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(A GOVT. OF INDIA ENTERPRISE)  
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**CORRIGENDUM NO. 1 DATED 09.06.2025 TO TENDER NO. CDG9342P26 FOR 'HIRING OF SERVICES FOR 3D & 2D BROADBAND SEISMIC DATA ACQUISITION IN MAHANADI ULTRA-DEEP OFFSHORE AND KRISHNA-GODAVARI ULTRA-DEEP OFFSHORE BLOCKS IN EASTERN OFFSHORE OF INDIA'.**

This corrigendum to Tender No. CDG9342P26 is issued to notify about the following:

- 1) Amendments to few other tender clauses are stipulated vide **ENCLOSURE-I** enclosed herewith.
- 2) Responses to Pre-Bid queries are stipulated vide **ENCLOSURE-II** enclosed herewith.

All other Terms and Conditions of the Tender/Bid Document (Considering all previous Amendment/Corrigendum, if any) will remain unchanged.

**Sd/-**  
**(B. Brahma)**  
**Chief Manager – Contracts (G)**  
**For Chief General Manager – Contracts**

**AMENDMENTS TO TENDER CLAUSES AGAINST TENDER NO. CDG9342P26**

Sl. No.	Tender Clause No.	Original Clause	Amended Clause
<b>Part-4; Section-II (A) &amp; Section-II (B): SCOPE OF WORK (SOW)/TERMS OF REFERENCE (TOR)/TECHNICAL SPECIFICATIONS)</b>			
1	<b>Appendix-A; A.6 RECORDING INSTRUMENTS</b> (Page No. 106 & 167)	<b>A 6.1</b> The seismic data shall be digitally recorded in SEG-D demultiplexed format on IBM 3592 (E07) TS1140 Cartridges, LTO-7 / LTO-8 cartridges and SSD. There should not be any deviation from the SEG recommendations. The cartridges used for recording shall be new only. Sufficient numbers of cartridge drives should be available for uninterrupted data recording.	A 6.1 The seismic data shall be digitally recorded in SEG-D demultiplexed format / <b>SEG-Y</b> on IBM 3592 (E07) TS1140 / LTO-7 / LTO-8 cartridges and SSD. There should not be any deviation from the SEG recommendations. The cartridges used for recording shall be new only. Sufficient numbers of cartridge drives should be available for uninterrupted data recording.
2		<b>POSITIONING DATA</b> The entire navigation data must be in the following formats. a) Raw navigation data: UKOOA P2/94 b) Post processed navigation data: UKOOA P1/90	<b>POSITIONING DATA</b> The entire navigation data must be in the following formats. a) Raw navigation data: UKOOA P2/94 <b>or P2/11</b> b) Post processed navigation data: UKOOA P1/90 <b>and/or P1/11 (if available)</b>
3	<b>Appendix-A; A.9</b> (Page No. 110 & 171)	<b>For 3D Parameters:</b> Gun Volume: Minimum 6000 cubic inch Source strength P-P: >150 bar-m or more (filters: out-128 Hz/72 dB per octave) Record length: 16 seconds  <b>For 2D Parameters:</b> Gun Volume: Minimum 6000 cubic inch Source strength P-P: >150 bar-m or more (filters: out-128 Hz/72 dB per octave) Record length: 16 seconds	<b>For 3D Parameters:</b> Gun Volume: Minimum <b>5000</b> cubic inch Source strength P-P: <b>&gt;120 bar-m (filters: Recording filter)</b> Record length: <b>12</b> seconds  <b>For 2D Parameters:</b> Gun Volume: Minimum <b>5000</b> cubic inch Source strength P-P: >150 bar-m or more <b>(filters: Recording filter)</b> Record length: 16 seconds

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4	<b>Appendix-A; A.9</b> (Page No. 110 & 171)		<b>Shooting direction: N-S</b>
5	<b>Appendix-A; A.16.1 (a/g)</b> (Page No. 111 & 172)	DGPS positioning health check and gyro (or equivalent heading sensor) calibration are done. The BIDDER shall either carry out the GPS health check and navigation calibrations at a port (while the vessel is alongside) in India or submit detailed report of navigation calibrations/ health check carried out by a third party recently. However, OIL reserves the right to get the calibrations/ health checks repeated at an Indian port.	DGPS positioning health check and gyro (or equivalent heading sensor) calibration are done. The BIDDER shall either carry out the GPS health check and navigation calibrations at a port (while the vessel is alongside) in India or submission of detailed report of navigation calibrations/ health check <b>certificate</b> carried out by a third party <b>within one year from the date of arrival of the vessel in India is acceptable.</b>
6	<b>Appendix-A; A.16.1 (e/k)</b> (Page No. 112 & 172)	Adequate stretch section will be provided at the front and rear end of streamer to minimize cable jerk. Prior to start of survey, tests shall be performed to determine the best combination of propeller pitch and RPM to minimize ship's induced noise.	Adequate stretch section will be provided at the front and rear end of streamer to minimize cable jerk. <del>Prior to start of survey,</del> Tests shall be performed to determine the best combination of propeller pitch and RPM to minimize ship's induced noise.
7	<b>Appendix-A; A.16.1 (f/l)</b> (Page No. 112 & 173)	At the operating depth the ambient cable noise shall not exceed seven (7) micro-bar rms for a group length of 12.5m. For groups closer than 250 m from the vessel and for three groups nearest to the tail buoy, the ambient cable noise may exceed the specification, but should be within 14 micro-bar rms. The maximum noise levels for groups adjacent to depth controllers shall not exceed 14 micro-bars rms.	At the operating depth the ambient cable noise shall not exceed <b>eight (8)</b> micro bar rms for a group length of 12.5 m. <b>For the first 10 traces from the vessel and for three groups nearest to the tail buoy, the ambient cable noise may exceed the specification, but should be within 20 micro bar rms.</b> The maximum noise levels for groups adjacent to depth controllers shall not exceed 14 micro bars rms.

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8	<b>Appendix-A; A.16.4 (a/r)</b> (Page No. 116 & 177)	More than twelve (12) traces per streamer for streamer length 12000 mts are bad. (pro-rated for longer or shorter cable configurations).	<b>More than 2% groups per streamer are bad.</b>
9	<b>Appendix-A; A.16.4 (c/t) &amp; A.16.5 (k/bb)</b> (Page No. 116, 117, 176 & 177)	Streamer depth varies more than 1 mtr from the chosen depth.	Streamer depth varies more than 1 mtr from the chosen depth. <b>In the specific cases, variation in streamer depth will be evaluated by on-board OIL QC representatives and decide accordingly.</b>
10	<b>Appendix-A; A.16.5 (a/r)</b> (Page No. 116 & 177)	More than 2 adjacent groups or more than 12 random groups on the streamer for 12000 mts long streamer (prorated to longer or shorter streamer length) are bad.	<b>More than 2% groups per streamer are bad. However, AU ring failure section or similarly affected section is to be replaced during line changes. Further, coverage will be monitored and infill is to be carried out if required.</b>
11	<b>Appendix-A; A.16.9</b> (Page No. 118 & 179)	Input Data: SEG-D field seismic data and P1/90 Navigation data	Input Data: SEG-D <b>/SEG-Y</b> field seismic data and P1/90 <b>and/or P1/11 (if available)</b> Navigation data
12	<b>A.22.9.2 &amp; Appendix-H; Deliverables (2D &amp; 3D</b>	Seismic, Navigation and On-board QC Data: Two (02) copies on IBM 3592 (E07) TS1140, Two (02) copies on LTO-07/08 and two (02) copies on SSD	Seismic, Navigation and On-board QC Data: <b>Three (03)</b> copies on IBM 3592 (E07) TS1140 /LTO-07/08 and <b>three (03)</b> copies on SSD
13	<b>seismic Data Acquisition)</b> (Page No. 122, 142, 183 & 202)	<b>Raw seismic data: SEG D</b>	<b>Raw seismic data: SEG D / SEG Y</b>

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<b>Part-4; Section-III: SPECIAL CONDITIONS OF CONTRACT</b>			
14	<b>Clause 23.0</b> (Page No. 242)	<b>New Clause</b>	<b><u>RISK PURCHASE:</u></b> In the event of CONTRACTOR's failure to provide the services as per the Contractual scope, terms and conditions, COMPANY (OIL) reserves the right to hire the services from any other source at the CONTRACTOR's risk & cost and the difference in cost shall be borne by the CONTRACTOR. Further, OIL shall retain the right of forfeiture of Performance Bank Guarantee and any other action as deemed fit.

**RESPONSE TO PRE-BID QUERIES RECEIVED AGAINST TENDER NO. CDG9342P26**

**Queries of M/s Shearwater GeoServices**

<b>Sl. No.</b>	<b>Document/ Section</b>	<b>Quoted text</b>	<b>Clarification</b>	<b>OIL's Reply</b>
<b>1.</b>	1.2.2	CONTRACTOR <b>GROUP</b> Shall mean the person or persons, firm or COMPANY or corporation incorporated in India or abroad <b>and their subcontractors including any parent and affiliated companies</b> , who has been awarded with the contract and includes contractor's legal representatives, his successors and permitted assigns.	Tenderer proposes this change for the relevant indemnities granted by Company under Section 15.	Not agreed. Please adhere to the tender condition.
<b>2.</b>	1.2.29	<del>Criminal Negligence: Shall mean that the crime happened negligently, there was duty of care upon the Person but inadvertently due to his negligence, the duty was breached, which causes harm to the people in the form of death or serious injury.</del>	The term "crime" or "criminal negligence" should be left for a competent court to decide and this term cause ambiguity versus the term "gross negligence". (clause 1.2.28)	Not agreed. Please adhere to the tender condition.
<b>3.</b>	14.2	Deductible: The Contractor shall take policy with minimum deductible as per <del>IRDA prescribed</del> <b>common industry standards</b> for the policy(ies) that portion of any loss not covered by the insurance provided for in this article solely by reason of a deductible provision in such insurance policies that shall be the account of the Contractor.		Not agreed. Please adhere to the tender condition.
<b>4.</b>	14.3	CONTRACTOR shall require all of his sub-Contractor to provide such of the foregoing insurance coverage as Contractor is obliged to provide under this Contract <b>as <u>are reasonably relevant to each sub-Contractor's scope of service/work provision</u></b> and inform the Company about the coverage prior to the commencement of agreements with its sub-Contractors.	Tenderer proposes revisions to reflect the fact that its potential subcontractors may not be able to meet all insurance requirements as are required of Contractor as subcontractor's insurances will depend upon the nature of each subcontractor's scope of supply.	Not agreed. Please adhere to the tender condition.

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Sl. No.	Document/ Section	Quoted text	Clarification	OIL's Reply
5.	14.5	Waiver of subrogation: All insurance policies of the CONTRACTOR with respect to the operations conducted hereunder as set forth in clauses hereof, shall be endorsed by the underwriter in accordance with the following policy wording: "The insurers hereby waive their rights of subrogation against Oil India Limited or any of their employees or their affiliates <del>and assignees</del> ".	Tenderer proposes the deletion of the reference to the words "and assignees" as this term is too widely worded. Please can Company clarify if its intention by adding the reference to "assignee" is to add coverage for their other contractors etc., If so, then it would be preferable to include definitions of "Company Group" and affording rights to this Group as such.	Not agreed. Please adhere to the tender condition.
6.	14.6	<del>Loss Payee Clause: The Insurance Policies should mention the following in Loss Payee Clause: "In respect of Insurance claims in which OIL's interest is involved, written consent of OIL will be required".</del>	COMPANY cannot claim to be a Loss Payee, which would be in conflict of any mortgagee undertaking and statutory payment obligations vested with Contractor.	Not agreed. Please adhere to the tender condition.
7.	14.8 (e)	That OIL shall be given thirty (30) days written advance notice of any <del>material change in</del> <b>termination of</b> the policy	Tenderer proposes the deletion of the wording as shown.  Contractor's insurance companies will be able to provide a notification of termination of Contractor's insurance policies to Oil India, however they will not notify them of any material amendment to Contractor's policies.	Not agreed. Please adhere to the tender condition.
8.	14.9	If any of the above policy expire or/are cancelled during the term of this CONTRACT and CONTRACTOR fails for any reason to renew such policies, OIL in no case shall be liable for any loss/damage occurred during the term when the policy is not effective. <del>Furthermore, a penal interest @ 1% of the Total contract value shall be charged towards not fulfilling of the contractual</del>	Tenderer proposes the deletion of the wording as shown.  Tenderer considers the penalty to be disproportionate and unreasonable and is not industry practice to include any such penal interest in such contracts.	Not agreed. Please adhere to the tender condition.

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		<del>obligations.</del> Notwithstanding above, should there be a lapse in any insurance required to be taken by the Contractor for any reason whatsoever, loss/damage claims resulting therefrom shall be to the sole account of Contractor.		
9.	14.11	<del>On account payment to OIL in case of claim In case any loss or damage happen and where Company's interest is involved, The Company reserves the right to recover the loss amount from the Contractor prior to final settlement of the claim.</del>	To the extent there is a dispute as to whether a loss should lie with Contractor or not, there should be no promise of any on account payments to Company until the dispute is finally resolved. The inclusion of this wording might invalidate Contractor's insurances and Contractor may not get coverage for such payments from your insurers if they were not of the opinion that Company had a viable claim against Contractor. The obligation as stated is not in conformity with common contracting practice.	Not agreed. Please adhere to the tender condition.
10.	14.12	The CONTRACTOR shall at all time during the currency of the contract provide, pay for and maintain the following insurance, <b>or equivalent</b> , amongst others.	Contractor will pay and maintain the required insurance or an equivalent one to the required standards in the contract.	Not agreed. Please adhere to the tender condition.
11.	18.0	<del>18.0 CONSEQUENTIAL DAMAGE: Except as otherwise expressly provided, neither party shall be liable to the other for special, indirect or consequential damages resulting from or arising out of the contract, including but without limitation, to loss or profit or business interruptions, howsoever caused and regardless of whether such loss or damage was caused</del>	This section appears to duplicate Section 16.0 a) and should therefore preferably be deleted.	Not agreed. Please adhere to the tender condition.

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Sl. No.	Document/ Section	Quoted text	Clarification	OIL's Reply
12.	Clause 24.2	<p><del>by the negligence (either sole or concurrent) of either party, its employees, agents or sub- CONTRACTORS.</del></p> <p><del>Consequent upon of placement of contract, if successful bidder(s)(other than Micro/Small Enterprise) is procuring materials/services from their sub-vendor, who is a Micro or Small Enterprise registered with District Industry Centers or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicrafts and Handloom or any other body specified by Ministry of MSME with prior consent in writing of the purchasing authority/Engineer in Charge the details like Name, Registration No., Address, Contact No., details of material and value of procurement made, etc. of such enterprises shall be furnished by the CONTRACTOR at the time of submission of invoice/bill.</del></p>	<p>Tenderer proposes the deletion of this clause in its entirety. Please can Company confirm that this provision is not applicable.</p>	<p>Not agreed. Please adhere to the tender condition.</p>
13.	Clause 38	<p>POLLUTION AND CONTAMINATION:</p> <p>The CONTRACTOR shall be liable for <del>all surface and sub-surface</del> pollution emanating from Contractor's property <del>to the extent caused by CONTRACTOR and resulting from CONTRACTOR's operation/service or spillage or dumping of solvents/additive substances or pollutants, which the CONTRACTOR brings to the Site for use in connection with Work to be performed under this Contract.</del></p> <p>Notwithstanding anything to the contrary contained herein, it is agreed that <del>except on the ground of willful misconduct or criminal misconduct,</del> COMPANY shall release, indemnify and hold CONTRACTOR and its sub-CONTRACTORS harmless from any and all claims, judgments, losses, expenses and any costs related thereto</p>	<p>Tenderer proposes the revisions to this clause as shown to reflect that Contractor will be liable for pollution emanating from Contractor's property, and only to such pollution.</p> <p>Contractor has appropriate insurance coverage for pollution from its own vessel, whereas other types of pollution may be more limited, as it would depend on the pollution arising from an insured event (such as e.g. a collision). Company's wording is far too vague and wide.</p>	<p>Not agreed. Please adhere to the tender condition.</p>

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		(including but not limited to Court costs and “Attorney’s fees”) for:  a) Damage to or loss of any reservoir or producing formation; and/ or b) Damage to or loss of any well; and/ or c) Any other subsurface damage or loss; and/ or d) Any property damage or loss or personal injury or death arising out of or in connection with a blowout, fire explosion and loss of well control regardless of cause.	In the second paragraph, the deletion of the exceptions in relation to wilful misconduct and criminal misconduct have been made as the liabilities in a) through to d) are not covered by Contractor’s insurances, due to specific exceptions to such liabilities.	
<b>14.</b>	Section-II: SOW/TOR Appendix-A A 6.1 (Area-A) page 106/321 & A 6.1 (Area-B) page 167/321	The seismic data shall be digitally recorded in SEG-D demultiplexed format on IBM 3592 (E07) TS1140 Cartridges, LTO-7 / LTO-8 cartridges and SSD.	Is HDD acceptable as a replacement for SSD? Does Oil India accept IBM 3592 (E05) or IBM 3592 (E08) as an alternative option for IBM 3592 (E07)? Can LTO-7/LTO-8 be replaced by 3592?	HDD is not acceptable as a replacement for SSD.  Please refer Enclosure-I above.
<b>15.</b>	Section-II: SOW/TOR Appendix-A A 6.1 (Area-A) page 106/321 & A.6.1 (Area-B) page 167/321	The entire navigation data must be in the following formats. a) Raw navigation data: UKOOA P2/94 b) Post processed navigation data: UKOOA P1/90	We would like to suggest changing all navigation deliverables to new IOGP formats. P111 and P211 superseded old UKOOA formats. The new formats provide more detailed specifications for data recording, ensuring higher accuracy and completeness of the data collected.	Please refer Enclosure-I above.
<b>16.</b>	Section-II: SOW/TOR Appendix-A A.9 (Area-A) page 110/321 &	3D Parameters: Gun Volume: <del>Minimum 6000 cubic inch</del> Source strength P-P: > <del>150</del> <b>120 bar-m</b> (filters: <del>out 128 Hz/72 dB per octave</del> <b>Recording filter</b> ) Source P/B ratio: > 15:1 Shot Interval: 25m (flip-flop) Record length: <del>16 seconds</del> <b>10 seconds</b>	Standard dual source configuration typically ranges from 3000 to 5000cuin and subject to gun type and gun configuration. Furthermore, due to the limitation of 3 sub-array for dual source configuration, Tenderer recommend industry standard array to access	Please refer Enclosure-I above.

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<b>Sl. No.</b>	<b>Document/ Section</b>	<b>Quoted text</b>	<b>Clarification</b>	<b>OIL's Reply</b>
	A.9 (Area-B) page 171/321		source strength based on Peak-to-Peak ratio of 120 bar-m and measured through recording filter. Given the streamer length configuration of 10,000m for 3D acquisition, Tenderer would request Company to review the record length required for this scope.	
<b>17.</b>	Section-II: SOW/TOR Appendix-A A.9 (Area-A) page 110/321 & A.9 (Area-B) page 167/321	2D Parameters: Gun Volume: <del>Minimum 6000 cubic inch</del> Source strength P-P: > 150 bar-m or more (filters: <del>cut-128 Hz/72 dB per octave</del> <b>Recording filter</b> ) Source P/B ratio: > 15:1 Shot Interval: 50m Record length: <del>16 seconds</del> <b>12 seconds</b>	For mono-source configuration, industry standard can offer more than 3 sub-array configuration and allowing a larger volume to be offered. Gun volume does not represent guns interactions to achieve the required Peak-peak strength. Tenderer recommend industry standard array to access source strength based on Peak-to-Peak ratio of 150 bar-m and measured through recording filter. Given the streamer length configuration of 12,000m for 2D acquisition, Tenderer would request Company to review the record length required for this scope.	Please refer Enclosure-I above.
<b>18.</b>	Section-II: SOW/TOR Appendix-A A.16.4 (Area-A) page 116/321 & A.16.4 (Area-B) page 176/321	WORK SHALL NOT COMMENCE ON ANY LINE IF: a. More than twelve (12) traces per streamer for streamer length 12000 mts are bad. (pro-rated for longer or shorter cable configurations).	12 traces of 12,000m (960 traces) are only 1.25% - Recommendation for Industry standard is 2.5%	Please refer Enclosure-I above.

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<b>Sl. No.</b>	<b>Document/ Section</b>	<b>Quoted text</b>	<b>Clarification</b>	<b>OIL's Reply</b>
<b>19.</b>	Section-II: SOW/TOR Appendix-A A.16.4 (Area-A) page 116/321 & A.16.4 (Area-B) page 176/321	WORK SHALL NOT COMMENCE ON ANY LINE IF: c) Streamer depth varies more than 1 mtr from the chosen depth.	Please amend this clause with word "average" to avoid confusion with instantaneous fluctuations of the streamer depth	Please refer Enclosure-I above.
<b>20.</b>	Section-II: SOW/TOR Appendix-A A.16.5 (Area-A) page 117/321 & A.16.5 (Area-B) page 177/321	WORK SHALL NOT CONTINUE ON ANY LINE IF: h) 6 consecutive recordings are missed/bad.	Industry standard allows for 10 consecutive shots - classified as misfire. This is also to allow for system restart if required.	Not agreed. Please adhere to the tender condition.
<b>21.</b>	Section-II: SOW/TOR Appendix-A A.16.6 (Area-A) page 117/321 & A.16.6 (Area-B) page 178/321	THE FOLLOWING ARE CONSIDERED AS BAD SHOTS: c) Loss of more than 10% of array volume	Reduction of Array Volume does not constitute a bad shot, these guns interact in water and produces characteristics including Peak-peak, Peak to bubble and bubble period. The industry standard specifications for source are based on Gun Drop-out criteria. We kindly suggest the industry standard Source drop-out criteria: 1. Average deviation of the dropped gun signature amplitude spectrum from the full-array signature amplitude spectrum, in the 10-70 Hz frequency band, shall not exceed 1.5dB.	Not agreed. Please adhere to the tender condition.

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<b>Sl. No.</b>	<b>Document/ Section</b>	<b>Quoted text</b>	<b>Clarification</b>	<b>OIL's Reply</b>
			2. Maximum deviation of the dropped gun signature amplitude spectrum from the full-array signature amplitude spectrum, in the 10-70 Hz frequency band, shall not exceed 3.0dB.	
<b>22.</b>	Section-II: SOW/TOR Appendix E (Area-A) page 135/321 & Appendix E (Area-B) page 197/321	Please advise and confirm the 3D shooting direction/azimuth for each block.	There is no shooting direction provided in the scope of work for the 3D Full-fold blocks.	The shooting direction will be N-S for all planned 3D Full-fold blocks under the Scope of Work.
<b>23.</b>	Section-II: SOW/TOR Appendix H (Area-A) page 143/321 & Appendix E (Area-B) page 203/321	<b>Deliverables (2D &amp; 3D seismic data acquisition)</b> Any other deliverable which is not mentioned in above list but deemed necessary will be part of deliverables without any additional cost to OIL – <a href="#">within reasonable means and subject to mutual agreement.</a>	The additional deliverables not listed should be within practical limits and with mutual consent.	Not agreed. Please adhere to the tender condition.
<b>24.</b>	INTRODUCTIO N/FORWARDI NG LETTER3.0 PRE-BID CONFERENCE :	A Pre-Bid Conference is tentatively scheduled to be held on 4 <sup>th</sup> June through Physical Mode	Bidder requests that Pre-Bid Conference be held in Hybrid/Online mode for experts to attend remotely.	Agreed
<b>25.</b>	Part 5 List of Proformas Appendix-V Undertaking from		Bidder would like to understand the requirement of this undertaking and when this undertaking is to be provided.	The undertaking is to be provided during mobilization

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Sl. No.	Document/ Section	Quoted text	Clarification	OIL's Reply
	Contractors' Personnel			
26.	31.0 FORCE MAJEURE:	<p><b>31.1</b> In the event of either party being rendered unable by 'Force Majeure' to perform any obligation required to be performed by them under the contract, the relative obligation of the party affected by such 'Force Majeure' will stand suspended as provided herein. The term force majeure as employed herein shall mean, Acts of God such as earthquake, hurricane, typhoon, flood, volcanic activity etc.; war (declared /undeclared); riot, revolts, rebellion, terrorism, sabotage by persons other than the CONTRACTOR's Personnel; fires, explosions, ionising radiation or contamination by radio-activity or noxious gas, if not caused by CONTRACTOR's fault; declared epidemic or disaster; acts and regulations of respective Govt. of the two parties, namely the COMPANY and the CONTRACTOR and civil commotions, lockout not attributable to the CONTRACTOR.</p> <p><b>31.2</b> Upon occurrence of such cause, the party claiming that it has been rendered unable as aforesaid thereby, shall notify the other party in writing within 72 (Seventy-Two) hours of the alleged beginning and ending thereof, giving full particulars and satisfactory evidence in support of its claim.</p>	<p>Please provide a space for insertion of Force Majeure rate in the Price schedule.</p> <p>Considering the actual current geopolitical tension and risks presented by current India/Pakistan relations, the FM condition becomes important and so the Bidder requests the suspension duration before termination due to FM be reduced.</p> <p>If the Force Majeure condition persists beyond 15 days, either party may terminate the contract after an additional 15 days.</p> <p>Tenderer proposes that each sub-clause is numbered to aid cross referencing.</p>	<p>Not agreed. Please adhere to the tender condition.</p> <p>Please note Clause 11.2 of SCC (Page 227 of tender document).</p>

**RESPONSE TO PRE-BID QUERIES RECEIVED AGAINST TENDER NO. CDG9342P26**

Sl. No.	Document/ Section	Quoted text	Clarification	OIL's Reply
		<p><b>31.3</b> Should 'force majeure' condition as stated above occurs and should the same be notified within 72 (Seventy-two) hours after its occurrence the 'force majeure' rate <del>(if specified in the SCC of the Contract)</del> shall apply for <del>the first 15 (fifteen) each</del> days <del>for each such occasion.</del> <b>of force majeure.</b></p> <p><b>31.4 Subject always to clause 31.5, <del>Either party shall have the right to terminate the Contract</del></b> if such 'force majeure' conditions continue beyond <del>successive 60 (Sixty) days [or exclusively mentioned in the SCC of the Contract]</del> <b>15 (Fifteen) days, then either party shall have the right to terminate the Contract by giving 15 (fifteen) days</b> <del>with</del> prior written notice <del>of 15 days to the other party and,</del> provided <b>that any</b> termination of the Contract does not result in <del>to</del> safety hazard to the life and property on account of withdrawal of operations or the operation is at critical stage. COMPANY shall have the absolute right to decide whether any safety hazard exists or operation is at critical position and decision of the COMPANY shall binding upon the CONTRACTOR. <b>During such 15 (fifteen) days notice period and/or any prolonged period to accommodate the essential withdrawal of operations on account of COMPANY's safety concerns as COMPANY shall notify to CONTRACTOR in writing, the Force Majeure Rate shall continue to be payable by COMPANY to CONTRACTOR.</b></p> <p><b>31.5 Notwithstanding the notice requirement specified in clause 31.4, in the event of an escalation of war (declared /undeclared), either party shall be entitled to give such reduced notice of termination as is reasonable or a notice of</b></p>		

**RESPONSE TO PRE-BID QUERIES RECEIVED AGAINST TENDER NO. CDG9342P26**

Sl. No.	Document/ Section	Quoted text	Clarification	OIL's Reply
		<p><b>immediate termination to the other party in circumstances where the party giving notice, acting reasonably and in good faith, considers that there is a real and present security risk and/or threat to life and property.</b></p> <p><del>Should either party decide not to terminate the Contract even under such condition, no payment would apply after expiry of fifteen (15) days force majeure period. [or exclusively mentioned in the SCC of the Contract]</del></p> <p>...</p>		
27.		<p><b>2.2 Volume Variation:</b>            Company <b>may, subject to mutual agreement with the Contractor,</b> <del>reserves the option to</del> increase/decrease the quantum/volume of work upto a maximum of <b>±25%</b> at the same terms &amp; conditions and at <b>mutually agreed</b> rates <del>not higher than the rates at which the contract is awarded</del>. The contract period shall be proportionately adjusted for increase or decrease in the volume of work.</p>	Any variation should be mutually agreed as it is subject to operational viability and vessel availability.	Not agreed. Please adhere to the tender condition.
28.	3.0 SEISMIC DATA ACQUISITION:	<p>3.1.5 The end co-ordinates of the 2D Seismic lines (Full fold) and Corner co-ordinates of 3D seismic blocks (Full fold) to be acquired will be supplied by OIL. However, if there is any modification, the same shall be intimated by OIL before start of work <b>and will be subject to mutual agreement between Company and Contractor</b>. The successful BIDDER will arrange for the preparation of pre-plots of the survey lines &amp; conversion of co-ordinates from one datum to another, if required.</p>	Any modification to work scope shall be subject to mutual agreement.	Not agreed. Please adhere to the tender condition.

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<b>Sl. No.</b>	<b>Document/ Section</b>	<b>Quoted text</b>	<b>Clarification</b>	<b>OIL's Reply</b>
29.	PART-4 SECTION-III SPECIAL CONDITIONS OF CONTRACT (SCC)	1.3.5 ... The entire volume of seismic data acquisitions as indicated in 'Scope of Work' is required to be completed by the BIDDER in all respects as per specifications in Appendix-A. BIDDER shall also perform onboard basic processing for QC purpose for awarded volume as indicated in 'Scope of Work'. <b>If, as a result of localized physical obstructions in the survey area such as fishing nets (fixed, submerged), rigs, platforms, marine installations, restricted area including marine sanctuary, port area, areas etc, the CONTRACTOR is prevented from completing the entirety of the work programme (awarded volume of work) for each acquisition area but CONTRACTOR is able to complete 90% thereof (or such lesser percentage as COMPANY representative(s) deems applicable), then the work programme shall be deemed to have been completed of that work programme provided that the COMPANY representative(s) certifies the reasons for such obstruction and/or prevention.</b>	This additional wording gives the COMPANY and CONTRACTOR the flexibility to agree on contract completion in case of any unplanned obstruction/hindrance in survey area.	Not agreed. Please adhere to the tender condition.
30.	Section III Special Conditions of Contract 8.2 PENALTY FOR DEFAULT IN TIMELY COMPLETION:	<del>8.12 Company will not accept any Force majeure condition prior to mobilisation and any delay on account of the same will be penalised as per Clause no. 8.1 for delay in Timely Commencement stipulated above.</del>	There may be reasons where FM prohibits Bidder from mobilising the vessel. In such cases the FM clause should be applicable, and the Commencement timeline be adjusted accordingly.	Not agreed. Please adhere to the tender condition.
31.	Section III Special Conditions of Contract 11.0	<del>11.2 In case force majeure situation occurs, Company shall not pay BIDDER for the Force Majeure days.</del>	In line with clause 31, Bidder requests a space for insertion of Force Majeure rate in the Price schedule.	Not agreed. Please adhere to the tender condition.

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<b>Sl. No.</b>	<b>Document/ Section</b>	<b>Quoted text</b>	<b>Clarification</b>	<b>OIL's Reply</b>
	FORCE MAJEURE			
<b>32.</b>	Section III Special Conditions of Contract 13.0 PAYMENTS, MANNER OF PAYMENT, RATES OF PAYMENT:	13.3 The BIDDER shall raise monthly invoices for the following: (a) Data acquired against seismic LKM for seismic profiles which are completed in all aspects (i.e. including all necessary survey data, observer report etc.) and that has been <b>signed/accepted by the onboard Client Representative</b> <del> handed over to the Company at OIL's Office, Duliajan, Assam during the month.</del> If a seismic profile is not completed in a single calendar month, in such case, LKM equivalent to Number of good/acceptable shots taken in the completed part of the seismic profile will be considered for payment provided all the data along with ancillary information are handed over to Company. The invoice can only be processed after submission of aforesaid deliverables duly accepted by Company representative.	Bidder requests invoices be raised once data is accepted by the Client representative onboard. The physical handover of data to the Company at OIL's Office, Duliajan, Assam shall follow as per agreed logistics, but shall not delay invoicing.	Not agreed. Please adhere to the tender condition.
<b>33.</b>	PART-4 SECTION-IV SCHEDULE OF RATES (SOR)	<del>h) Suspension of work (Work Stoppage) during normal tides and currents in the Survey area and suspension of work due to bad weather conditions, if any, due to monsoon.</del>	The clause seems to be in contradiction with Clause 3.1b), whereby severe weather is a standby condition.	Not agreed. Please adhere to the tender condition.

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**Queries of M/s TGS / PGS Geophysical AS**

<b>Section No.</b>	<b>Clause No. (Page No.)</b>	<b>Non-Compliance</b>	<b>Remarks</b>	<b>OIL's Reply</b>
Part 4 – Section I	14.0 (page 66)		Contractor has industry standard insurance coverage, could we please open a dialogue between the insurance departments of Company and Contractor to clarify the details of available coverage?	Not agreed. Please adhere to the tender condition.
Part 4 – Section I	15.1 (page 69)	Except as otherwise expressly provided herein, neither COMPANY nor its servants, agents, nominees, CONTRACTORS, or sub-CONTRACTORS shall have any liability or responsibility whatsoever to whomsoever for loss of or damage to the equipment and/or loss of or damage to the property of the CONTRACTOR and/or their CONTRACTORS or sub-CONTRACTORS, irrespective of how such loss or damage is caused and even if caused by the negligence of COMPANY and/or its servants, agent, nominees, assignees, CONTRACTORS and sub- CONTRACTORS. <u>The CONTRACTOR shall protect, defend, indemnify and hold harmless COMPANY from and against such loss or damage and any suit, claim or expense resulting there from.</u>	Text from the first sentence of 15.2 logically should be included in 15.1 (otherwise unclear what the indemnity in the first sentence of 15.2 is regarding). This would mirror the wording of 15.5.	Not agreed. Please adhere to the tender condition.

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<p>Part 4 – Section I</p>	<p>16(a) (page 71)</p>	<p>Notwithstanding any other provisions herein to the contrary, <del>except only in cases of Wilful misconduct and/or criminal acts and/or criminal negligence,</del> neither the CONTRACTOR nor the COMPANY (OIL) shall be liable to the other, whether in Contract, tort, or otherwise, for any consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided however that this exclusion shall not apply to any obligation of the CONTRACTOR to pay Liquidated Damages to the COMPANY and/or COMPANY’s right to forfeit the Performance Bank Guarantee(s) in terms of the contract.</p>	<p>Liability for consequential losses should be determined by the court in all instances, not assumed by the parties under the contract regardless of the cause.</p>	<p>Not agreed. Please adhere to the tender condition.</p>
<p>Part 4 – Section I</p>	<p>19 (page 72)</p>	<p>In the event, CONTRACTOR’s failure to provide the services as per the Contractual scope, terms and conditions, COMPANY (OIL) reserves the right to hire the services from any other source <del>at the CONTRACTOR’s risk &amp; cost</del> and the difference in cost shall be borne by the CONTRACTOR <u>subject to a maximum of the contract value payable for the defective work which needs corrective action which the CONTRACTOR must pay promptly.</u> Further, OIL shall retain the right of forfeiture of Performance Bank Guarantee and any other action as deemed fit. <del>In certain operational situations OIL reserves the right to take over the site including the service equipment at the risk and cost of the CONTRACTOR.</del></p>	<p>Please include cap on costs as in cl. 23.2. Contractor does not accept risk of other operators over whom it has no control.  Contractor under no circumstances grants other operators the right to take over its equipment.</p>	<p>No changes in GCC. However, please refer Enclosure-I above.</p>

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<p>Part 4 – Section I</p>	<p>23.2 (page 73)</p>	<p>Should COMPANY discover at any time during the tenure of the Contract or till the Unit/equipment/tools are demobilised from site or base camp (if applicable) that the work does not conform to the foregoing warranty, CONTRACTOR shall after receipt of notice from COMPANY, <u>subject to vessel availability,</u> promptly <u>commence performing</u> any and all corrective work required to make the services conform to the Warranty. Such corrective Work shall be performed entirely at CONTRACTOR's own expenses. If such corrective Work is not performed within a reasonable time <u>or if the Contractor confirms no vessel availability,</u> the COMPANY, at its option may have such remedial Work performed by others and charge the <u>reasonable and documented</u> cost thereof to CONTRACTOR subject to a maximum of the contract value payable for the defective work which needs corrective action which the CONTRACTOR must pay promptly. In case CONTRACTOR fails to perform remedial work, or pay promptly in respect thereof, the performance security shall be forfeited</p>	<p>Ability to perform rectification work on site is subject to vessel availability. Noting the tenure of the contract is 12 months (although seismic data acquisition period is 6 months).</p>	<p>Not agreed. Please adhere to the tender condition.</p>
<p>Part 4 – Section I</p>	<p>30(a) (page 78)</p>	<p><del>Time is the essence of this Contract.</del> If the CONTRACTOR fails to mobilize and deploy the required manpower/equipment and/or fails to commence the operation within the period specified as specified under mobilization clause under SCC, OIL shall have, without prejudice to any other right or remedy in law or contract including sub clause (b) below, the right to terminate the</p>	<p>Time is of the essence deleted, can lead to defaults for minor delays or conflict with vessel scheduling.</p>	<p>Not agreed. Please adhere to the tender condition.</p>

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		contract.		
Part 4 – Section I	31 (page 79)	[...] Should 'force majeure' condition as stated above occurs and should the same be notified within 72 (Seventy-two) hours after its occurrence the 'force majeure' rate (if specified in the SCC of the Contract) shall apply <del>for the first 15 (fifteen) days</del> for <u>the duration of</u> each such occasion [...]	Contractor cannot standby for up to 1.5 months without any costs being covered for events for which it is not at fault and requests an FM rate be include to cover the entire FM period.	Not agreed. Please adhere to the tender condition.
Part 4 – Section I	33 (page 80)	COMPANY may withhold <del>or nullify</del> the whole or any part of the amount due to CONTRACTOR, after informing the CONTRACTOR of the reasons in writing, on account of subsequently discovered evidence in order to protect COMPANY from loss on account of	Any amounts withheld cannot be unilaterally nullified by Company without further dispute resolution.	Not agreed. Please adhere to the tender condition.
Part 4 – Section I	33.8 (page 80)	COMPANY reserves the right to disburse or deposit the amount so withheld to the concerned person(s) or agency or government authority, as the case may be, <del>besides nullifying such amount</del> on account of loss suffered by the COMPANY against 33.2, 33.3, 33.6 & 33.7 above	Any amounts withheld cannot be unilaterally nullified by Company without further dispute resolution.	Not agreed. Please adhere to the tender condition.
Part 4 – Section I	38 (Page 84)	The CONTRACTOR shall be liable for all surface and sub-surface pollution <del>to the extent caused by CONTRACTOR and resulting from CONTRACTOR's operation/service or emanating from</del>	Aligning with Contractor insurance coverage.  Contractor excluded from liability regardless of cause for pollution	Not agreed. Please adhere to the tender condition.

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		<p><u>Contractor's vessels or equipment, including</u> spillage or dumping of solvents/additive substances or pollutants, which the CONTRACTOR brings to the Site for use in connection with Work to be performed under this Contract.</p> <p>Notwithstanding anything to the contrary contained herein, it is agreed that <del>except on the ground of willful misconduct or criminal misconduct,</del>—COMPANY shall release, indemnify and hold CONTRACTOR and its sub-CONTRACTORS harmless from any and all claims, judgments, losses, expenses and any costs related thereto (including but not limited to Court costs and “Attorney’s fees”) for:</p> <p>a) Damage to or loss of any reservoir or producing formation; and/ or</p> <p>b) Damage to or loss of any well; and/ or</p> <p>c) Any other subsurface damage or loss; and/ or</p> <p>d) Any property damage or loss or personal injury or death arising out of or in connection with a blowout, fire explosion and loss of well control regardless of cause.</p>	<p>relating to (a) to (d), as Contractor would not sail in the vicinity of offshore installations absent Company’s express instruction.</p>	
<p>Part 4 – Section I</p>	<p>44.10 (page 92)</p>	<p><b>Consequence of Termination:</b> [...] <u>Contractor shall be entitled to immediate payment for that part of the services performed up to and including the date of termination which have not been terminated, plus the Mobilization charges (except under Article 44.8).</u> Demobilization</p>	<p>Clarifying that Contractor is entitled to payment for services performed, which include mobilization and demobilization in most instances, as the Contractor would not be mobilized except to perform the work for Company.</p>	<p>Not agreed. Please adhere to the tender condition.</p>

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		charges shall not be payable by COMPANY in case of Article <a href="#">44.8</a> . <del>from 44.4 to 44.7</del>		
Part 4 – Section I	45 (page 92)	<p><b>TO DETERMINE THE CONTRACT:</b> In such an event (i.e. termination under Article No. 44.4 to 44.9 above), the contract shall stand terminated and shall cease to be in force from the date of such notification by the COMPANY. Thereafter the CONTRACTOR shall stop forthwith any of the work then in progress, except those work which the COMPANY may, in writing, require to be done to safeguard any property or work, or installations from damages, and the COMPANY may take over the remaining unfinished work of the CONTRACTOR and complete the same through a fresh CONTRACTOR or by other means, at the <del>risk and cost of the CONTRACTOR</del>, and the difference in cost shall be borne by the CONTRACTOR and any of its sureties if any, shall be liable to the COMPANY for any excess cost occasioned by such work having to be so taken over and completed by the COMPANY over and above the cost at the rate/cost specified in the schedule of quantities and rates/prices <u>subject to a maximum of the contract value payable for the terminated work which needs completion.</u></p>	Please include cap on costs similar to cl. 23.2. Contractor does not accept the risk and uncapped cost of other operators.	Not agreed. Please adhere to the tender condition.

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<p>Part 4 – Section I</p>	<p>46 (page 92)</p>	<p><b>WITHOUT DETERMINING THE CONTRACT:</b> In such an event (i.e. termination under Article No. 44.4 to 44.9 above), the COMPANY may take over the work of the CONTRACTOR or any part thereof and complete the same through a fresh CONTRACTOR or by other means, <del>at the risk and cost of the CONTRACTOR</del>. The CONTRACTOR and any of its sureties are liable to the COMPANY for any excess cost over and above the cost at the rates specified in the schedule of quantities and rates/prices, occasioned by such work having been taken over and completed by the COMPANY <u>subject to a maximum of the contract value payable for the terminated work which needs completion.</u></p>	<p>Please include cap on costs similar to cl. 23.2. Contractor does not accept the risk and uncapped cost of other operators.</p>	<p>Not agreed. Please adhere to the tender condition.</p>
<p>Part 4 – Section I</p>	<p>48 (page 93)</p>	<p>During the tenure of the Contract <u>or till the Unit/equipment/tools are demobilised from site</u>, CONTRACTOR shall keep the site where the services are being performed reasonably free from all unnecessary obstruction and shall store or dispose of any equipment and surplus materials and clear away and remove from the site any wreckage, rubbish or temporary works no longer required. On the completion of the services, CONTRACTOR shall clear away and remove from the site any surplus materials; rubbish or temporary works of every kind and leave the whole of the site clean and in workmanlike condition <u>as required by law or governmental authority</u> <del>to the satisfaction of Company</del></p>	<p>Aligning with Contractor’s insurance coverage. Contractor only able to clear site while it is at the site (tenure of Contract is 12 months, duration of seismic data acquisition is 6 months).</p>	<p>Not agreed. Please adhere to the tender condition.</p>

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Part 4 – Section III	8.1.1 (page 221)	<del>Time is the essence of the Contract.</del> In the event of default on the part of BIDDER in timely mobilizing its resources and field personnel to commence acquisition work within the stipulated period from the date of issue of Mobilization Notice, the BIDDER shall be liable to pay liquidated damages (LD). The rate of LD as applicable in this case shall be @ 0.5 % (half percent) of the total estimated contract value, for delay per week or part thereof, subject to maximum of <del>7.5% (seven &amp; half percent)</del> <u>2.5% (two &amp; half percent)</u> of the total estimated contract value. Liquidated Damages will be reckoned from the date after expiry of 02 (Two) months and 15 (fifteen) days from the date of issue of Mobilization Notice by Company	Time is of the essence deleted, can lead to defaults for minor delays or conflict with vessel scheduling.  Please cap LDs to 2.5%.	Not agreed. Please adhere to the tender condition.
Part 4 – Section III	8.1.2 (page 221)	However, in any case the sum of total amount of Liquidated Damages, payable if any against this contract under provision of Clause No. 8.1.1 above together, will not exceed <del>7.5%</del> <u>2.5%</u> of total evaluated contract value. [...]	Aligning with 2.5% cap above.	Not agreed. Please adhere to the tender condition.
Part 4 – Section III	8.4 (page 222)	The Company also reserves the right to cancel the Contract <del>without any compensation whatsoever</del> in case of failure by the successful bidder to submit PBG or commence/complete the assigned jobs under the contract within the stipulated period and also take other actions as may be considered appropriate	Contractor shall always be entitled to compensation for work so far completed.	Not agreed. Please adhere to the tender condition.

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Part 4 – Section III	9.6 (page 224)	BIDDER shall use <a href="#">USB drives or cloud delivery</a> <del>cartridge tapes tested for zero error. All field data cartridges along with experimental data cartridges will be</del> provided to Company at no extra cost.	Contractor does not use cartridge tapes, USB or Cloud delivery are available.	Not agreed. Please adhere to the tender condition.
Part 4 – Section III	9.13 (page 225)	BIDDER shall furnish the list with Bio-Data of key personnel proposed to be deployed prior to the commencement of work. The Bio-Data shall include the name, nationality, qualification, experience and passport details of the personnel. <a href="#">Company shall accordingly enter into a Data Transfer Agreement in accordance with requirements of the EU GDPR with Bidder prior to receiving such Bio-Data.</a>	Contractor must comply with EU GDPR and is prohibited from transferring such personal data of personnel to “third countries” unless there is a Data Transfer Agreement in place. Please see provided template, which we have used with actors in India previously.	Not agreed. Please adhere to the tender condition.
Part 4 – Section III	9.25 (page 226)	During the tenure of the Contract <a href="#">or till the Unit/equipment/tools are demobilised from site</a> , BIDDER shall keep the site where the services are being performed, reasonably free from all unnecessary obstruction and shall store or dispose of any equipment and surplus materials and clear away and remove from the site any wreckages, rubbish or temporary works no longer required. On the completion of the services, BIDDER shall clear away and remove from the site all surplus materials, rubbish and temporary works of every kind, and leave the whole of the site in a clean condition <a href="#">as required by law or governmental authority</a> <del>to the satisfaction of Company</del>	Aligning with Contractor’s insurance coverage. Contractor only able to clear site while it is at the site (tenure of Contract is 12 months, duration of seismic data acquisition is 6 months).	Not agreed. Please adhere to the tender condition.
Part 4 –	9.27 (page	The BIDDER shall undertake to perform all	Performance level to be objective, in	Not agreed. Please adhere to

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Section III	226)	services under the contract with reasonable skill and due diligence & care in accordance with sound industry practice <del>to the satisfaction of Company</del> and accept full responsibility for the satisfactory quality and timely completion of such services. <u>Contractor shall commence to rectify any</u> defect deficiencies and ambiguity noticed in the BIDDER's services <del>shall be promptly remedied by the BIDDER</del> , without any extra cost to Company, within a maximum of fifteen (15) days from the date of notice issued by Company advising to improve performance, failing which the contract may be terminated.	compliance with the contract and sound practice.  Please permit Contractor a reasonable time to commence to rectification.	the tender condition.
Part 4 – Section III	11.2 (page 227)	<del>In case force majeure situation occurs, Company shall not pay BIDDER for the Force Majeure days.</del> <u>Not used.</u>	Standard FM provisions to apply, which in Section I cl. 31 include payment of a “force majeure rate”.	Not agreed. Please adhere to the tender condition.

<b>Section/Clause No. (Page No.)</b>	<b>Non-Compliance</b>	<b>Changes/ modifications proposed by the Bidders</b>	<b>REMARKS</b>	<b>OIL's Reply</b>
§Part 4, Section II(B) APPENDIX-A A.6. RECORDING INSTRUMENTS And A.22.9 and Appendix-H	SEG D	All PGS vessels use time based continuous recording meaning that there will be no SEG-D data output.		Please refer Enclosure-I above.

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<p>§Part 4, Section II(B) APPENDIX-A A.16 WORK STANDARDS A.16.1 GENERAL</p>	<p>At the operating depth the ambient cable noise shall not exceed 7 micro-bar rms for a group length of 12.5m. For groups closer than 250 m from the vessel and for three groups nearest to the tail buoy, the ambient cable noise may exceed the specification, but should be within 14 micro-bar rms. The maximum noise levels for groups adjacent to depth controllers shall not exceed 14 micro-bars rms.</p>	<p>For 12.5 m groups PGS requests that the requested specification be altered to: 8 µbar at birds, pingers and last trace, and 15-20 µbar for the 10 first traces.</p> <p>The listed noise parameters are for raw hydrophone data and using a 3 Hz-6 Hz (3-6-90-120 Hz trapezoidal) filter. PGS also advises that raw hydrophone channel noise is not necessarily indicative of dual component channel performance after combination. Further investigation and consideration against processing objectives and required shooting speed should be performed on a case-by-case basis.</p>	<p>Realistically, levels of front-end noise may be between 15 µbar and 20 µbar for the first 10 groups if reasonable shooting speed is to be maintained. The noise is largely confined to low frequencies and low apparent velocities and can therefore be quite effectively removed in processing without affecting the final image. PGS therefore respectfully request this to be looked upon as an issue that is manageable in pre-processing and that judgment is based on pre-processed results.</p>	<p>Please refer Enclosure-I above.</p>
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<p>§Part 4, Section II(B)</p> <p>APPENDIX-A A.16 WORK STANDARDS</p> <p>A.16.4 WORK SHALL NOT COMMENCE ON ANY LINE IF: AND A.16.5 WORK SHALL NOT CONTINUE ON ANY LINE IF</p>	<p>Streamer depth varies more than 1 mtr from the chosen depth.</p>	<p>For operational and commercial reasons it is good practice to work with properly balanced streamers. During deployment PGS ballast streamers with the aim of keeping them at the specified depth +/-1 m.</p>	<p>If part of the streamer goes outside the specified range - e.g. due to currents or a broken bird - there are no geophysical reasons to reject the data straight away. As long as the depth is known, GeoStreamer® data can be processed. Accurate depths can also be derived from the GeoStreamer® data itself. It is then the task of the Operations Geophysics department to assess the quality of the data.</p>	<p>Please refer Enclosure-I above.</p>															
<p>§Part 4, Section II(B)</p> <p>APPENDIX-A A.16 WORK STANDARDS A.16.5 WORK SHALL NOT CONTINUE ON ANY LINE IF</p>	<p>a) More than 2 adjacent groups per streamer are bad. (Refer Clause 16.6).</p>	<p>For single vessel operations with a positive inline offset, PGS requests the proposed specification be altered to:</p> <ul style="list-style-type: none"> <li>- No more than 12 adjacent channels due to AU ring failure.</li> <li>- No more than 12 channels per streamer per inline offset bin due to AU ring failure.</li> </ul> <p>Maximum number of channels in total per inline offset bin is defined in the table below:</p> <table border="1" data-bbox="678 1114 1240 1225"> <thead> <tr> <th>Inline Offset Bin</th> <th>Maximum for whole spread – offsets &lt; 5000m</th> <th>Maximum for whole spread – offsets &gt; 5000m</th> </tr> </thead> <tbody> <tr> <td>Near</td> <td>24</td> <td>36</td> </tr> <tr> <td>Mid-Near</td> <td>24</td> <td>36</td> </tr> <tr> <td>Mid-far</td> <td>36</td> <td>48</td> </tr> <tr> <td>Far</td> <td>36</td> <td>48</td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>- If channels are lost in adjacent streamers, then both streamers will be considered as bad if two groups of 12 channels are lost within 450m (inline offset from source) of each other.</li> </ul>	Inline Offset Bin	Maximum for whole spread – offsets < 5000m	Maximum for whole spread – offsets > 5000m	Near	24	36	Mid-Near	24	36	Mid-far	36	48	Far	36	48		<p>Please refer Enclosure-I above.</p>
Inline Offset Bin	Maximum for whole spread – offsets < 5000m	Maximum for whole spread – offsets > 5000m																	
Near	24	36																	
Mid-Near	24	36																	
Mid-far	36	48																	
Far	36	48																	

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		- In all cases where more than 3 adjacent channels are lost, PGS requests that data be accepted following the above criteria and every effort made to fix the problem at the next operational opportunity.		
§Part 4, Section II(B) A.5	<b>A.5.6 Head buoys- Tailbuoys should be fitted with RGPS.</b>	All PGS' 3D vessels are equipped with acoustic and rGPS positioning on each source sub-string, vessel, tailbuoy and deflectors. Vessel, source and deflector observations are all used in tying in the front network creating a stable and solid high accuracy solution. Additional head buoys are available onboard should achieved accuracy not comply with specifications. PGS have found no significant gain in the achieved positioning accuracy by deploying head buoys in the traditional location (on top of the front-end spread). This fact in combination with a full streamer acoustic network, the streamers being towed at 20+ m and acoustic observations from all sub-strings in the source, the vessel and the deflectors have rendered the need for additional navigation buoys obsolete. There is an increased HSE risks as well as operational constraints associated with towing head additional buoys.		Not Agreed.
§Part 4, Section II(B) A.8. FATHOMETER	<b>All fathometer data will be corrected for draft, velocity and tides.</b>	PGS kindly asks that this criterion is waived. While it is possible to produce final P1's offshore with corrected water depths, it is PGS' recommendation to process and correct water depth data during postproduction. In order to correctly correct the water depths for the full water columns		Noted for submission as part of Final data deliverables.

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		variable speed of sound (SoS) profile as many SoS profiles as possible must be available. Adjacent survey lines water depth data must also be available for comparison. All adjacent lines are only available after production has completed. It is therefore PGS standard to produce and deliver water depth data corrected for speed of sound, draft, tide and HPR as a separate file in the P1 format with only echo sounder position, shotpoint time/date as well as corrected water depth values. No source or receiver records are included in this file. This file is generated post acquisition and contains all water depths for all sequences in one file.		
§Part 4, Section II(B) A.9.2 VERIFICATIONS	All streamer compasses (in use and spares) shall have a manufacturer's certificate	PGS kindly asks that this criterion is waived. The Digibird 1500 streamer compass manufacturer (DigiCourse) have over time established a failure rate, regardless of time, of less than 1%. Any anomaly in the compass data is detected by the INS and consequently rejected from the solution.	PGS have not done a static streamer compass calibration in over 15 years. With the lowered emphasis on compasses in creating the online navigation solution a static compass calibration is even less worthwhile.	The clause is not part of the instant tender.
§Part 4, Section II(B) A.16 WORK STANDARDS	A.16.1 DGPS DGPS positioning health check and gyro (or equivalent heading sensor) calibration are	PGS kindly asks that this criterion is waived. PGS vessels dGPS and heading sensors are dynamically calibrated as a minimum once a year. Latest calibration report is available upon request. A dynamic calibration can be done anywhere and near anytime and is more cost and time effective than an alongside calibration. All without compromising the quality of the result.		Please refer Enclosure-I above.

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	<p>done. The BIDDER shall either carry out the GPS health check and navigation calibrations at a port (while the vessel is alongside) in India or submit detailed report of navigation calibrations/ health check carried out by a third party recently. However, OIL reserves the right to get the calibrations/ health checks repeated at an Indian port.</p>			
<p>§Part 4, Section II(B) A.16 WORK STANDARDS General k)</p>	<p>Prior to start of survey, tests shall be performed to determine the best combination of propeller pitch</p>	<p>PGS kindly asks that this criterion is waived. These values tend to change during survey to keep water speed/bottom speed at optimal values.</p>		<p>Please refer Enclosure-I above.</p>

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	and RPM to minimize ship's induced noise.			
§Part 4, Section II(B)	Multiple mentions of P1/90 and P1/11 plus P2/94 and P2/11 formats throughout the document.	PGS standard: OGP P1/11 and P2/11 format.		Please refer Enclosure-I above.
Annexure III	Alternative configurations	Are alternative configurations and commercial offers accepted?		The clause is not the part of the instant tender.