in 1:200/1:500 scales during coring	Please Modify Core Log to Core repot. Core report will be prepared after recovery of core. Core Reportcontain Segment no, Length of core and Lithological description. Etc.	Here, core log includes the report (Segment no, Length of core and Lithological description) after recovery plotted with the logs taken like Handheld spectral gamma ray. Please be guided by the tender.
12	SOW	9.5	The Bidder will provide a listing of personnel with detailed Bio-data with recent Photograph and Police Verification Certificates in original (valid for 1 year) and Medical Examination Certificate/Form 'O' (valid for 2 years) as per standard (please check for OISD or any other standard) (HSE) performing the mud logging services described earlier and get approval from Company to deploy that crew. The Company reserves the right to accept or reject the Bidder's proposed personnel. The Bidder will assign one set of mudlogging crew for operations in the Company rigfor a	Modify to Appropriate no of persons four. /MLU Please replace with Appropriate no of persons to be provided by bidder during operations	Appropriate no. of persons have been mentioned in Scope of work. Please be guided by the tender.

			<p>particular well and will follow on/off pattern as per the statutory provisions.</p> <p>A list of at least 16 personnel should be provided by the bidder with 50% comprising of data engineer and 50% mud loggers. All the personnel should be interviewed by OIL at Jodhpur before going to Well site for the first</p>		
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Part – 3 Section – III, Special Terms and conditions of contract

13	STCC	8.2	<p>Following will be penalty for non-performance in different categories if not rectified within the stipulated period:</p> <table border="1"> <thead> <tr> <th>Non-Performing Category</th> <th>Penalty</th> </tr> </thead> <tbody> <tr> <td> <p>Breakdown of MLU unit in any of the below mentioned fields –</p> <ul style="list-style-type: none"> i) Incomplete crew* ii) Non-functioning of Online PC that records the data from sensors. iii) Breakdown of two or more sensors mentioned (Toque, RPM, ROP & Pit Level) iv) Non-recording of essential data including failure to take backup. <p>* Incomplete crew implies less than 4personnel/ any one of four crew exceeding the numberof days at site asper the statutory provisions</p> </td> <td>No Charge</td> </tr> </tbody> </table>	Non-Performing Category	Penalty	<p>Breakdown of MLU unit in any of the below mentioned fields –</p> <ul style="list-style-type: none"> i) Incomplete crew* ii) Non-functioning of Online PC that records the data from sensors. iii) Breakdown of two or more sensors mentioned (Toque, RPM, ROP & Pit Level) iv) Non-recording of essential data including failure to take backup. <p>* Incomplete crew implies less than 4personnel/ any one of four crew exceeding the numberof days at site asper the statutory provisions</p>	No Charge	<p>Request to amend the clause is as follows:</p> <ul style="list-style-type: none"> i) Incomplete crew*- Penalty- Nocharge to be replaced with deductions of 10% or less % of day rate . ii) Breakdown of two or more sensors No charge to be replaced with pro-rata charges accrding to the weightage of Noof sensors/ equipments. 	Not Agreed. Please be guided by the tender.
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<p>Breakdown of MLU unit in any of the below mentioned fields –</p> <ul style="list-style-type: none"> i) Incomplete crew* ii) Non-functioning of Online PC that records the data from sensors. iii) Breakdown of two or more sensors mentioned (Toque, RPM, ROP & Pit Level) iv) Non-recording of essential data including failure to take backup. <p>* Incomplete crew implies less than 4personnel/ any one of four crew exceeding the numberof days at site asper the statutory provisions</p>	No Charge								