

## **Sun Petrochemicals Private Limited**

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**No. SunPetro/Bhaskar/4D Seismic A&P/2025-26/SPPL-230/Bulletin-2 Date: 16.09.2025**

### **BULLETIN #2**

**Sub: Hiring of Agency for Acquisition & Processing of 4D Seismic data for SunPetro's Bhaskar Field in Gujarat.**

**Ref: Tender No.: SunPetro/Bhaskar/4D Seismic A&P/2025-26/SPPL-230**

**Sun Petrochemicals Private Limited (SunPetro), hereby authorized following amendment / clarification in the above referred RFQ/ Inquiry:**

Sl. No.	Clause no.	Exceptions / Modifications / Clarifications / Bidder Queries	SunPetro response
1.	General question	Bidder's request: Due to the time-consuming process of Bid Bond issuance and conducting a scouting of survey area we turn to you with kind request to extend the bid submission date for 3 weeks till 15 <sup>th</sup> October 2025.	As of now the closing date is 24 September 2025, and suggest all bidders to prepare their bid for submission as per this schedule. In case of any extension, same shall be intimated before the submission date.  In order to save time and reduce hassle, Bidder can submit EMD online through RTGS/NEFT. And the Bank details are as below:  Sun Petrochemicals Private Limited- Bhaskar-1 Field ICICI Bank Limited A/c No: 054405013167 IFSC Code: ICIC0000544 Bank Address: ICICI Bank Limited MIDC Andheri Branch Kondivita, Near Telephone Exchange, MIDC, Andheri (East), Mumbai-400093.
2.	4. Bid Security / Bid Bond, Salient Features of The Tender	Bidder's question: Would it be accepted to submit the Bid Bond directly from the bank to SunPetro separately from the offer? Please clarify.	Yes, however bidder to attach transaction reference details in the unpriced technical offer.
3.	10. Alternate option for Submission of Bid Documents, Salient Features of The Tender	Bidder's request for clarification: We understand the bid can be submitted over email on or before the RFQ closing date and hardcopy should be sent to SunPetro after RFQ closing	Hard copy to be courier at SunPetro correspondence address on or before closing date & time of bid submission.

		date to finalize bid submission process. Kindly clarify.	
4.	2.15 Performance Bank guarantee, Instruction to bidders	<p>Bidder's proposes to modify the clause:</p> <p>The Successful bidder shall furnish to Company, a Performance Bank Guarantee for 10% of the estimated Contract value within 30 days of issue of the LOI / Contract (whichever is earlier) in the format as given in Annexure #8 from any of the nationalised or scheduled Indian banks or as listed in the tender document Annexure #9. If the bidder does not submit the Performance Bank Guarantee as stipulated above, Sun Petro reserves the Right to take appropriate measures to secure the interest of the Company and right to cancel the award of LOI without thereby holding / incurring any liability towards bidder for any work / material / services already done / provided by the bidder / supplier.</p>	Tender clause will remain unchanged
5.	2.17 Mobilization Period / Delivery Period / Completion Period, Instruction to bidders	<p>Bidder's proposes to modify the clause:</p> <p>Time is essence of the Contract and Contractor shall Supply / perform the Work and Services diligently in accordance with the Bidder's promised delivery dates / Mobilisation period / Completion Period as set forth in Delivery schedule or agreed for any additional work / services / Supplies. In the event it becomes apparent that the delivery date cannot be met, the Contractor shall, at its own cost, take all necessary steps to expedite the process, failing which the provisions of Liquidated Damages as specified in the Contract shall be applicable. The Company may also terminate the LOI/LOA or Contract immediately invoking the available remedies for protecting the interest of the Company. Company will have the right to reject any bid not meeting the delivery schedule / Mobilization time. Mobilization is required to be completed within 120 days from the placement of LOA for the field season 2025-26.</p>	As per tender. The bid conditions prevail.
6.	TD-SPPL-230-4D Seismic-030925.pdf	For seismic data acquisition the Bidder offers as a receivers Inova QUANTUM wireless system: All-in-one single component recording unit with vertical 5 Hz high-sensitivity geophone. The Quantum node is designed to work	Ok, however, Preference will be given to the bidder proposing with 3C nodes.

		without the need for any communication with the Central Recording System. It acquires GPS signal for timing and communicates locally to the user through Bluetooth Low Energy (BLE) network. For data recording one single node will be planted per receiver point. Is this acceptable to the Company?	
7.	TD-SPPL-230-4D Seismic-030925.pdf	Could you kindly provide the expected time schedule for the seismic acquisition works covered by the announced tender	Mentioned under clause 1.1, Sr No 13, page 5 of the tender
8.	TD-SPPL-230-4D Seismic-030925.pdf Scope of Work 1. Introduction	The document states that: (...) full fold area 120 sq. km while coordinates form the polygon of 110,6 sq. km (Figure 1) Is that correct boundary?	Please refer Bulletin-1
9.	TD-SPPL-230-4D Seismic-030925.pdf Scope of Work 6.1.1. 3D Seismic Data Recording A. General	The document states that: "The 3D seismic data shall be digitally recorded on tape cartridges IBM compatible as per the latest and standard media"  While using wireless nodes, data are recorded and stored in the nodes internal storage. After harvesting process seismic records will be stored on USB hard drives. Is that acceptable to the Company?	Specification as per Tender documents (minimum one set of data in 3592 tape)
10.	TD-SPPL-230-4D Seismic-030925.pdf Scope of Work 6.1.1. 3D Seismic Data Recording A. General	<u>The document states, that:</u> "There shall be no defective traces at the start of daily work"  The Bidder proposes the acquisition of seismic data in accordance with the standards described in detail in the appendix: "Quantum Work Standard_ver_20250123".  Is that acceptable to the Company?	After data harvesting, data will be QC'ed for each shot points and QC conditions will be followed.
11.	TD-SPPL-230-4D Seismic-030925.pdf Scope of Work 6.1.1. 3D Seismic Data Recording	<u>The document states that:</u> "Every shot should be monitored using the online QC display or paper record"  While acquiring seismic data using a wireless, nodal recording system the monitoring of the shots using the online QC display or paper record is not applicable. The bidder proposes the acquisition of seismic data in accordance with the standards described in detail in the appendix: "Quantum Work Standard_ver_20250123".  Is that acceptable to the Company?	Yes, However, after harvesting the data all SP will be checked digitally and will be QC'ed for each shot points and QC conditions will be followed..
12.	TD-SPPL-230-4D	<u>The document states that:</u>	

	Seismic-030925.pdf Scope of Work 6.1.1. 3D Seismic Data Recording C. Noise Level	<p>"d. Noise strips should be recorded at the start and end of the day to evaluate the ambient noise level in the survey area (...)</p> <p>"g. The spread noise shall be checked and recorded on tape at the start and end of each day /swath /patch and in between at the discretion of the SunPetro's site representative (in case of significant change in the operating conditions). The noise shall be recorded with and without the low-cut filter in use and sine wave reference signal shall be recorded in one of the channels (...)</p> <p>While acquiring seismic data using wireless, autonomous nodes, recording noise strips or monitor noise level in real-time is not applicable. The bidder proposes the acquisition of seismic data in accordance with the standards described in detail in the appendix: "Quantum Work Standard_ver_20250123".</p> <p>Is that acceptable to the Company?</p>	It will be decided as per QC conditions in tender document after harvesting the data with mutual consent of SunPetro representative.
13.	TD-SPPL-230-4D Seismic-030925.pdf Scope of Work 6.1.2. Survey parameters A. Recording Parameters	<p>The document states that: "High Cut: 0.8 N"</p> <p>For the INOVA Quantum system this value is 0,876 fN (Nyquist).</p> <p>Is it acceptable to the Company?</p>	Agreed
14.	TD-SPPL-230-4D Seismic-030925.pdf Scope of Work 6.1.2. Survey parameters B. Field Parameters	<p>The document states that: "Linear Spread with a spacing of 2.5m (Minimum 12 Receiver elements for 1 channels)"</p> <p>The Bidder offers Quantum wireless nodes (Inova) with a natural frequency of 5 Hz, one node per receiver point.</p> <p>Is it acceptable to the Company?</p>	Agreed, in case of nodes
15.	TD-SPPL-230-4D Seismic-030925.pdf Scope of Work 6.1.3. Recording Instrument	<p>The document states that: "For monitoring quality of 3D seismic data acquisition, provision shall exist for continuous display and recording of 3D seismic data of at least 1 trace at selectable offset for QC. Alternatively similar plots are to be provided through site QC system in near real time mode".</p>	After data harvesting, data will be QC'ed for each shot points as per conditions in tender document.

		<p>While acquiring seismic data using wireless, autonomous nodes, displaying and recording of seismic data for QC purposes or displaying/printing plots in near real time mode is not applicable.</p> <p>The bidder proposes the acquisition of seismic data in accordance with the standards described in detail in the appendix: "Quantum Work Standard_ver_20250123"</p> <p>Is that acceptable to the Company?</p>	
16.	<p>TD-SPPL-230-4D Seismic-030925.pdf</p> <p>Scope of Work</p> <p>6.1.3. Recording Instrument</p>	<p>While acquiring seismic data using wireless, autonomous recording system, no Recording Truck is required. The Boom Box 3 from Seismic Source can be used in Autonomous mode. In this mode the Decoder units use GPS time to fire the shots, (Autonomous mode operation allows shooters to fire shots independently based on dedicated GPS time slots). No Encoder unit or Radio telemetry is required. Multiple shooters can be used with no overlap of shots times. The Units and Record length can be assigned using the User Interface software.</p>	Agreed
17.	<p>TD-SPPL-230-4D Seismic-030925.pdf</p> <p>Scope of Work</p> <p>6.1.6. Data Recording</p>	<p>The document states that: "CONTRACTOR shall harvest the raw data from each receiver and provide separately in SEG D /SEG Y format "</p> <p>Please confirm that "raw data" should be understood as a seismic record in shot and/or receiver domain cut to the expected length, not the continuous data from the entire time range, when the nodes are active.</p>	<p>It will be decided after harvesting the data with mutual consent of SunPetro representative.</p> <p>One copy also to be provided with continuous data from the entire time range, when the nodes are active.</p>
18.	<p>TD-SPPL-230-4D Seismic-030925.pdf</p> <p>Scope of Work</p> <p>6.1.7. Playback Monitor Record</p>	<p>The document states that: "Playback paper monitor records for all kinds of seismic receivers during recording will be taken at every 10th shot displaying signals from seismic channels, shot instant, timing lines and file number."</p> <p>While acquiring seismic data using wireless, autonomous recording system, the taking of the playback paper monitor is not applicable.</p> <p>The bidder proposes the acquisition of seismic data in accordance with the standards described in detail in the: "Quantum Work Standard_ver_20250123".</p> <p>Is that acceptable to the Company?</p>	Agreed

19.	TD-SPPL-230-4D Seismic-030925.pdf Scope of Work 7. Quality control specification and standards	The bidder proposes the acquisition of seismic data using wireless, autonomous recording system. The proposed work standards are described in detail in the: "Quantum Work Standard_ver_20250123". Is that acceptable to the Company?	Ok
20.	TD-SPPL-230-4D Seismic-030925.pdf Scope of Work 8. Work Standards a)	The document states that: "Uphole time as given by shooting system and as recorded on Monitor should not vary by more than $\pm 2$ ms."  While acquiring seismic data using wireless, autonomous recording system, no Recording Truck is required and Uphole Time will be recorded by Boom Box 3 (Seismic Source). The record on Monitor is not applicable.  Is that acceptable to the Company?	Digital file of Up hole time for each shot point will be acceptable
21.	TD-SPPL-230-4D Seismic-030925.pdf Scope of Work 8. Work Standards i)	The bidder proposes the acquisition of seismic data using wireless, autonomous recording system. The proposed work standards are described in detail in the: "Quantum Work Standard_ver_20250123".  Is that acceptable to the Company?	Ok
22.	3.18.3 Customs Duty, Entry taxes, etc.	Will contractor be allowed to import all equipment (re-exportable) and spare parts, materials (consumables) required for executions of the contract with <b>full exemption</b> from all import duties and taxes? If yes, shall be understand that in order to avail the aforementioned exemptions Company will cooperate with contractor in order to obtain Essentiality Certificates from Directorate General of Hydrocarbons (DGH)?	Essential Certificate, based on the request of the Contractor, shall be issued only for the eligible items like items under HSN code available in the List 33.
23.	3.18.3 Customs Duty, Entry taxes, etc.	Provision in the tender document: <i>"Contractor undertakes to re-export Equipment at the earliest but not later than within fifteen (15) days of completion or termination of Services and shall be solely responsible for all customs formalities for importation and exportation of Contractors Equipment and materials at the port of entry or the port of exportation as the case may be."</i>  Contractor's proposal: <i>"Contractor undertakes to re-export Equipment at the earliest but not later than within <b>sixty (60) days</b> from</i>	30 days may be considered. However, Contractor, at the time of taking EC is required to submit an undertaking to the Company.



		<i>completion or termination of <b>Services (Company will issue Demobilisation Notice once the services will be completed or terminated)</b> and shall be solely responsible for all customs formalities for importation and exportation of Contractors Equipment and materials at the port of entry or the port of exportation as the case may be."</i>	
24.	Split contract	<i>Bidder's question: In case of award the contract is it possible to sign split contract for acquisition (performed by Local PE) and second for processing (performed in our HQ)? Please confirm.</i>	Bidder may propose the arrangement along with the technical bid. However, the experience and other BEC conditions prevail.
25.		Please specify the number of Up holes to be completed.	One (1) uphole per sqkm
26.		Whether Hammer & Plate or weight drop can be used for acquiring Up hole data or detonators need to be used	No, Hammer & Plate or weight drop can not be used
27.		Total number of Survey Pillars to be fixed & established	Minimum 3-4 Survey Pillars to be fixed although, the seismic survey has been carried out in past, the survey pillars marked at that time may also be used again.
28		Whether 1C or 3C Sensors are to be used? Please note that the 3C sensor are almost 2 times expensive than 1C sensors and are not commonly used in the industry which will substantially affects the price.	Preference will be given to the Bidders who is using 3C Sensors. However, rates for both types may be quoted.
29		It seems that there is some typo mistake while specifying the block coordinates in the tender as they are not matching with the design given in Tender. Please provide the corrected coordinate in UTM system	Please refer Bulletin-1
30.		The scope of work specifies seismic acquisition to be carried out on 120 sq km area. However, the BEC specifies previous experience of 3D seismic data acquisition over 700 sq km area which is very high. It is requested rationalized the required experience to 2 times scope of work i.e. 240 sqkm	Tender conditions prevail. "Bidders must have successfully completed on-land 3D seismic data Acquisition of minimum cumulative 700 sq. km. data in the last five (05) years with explosive as energy source."
31.		As per parameters provided in tender it seems by laying 2490 (249X10) channels one can take 1200shots (60X20). Hence 4000 channel will be more than sufficient to successfully complete execute the project even after	As this is a very important and time bound project of national interest, The numbers are to be as per tender conditions.

		taking all the eventualities. It is requested to revise the requirement of 5000 channels to 4000 channels	
32.		Since the scope of work requires time-lapse processing of 3D seismic data for which we shall doing a consortium with a seismic processing company, please confirm whether a particular processing company can do consortium with one or more lead acquisition partner	SunPetro's utmost priority is to obtain high quality of time-lapse 3D Seismic data through the best acquisition and processing, therefore, the selection of processing company and its 3C processing experience and also the experience of 4D processing in past will decide the engagement. This will require SunPetro's consultation and approval. However, the Seismic Data Acquisition Company, to whom the Contract to be awarded, will be the main Contractor for the said 4D seismic data acquisition and processing

All other terms and conditions of the Inquiry/RFQ remain unchanged.

**Regards,**

**Sun Petrochemicals Pvt. Ltd.**