



CONTRACT SECTION, PHQ NOONMATI  
OIL INDIA LIMITED

DATE: 4<sup>th</sup> February 2025

**CORRIGENDUM – 2 FOR OIL’S TENDER NO. CIC8405P25**

In response to the Tender No. **CIC8405P25** published by OIL for **HIRING CONSULTANT FOR "FEASIBILITY STUDY OF RE-PURPOSING ABANDONED/TO-BE ABANDONED OIL & GAS WELLS FOR GEOTHERMAL EXPLORATION IN MPA, OIL’S OPERATIONAL AREA, UPPER ASSAM BASIN"**, several queries have been received from various agencies.

The queries were discussed in detail during the pre-bid meeting, held at OIL’s COEES office, Guwahati on 31<sup>st</sup> January 2025.

Part-A of Corrigendum-2 document contains the queries and the response of OIL on the same.

Part-B of Corrigendum-2 contains the amendments issued to Tender No. CIC8405P25.

The prospective bidders are requested to please note the queries and responses before submitting their bids.

## PART-A

### Replies of Pre-Bid Queries

TENDER NO: CIC8405P25

Hiring consultant for "Feasibility Study of Re-Purposing Abandoned/to-be abandoned Oil & Gas Wells for Geothermal Exploration in MPA, OIL's Operational Area, Upper Assam Basin"

#### PRE-BID QUERIES by Schlumberger

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	Reply
<b>PART 2 – BID EVALUATION CRITERIA</b>				
1.	3.2.1	In support of the experience criteria of Clause No. 3.1.1 above, the bidder must furnish documentary evidence citing names and addresses of the clients along with project description for whom the project(s) have been completed. The provided list needs to be supported with bidder CEO certification/paper published in various professional societies and any other document substantiating the bidders	We request OIL to please allow bidder to provide the list supported with bidder's <b>Power of attorney holder instead of the CEO certification</b> . Bidder will attach the POA along with their offer.	Amendment: 3.2.1: In support of the experience criteria of Clause No. 3.1.1 above, the bidder must furnish documentary evidence citing names and addresses of the clients along with project description for whom the project(s) have been completed. The provided list needs to be supported with bidder CEO certification / an undertaking

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	Reply
		experience along with period of work done.		from the authorized signatory of bidder having the Power of Attorney / paper published in various professional societies and any other document substantiating the bidders experience along with period of work done.
2.	Note to Clause No. 3.9, 3.10.1, 3.10.2 and 3.11.1 above:	<p>Please delete the clause below:</p> <p><del>The bidder who does not meet the technical experience criteria on their own and are bidding on the technical experience/strength of supporting company (Technical collaboration/ consortium partner/parent/ subsidiary/ sister subsidiary/ co-subsidiary, as applicable) must deploy all the key personnel for performing the job. An undertaking to this effect shall be submitted along with the technical bid.</del></p>	Considering the scope of work which is desktop-based study, we request deletion of this clause on deployment of key personnel as the same is not necessary.	As per SOW, the core team members must be deployed during kick-off meeting, data collection and site visits.

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	Reply
		<p><del>In addition to the above, a declaration is required from bidder whether bidding is done with own experience or technical collaboration / consortium partner/parent/ subsidiary/ sister subsidiary/ co-subsidiary, as applicable.</del></p>		
3.	7.3.3	<p>7.3.3 A certificate from the statutory Auditor of the bidding company practicing Chartered Accountant as well as of the parent/ ultimate/ holding parent company (supporting company) to establish the relationship and equity percentage holding between bidding company and the supporting company. The certificates should be duly certified by the Company Secretary or one of the Directors of the company concerned.</p>	<p>We would request company to please consider the change in the clause as the same is in line with other tenders issued currently as well as in past by OIL.</p>	<p>No Change. Tender condition prevails.</p>
<b>PART 3 GENERAL CONDITIONS OF CONTRACT</b>				

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	Reply
4.	14.5 Waiver of subrogati on	<p>Please amend the clause below:</p> <p><b><u>Except for the Workmen's Compensation / Employer's Liability Insurance for workmen engaged under this contract which have been obtained by the Contractor as their corporate policy/rules, where OIL is neither required to be present as principal assured or additional assured,</u></b> all insurance policies of the Contractor and its Sub-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 and assignees <b><u>to the extent of the indemnities</u></b></p>	<p>Bidder requests this change since waiver of subrogation will be to the extent of indemnities assumed by the Contractor under the contract.</p> <p>This clause was amended in multiple tenders/contracts for OIL including:</p> <ul style="list-style-type: none"> <li>▪ Tender No. GEM/2023/B/3923542 for Hiring of Services for upgradation of hardware and infrastructure of High-Performance Computing Centre (HPCC) at Geophysics Department of OIL</li> <li>▪ Contract No. 6118193 for hiring of cementing services,</li> <li>▪ Contract No. 6118087 for hiring of wireline services in OALP Block,</li> <li>▪ Tender No. DCG3015S23 for Hiring of Pulsar Services,</li> <li>▪ Tender No. CDG7411L22 for Hiring of 03 (Three) Nos. Wireline Logging Units with Services.</li> </ul>	Insurance clause of SCC superseded the GCC

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	Reply
		<b><u>undertaken by the Contractor under this Contract."</u></b>		
5.	14.6 Loss Payee Clause	Please delete the entire clause.	<p>Bidder requests deletion of this provision as it is not relevant for scope envisaged in this tender.</p> <p>This has been agreed by OIL in all contracts including:</p> <ul style="list-style-type: none"> <li>▪ Tender No. GEM/2023/B/3923542 for Hiring of Services for upgradation of hardware and infrastructure of High-Performance Computing Centre (HPCC) at Geophysics Department of OIL</li> <li>▪ Contract No. 6118193 for hiring of cementing services</li> <li>▪ Contract No. 6118087 for hiring of wireline services in OALP Block</li> <li>▪ Tender No. DCG3015S23 for Hiring of Pulsar Services</li> </ul>	Insurance clause of SCC superseded the GCC

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	Reply
6.	14.7 Additional Assured	<p>Please amend the clause below:  “Oil India Limited” is to be <del>included</del>  as <del>Additional Assured</del> <b><u>named as  Additional Insured</u></b> in the  Insurance Policies (except in case of  Workmen’s  Compensation/Employer’s Liability  insurance) <b><u>limited only to the  extent of liabilities assumed by  Contractor under this Contract.</u></b></p>	<p>Bidder requests this change as additional  insured is the standard language used in  the Oil and Gas contracts.</p> <p>This clause was amended in multiple  tenders/contracts for OIL including:</p> <ul style="list-style-type: none"> <li>▪ Tender No. GEM/2023/B/3923542 for  Hiring of Services for upgradation of  hardware and infrastructure of High-  Performance Computing Centre  (HPCC) at Geophysics Department of  OIL</li> <li>▪ Contract No. 6118193 for hiring of  cementing services,</li> <li>▪ Contract No. 6118087 for hiring of  wireline services in OALP Block,</li> <li>▪ Tender No. DCG3015S23 for Hiring of  Pulsar Services,</li> <li>▪ Tender No. CDG7411L22 for Hiring of  03 (Three) Nos. Wireline Logging  Units with Services.</li> </ul>	<p>Insurance clause of SCC  superseded the GCC</p>

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	Reply
7.	14.9	<p>Please delete the clause below:</p> <p><del>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. Furthermore, a penal interest @ 1% of the Total contract value shall be charged towards not fulfilling of the contractual obligations. 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.</del></p>	<ul style="list-style-type: none"> <li>▪ We agree to provide the insurances on time and adhere to the contract requirements. However, we request deletion of this clause since penal interest.</li> </ul>	Insurance clause of SCC superseded the GCC
8.	14.10	<p>Please delete the clause below:</p> <p><del>The Contractor on demand from the Company shall furnish the</del></p>	<ul style="list-style-type: none"> <li>▪ The contract includes an obligation to provide insurance certificate. Hence,</li> </ul>	Insurance clause of SCC superseded the GCC

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	Reply
		<del>Insurance Policy having detail terms and conditions, with respect to any Certificate of Insurance submitted to the Company.</del>	we request deletion of this clause on providing insurance policy.	
9.	14.16 i)	Please amend the clause below: Employees Compensation (EC) Policy or Employer's Liability Policy insurance as required by the <b>applicable</b> laws of the <del>country of origin of the employee</del> <b>contract</b> .	<ul style="list-style-type: none"> <li>▪ We request Employers' Liability insurance to be as per the applicable laws of the contract.</li> </ul>	Insurance clause of SCC superseded the GCC
10	14.16 ii) Commer cial General Liability Insuranc e	Please delete the obligation to maintain this insurance.	<p>The scope of work for this present tender is office-based study and not well site services, hence this insurance is not applicable.</p> <p>This has been agreed by OIL in all contracts including:</p> <ul style="list-style-type: none"> <li>▪ Contract No. 6117171 for AMC of Petrel Geoscientific Software</li> </ul> <p>Contract No. 6117480 for AMC of Techlog Software</p>	Insurance clause of SCC superseded the GCC

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	Reply
11	14.16 iii) Compreh ensive General Automob ile Insuranc e	Please delete the obligation to maintain this insurance.	<ul style="list-style-type: none"> <li>▪ The scope of work for this present tender is office-based study and not well site services, hence this insurance is not applicable.</li> </ul>	Insurance clause of SCC superseded the GCC
12	14.12 iv) Carrier's Legal Liability Insuranc e	Please delete the obligation to maintain this insurance.	<p>The scope of work for this present tender is office-based study and not well site services, hence this insurance is not applicable.</p> <p>This has been agreed by OIL in all contracts including:</p> <ul style="list-style-type: none"> <li>▪ Contract No. 6117171 for AMC of Petrel Geoscientific Software</li> <li>▪ Contract No. 6117480 for AMC of Techlog Software</li> </ul>	Insurance clause of SCC superseded the GCC
13	14.12 v) Public Liability	Please delete the obligation to maintain this insurance.	The scope of work for this present tender is office-based study and not well site	Insurance clause of SCC superseded the GCC

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	Reply
	Act Policy		<p>services, hence this insurance is not applicable.</p> <p>This has been agreed by OIL in all contracts including:</p> <ul style="list-style-type: none"> <li>▪ Contract No. 6117171 for AMC of Petrel Geoscientific Software</li> <li>▪ Contract No. 6117480 for AMC of Techlog Software</li> </ul>	
14	19.0 RISK PURCH ASE	<p>Please amend as below:</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 <del>hire</del> <b>request CONTRACTOR to remediate</b> the services <del>from any other source</del> at the CONTRACTOR's risk &amp; cost <del>and the difference in cost shall be borne by the CONTRACTOR</del>. Further, OIL shall retain the right of forfeiture of Performance Bank Guarantee and any other action as</p>	<p>We shall ensure service delivery in line with the terms and conditions of the contract and commits to be the sole source of remedy in case of services being performed in a manner not in conformity with the contract's requirements.</p>	Tender condition prevails

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	Reply
		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>		
15	32.0 SET- OFF	Please amend as below:  Any sum of money due and payable to the CONTRACTOR (including Performance Security refundable to them) under this <del>or any other Contract, whether in progress or in future,</del> may be appropriated by OIL and set-off against any claim of OIL <del>(or such other person or persons contracting through OIL)</del> for payment of a sum of money arising out of this contract or under any other contract made by the CONTRACTOR with OIL <del>(or such other person or persons contracting through OIL)</del> <b><u>after giving 7 days prior written notice to Contractor.</u></b>	If all provisions like payment due under the contract or PBG are exhausted to recover the payment due to OIL by Contractor as per Contract, then only OIL to invoke this clause. Bidder requests OIL to kindly confirm and modify the clause accordingly.	Tender condition prevails

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	Reply
16	45.0 TO DETER MINE THE CONTR ACT	<p>Please amend the clause as below:</p> <p>In such an event (i.e. termination under Article No. 44.4 to 44.9 <del>44.8</del> 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/Consulting Firm 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/Consulting Firm and complete the same through a fresh CONTRACTOR/Consulting Firm or by other means, at the risk and cost of the CONTRACTOR/Consulting Firm, and any of its sureties if any, shall</p>	<p>Since 44.8 is for termination for OIL's convenience, Bidder requests removal from this provision.</p> <p>Contractor cannot take risk in such cases.</p> <p>The excess liability to be limited to 50% of the cost of such defaulted work mentioned in the Contract.</p>	Tender condition prevails

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	Reply
		<p>be liable to the COMPANY for any excess cost occasioned by such work having to be so taken over and completed by the COMPANY <b><u>provided that such excess cost shall be limited to 50% of the cost of defaulted work mentioned in the Contract</u></b> <del>over and above the cost at the rate/cost specified in the schedule of quantities and rates/prices.</del></p>		
17	<p>46.0 WITHO UT DETER MINING THE CONTR ACT:</p>	<p>Please amend the clause as below:  In such an event (i.e. termination under Article No. 44.4 to 44.9 <b><u>44.8</u></b> above), the COMPANY may take over the work of the CONTRACTOR/Consulting Firm or any part thereof and complete the same through a fresh CONTRACTOR/Consulting Firm or by other means, at the <del>risk</del> and cost of the CONTRACTOR/Consulting Firm. The CONTRACTOR/Consulting</p>	<p>Since 44.8 is for termination for OIL's convenience, Bidder requests removal from this provision.  Hiring of any other party cannot be at the "risk" of the Contractor.  Contractor's liability to be capped</p>	<p>Tender condition prevails</p>

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	Reply
		<p>Firm and any of its sureties are liable to the COMPANY for any excess cost subject to a maximum of the contract value payable for the defective work which needs corrective action <b><u>provided that such excess cost shall be limited to 50% of the cost of defaulted work mentioned in the Contract.</u></b> <del>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.</del></p>		
18	39.0 Statutory variation	<p>In order to factor any changes on account of adverse interpretation of law by authority, the following clause should be added:</p> <p>Notwithstanding anything else contained herein, if subsequent to the date of submission of Bid, any new or additional taxes and similar levies in nature and any increased in</p>	<p>This clause covers any liability which may arise on account of adverse interpretation of law by authorities and therefore, this addition is important</p>	<p>Tender condition prevails</p>

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	Reply
		<p>the direct cost, resulting from future legislation or interpretation of existing or future legislation, including and not limited to, goods and service tax, sales tax, customs duties, R&amp;D cess, works contract tax, services tax, corporate tax, octroi, entry taxes etc. are imposed by Government or the concerned authorities which Contractor is bound to pay in respect of the payments received by Contractor in pursuance of this agreement, then such new/additional taxes/levies will be borne by Company. Additionally, any upward change in the rates of the existing taxes/levies shall be to the account of Company. In case of reduction or exemption from any taxes/ levies, benefit shall be passed on to the Company.</p>		
<b>PART-3 SECTION-III SPECIAL CONDITIONS OF CONTRACT</b>				

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	Reply
19	Insurance	<p>The contractor at his own cost shall arrange, secure and maintain all six insurances listed under GCC 14.16 throughout the contract period. However, if contractor feel that some of these insurances are not applicable for this contract as per the nature of service than contractor may request to OIL for exemption of the same with proper reasoning along with proper valid documentation and obtain the approval from OIL for exemption of such insurances otherwise, it will be taken as non-compliance.</p> <p>1. View above, successful bidder shall make their representation to <input type="checkbox"/> OIL and obtain approval, if any insurance is not required for such <input type="checkbox"/> service.</p>	<p>We have raised queries on certain clauses under 14.16 depending on applicability under the scope of work. We request OIL to please consider the same.</p>	<p>Insurance clause of SCC superseded the GCC</p>
20	Import and	<p>Please add the new clause below:</p>	<p>We request addition of this clause to ensure compliance to the respective trade</p>	<p>Not applicable</p>

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	Reply
	Export Control (New Clause)	<p><b><u>Both Parties shall strictly comply with, and adhere to, all applicable U.S. and non-U.S. laws and regulations pertaining to economic sanctions laws, trade, import and export control.</u></b></p> <p><b><u>In the event that at the time when this Contract comes to existence or any moment thereafter, any trade compliance laws, regulations or restrictions of any kind, substantially adversely affect the performance of Parties or their affiliated companies under the Contract, the Parties shall seek in good faith to find a mutually acceptable solution to minimize such adverse effects. In the absence of a mutually acceptable solution, each Party, reserves the right to terminate the Contract, and the other Party agrees that it shall not be considered a breach of this</u></b></p>	control and sanction and to avoid both criminal and civil liability.	

S/ N	Section / Clause	Queries	Explanation/Reason/ Clarification	Reply
		<b><u>Contract and hence it shall have no legal cause of action, and hereby waives any right to assert the same.</u></b>		

**Hiring consultant for "Feasibility Study of Re-Purposing Abandoned/to-be abandoned Oil & Gas Wells for Geothermal Exploration in MPA, OIL's Operational Area, Upper Assam Basin"**

**PRE-BID QUERIES by O & M Solutions**

<b>S / N</b>	<b>Section / Clause</b>	<b>Clause wording</b>	<b>Query/remarks</b>	<b>Reply</b>
1	SOW - 4.1.C.i	Geological, Geophysical, and Geochemical Data review: Conduct comprehensive assessments and analysis of provided data to confirm the geothermal potential of the abandoned/to-be abandoned O&G wells. However, geochemical analysis shall be carried out suitably in minimum 03 wells for each well clusters by the contractor to assess the geothermal resources, scaling and corrosion potential.	Contractor shall be responsible for testing also or only analysis of tests performed by OIL? If contractor has to <i>perform</i> the tests, what about access to the stations?	The contractor shall carry out the work as per SoW. OIL will share the available data and facilitate access.
2	4.1.C.ii 4.2.A.ii	4.1.C.ii : Reservoir Capacity Estimation: Develop conceptual model to identify the four best ranked well clusters to estimate reservoir capacity and heat flow, accounting for production viability and projected field life.  4.2.A.ii : Reservoir Capacity Estimation: Develop model of the five (05) well clusters to estimate reservoir capacity	Model Specifications please.  Phase-1 simple model specifying reservoir extents based on seismic / MT/well section data along with reservoir potential estimation should be sufficient.	In Phase-1, preliminary assessment has to be carried out for identification of best four clusters and recommendation

		and heat flow, accounting for production viability and projected field life.	<p>What about Phase-2?</p> <p>Phase - 2 : 3D numerical model needs to be generated for suitability with drilling plan?</p> <p>Please provide model specifications. (please specify exactly what data needs to be part of model in each phase (especially Phase- 2)).</p>	<p>s are to be given for go or no-go.</p> <p>In Phase-2, the detailed model has to be developed for selected reservoirs, incorporating petrophysical properties, lithology, porosity etc.</p>
3	4.2.B.ii	<p>Workovers and Modifications of Abandoned OGG Wells: Outline necessary modifications for existing O&amp;G wells viable for geothermal use, which may include:</p> <p>Well Integrity Assessment: Perform integrity assessments of casings, liners, cementing, other sub-surface and surface components.</p> <p>Re-completion and Wellhead Modifications: Modify wellheads and downhole configurations to withstand geothermal conditions, including adjustments for higher temperatures and corrosive fluids.</p>	<p>The well assessment will be done for a select group of wells generally representative of the wells in that cluster and not for each and every well in the cluster.</p> <p>We will only review existing history provided by OIL and suggest tests/ modifications needed. No tests/modifications will be performed by us. Suggest tests and studies - YES, Perform tests and</p>	<p>The contractor shall carry out assessment for each well in the selected cluster.</p>

			studies -NO. Widely out of scope for such a study.	
4	4.2.C	<p>Power Generation and Technology Selection:  Technology Selection: Binary Cycle Power Plant  Design: Identify and specify binary cycle technology or other appropriate technologies due to moderate-temperature resources in repurposed wells.  Heat Exchanger Sizing and Specifications: Determine the size and specifications for heat exchangers and other core plant equipment.  Schematic Development: Develop schematics for the Steam- field Above Ground System (SAGS), covering wellhead manifolds and piping layouts.  Create a schematic for the Power Island, including components such as turbines, generators, cooling systems, and transformers.</p>	Needed to be done completely for each cluster or only for Cluster 5 and Those clusters in which good Techno-Commercial viability is found (or the best of the remaining Clusters)?	Needs to be done on all five clusters.
5	Phase-2 Delivera	<p>Report submission: The final recommendation will be submitted in the form of a report on successful completion of the project. The Report will be submitted in hard and soft copy formats. The consultant shall provide entire project backup of Phase-I and II including software project backup at CoEES's workstation. The Report (2 hard copies and soft copy) will cover details of methodology adopted for the study, results of the study incorporating recommendations thereof, etc. The Contractor must present the draft report at CoEES,</p>	<p>3x Final Report Presentations? All 3 presentations are required to be done physically or draft presentation can be done virtually?</p> <p>Clarity needed on Software deliverables. What exactly is</p>	<p>Phase-1 presentation will be held at CoEES</p> <p>Phase-2 draft presentation will be held at CoEES</p>

	bles	<p>Guwahati on completion of the study, and final physical presentations to be made at CoEES, Guwahati and Corporate Office, Noida or any other locations within India after incorporating necessary corrections and changes suggested by OIL, if any.</p> <ul style="list-style-type: none"> <li>• Draft of final report to be discussed with OIL for incorporation of OIL's opinion, if any, before submitting the final report.</li> </ul> <p>Acceptance of final report by OIL will be treated as the completion of the project.</p>	<p>meant by software project backup? We will be providing soft copies of the reports and viewable models (if any) of the models developed in our analysis softwares.</p>	<p>Final presentation will be conducted at CoEES and Noida/FHQ.</p> <p>Project Manager and one core team member should be physically present in all the presentations.</p> <p>Software used by contractor to develop the models shall be given to OIL for viewing the models,etc..</p>
6		<p>Report submission: The final recommendation will be submitted in the form of a report on successful completion of the project. The Report will be submitted in hard and soft copy formats. The consultant shall</p>	<p>Post submission assistance period will also be treated as contract period? If so, will Payment be released after submission or held till end of</p>	<p>Final payment will be made upon acceptance</p>

	Phase-2 Deliverables VS 5.4	<p>provide entire project backup of Phase-I and II including software project backup at CoEES's workstation. The Report (2 hard copies and soft copy) will cover details of methodology adopted for the study, results of the study incorporating recommendations thereof, etc. The Contractor must present the draft report at CoEES, Guwahati on completion of the study, and final physical presentations to be made at CoEES, Guwahati and Corporate Office, Noida or any other locations within India after incorporating necessary corrections and changes suggested by OIL, if any.</p> <ul style="list-style-type: none"> <li>• Draft of final report to be discussed with OIL for incorporation of OIL's opinion, if any, before submitting the final report.</li> <li>• Acceptance of final report by OIL will be treated as the completion of the project.</li> </ul> <p>5.4 Post submission of the Final report, the Consultant shall provide support &amp; assistance for additional 03 months for any clarification of the report and to address any technical query raised during approval process of the Feasibility report by the competent authority of OIL.</p>	3 month period? 3 Month Duration should not be counted towards contract duration and Penalty duration effectively reducing contract duration to 3 months.	of the final report. Additional 3 months will not be included in the project timeline				
7		<table border="1" data-bbox="454 1150 1328 1345"> <thead> <tr> <th data-bbox="454 1150 1115 1273">Milestones</th> <th data-bbox="1115 1150 1328 1273">Terms of Payment</th> </tr> </thead> <tbody> <tr> <td data-bbox="454 1273 1115 1345">Kick-off meeting</td> <td data-bbox="1115 1273 1328 1345">-</td> </tr> </tbody> </table>	Milestones	Terms of Payment	Kick-off meeting	-	Phase – II Deliverables: Geothermal Resource Potential Assessment Report: A detailing the results of	The draft report will include a detailed geothermal resource
Milestones	Terms of Payment							
Kick-off meeting	-							

8.5 Table	Data analysis, Review and preliminary resource assessment of abandoned/to-abandoned wells of MPA, Upper Assam Basin - Report Submission	20%	<p>evaluation of geothermal well clusters for geothermal resource potential.</p> <p>Feasibility Study Report: Comprehensive document covering all elements within this Scope of Work.</p> <p>Geothermal resource assessment report and Feasibility study report will suffice as draft report? Because economic evaluation, Power Island, T&amp;D lines can be done individually or clubbing multiple clusters together and that should not be counted towards payment milestones.</p>	<p>assessment and feasibility report for each of the identified clusters (best 4+1) as outlined in the SoW.</p> <p>The draft reports will incorporate the resource assessment and technology to be adopted for that particular cluster.</p> <p>However, the final report shall be provided as per SoW.</p>
	Geothermal Location/Site Visit Memo and submission of the Phase-I report	10%		
	Submission of the draft report - feasibility study of Well Cluster-1 in accordance with SoW Clause No. 4.2 (Phase-II)	10%		
	Submission of the draft report - feasibility study of Well Cluster-2 in accordance with SoW Clause No. 4.2 (Phase-II)	10%		
	Submission of the draft report - feasibility study of Well Cluster-3 in accordance with SoW Clause No. 4.2 (Phase-II)	10%		
	Submission of the draft report - feasibility study of Well Cluster-4 in accordance with SoW Clause No. 4.2 (Phase-II)	10%		
	Submission of the draft report - feasibility study of Well Cluster-5 in	10%		

		accordance with SoW Clause No. 4.2 (Phase-II)			
		Acceptance of Final Integrated feasibility Reports	20%		
8	6.3	6.3 A discussion/review between OIL and Contractor shall be held via online/offline mode every fortnight on the progress of the project. Interim draft fortnightly report on progress of the project shall also be delivered to OIL by the Contractor.		Fortnightly presentation will suffice? Or need actual drafts of the report to the extent completed?	Progress report and fortnightly presentation will be delivered to OIL to ensure regular updates on the project status and findings.
9	7.4 and 7.6	7.4 All the relevant documents clearly supporting the above- mentioned experience should be duly attested/vetted by the CEO/Country Head/Chief Operating Officer of the organization. The educational qualification details and its proof is also to be provided for all the proposed members for the project.		7.4 -> Should we provide their college certificates??	As per BEC&BRC, should provide biodata/experience of the project manager and 3 Associates. If any additional requirement, contractor shall arrange without
	7.4 and 7.6	7.6 The names of the core team members along with their biodata/experience certificates/ profile (in attached format as Annexure-XXX) must accompany the bid/quote. The personnel fulfilling the experience		7.6 -> We will provide the core team member's credentials and they will be the ones to do the major part of the job. But Others will not be allowed to work on the study? We cannot right now predict who will be visiting sites, so cannot	

		criteria as mentioned in BEC and approved by OIL shall only be allowed for the study.	provide all our personnel's biodatas. We also need other people working at the backend, who do not possess requisite experience outlined in BEC, but vital for study completion. For example, Electrical Engineers, T&D experts, Financial analyst not listed in BEC, but will be needed.	any financially implication.
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**Hiring consultant for "Feasibility Study of Re-Purposing Abandoned/to-be abandoned Oil & Gas Wells for Geothermal Exploration in MPA, OIL's Operational Area, Upper Assam Basin"**

**PRE-BID QUERIES by **Telesto Energy****

<b>S/ N</b>	<b>Tender clause no</b>	<b>Queries</b>	<b>Reply</b>
1	3.II. 3.1 (Page 80 of 153)	Please confirm if <b>CLOSE-LOOP GEOTHERMAL WELL or Enhanced Geothermal System</b>	To be assessed by the contractor, based on study.  It is part of SoW.
2	3.II. 3.1 (Page 80 of 153)	Please confirm if the static model has <b>Geothermal gradient, rock properties, Heat coefficient properties</b>	Proper model has to be developed by Contractor with available data.
3	3.II. 3.1 (Page 80 of 153)	Please confirm if <b>network of fractures (natural fracture) present</b>	Not available. However Petrophysical logs, well information, etc are available to assess
4	3.II. 3.1 (Page 80 of 153)	Please confirm <b>Geomechanical study available to access the reservoir fluid temperature difference effect</b>	Geo-mechanical study report will be shared, which was done in some areas/fields, if available
5	3.II. 3.1 (Page 80 of 153)	Please confirm if <b>Geochemistry study available to evaluate CO2 and H2S effect</b>	Not available
6	3.II. 3.1 (Page 80 of 153)	Please confirm what is the <b>working fluid water or Co2</b>	Formation water

7	3.II. 3.1 (Page 80 of 153)	<b>Please confirm the availability of well integrity data (CBL, VDL, Casing Pressure, Annular pressure test, Casing inspection logs, wellhead and x-mas tree inspection report. cementing report)</b>	OIL will provide the data depending on availability
8	2.8.7 (Page 34 of 153)	<b>Please confirm if Purchase Preference (Linked with Local Content) (PP-LC) and purchase preference to MSE can be considered</b>	Not applicable for QCBS Tender
9	1.7.12 (page 11 of 153)	<b>Please confirm if Oil India Ltd can implement EMD exemption under startup India.</b>	Please refer Appendix-C in Part B of this corrigendum

**Hiring consultant for "Feasibility Study of Re-Purposing Abandoned/to-be abandoned Oil & Gas Wells for Geothermal Exploration in MPA, OIL's Operational Area, Upper Assam Basin"**

**PRE-BID QUERIES by HALLIBURTON**

<b>Sr</b>	<b>Page No.</b>	<b>Section</b>	<b>Tender clause</b>	<b>Clarification sought</b>	<b>OIL's Reply</b>
1	3	2.3	Feasibility study will be carried out for a total of five (5) best ranked well clusters based on Phase-I, including cluster 5.	It should be added that there will be standardization of energy resource estimation criteria for work that has been carried out (in-house) in Cluster 5.	Presently industry-accepted robust method for resource estimation can be adopted
2	3-4	3.0	Proposed Clusters: Cluster 1 = 9 wells Cluster 2 = 11 wells Cluster 3 = 1 well Cluster 4 = 22 wells	<ul style="list-style-type: none"> <li>• Of the total 680 wells are abandoned/to be abandoned in MPA of OIL, Cluster 1-4 consist of only 43 wells. Does that mean the rest of the wells (637 wells) are in Cluster 5?</li> <li>• In addition, can the proposed clusters be changed, if there are any future considerations??</li> </ul>	<ul style="list-style-type: none"> <li>• No.</li> <li>• Yes, proposed clusters can be changed based on the assessment in Phase-1.</li> <li>• The best four clusters will be identified and their feasibility study will be carried out in Phase-2</li> </ul>

3	4	3.1	<p>The following set of data are available for all the drilled wells in MPA area:</p>	<ul style="list-style-type: none"> <li>• Are 1D Geomechanics / Mechanical Earth Models (MEM) for each well and 3D MEM for each field available? Or will that be part of the Scope of Works?</li> <li>• Will we receive previous well correlation, petrophysical interpretation, geochemical analysis, seismic interpretation (faults &amp; horizons), seismic attribute/inversion analysis, as well as static and dynamic models, or should we perform those tasks from the beginning? We need to confirm these because they are not mentioned in data availability.</li> </ul>	<ul style="list-style-type: none"> <li>• Part of SoW, models will be developed for the best five clusters.</li> <li>• Yes, OIL will provide the available data and models. If it is not suitable, the contractor shall develop.</li> </ul>
4	6	4.1.C	<p>However, geochemical analysis shall be carried out suitably in minimum 03 wells for each well clusters by the contractor to assess the geothermal resources, scaling and corrosion potential</p>	<ul style="list-style-type: none"> <li>• Cluster 3 only has 1 well</li> <li>• Since geochemical analysis must be performed in Phase I, the 8-week duration given for Phase 1 may be too tight. Given that there will be preliminary data analysis, sample selection and preparation, sample handling and shipping, which will be performed prior the geochemical analysis itself.</li> </ul>	<ul style="list-style-type: none"> <li>• Yes. The geochemical analysis will be carried out in available wells in clusters having. Otherwise, a minimum of 3</li> </ul>

					<p>wells are to be selected in one cluster.</p> <ul style="list-style-type: none"> <li>• Contractor may provide revised activity breakup for proposed project timeline without affecting the total project timeline (26 weeks)</li> </ul>
5	87	5	The total duration of project shall be of 26 weeks from the date of the commencement of contract	<ul style="list-style-type: none"> <li>• Requesting OIL India to increase the duration of the contract to 35 weeks, as the same time is required to perform the detailed study.</li> </ul>	No
6	2	2.0	Objective of Study for Feasibility	Objective of Feasibility study is not mentioned clearly whether it is for electricity or other direct utilisation such as heating, or others. Please clarify and state the objective of the Feasibility Study	To be assessed by the contractor, based on study. It is part of SoW.
7			SoW/TOR Cluster 5.	Please ask for the variable or criteria in Pre-Feasibility report of Cluster 5. Because the	OIL will provide the pre-feasibility report

	4	3.0	This cluster has Pre-Feasibility study report NOT Feasibility study. In order to rank the cluster we need to have same level of criteria and data as in Cluster five	same criteria of data will be used for other cluster for study and analysis to create Pre-Feasibility report for cluster 1,2,3,4	of cluster-5, however the contractor needs to revise and refine the criteria as per Industry accepted standards.
8			FEASIBILITY The title of this study is Feasibility. It implies that the project will be ready to be produced. Hence more data apart from resources and technical data is required for analysis. The additional data include: market study, price, infrastructure, ESIA, LARAP and many more.	Please clarify if the client can provide the report of non technical data and non resource data because for 8-10 weeks it is not possible to conduct such works.	Contactors shall arrange on their own.
9			Raw data	For 2 months work (8-10 weeks) it is not possible to analyze raw data. Report that summarize the data that useful for resource assessment is preferable, such as Report on stratigraphy unit, report of reservoir rocks and its characteristics, heat flow map etc rather than the consultant conducting them	The available Reports and information will be shared.

				from the beginning.	
10	63	30.b	<p>If the contractor is unable to mobilize/deploy and commence the operation within the period specified in sub clause (a) above, it may request OIL for extension of the time with unconditionally agreeing for levy and recovery of LD. Upon receipt of such a request, OIL may at its discretion, extend the period of mobilization and shall recover from the CONTRACTOR, as an ascertained and agreed Liquidated Damages, a sum equivalent to @ 0.5% of contract value including mobilization cost, per week or part thereof of delay subject to maximum of 7.5% of the Contract Price</p>	<p>Requesting OIL India to kindly change the applicable Liquidated Damages, a sum equivalent to @ 0.5% of contract value including mobilization cost, per week or part thereof of delay subject to maximum of 5% of the Contract Price.</p>	Not considered.

<b>Request for Addition of the following clauses from OIL INDIA</b>		
1.	The Contractor warrants that it will use reasonable endeavors to perform the services with the degree of care, skill, and diligence commonly accepted in the petroleum industry. The Contractor does not warrant the accuracy, completeness, or correctness of any interpretation or recommendation arising from services. The Contractor receives a full waiver of all liability and claims from OIL INDIA regarding any interpretation or recommendation for services. OIL INDIA accepts all responsibility for decisions based upon recommendations made by the Contractor. Consulting services are provided as is.	Not acceptable
2.	Third-Party Personnel, Equipment, and Property. OIL INDIA indemnifies the Contractor for injury or loss suffered by a third party that arises from third-party claims relating to or arising out of the consulting services.	Not acceptable
3.	<p>Confidentiality: - OIL INDIA warrants that it will not</p> <ul style="list-style-type: none"> <li>• release the information provided in the consulting engagement to unaffiliated third parties,</li> <li>• release the report to financial institutions or use it to raise capital,</li> <li>• publish the report on the World Wide Web, or</li> <li>• use the consulting report for a public offering for securities or the sale of securities.</li> </ul> <p>OIL INDIA cannot file this report with any public offering for investment purposes.</p>	Not acceptable
4.	<p>Reliance upon OIL INDIA Data and Information</p> <p>OIL INDIA is responsible for providing the Contractor with data and information required to perform the consulting services. The Contractor can rely upon such data and information and is not liable for its sufficiency or accuracy. OIL INDIA indemnifies the Contractor and its subcontractors for any claims arising from the violation of any third-party proprietary right over the data provided by the customer.</p>	Accepted and <b>amended</b>

<p>5.</p>	<p>i. <b>Confidentiality:</b> OIL acknowledged that the contractor is the sole and exclusive owner of, or otherwise has the legal right to, the software and all patents, copyrights, trade secrets, trademarks, and other intellectual properties and properties rights therein. No title to or ownership of the software or the patents, copyrights, trade secrets, trademarks or other proprietary rights contained therein is transferred to OIL by this contract. Contractor grants to OIL a perpetual, nonexclusive, non-transferable license to use the object version of the Software solely for OIL's own internal use during the term of this contract.</p> <p>ii. <b>Intellectual Property:</b> While performing the Work for the Company, Contractor may utilize expertise, know-how and other intellectual capital (including intellectual property) and develop additional expertise, know-how and other intellectual capital (including intellectual property) which are contractor's exclusive property and which contractor may freely utilize in providing services for its other customers. Except where expressly and specifically indicated in writing, and in exchange for appropriate agreed payment, contractor does not develop any intellectual property ownership by company, Contractor retains sole ownership of any such intellectual capital (including intellectual property) created by contractor during the course of providing the services.</p> <p>iii. <b>Data Interpretation:</b> Company accepts full responsibility for any investment made based on results from the Work. Any interpretations or analyses of geophysical or other company data, and any recommendation or reservoir description based upon such interpretation or analyses are opinions based upon inferences and assumptions are not infallible, and with respect to which professional geoscientists may differ. Accordingly, Contractor cannot and does not warrant the accuracy, correctness or completeness of any such interpretation, recommendation or reservoir description and Company hereby releases and indemnifies contractor for any claim relating to investment or operational decisions made by the company and arising from the Scope of Work of the contract.</p>	<p>Not applicable for this tender for hiring consultancy services, not accepted.</p> <p>Intellectual property clause is already in SCC, so no need to change.</p> <p>No need to change.</p>
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	<p>iv. <b>Limitation of Liability:</b></p> <p>a) Notwithstanding any other provisions herein to the contrary, except only in cases of willful misconduct and/or criminal acts and/or criminal negligence, neither the SELLER nor the PURCHASER 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 SELLER 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>b) Notwithstanding any other provisions incorporated elsewhere in the purchase order/contract, the aggregate liability of the Seller in respect of this contract, whether under Contract, in tort or otherwise, shall not exceed the value of defective Goods/Services, 100% of the Contract price, provided however that this limitation shall not apply to the cost of repairing or replacing defective equipment by the Seller, or to any obligation of the Seller to indemnify the Purchaser with respect to Intellectual Property Rights or liquidated damage or Performance Bank Guarantee.</p> <p>c) Purchaser shall indemnify and keep indemnified Seller harmless from and against any and all claims, costs, losses and liabilities in excess of the aggregate liability amount in terms of clause (b) above.</p>	<p>Not acceptable.</p>

**END OF PART-A**

# PART-B

## 1.0 THIS CORRIGENDUM IS BEING ISSUED TO MODIFY THE FOLLOWING:

I. Following Proformas are required to be submitted by bidder:

**Appendix-3**

### **UNDERTAKING REGARDING NON-INCLUSION OF HAZARDOUS SUBSTANCES**

[as per GCC Clause No. 14.16 (v)]

[On company's Letter Head]

To,

**M/s OIL INDIA LIMITED,  
CONTRACTS DEPARTMENT\_  
GUWAHATI, ASSAM, INDIA, PIN-781171**

*Dear Sir,*

This has reference to your Tender No. .... Dated 20\_\_ on the subject .....

We.....(Name of the Company) confirm that no hazardous substance as stipulated in the Public Liability Insurance Act 1991 and the Rules framed thereunder will be handled during the performance of the aforesaid Tender/ Contract.

It is hereby also confirmed that we will hold OIL harmless in case of any claim on us under the Public Liability Act Policy covering the statutory liability arising out of accidents occurring during the currency of the contract due to handling hazardous substances as provided in the Public Liability Insurance Act 1991 and the Rules framed thereunder.

Signature

(Name & Designation of Authorized person)

**STARTUP AND MSE VENDORS**

In case a Startup [defined as per Ministry of Commerce and Industry (Department of Industrial Policy and Promotion, DIPP) latest notification]/ MSE is interested in supplying the tendered item but does not meet the Pre-Qualifying Criteria (PQC)/ Proven Track Record (PTR) indicated in the tender document, the Startup/MSE is requested to write a detailed proposal separately, and not against the present tender requirement, to the tender issuing authority about its product. Such proposals shall be accompanied by relevant documents in support of MSE (where applicable) or in case of Startup, following documents shall be given:

1. Certificate of Recognition issued by the Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India.
2. Certificate of incorporation.
3. Audited Profit & Loss (P&L) Statement of all the Financial Years since incorporation. In case where the Balance sheet has not been prepared, bidder shall submit a certificate in original from its CEO/CFO stating the turnover of the bidding entity separately for each Financial Years since incorporation along with a declaration stating the reason for not furnishing the audited P&L Statement. This certificate shall be endorsed by a Chartered Accountant/Statutory Auditor.

The Proposal shall be examined by OIL and OIL may consider inviting a detailed offer from the Startup/MSE with the intent to place a TRIAL or TEST Order, provided the Startup/MSE meets the Quality and Technical Specifications.

In case the Startup/MSE is successful in the Trial Order, the vendor shall be considered for PQC exemption/relaxation (as the case may be) for the next tender for such item till the time it remains a Startup/MSE.

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(To be submitted by the successful bidder post award of contract only)

To,  
The General Manager (HR)  
OIL, Guwahati

Through: **HOD-COEES**

Undertaking for Engaging Engineers/Professionals Only

1.	Contract No.	
2.	Name of the Contractor.	
3.	Nature of Contract	
4.	Department.	
5.	Location.	
6.	Number of Engineers/Professionals to be Engaged.	
7.	Period of Contract.	
8.	Start Date and End Date of Contract.	
9.	Name of the Responsible/Contact Person.	
10.	Telephone/Mobile No. of the contractor personnel.	

I/We declare that I/we have been awarded a contract in Oil India Limited, Guwahati vide contract no \_\_\_\_\_ to carry out the job of \_\_\_\_\_ in COEES Department.

2.0 I/We confirm that only Engineers or Professionals who are not considered as contract labours will be engaged to carry out the activities of the contract.

3.0 I/We also declare that no Contract Labour [under the provisions of CL(R&A) Act, 1970 and rules framed thereunder and ISMW Act, 1979] will be engaged to carry out the above-mentioned activities at any point of time during the execution of this contract. Hence, Labour Clear Advice (LCA) and Labour License is not required.

Seal and Signature of the Contractor

**II. Following clauses are included under clause no. 3.0 of SCC (Part -3 Section III) of tender document:**

**“Liquidated Damages:** If the Seller/Service Provider fails to deliver any or all of the Goods/Services within the original/re-fixed delivery period(s) specified in the contract, The Buyer will be entitled to deduct/recover the Liquidated Damages for the delay, unless covered under Force Majeure conditions aforesaid, @ 0.5% of the contract value of delayed quantity per week or part of the week of delayed period as pre-estimated damages not exceeding 7.5% of the contract value of delayed quantity without any controversy /dispute of any sort whatsoever.”

**Reliance upon OIL INDIA Data and Information:** OIL INDIA LTD. is responsible for providing the Contractor with data and information required to perform the consulting services. The Contractor can rely upon such data and information and is not liable for its sufficiency or accuracy. OIL INDIA LTD. indemnifies the Contractor and its subcontractors for any claims arising from the violation of any third-party proprietary right over the data provided by the customer.

**III. BEC Clause No. 3.2.1 of tender is amended as follows:**

3.2.1: In support of the experience criteria of Clause No. 3.1.1 above, the bidder must furnish documentary evidence citing names and addresses of the clients along with project description for whom the project(s) have been completed. **The provided list needs to be supported with bidder CEO certification / an undertaking from the authorized signatory of bidder having the Power of Attorney / paper published in various professional societies and any other document substantiating the bidders experience along with period of work done.**

**END OF PART-B**

**2.0 ALL OTHER TERMS AND CONDITIONS SHALL REMAIN  
UNCHANGED IN THE ABOVE TENDER**

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