

**MINUTES OF PRE-BID CONFERENCE AGAINST TENDER NO. CDG1588P20 FOR
"SETTING UP OF VIRTUAL REALITY CENTRE AT OIL'S FIELD HQ,
DULIAJAN, ASSAM INCLUDING DISPLAY MANAGEMENT SYSTEM,
HARDWARE, SOFTWARE AND DESIGN AND SETTING UP OF VR ROOM"
HELD ON 19TH AND 20TH JUNE, 2019 AT CONFERENCE ROOM OF
KENILWORTH HOTEL, KOLKATA**

Members Present		
1.M/s Barco Electronic Systems Pvt. Ltd. Mr. Tapan Naswa	2. M/s Halliburton Mr. Jagannath Mukherjee Ms. Palka Ahuja	3.M/s Emerson Mr. Sanjay Vohra Mr. Surya Prakash Das Mr. Rajan Singh Mehra
4.M/s Veerel Enterprises Mr. Ravi Kumar	5. M/s Tagbin Services Mr. Ankit Sinha	6. M/s Schlumberger Mr. Prasanna Tellapaneni Mr. Manish Gupta Mr. Sumit Lohia Ms. Vinita Nair
7. From M/s Oil India Limited Mr. Rajib Sarma - ED-BM (Shelf) Mr. Jayanta Phukan - CGM (i/c) (Expl. Basin) Mr. Goutam Maji - DGM (F&A) Mr. Dipjyoti Deka - Dy. CG Ms. Saqueba Samin - Dy. CG Ms. Upasana Malakar - SCO (Global)		

A Pre-Bid Conference (against Tender No. CDG1588P20 for setting up of Virtual Reality Centre at OIL's Field HQ, Duliajan, Assam including Display Management System, Hardware, Software and Design and Setting up of VR Room) was held on 19th and 20th June, 2019 at Conference Room of Kenilworth Hotel, Kolkata wherein representatives from various service providers were present along with OIL team.

All the queries put forward by the service providers were discussed in detail. OIL's response to these queries (including the queries which were kept for further discussion by OIL internally) shall be forwarded to all the parties in due course of time.

Amendment to tender documents shall be uploaded in the E-tender Portal for the changes/modifies/deleted clauses which have been agreed to while the remaining clauses shall be as per the original tender.


Barco


Halliburton


Emerson

Veerel

Tagbin


Schlumberger


OIL's Representative

Note: M/s Veerel and M/s Tagbin attended the Pre-bid conference. However, they left early due to personal urgency.


20/6/2019
(Goutam Maji)
CFAM (FC)
20/6/19

IFB No. CDG1588P20 for Setting up of Virtual Reality Centre at OIL's Field HQ, Duliajan, Assam including Display Management System, Hardware, Software and design and setting up of VR Room.

SL. NO.	CLAUSE NO.	DESCRIPTION	QUERY / SUGGESTION	REMARKS	OIL'S REPLY
FORWARDING LETTER					
1.	Page 2 (xv)		Up to 3(three) months from date of completion of contract	OIL to confirm if the PBG for the Job is to be 3 months from date of completion of job (i.e. 3 months from 150 days from LOA)	The validity of PBG shall be 03 (Three) months beyond the warranty period. Clarified.
2.	Page 2 (xvi)		Contract will be awarded as works Contract. Five Months 150 working days for Job completion + 5 Years AMC (AMC will start after warranty period)	Request OIL to change this to 150 working days to account for unplanned handhs/disruptions to the work.	* Understood. Clarified. 150 days shall be counted excluding Sundays, OIL holidays and bandhs as certified by OIL.
3.	Page 2 (xvi)		Contract will be awarded as works Contract. Five Months 150 working days for Job completion + 5 Years AMC. (AMC will start after warranty period)	Bidder wants to inform OIL that it is our understanding that works contract attracts 18% GST irrespective of EC.	* Clarified. For works contract, EC is not applicable and GST shall be 18%.
PART I - INSTRUCTIONS TO BIDDERS					
4.	Page 21: 37		Purchase Preference Policy - Linked with Local Content (PP-LC)	Since most of the work is supply, request OIL to consider that MSME benefit be extended only to the manufacturer of the	It is a works contract, MSME shall be applicable as per the Govt. Policy for works contract.

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Schubert & Partner

* The contract shall be award as works contract for 180 days (6 months) incl. holidays & OIL bandhs + 5 yrs AMC

* EC shall be applicable. However, the credit of GST paid

input @ 5% against EC issued by DBI, Hydrocash would be available against the GST payable on total value of works contract.

31/08/2019

30/8

30/8

30/8

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				tendered items if MSME.	
PART 2 – BID EVALUATION CRITERIA (BEC)					
	1.1.2: A		The Bidder must have the experience of setting up at least two (2) such Virtual Reality Centers comprising of multi-channel LED/Laser stereoscopic cubes display system providing at least 8 million pixels resolution in 2D & Active 3D together with Display Management System capable of processing multiple 3D and 2D sources together on screen for major oil and gas companies globally in the	For clarity sake	Clarified. The term 'such' refers to VR center with specifications (as mentioned in the NIT points Part-3 Section-II, subsection 2.1.1- clause i, ii, iii, iv, vii and subsection 2.1.2 clause iii.)
5.	1.1.2: A	Experience: Notes:	For proof of requisite Experience (refer clause Notes to BEC Clause 1.1.2, A. Experience (a), (b), (c), (d), (e) of BRC, the bidder shall submit copies of contracts with the detail scope, along with relevant documentary evidences in respect of satisfactory execution of the contract and execution of requisite value, in the form of copies of any of the documents (indicating respective contract number and type of services), such as:	OIL to clarify if documentary proof of supply of hardware (storage, workstations etc.) is also to be provided.	Yes. Clarified.
6.	1.1.2: A (b)	Experience:	Bidder can quote third party software for the items specified in Part-3, Section-I Section II.	To clarify the exact requirement. Also, bidder	Clarified. Applicable only to third party. Certification

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			Sub-section-4, clause 4.1 and 4.2 of the tender document. For 4.2, Bidder must provide only such third-party software of which at least three (3) licenses of any 3 software modules have been sold by the Bidder or by the third party itself in last three (3) years preceding from bid closing date of this tender. For documentary evidence against Cl 4.2 of Section II, Sub-section-4, Bidder has to provide documentary evidence along with the contact address for the same.	wishes to indicate that the software listed in clause 4.1 are generally provided along with the hardware and a separate documentation proving supply of these software is not possible.	for software which is an integral part of hardware may be certified by the bidder.
7.	1.1.2; A (c)	Experience:	Bidder has to provide documentary evidence for at least one major upgrade of the G&G software during the last two (2) years preceding from the original bid closing date of this tender.	OIL to clarify what construes documentary evidence of a major upgrade. Bidder proposes that an existing AMC contract should be considered as documentary evidence as it includes provision for major upgrade of software.	Clarified. Release Notes should be provided.
8.	1.1.2; A (d)	Experience:	The Display system, VR Projectors and screen are the most important components of the tender. In view of this, the OEM for display system should have installed at least	For more clarity.	Already clarified. No change in the original clause.

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			one (1) multi-channel <u>LED/Laser</u> stereoscopic display system in India in last seven (7) years. Bidder has to provide documentary evidence along with the contact address for the same.		
9.	1.3	Mobilization and Project Completion Time	<p>(i) The Contractor must mobilize their personnel, equipment, tools, spares and all other necessary materials immediately within a maximum of 30 days from the date of issue of Letter of Award (LOA) by the Company.</p> <p>(ii) Installation and commissioning of the complete VR Setup is to be ready within one hundred fifty (150) days from date of issue of LOA.</p> <p>Offers must confirm the point 1.41.3, i) & ii) above. Offer will be rejected in case of Noncompliance/Deviation of point 1.41.3, i) & ii) above.</p>	Typo; should be 1.3 instead of 1.4; request OIL to please rectify.	Agreed.
10.	2.0	Commercial Evaluation Criteria	OIL to confirm if the bid evaluation will be on the basis of L1 bidder		Confirmed.
11.	3.0	Bid Evaluation Criteria	1 st Para: The bids conforming to the technical	Request OIL to kindly clarify what is the	Typo Error. "and finalized for 02 (Two) years and

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			specifications, terms and conditions stipulated in the bidding document and considered to be responsive after subjected to Bid Evaluation Criteria will be considered and finalized for 02 (Two) years. The evaluations as per the Price Evaluation Criteria are as under	requirement that needs to maintain for 2 years.	finalized for 02 (Two) years" stands deleted.
12.	4.0 h)	General:	The Bidder must provide details of make and models of all major items and certification of authorization from OEM. Failure to provide details will render Bid invalid.	OIL to clarify the major items for which OEM authorization is required. Major items are Active 3D stereoscopic display system and Display Management System	Major items includes Active 3D stereoscopic display system and Display Management System as well as work station, storage and server.
13.	4.0 (h) page 34	General:	The Bidder must not provide solutions involving products that have reached or nearing end-of- life. Certification from OEM <u>for major items</u> for the same along with availability of spares for entire period of the contract are to be provided. Additionally, declaration must be submitted stating that the Main VR setup Hardware and Software that the Offered model of the is not going to become obsolete in coming 5 years [after warranty period]	Oil to clarify that EOL certification will be arranged only for major item and major items are Active 3D stereoscopic display system and Display Management System (DMS)	Already clarified above.

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14.	4.5 & 4.6		Kindly add the following clause: Responsibility to provide EC is on Oil. SLB will quote 5% GST only if Oil agrees to provide EC and if EC is not provided, then GST as per HSN will be charged.	Bidder interpretation of the customs duty notification is that this facility is not valid to VRC and hardware. Therefore, request Oil, to kindly consider this clause	Already Clarified, EC is not applicable.
15.	5.0	Purchase Preference Clause	Bidder respectfully submits that from the Price Schedule Proforma, that this tender has predominant scope of work which is <i>primarily supply of hardware items</i> from OEMs like Barco/ Christie etc., supply of application software and associated services like civil work, installation and maintenance components. - It is clear vide MSME policy Circular F. No. 21(8)/2011-MA dated 9 th November 2016 that incidental services like Installation etc. as in the present RFP, fall under the definition of "Goods". Accordingly, it is imperative that any MSME, if participating, should be deemed as a "Manufacturing Enterprise" and not "Service Enterprise"		Already clarified in Sl. No 4.

* point 14.

EC is applicable. However, the credit of GST paid on input @ 5% (against EC levied by Govt. Hydrocarbons) would be available against the GST payable on total value of works contracts.

31/07/2019

1/8/19

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PART 3, SECTION I – GENERAL CONDITIONS OF CONTRACT					
16.	2.2	Mobilisation Time	The mobilization of equipment, personnel etc. should be initiated by Contractor immediately after issuance of LOA by the Company. Mobilization shall be deemed to be completed when Contractor's all equipment and manpower are placed at the nominated site and in readiness to commence Work as envisaged under the Contract duly certified by the Company's authorized representative.	OIL to clarify what needs to be mobilized within 30 days. It is not possible to mobilize everything that will be installed within 30 days to Duliajan.	Clarified. Initiation of mobilization shall be done within 30 days after issuance of LOA.
17.	2.3	Date of Commencement of Contract	The date on which the LOA issued as certified by the Company's representative will be treated as the date of Commencement of Operation. The Commencement Date of the Contract will be reckoned from the day mobilization is completed as defined under Clause No. 2.2 above.	The 2 sentences are contradicting each other. 1 st sentence says commencement date shall be date of LOA and 2 nd statement says commencement date shall be date of completion of mobilisation as stated under Cl. 2.2. Hence, request OIL to delete the 1 st sentence, so that both clauses 2.2 and 2.3 are consistent	Clarified. Commencement date of contract shall be from the date of issue of LOA. Necessary modifications shall be done.

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18.	2.4	Duration of Contract	The contract shall be for a period of five months (one hundred and fifty) <u>working</u> days from the commencement of the Contract. + AMC for Five Year. (AMC will start after warranty period)	Request OIL to change this to 150 working days to account for unplanned bandhs/disruptions to the work.	Already clarified in Sl No. 2.
19.	4.4	New clause	"Provide Contractor with all reasonable assistance require to obtain any permits, licenses, approvals or clearances required by Contractor to perform the services."	Any documentation that is required from OIL for the Contractor to perform its service should be provided by OIL.	Clarified. It is understood that OIL shall provide all reasonable assistance required.
20.	5.3	Personnel to be deployed by Contractor	The Contractor shall be solely responsible throughout the period of the contract for providing all requirements of their personnel including but not limited to, their transportation to & fro from Duliajan/ field site, enroute/ local boarding, lodging & medical attention etc. Company shall have no responsibility or liability in this regard. However, Company shall provide available medical assistance/facilities to Contractor's Personnel in case of emergency at its own establishment on chargeable basis.	Request OIL to consider providing lodging to the hardware engineer to be stationed in Duliajan for the warranty period and AMC period.	Not acceptable.
21.	9.0		Kindly clarify:		Already clarified. Available in price bid.

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			There is no option to quote GST rate in the price bid.		
22.	9.21	Goods and Service Tax	<p>Kindly amend the clause as follows:</p> <p>Beyond the contract period, in case OIL is not entitled for input tax credit of GST, then any increase in the rate of GST beyond the contractual delivery period shall be to Service provider's account <u>only when the such extension of contract is due to the fault of the contractor</u> whereas any decrease in the rate GST shall be passed on to the OIL.</p>		As per Clause No. 30 of GCC, Subsequent Enacted Laws will be applicable.
23.	9.25	Goods and Service Tax	<p>Procurement of Specific Goods: Earlier, there is no tax incidence in case of import of specified goods (i.e. the goods covered under List-34 of Customs Notification no. 12/2012-Cus dated. 17.03.2012 as amended). Customs duty is not payable as per the policy. However, under GST regime, IGST Plus GST compensation cess (if applicable) would be leviable on such imports. Bidders should quote GST as inclusive exclusive considering IGST component for the imported Materials portion while quoting their prices on</p>	<p>Price bid format provided requests prices to be quoted exclusive of GST.</p> <p>OIL to kindly clarify where GST rate to be specified as there is no such provision in the price bid format.</p>	To be clarified.

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			destination basis. However, GST rate to be specified in the price bid format.		
24.	10.8	Insurance	Contractor shall obtain additional insurance or revise the limits of existing insurance as per Company's request in which case additional cost shall be to Contractor's <u>Company's</u> account	Insurance required should be specified at the tendering stage itself. Any new requirement or revision in existing insurance as per OIL's request post award of Contract shall be to OIL's account.	Agreed except statutory insurance.
25.	11.2	Changes	If any change result in an increase in compensation due to Contractor or in a credit due to Company, Contractor shall submit to Company an estimate of the amount of such compensation or credit in a form prescribed by Company. Such estimates shall be based on the rates shown in the Schedule of Rates (Section IV). Upon review of Contractor's estimate. Upon reaching an agreement as to the increase in the compensation due to the Contractor or Credit due to Company, as the case may be, Company Contractor shall establish and set forth in the Change Order the amount of the compensation or credit for the change or a basis for determining a	Any change in the Work and resulting change in the compensation should be mutually agreed between the Parties prior to implementation of such change.	No change in the original Clause.

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			reasonable compensation or credit for the change. If Contractor disagrees with compensation or credit set forth in the Change Order, Contractor shall nevertheless perform the work as changed, and the parties will resolve the dispute in accordance with Clause 13 hereunder. Contractor's performance of the work as changed will not prejudice Contractor's request for additional compensation for work performed under the Change Order		
26.	12.1	Force Majeure	Lines 1-2: In the event of either party being rendered unable by 'Force Majeure' to perform any obligation, <u>other than an obligation to make payment</u> , required to be performed by them under the contract.	Payment obligation should not be suspended because of any force majeure event	No change in the original clause.
27.	13.4 13.6	TERMINATION FOR UNSATISFACTORY PERFORMANCE:	If the Company considers that, the performance of the Contractor is unsatisfactory, or not upto the expected standard, the Company shall notify the Contractor in writing and specify in details the cause of the dissatisfaction. The Company shall have the option to terminate the	Request OIL to consider 30 days' notice.	No change in the original clause.

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			Contract by giving 45 30 days' notice in writing to the Contractor, if Contractor fails to comply with the requisitions contained in the said written notice issued by the Company.		
28.	13.7		Notwithstanding any provisions herein to the contrary, the Contract may be terminated at any time by the company either party on giving 45 (fifteen) 30 days written notice to the Contractor other party due to any other reason not covered under the above clause from 42.1 to 42.6 13.1 to 13.6 and in the event of such termination the Company shall not be liable to pay any cost or damage to the Contractor except for payment of services as per the Contract upto the date of termination including the De-mob cost, if any.	<ol style="list-style-type: none"> 1. Request OIL to consider 30 days notice 2. OIL to clarify if 12.1 to 12.6 or 13.1 to 13.6 as 12.4 to 12.6 does not exist 3. Request OIL to provide contractor the same rights for termination. 	No change in the original clause.
29.	16.1	Subcontracting	Contractor shall not subcontract, transfer or assign the contract, in full or any part under this contract, to any third party(ies). Except for the main services under this contract, Contractor may sub-contract the petty support services subject to Company's prior approval. However, Contractor shall be fully responsible for complete execution and	Bidder requests OIL to consider this change as the demolition/civil works are envisaged to be a third party.	<p>No change in the original clause.</p> <p>It is clarified. During the submission of bid, bidder has to mention the kind of jobs to be sub-contracted.</p>

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			performance of the services under the Contract.		
30.	18.0	Liquidated Damages for default in Timely Mobilisation	Time is the essence of this Contract. In the event of the Contractor's default in timely mobilization for commencement of operations completion of the project within the stipulated period, the Contractor shall be liable to pay liquidated damages @ 0.5% (half percent) of total contract value per week or part thereof of delay subject to maximum of 7.5% (seven & half percent). Liquidated Damages will be reckoned from the date after expiry of the scheduled mobilisation period till the date of commencement of Contract as defined in Clause No. 2.0 of Section 1 of Part 3. Completion of the project.	Bidder requests OIL to kindly consider the penalty against the completion of the project and not under the mobilization.	Clarified. No change in the original clause. It is understood that as no specific date for completion of mobilization date is mentioned, LD shall be applicable against delay in completion of the project.
31.	19.0	Performance Security	The Contractor shall furnish to Company a Bank Guarantee amounted to 10 % of estimated total Contract Price with validity of 3(three) months beyond the contract period towards performance security. The performance security shall be payable to Company as compensation for any loss resulting from Contractor's failure to fulfil	OIL to kindly clarify the duration of the contract period. Is it 3 months after the completion of the project or 3 months after the completion of the warranty period.	Already clarified in Sl. No. 1.

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			their obligations under the Contract. In the event of extension of the Contract period, the validity of the bank guarantee shall be suitably extended by the Contractor.		
32.	20.0	Association of Company's Personnel	1 st line, delete "chemist"	typo	No change in the original clause.
33.	26.0	Set-Off	<p>Replace with</p> <p>Any sum of money due and payable to the contractor (including Security Deposit refundable to them) under this made between Oil India Limited and the contractor may be appropriated by Oil India Limited and set-off against any claim of Oil India Limited for payment of a sum of money arising out of this contract after giving 7 days' prior written notice to Contractor.</p>	<p>Request to Set off against monies due under this or any other contract, provided it is limited to specific entity (vendor code of OIL).</p> <p>As agreed in recent OIL Direct Sale Tenders.</p> <p>Reference:</p> <ul style="list-style-type: none"> • PO 7203801/SSG/L5 dated 16.11.2018 • Tender SDG8185L19/09 • Tender SSG8247L19/05 • Tender SSG8275P19/05 	Clarified. No change in the original clause.

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34.	27	Withholding	Sub-clause (iv) delete "or on the basis... .. against Contractor" Delete sub-clause (v) in entirety Sub-clauses (vii) & (viii) delete in entirety	Withholding should be on clear conditions and not probability. This is Contractor's responsibility and has no bearing on the Company. Contrary to the knock-for-knock indemnity provision in Clause 22 of GCC. Monies cannot be withheld for such damages	GCC standard clause. To revert back.
35.	34.8	Payments, Manner of Payment, rates of Payment	Company shall within 30 5 days of receipt of the invoice notify the contractor of any item under dispute, specifying the reasons thereof, in which event, payment of the disputed amount may be withheld until settlement of the dispute, but payment shall be made of any undisputed portion on or before the due date. This will not prejudice the company's right to question the validity of the payment at a later date as envisaged in Clause 34.3 above.	Bidder requests OIL to notify within 5 days	Not acceptable.

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36.	34	Payments, Manner of Payment, rates of Payment	Add new clause Company agrees to pay interest on all amounts due and not paid in accordance with this CONTRACT. Interest will accrue at the higher of 1.5% per month of part thereof of the maximum amount permitted by law. COMPANY agrees to pay all reasonable and documented costs and attorneys' fees incurred by Vendor if any unpaid amount are collected through legal proceeding or by a collection agent.	Bidder request OIL to kindly add the late payment interest as payment commitment to the agreed credit term.	Not acceptable.
37.	34	Payments, Manner of Payment, rates of Payment	34.4 & 34.10 Request Company to pay mob and demob charges within standard payment terms of 30 days instead of 45 days	Bidder requests OIL to pay the mobilization and demobilization charges also with a payment term of 30 days instead of 45	Not acceptable.
Part -3 - SECTION-II – TERMS OF REFERENCE / SCOPE OF WORK					
38.	1.1	Brief description of the scope	Apart from supply of necessary hardware, software, design and fitting-up of the VR Centre, the scope of work necessarily includes seamless connectivity/compatibility with the existing G&G resources of the Company	OIL to kindly clarify the meaning of this statement.	Details shall be notified vide issuance of corrigendum.
39.	1.1.2	Hardware	These products must confirm to reputed brand and comply with Bureau of Indian Standards	OIL to confirm if BIS certificate is to be submitted	Yes.

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			(BIS).	for major hardware components	
40.	1.1.3		The Contractor will provide and install the entire software stack including.....software if any, must be provided on suitable optical media downloadable links with necessary and adequate number of permanent licenses and enabled at the time of installation & commissioning of the software.	OIL to consider this request to be provided downloadable links as part of the solution which will be perpetual and not be corrupted as physical media.	Files may be provided either via optical media or downloadable link.
41.	4.2		The Contractor will configure all the application software for minimal six (06) nos. of Workstations.	OIL to clarify this sentence. Are the bidders asked to install the application software in a minimum six workstations?	Clarified Yes, to install the application software in a minimum six workstations.
42.	5.1.4	Design and interior setting of VR Center	The experts from the contractor can visit and examine the room, in Duliajan in which the VR Centre is proposed to be set-up. The Contractor will have meeting with Company's representatives both at Duliajan and at Contractor's site as per requirement on the different VR Centre designs and will submit samples of interior fittings, colour schemes, etc, for approval within two weeks of issue of LOA. The setting-up of the VR Centre including fixing of all the required fittings and	Since time is of the essence, request OIL to not count the time taken by Company's representatives' approval of the design towards the mobilization timeline.	Clarified. Any delay in time due to OIL's approval beyond the specified time mentioned as per the job execution schedule shall not be counted.

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			furnishings will only commence after the Company's representatives give written consent in this regard.		
43.	5.4.2	Dismantling of VRC	The existing layout of the VRC room which requires dismantling has been provided as Enclosure-I . The dismantling should be completed within two weeks of issue of LOA. Other hardware not located within the VR room may be dismantled in due course of time as per requirement.	Request OIL to consider deletion of this clause.	No changes.
44.	3.1.1 page 66	SUB-SECTION-3 (Image Generator/workstation)	Latest Version of Windows Professional 10 and or RHEL 7.0 and above (Dual-Bootable)	From bidder experience, bidder recommends not to go with dual boot system	No changes
45.	3.1.2 page 67	SUB-SECTION-3 (Storage System)	Add new clause	Bidder recommends adding the following to be compatible with Hyper converge infrastructure: Storage virtualization to virtualize 3 rd party storage and in 3.1.8	Agreed.
46.	3.1.3 page 67	SUB-SECTION-3 (Server Specification)		OIL to clarify Oracle version (Standard or Enterprise) and also clarify the no of licenses required.	No change.

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47.	3.1.4 page 68	SUB-SECTION-3 Tape Library)	3U Tape Library with 2 x LTO7 drive or higher, 24 slots. Management software to manage, view, monitor tape library	OIL to consider removal of 3 U	Agreed
48.	3.1.4 page 68	SUB-SECTION-3 Tape Library)	SAS card/ FC to connect with Backup Server	Bidder recommends FC cards to increase speed within the network	Agreed.
49.	3.1.6 page 68	SUB-SECTION-3 (Uninterrupted Power Supply)	Back-up time – 30 15 minutes	Bidder wishes to inform OIL that 120 KVA UPS comes only with 15 minute backup	No changes
50.	5.2.1	Power Requirement for VR Centre	The contractor must provide approximate power requirement for the entire VR Centre, Duliajan in the technical bid. This estimate should include power requirement separately for all hardware (servers, workstations etc.), display system (mainly projectors) and air conditioners etc. Details of the available electrical infrastructure that shall be provided by OIL for setting up the complete VR solution is given in Enclosure-III. Any additional infrastructure requirement shall be provided solely by the Contractor.	Bidder will submit the power requirement in their technical bid. However, if additional power requirement is necessary, request OIL to arrange for the same.	No change
51.	5.5	Buy-back of dismantled assets	The VR Centre will be set up at existing facility of OIL at FHQ, Duliajan. It may be noted that the existing VR Centre needs to be dismantled along with all existing hardware as	OIL to provide bidder with any e-waste disposal policies.	Clarified. As the assets shall be put up for buy-back by the vendor, OIL's e-waste policy shall not be

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			may be the case prior to setting up of the new Centre. The Contractor shall make all necessary arrangements for proper dismantling of the existing hardware (including the Display Management System, hardware and other room fittings) and provide a detailed indent of all dismantled items along with the items itself.		applicable.
Part 3 - SECTION III – SPECIAL TERMS AND CONDITIONS					
52.	1.1 (vi)	Definitions	"Commencement Date" will refer to date of completion certification LOA issued by authorized personnel of the Company.	To be consistent	Clarified in SI No. 17.
53.	1.2	Job Execution Schedule	(i) The Contractor must mobilize their personnel, equipment, tools, spares and all other necessary materials immediately after date of issue of Letter of Award (LOA) by the Company.	OIL to consider this clause as it is inconsistent with BEC criteria	Clarified. Refer to SI No. 16.
54.	1.2 (iv)	Job Execution Schedule	Request OIL to delete clause	Bidder request OIL to consider removal of the job execution schedule and allow bidder to complete installation and commissioning in 150 days	Clarified. Job execution schedule is tentative and contractor is to provide their own schedule as per NIT.
55.	1.5 (ix), (x)	General obligations of	Request OIL to delete this clause	As discussed earlier	Not agreed.

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		contractor			
56.	1.5 (xi)		The Contractor shall arrange for transportation of any equipment/spares/consumables required during installation and commissioning of VRC from Contractor's yard/site Company site/yard to Company's site and back at the end of the work at their own expenses.	Request OIL to provide yard/site to store the hardware which is brought in to Duliajan.	Clarified. Bidder is required to provide intimation of space requirement for storage of hardware.
57.	1.7	Payment Terms & conditions	70% of the supply value made by the Contractor shall be released on receipt and acceptance of the consignment by the Company at Duliajan.	OIL to clarify if the bidder can invoice 70% of the quoted value against each item (hardware/software/VRC) against receipt and acceptance of consignment by company	Clarified. GST shall be paid 100% of material cost.
58.	1.7 (iv)	Payment Terms & conditions	Training & work association charges will be paid phase wise only after successful completion of each phase of training & work association during the warranty period.	Bidder request this addition to timebound the training and work association	Agreed
59.	1.8			As requested in previous queries	No change in the original clause.
60.	1.10 (ii)	Rights and Privileges of Company	To approve the choice of sub-contractors for any essential third party contract, concerning materials, equipment, personnel and services	OIL to confirm the mechanism of such approval.	Clarified in Sl No. 29.

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			to be rendered by Contractor. Sub-contract may be entered into by Contractor only after company's approval.		
61.	1.12 (ii)	Other Conditions	Company reserves the right of procuring additional licenses/ upgraded version of the software offered along with the VRC at mutually agreed rates not more than the quoted rates of the Contractors' offer in this contract within two (2) years from date of commissioning of the set-up. The newly procured licenses of the software will be covered under AMC in same terms and conditions as stated in this NIT.	Request OIL to delete this clause	Not agreed.
62.	1.12 (ii)	Other Conditions	Company reserves the right of procuring any of the hardware at mutually agreed rates not more than the quoted rates of the Contractors' offer within one (1) year from date of commissioning of the set-up and governed by the same terms and conditions as stated in this NIT.	Request OIL to delete this clause	Not agreed.
63.	1.14 (ii), (iii)			Bidder recommends that since this is a turn key project with various OEMs importing with different lead times, request OIL to consider physical inspection	Agreed.

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				at Duliajan OIL premises only. This will also help to reduce Bidders project timeline.	
64.	1.15	Delivery	(ii) In the event of the Contractor's default in maintaining the quoted delivery schedule, Contractor shall be liable to pay liquidated damages @ 0.5% per full week or part thereof to a maximum of 7.5% of the material value.	Bidder requests OIL to consider LD on the final 150 days installation and commissioning and not on individual parts (mobilization/delivery etc.)	Clarified. Delivery refers to the completion of the total project (150 days after issuance of LOA).
65.	1.16		The Contractors Project Management Team (PMT) should consist of qualified/certified personnel for interior designing, Air-conditioning, Electrification, UPS etc. and the PMT provided by the Contractor shall cater to the following requirements	Request OIL to consider this change as Interior designing, air conditioning, electrification, UPS certifications are not available.	Undertaking by bidder shall also be applicable.
66.	1.16 (viii c)		The Project Manager will also arrange for the fortnightly meeting with OIL representatives at Duliajan for the project execution status and future plan. The minutes of the meeting duly signed by the Contractor and OIL representatives need to be documented properly.	OIL to confirm if VC is acceptable, also will this documentation be part of the UAT?	Project Manager or designated representative must be present at Duliajan during the project execution.
67.	1.16		(ix) Contractor will be held responsible for any delay in completion of commissioning of the VR setup at site and in case of defaulters;	OIL to consider Liquidated Damages over the entire 150 days of project delivery	No. change in original clause. Clarified in Sl No. 30.

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			the LD will be levied @ 0.5% per full week or part thereof to a maximum of 7.5% of the value of commissioning.	and not on the individual items.	
68.	1.17	Migration of existing database and projects from GeoFrame to new set up	Insert new subclause (viii) <u>OIL shall maintain an up to date backup of data that needs to be migrated to the new set up. In case of any loss or damage to OIL's data in course of migration to new set up, Contractor's sole liability shall be to reload the data from the most recent database back-up of OIL.</u>	Request OIL to include this subclause. Contractor's liability should be clearly defined to reloading the data from OIL's recent backup. Contractor cannot take an open ended liability for any loss or damage of OIL's data.	Agreed.
69.	1.19 (ii) page 108	Warranty	All hardware including Display Management System should be covered by a total warranty period of 12 MONTHS thirty-six (36) months which will be inclusive of the twelve (12) months warranty period mentioned above. However, if warranty for comprehensive hardware or any part thereof is provided by the OEM which is greater than the period mentioned above, the Contractor must pass on the benefit arising out of all such warranties to the Company.	Bidder wishes to inform OIL that OEMs provide warranty of more than 12 months at additional cost. Therefore, for parity, warranty period of 12 months for all supplied items is recommended.	No change in the original clause.
70.	1.19 (x)	Warranty	In case of major breakdown, which require	OIL to clarify major and	Major Breakdown refers to

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	page 108		spares other than the stocked spares the system has to be repaired within a period of 120 280 hours from the time it is reported.	minor breakdown.	any breakdown that cannot be repaired by the onsite engineer or by utilization of stock items. Minor Breakdown refers to any breakdown that can be repaired by the onsite engineer or by utilization of stock items.
71.	1.19 (x) page 108	Warranty	In case of major breakdown, which require spares other than the stocked spares the system has to be repaired within a period of 120 280 hours from the time it is reported.	Due to remote site, we request oil to extend 120 days to 280 hours	For hardware it shall be 120 hrs and for display screen and DMS it shall be 240 hrs inclusive of travel time.
72.	1.20 (iii)	Training/Work Association	OIL to confirm if Duration (working days) mentioned is sequential or if more than 1 training can be clubbed together within the same scope.		Clarified. Training may be clubbed together after mutual agreement.
73.	1.20 (iii)	Training/Work Association	Training timeline provided for UPS training is too long. OIL to kindly clarify what are the points that needs to be covered during this training.		Clarified. Training may be clubbed together after mutual agreement.
74.	1.20 (viii)	Training/Work Association	The details of the training and trainers should be enclosed along with the offer. mutually	Bidder request OIL to remove this clause as it is	Clarified. Tentative schedule of training along

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			agreed between OIL and contractor.	difficult to provide the complete details of training and trainers	with domain of trainer shall be provided.
75.	1.20 (ix)	Training/Work Association	The Contractor should quote for all charges for training in the price bid. The Contractor must quote training charges separately (wherever applicable) for each of the software items/phases as per the schedule of prices	For clarification.	Agreed
76.	1.20 (iii)	Training/Work Association	OIL to confirm if work association will be a different contract or is within this ITT scope.		Same contract
77.	1.21 (i)	AMC	The Contractor has to quote for five (5) years of comprehensive AMC for all items (hardware, display system, OS and other utility software etc.) supplied against this tender. All the items are required to be covered under the AMC. The AMC offered for all items must include scope for extension of the contract for a period of two years at the same rate, terms & conditions as laid out in the appropriate sections of the NIT. scope for extension of the contract for a period of two years at mutually agreed prices.	OIL to consider this changes as price for 7 th , 8 th years cannot be envisaged now.	'Same rate' shall be struck out and replaced with 'mutually agreed rates'.
78.	1.21 (ii)	AMC	The Contractor has to quote the AMC charges	As discussed earlier.	No change in the original

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			per year after expiry of one year warranty period separately for all hardware items including display management system, OS, G&G Application software & VR Centre design, setup & infrastructure for five (5) years. Hardware AMC charges should be considered 'nil' during first two years of AMC as the same will be under 3 year warranty. All the items installed/ commissioned at Duliajan are required to be covered under the AMC.		clause.
79.	1.21 (iv)	AMC	The Contractor will also provide the detail item-wise cost breakup of the yearly AMC charges for a total of five (5) years in Tabular format.	OIL to kindly provide the format for the same.	Clarified Provided in Proforma-B1.
80.	1.21 (xii)	AMC	The Contractor will depute one expert who is well versed with the entire modules supplied as part of the G&G application software, at the VR Centre at Duliajan. The deputed personnel must have minimum 2 (two) years' experience in of providing technical support for the G&G application software. He will be responsible for providing technical support throughout the AMC period and guide & assist OIL's G&G personnel in understanding and	OIL to clarify if the expert is to be based in Duliajan.	Clarified. Yes

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			troubleshooting various requirements/problems while carrying out any G&G project.		
81.	1.21 (xxv)		In case the contractor fails to repair any equipment supplied by them during the AMC period, within 120-280 hours from the time of reporting the breakdown, a penalty of 0.5% of yearly AMC charges for each week of delay will be levied subject to a maximum amount of 7.5 % of yearly AMC charges.	Request OIL to consider this	Clarified. No changes in the original clause except for breakdown of Display system and/or projectors.
82.	Add new clause	New clause for Scope of Software License	The Software is licensed, and not sold, to OIL on a non-exclusive, non-transferable basis. This Contract only gives OIL rights to use the Software for OIL's own internal business operations. OIL may use the Software only as expressly granted to OIL in this Contract, and Contractor reserves all other rights that are not specifically granted to OIL.	Bidder's software. This is a standard clause for licensing and has been agreed by OIL in previous POs. Hence, request OIL to include this critical clause Reference: Amendment to PO No. 7951021 dated 4 th Jan 2017	To revert back.
83.	Add new clause	New clause for Scope of Software License	OIL's right to use the version of the Software licensed and delivered to OIL is perpetual. OIL may continue to use	Bidder's software license conditions. This is a standard clause for licensing	To revert back.

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SL NO:	CLAUSE NO.	DESCRIPTION	QUERY / SUGGESTION	REMARKS	OIL'S REPLY
			the Software as long as OIL abides by the terms and conditions of this Contract. If OIL violates the terms and conditions of this Contract, this license immediately expires and OIL must discontinue OIL's use of the Software and immediately remove, return or destroy, at Contractor's option, all copies of the Software and all of the related documentation.	and has been agreed by OIL in previous POs. Reference: Amendment to PO No. 7951021 dated 4 th Jan 2017	
84.	Add new clause	New Clause for Limitations on License	<p><u>"Limitations on License:</u> OIL is not authorized and may not authorize anyone else to do any of the following:</p> <p>(a) Obtain unauthorized access to the Software, for example, by bypassing security features, including but not limited to license control features that limit or record the number of users, in or for the Software;</p> <p>(b) Reverse engineer, decompile or disassemble the Software except and only to the extent required by law;</p> <p>(c) Make more copies of the Software than specified in the Contract;</p> <p>(d) Publish the Software;</p> <p>(e) Develop or create modifications,</p>	<p>Bidder's software license conditions. This is a standard clause for licensing and has been agreed by OIL in previous POs.</p> <p>Reference: Amendment to PO No. 7951021 dated 4th Jan 2017</p>	To revert back.

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			<p>improvements and/or derivative works of the Software;</p> <p>(f) Display the Software in any manner except as provided herein;</p> <p>(g) Rent, lease, lend, sub-license or otherwise distribute or assign OIL's rights in the Software, including but not limited to assigning or sub-licensing OIL's rights to use the Software to third parties without Contractor's prior written consent;</p> <p>(h) Separate out or use any portion of embedded Software for any purpose such as commercial or competitive analysis of Contractor's software;</p> <p>(i) Transfer the Software from the Geographic Unit of first delivery without notifying Contractor and paying any related charges associated with a license transfer or access; or</p> <p>(j) Deliberately modify or disable or otherwise "crack" any feature incorporated in the Software, including those that are intended to prevent access to unlicensed software."</p>		

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SL NO:	CLAUSE NO.	DESCRIPTION	QUERY / SUGGESTION	REMARKS	OIL'S REPLY
85.	Add new clause	New Clause	All title, ownership and Intellectual Property rights in and to the Software and any modifications, improvements, enhancements or derivative works of the Software will vest and remain with Contractor and/or its licensors. This Agreement does not grant OIL any intellectual property rights in the Software or any other Contractor software.	Self-explanatory; ownership of software licenses and any improvements etc. will remain with Contractor or its licensors as applicable.	To revert back.
86.	Add new clause	New clause for Interpretation Liability	<u>"Interpretation Liability:</u> Any interpretations, and all recommendations or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional geophysicists or analysts may differ. Accordingly, Contractor cannot and does not warrant the accuracy, correctness or completeness of any such interpretation, recommendation or reservoir description. Under no circumstances should any such interpretation, recommendation or reservoir	This clause will be applicable in case of supply of software licenses, AMC and Work Association. Request OIL to kindly include this critical clause The same is as agreed in: <ul style="list-style-type: none"> Amendment to PO No. 7951021 dated 4th Jan 2017 	To revert back.

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			description be relied upon as the sole basis for any drilling, production or financial decision or any procedure to be performed by OIL. OIL has full responsibility for all such decisions and for all decisions concerning other procedures relating to the drilling, production or any other of OIL operations."		
87.	Add new clause	New clause for Data Liability	OIL shall at all times be responsible for the product(s) provided by OIL and for providing back-up for all software applications and data files stored in the Software. It is clearly understood that the Contractor has no liability for loss, damage or destruction to any OIL's data, except in the case of intentional misconduct, in which case the Contractor's sole liability is limited to the costs of recovering and reloading the data from the most recent database back-up of OIL. In no event shall the Company ever be liable for reacquiring OIL's data.	This clause will be applicable in case of AMC, Work Association and Migration of Existing data to new set up. Request OIL to kindly include this critical clause	To revert back.
88.	Add new clause	New clause for IP Infringement	Contractor shall indemnify and hold the Company harmless from any third-party claims arising on account of intellectual property infringement with respect to its	Request OIL to include OIL's standard clause for IP Infringement	To revert back.

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			<p>services or products except where such infringement is caused due to:</p> <p>(a) Specific modification or design of Contractor equipments or Services to meet Company's specifications,</p> <p>(b) Combination of Contractor's equipments or Services in combination of other equipments and/ or services not recommended by Contractor,</p> <p>(c) Out of unauthorized additions or modifications of Contractor's equipment or services by Company, or</p> <p>(d) Company's use of Contractor's equipments or Services that does not correspond to Contractor's published standards or specifications; in which case, the Company shall indemnify and hold the Contractor harmless.</p>	<p>Ref:</p> <ul style="list-style-type: none"> IFB No. CDG2661P17 for Hiring of Services for Drilling of Directional Wells with RSS & SDMM + MWD/LWD + JAR along with Personnel for a Period of 03 (Three) years in the States of Assam & Arunachal Pradesh IFB No. CDG3225P17 for 'Hiring of Directional Drilling Services including Mud Service for 03(Three) Horizontal Wells in the state of Assam and 01(One) Horizontal Well in 	

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SL NO:	CLAUSE NO.	DESCRIPTION	QUERY / SUGGESTION	REMARKS	OIL'S REPLY
				<p>the state of Rajasthan</p> <ul style="list-style-type: none"> IFB No. CDG4029L17 for Hiring of Services for Drilling of Directional Wells with SDMM + MWD + JAR alongwith Personnel for a Period of 01(One) Year in the States of Assam & Arunachal Pradesh 	
89.	Add new clause	New clause for Intellectual Property	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	<p>Request OIL to include OIL's standard clause for Intellectual Property.</p> <p>Ref:</p> <ul style="list-style-type: none"> CDG5893P18 for 'Hiring the Services of 5(five) nos. of Gravel Pack job 	To revert back.

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			expressly and specifically indicated in writing, and in exchange for appropriate agreed payment, Contractor does not develop any intellectual property for 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>against 7" Production Casing completed wells with a provision to enter into a framework agreement</p> <ul style="list-style-type: none"> Tender No. CDG7192P18 for "Hiring of Directional Drilling Services with SDMM-MWD/LWD-JAR along with Directional Driller and MWD Engineer for a period of 4 (four) years" under a 2 (two) Package Structure (Package A and Package B) for carrying out Directional Drilling activities in the states of Assam and 	

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SL NO:	CLAUSE NO.	DESCRIPTION	QUERY / SUGGESTION	REMARKS	OIL'S REPLY
				<p>Arunachal Pradesh</p> <ul style="list-style-type: none"> Tender No. /IFB No CEG7668L19 for Hiring of Hydraulic Fracturing of 2 (two) gas wells (2 HPHT or 2 Shallow or 1 HPHT + 1 shallow) on call out basis in OIL's operational area in KG Basin Project, Kakinada 	
ANNEXURE D					
90.			<p>(d) We hereby accept the responsibility for the safety of all the personnel engaged by us and <u>shall ensure safe working conditions and methods of work for the safety of the Company's personnel and property involved during the course of our working under this contract.</u></p>	<p>(d) This statement is in contradiction to GCC Cl. 22 (knock for knock), which states that Contractor will be responsible for its own personnel and property and Company shall be responsible for its personnel and property.</p> <p>Contractor confirms to take</p>	<p>GCC standard Clause.</p> <p>To revert back.</p>

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			(f) All losses caused due to inadequate safety measures or lack of supervision on our part would be fully compensated by us <u>in accordance to Contract terms and conditions</u> and the Company will not be responsible for any lapses on our part in this regard.	responsibility for its personnel and ensure safe working conditions for safety of all personnel and property.	
ANNEXURE F – BEC COMPLIANCE MATRIX					
91.			All agreed changed to BEC / BRC to also be incorporated in Annexure F (BEC Compliance Matrix)		Agreed
PERFORMA B – PRICE BIDDING FORMAT					
92.	Notes Row # 34		However, GST rate to be specified in the price bid format.	No option is provided to specify the GST rate only the SAC code	Clarified in SI No. 21.
93.			Price column indicates to input Amount (Rs.)Excluding GST, however, in the notes below it is mentioned to quote inclusive of GST		Clarified. Mentioned in Proforma-B
Commercial Checklist					
94.			All agreed changes to also be incorporated in this checklist		Agreed
Technical Checklist					

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95.			All agreed changes to also be incorporated in this checklist		Agreed
Price breakup Performa B					
96.	Item # 40		One number to be supplied against this	Request OIL to allow bidder to input only one number against the line item #40.	Agreed. Only for line item no. 40.
97.	Section 1 Part 2 Pg 27 and Pg157; Clause “(d)” - OEM experience		The Display system, VR Projectors and screen are the most important components of the tender. In view of this, the OEM for display system should have installed at least one (1) multi-channel stereoscopic display system in India in last seven (7) years. Bidder has to provide documentary evidence along with the contact address for the same.”	The Display systemthe tender. In view of this, the OEM for display system should have installed at least one (1) multi-channel LED/Laser stereoscopic cubes display system together with Display Management System in India in last seven (7) years for an O&G company. Bidder has to provide documentary evidence along with the contact address for the same	Clarified. The term ‘such’ refers to VR center with specifications as mentioned in the NIT.
98.	Section 1 Part 2 Pg34 &		Additionally, declaration must be submitted stating that the Main VR setup Hardware and Software that the Offered model of the is not going to become obsolete in coming 5 years	Additionally, declaration must be submitted stating that spares & support for the offered model for Main VR	To define the word ‘obsolete’ and ‘end of life’ in SCC under definition section.

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SL NO:	CLAUSE NO.	DESCRIPTION	QUERY / SUGGESTION	REMARKS	OIL'S REPLY
	Pg162: Clause "(i)" - Obsolescence		[after warranty period]	setup Hardware and Software should be available for coming 5 years by way of entering into a maintenance contract	
99.	Sub Section 2 Pg62: "vi)" of 2.1.1		The screen should be a cross-prism/FXS rigid flat screen with inter screen gap of not more than 0.2mm. There should not be any change in the screen gap at temperatures between 20°C to 40°C.	The bidder would request to change the temperature range to "20°C – 35°C", as it is not advisable to operate these equipment at high temperatures	Agreed
100.	Sub Section 2 Pg64: 6th bullet point of "xi)"		" It should enable the presentation as well as extended desktop on laptops without physically connecting any display cables to the laptop via VGA/DVI/DP/HDMI etc. cables "	The bidder would request conformation on specifications, as they are not clear. Does Oil mean, "It should enable the presentation of extended desktop on laptops without physically connecting any display cables to the laptop via VGA/DVI/DP/HDMI etc. cables"? Kindly confirm	To replace 'as well as' with 'of'.
101.	Section 1 Part 2		i) All the equipment including third party items at VR Centre, Duliajan, shall have to be covered by a warranty for (twelve) 12 months	The bidder requires clarity on the duration of warranty required for Display System	No change in the original clause.

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SL NO:	CLAUSE NO.	DESCRIPTION	QUERY / SUGGESTION	REMARKS	OIL'S REPLY
	Pg108: Warranty duration (Clause i & ii) & clause (x) AND Clause "viii)" of Pg 112		<p>after successful commissioning at site.</p> <p>ii) All hardware including Display Management System should be covered by a total warranty period of thirty-six (36) months which will be inclusive of the twelve (12) months warranty period mentioned above. However, if warranty for comprehensive hardware or any part thereof is provided by the OEM which is greater than the period mentioned above, the Contractor must pass on the benefit arising out of all such warranties to the Company.</p> <p>x) In case of major breakdown, which require spares other than the stocked spares the system has to be repaired within a period of 120 hours from the time it is reported.</p> <p>viii) In case of major breakdown, which require spares other than the stocked spares the system has to be repaired within a period of 120 hours from the time it is reported at no extra cost.</p>	Would also request to change the existing clause to "In case of major breakdown, which require spares other than the stocked spares the system has to be repaired within a period of 360 hours from the time it is reported"	For the 2 nd part refer to SI No. 71.
102.	Section 1 Part 3 GCC Pg111:		i) The Contractor has to quote for five (5) years of comprehensive AMC for all items (hardware, display system, OS and other utility software etc.) supplied against this tender. All the items are required to be	The bidder request you to kindly delete this part of the clause related to Extension of the contract as it is too long for this category of	Clarified in SI No. 77.

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SL NO:	CLAUSE NO.	DESCRIPTION	QUERY / SUGGESTION	REMARKS	OIL'S REPLY
	"i)" of 1.21 - AMC Extension for a period of two years		covered under the AMC. The AMC offered for all items must include scope for extension of the contract for a period of two years at the same.	Hardware/Display equipment	
103.	SUB-SECTION-1 Page No 59		Migration of the existing database and projects are also being proposed within the scope of work.	The bidder would like to know the no. of G&G projects, data volume of the individual projects and the corresponding software platform (GeoFrame/Petrel) for individual projects.	Clarified. Details already provided in NIT.
104.	PART-2 "d)" of 1.1.2-A (Page 27) & ANNEXURE-F "d" of 1.1.2-A (Page 157)	The Display system, VR Projectors and screen are the most important components of the tender. In view of this, the OEM for display system should have installed at least one (1)	Request you to kindly change this to: "The Display system, VR Projectors and screen are the most important components of the tender. In view of this, the OEM for display system should have installed at least one (1) multi-channel LED/Laser stereoscopic cubes based display system providing atleast 12 million pixels resolution in 2D & Active 3D together with Display Management System capable of processing multiple 3D and 2D sources together on screen in India in last seven (7) years for an	Requested change ensures that OEM has relevant experience of delivering equipment similar to the specifications as defined in the Tender.	Clarified in Sl. No. 97.

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SL NO:	CLAUSE NO.	DESCRIPTION	QUERY / SUGGESTION	REMARKS	OIL'S REPLY
		multi-channel stereoscopic display system in India in last seven (7) years. Bidder has to provide documentary evidence along with the contact address for the same.	Oil & Gas company. Bidder has to provide documentary evidence along with the contact address for the same."		
105.	PART-2 "i" of 4.0 (Page 34) & ANNEX URE-F "i" of 4.0 (Page 162)	The Bidder must not provide solutions involving products that have reached or nearing end-of-life. Certification from OEM for the same along with availability of spares for entire period of the contract are	Request you to kindly change this to; The Bidder must not provide solutions involving products that have reached or nearing end-of- life. Certification from OEM for the same along with availability of spares for entire period of the contract are to be provided. Additionally, declaration must be submitted stating that support, service & spare parts for the offered model for Main VR setup Hardware and Software should be available for coming 5 years by way of entering into a maintenance contract.	Requested changes aligns the clause with Clause 4.0 "c)" of the Tender	Clarified in Sl. 98.

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SL NO:	CLAUSE NO.	DESCRIPTION	QUERY / SUGGESTION	REMARKS	OIL'S REPLY
		to be provided. Additionally, declaration must be submitted stating that the Main VR setup Hardware and Software that the Offered model of the is not going to become obsolete in coming 5 years [after warranty period]			
106.	Part-3 Section-II Sub-Section-2 2.1.1 - vi (Page 62)	The screen should be a cross-prism/FXS rigid flat screen with inter screen gap of not more than 0.2mm. There should not be any change in the screen gap at	Request you to kindly change this to: The screen should be a cross-prism/FXS rigid flat screen with inter screen gap of not more than 0.2mm. There should not be any change in the screen gap at temperatures between 20°C to 35°C.	It is not advisable to operate these equipment at high temperatures	Agreed

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SL NO:	CLAUSE NO.	DESCRIPTION	QUERY / SUGGESTION	REMARKS	OIL'S REPLY
		temperatures between 20°C to 40°C			
107.	Part-3 Section-II Sub-Section-2 2.1.2 – xi 6th bullet point (Page 64)	It should enable the presentation as well as extended desktop on laptops without physically connecting any display cables to the laptop via VGA/DVI/DP/HDMI etc. cables	Kindly elaborate this specification. Or does this needs to read as " <i>It should enable the presentation of as well as extended desktop on laptops without physically connecting any display cables to the laptop via VGA/DVI/DP/HDMI etc.</i> " Request you to kindly confirm.		Clarified in SI no. 100.
108.	Part-3 Section-III 1.19 – "x" (Page 108)	In case of major breakdown, which require spares other than the stocked spares the system has to be repaired within a period of 120 hours from the time it is	Request you to kindly change this to: In case of major breakdown, which require spares other than the stocked spares the system has to be repaired within a period of 360 hours from the time it is reported		Clarified in SI No. 71.

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SL NO:	CLAUSE NO.	DESCRIPTION	QUERY / SUGGESTION	REMARKS	OIL'S REPLY
		reported			
109.	Part-3 Section-III 1.21 – "i" (Page 111)	The Contractor has to quote for five (5) years of comprehensive AMC for all items (hardware, display system, OS and other utility software etc.) supplied against this tender. All the items are required to be covered under the AMC. The AMC offered for all items must include scope for extension of the contract for a period of two years at the same rate, terms & conditions as laid	Request you to kindly change this to: The Contractor has to quote for five (5) years of comprehensive AMC for all items (hardware, display system, OS and other utility software etc.) supplied against this tender. All the items are required to be covered under the AMC.	In general, support for these equipment is available for 5 years. Hence, the requested change.	Clarified in SI No. 77.

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SL NO:	CLAUSE NO.	DESCRIPTION	QUERY / SUGGESTION	REMARKS	OIL'S REPLY
		out in the appropriate sections of the NIT			
110.	Part-3 Section-III 1.21 – "viii" (Page 112)	In case of major breakdown, which require spares other than the stocked spares the system has to be repaired within a period of 120 hours from the time it is reported at no extra cost.	Request you to kindly change this to: In case of major breakdown, which require spares other than the stocked spares the system has to be repaired within a period of 360 hours from the time it is reported		Clarified in SL No. 71.
111.		What is the last date of submission of the tender?			Clarified
112.		Can you share some reference of kind of content that needs to be displayed. It will			Clarified

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SL NO:	CLAUSE NO.	DESCRIPTION	QUERY / SUGGESTION	REMARKS	OIL'S REPLY
		help us conceptualize better.			
113.		Is there any scope to tweak the dimensions/size mentioned for each installation if required?			Clarified
114.		What kind of data will be shown ?			Clarified
115.		What does VR Table and VR Projector means?			Clarified
116.		Does Oil India Limited have existing software for DMS ? If yes, then will it be shared with us for reference? Also, is that DMS inside the VR Centre?			

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SL NO:	CLAUSE NO.	DESCRIPTION	QUERY / SUGGESTION	REMARKS	OIL'S REPLY
117.		What all data set is available? (Pg no. 59)			Clarified
118.		Reference of existing VR Center? Pictures of internal layout of the existing VR center.			Clarified
119.		Will you expose API for data to accessed. If not, then how to take it forward?			Clarified
120.		Please help us understand the point no. 2.1.1 point (iv).			Clarified
121.		What do you mean by 3D cube?			Clarified
122.		We would like to understand more about the video			Clarified

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SL NO:	CLAUSE NO.	DESCRIPTION	QUERY / SUGGESTION	REMARKS	OIL'S REPLY
		wall with immersive environment. (Pg no. 60, 1.1.1)			
123.		What will be the format of the data? Real time or existing?			Clarified
124.		Do we need a separate cabin for video conferencing? and how many people are you expecting to accommodate in there?			Clarified