

**OIL INDIA LIMITED**  
(A Government of India Enterprise)  
P.O. Duliajan, Pin – 786602  
Dist-Dibrugarh, Assam

**IFB No. CDH8325P22 – Hiring of Services for Remote Online Condition Based Maintenance System for Gas Engine driven Reciprocating Gas Compressors.**

**Date: 06.11.2021**

OIL's Response to the Pre-Bid Queries against the subject tender is enclosed vide **ANNEXURE-I**

All others terms and conditions of the Bid Document remain unchanged. Details can be viewed at [www.oil-india.com](http://www.oil-india.com).

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**CDH8325P22 : Pre - Bid Conference****Tender No. CDH8325P22 -'Hiring of services for Remote Online Condition Based Maintenance System for Gas Engine driven Reciprocating Gas Compressors'.****Prebid Conference****Date: 19-Oct-2021**

<b>S.No</b>	<b>Vendor Name</b>	<b>Attendees</b>
1	Charms Agencies	Siddharth Godra, Gert Dam
2	Predict Technologies	Sujit Bose, Vishnu, Nagarjuna
3	Hoerbiger	Dharmesh Pipaliya, Arun Jha
4	Schlumberger	Prasanna Tellapaneni
5	Neptunus	Soumik Ghosh, Raju Singh, Shuaib Deshmukh, Lakshmi
6	AWS	Akhil Narayan
7	Windrock	Sameer Khan

<b>Charms Agencies</b>						
<b>Sl. No</b>	<b>Section</b>	<b>Clause No. &amp; Page No.</b>	<b>ORIGINAL CLAUSE/ REQUIREMENT IN SOW</b>	<b>QUERY / REMARK</b>	<b>OIL's RESPONSE/ REMARKS</b>	<b>Change to be proposed in Corrigendum</b>
1	BID EVALUATION CRITERIA	Page 26 of 113 - Clause No 2.1.3 and Page 28 of 113 Clause 2.3		When the bidder is quoting as per 2.1.3 whether eligibility under 2.3 is relevant or not.	In case the bidder is bidding as the authorized implementation partner of OEM, clause 2.1.3 needs to be met. In case the bidder is forming a JV or Technical Collaboration with OEM, then clause 2.3.1 needs to be met.	NA
2	BID EVALUATION CRITERIA	Page 38, 39, 40 of 113, BEC BRC Clause no 9.0 TPI for Documents		We request OIL to kindly arrange Documents verification by TPI directly through the empaneled agencies as the same job if arranged by us will be time consuming and we shall have no control over them because of no contract is in place with them. We think the process of document verification will be faster and accurate if OIL agree to get TPI directly from any of their approved Agencies.	Documents verification by TPI are to be carried out by bidders.	NA

**Charms Agencies**

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3	TECHNICAL SCOPE OF WORK	Page No 93 of 113 B. 1.1.2 Point No 2	The solution shall use a combination of advanced physics-based and AI/ ML model to facilitate predictive maintenance and optimization of equipment performance. OIL to provide all the necessary run files and compressor information required to create the Digital Twin model of the running compressors.	Improper clearances are related to compressor assembly and the system does not provide tools for assembly clearance measurements.	Oil will provide compressor information including assembly clearance measurements, for creation of digital twins. Bidder to specify the information required for the compressors, to create digital twin during the solution design phase. Further details could be agreed post order, after LOA during the design phase.	NA
4	TECHNICAL SCOPE OF WORK	Page No 94 Point No 7	Solution should be able to capture and prevent unplanned shutdowns by raising alarms at the right time. Exacta 21 uses the industry standard Class A, B, C, and D designations, with individual timers on all Class B's (programmable default setting). An unlimited number of	Need more clarity on the point as to what OIL wants to achieve with this.	The requirement here is that the shutdowns and alarms appearing on the Exacta 21 panel should be visible on the dashboard and notified to the users.	NA

**Charms Agencies**

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			<p>shutdowns and alarms can be added on any channel, including the normal high and low shutdowns and alarms, plus: Differentials Calculated shutdowns Time delayed shutdowns Out of range. The same need to be captured by the system and transmitted onto the portal with accurate insights.</p>			
5	TECHNICAL SCOPE OF WORK	Page No 96 of 113 Point No 14	<p>Bidder will be responsible to do base lining of each of the 17 compressors and engines so that optimal running condition can be determined and basis which deviation in running parameters can be highlighted. OIL will carry out scheduled maintenance jobs on the Gas Compressor Package base lining activities are performed and ensure all the equipment</p>	<p>We will do the baselining of the compressor and engine. However it would be the responsibility of OIL to make sure that the components such as Valves, Pistons, liners, spark plugs, ignition coils etc. are in new condition before installation of the system so that proper baselining can be achieved.</p>	<p>Bidders understanding is correct. OIL will carry over necessary maintenance before the bidder carries out baselining activity.</p>	NA

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			are in running condition.			
6	TECHNICAL SCOPE OF WORK	Page No 97, 1.1.4 Point no 6	The solution shall have the ability to calculate and display Quantified Benefits in the Dashboard based on failures prevented or deferred	Providing quantified benefits is practically not possible as the benefits arising due to aversion of any particular failure has to be calculated in terms of money being saved by OIL, in respect of oil production increased or saved or calculation of reduction in gas loss... etc. etc.	Tender clause to be retained. System should calculate and convert the number of hours in production impact. Conversion factors can be mutually agreed with OIL during solution blueprint sign-off. The details are to be jointly agreed during design phase.	NA
7	TECHNICAL SCOPE OF WORK	Page No 97, 1.1.4 Point No 7 & 8	7. The dashboard shall have an Equipment Heat Map 8. The dashboard shall display the overall health of the compressor	Requesting OIL to share insight into the Equipment Heat Map and Overall compressor Health. Overall health of the compressor is a vague term and needs to be defined to be able to meet the requirement in toto.	Heat map required should be able to depict any issue (parameter wise and asset wise) color coded to depict severity of those issues. Health of the compressor is based on key performance indicators of the equipment such as vibration, throughput etc. The solution should calculate the health of	NA

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					equipment based on these parameters and other industry standard practices. Graphic details are to be agreed during solution design phase.	
8	TECHNICAL SCOPE OF WORK	Page No 97, 1.1.4 Point no 9	The dashboard shall have Fleet Wide benchmarking and comparison of assets within and between fields	OIL to elaborate on this. What is the purpose of comparison between the fields and assets.	Purpose of asset comparison within and between fields is to arrive at relative ranking of compressor performance and identify patterns/ reasons of better performance of compressors in any particular field etc. Grouping of different equipment as per their Assets is required at Dashboard level. OIL will inform the same during detail engg	NA
9	TECHNICAL SCOPE OF WORK	Page No 97, 1.1.4 Point no 10	The dashboard should be customizable by individual user – to get reports from individual units any different Date formats i.e. From .. To .. (alarm data, Operating parameter data etc.	To keep the integrity of the system intact, dashboard is not customizable by individuals. It can be customized by us only and these customizations have to be predefined. Reports can be obtained from and to particular date and time	Tender clause to be retained. Bidder will be responsible to implement the dashboard customization request during the contract period, if any Dashboard customizable means that the data can be seen with different filters so that all the	NA

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				from the standard dashboard.	information do not clog the Dashboard and different data can be seen so that analysis can be done easily.	
10	TECHNICAL SCOPE OF WORK	Page No 97, 1.1.5 Point no 4	The solution shall mention typical number of days the potential failures could be intimated on case by case basis	It is not possible to provide the number of days due before the failure can occur. On a reciprocating compressor the conditions can change between now and 2 hours later due to abnormal process condition. We can provide inputs about a potential issue being noticed in the system. It will be OIL's responsibility to mitigate such an issue before it occurs.	Change in the clause to be proposed in the corrigendum. Bidder's responsibility will be to generate notifications about potential issue being noticed in the system. Mitigation of those issues will be OIL's responsibility.	Modify
11	TECHNICAL SCOPE OF WORK	Page No 97, 1.1.5 Point no 5	The solution shall recommend actions that should be linked to equipment KPIs or potential failure modes	Kindly define Equipment KPIs	Bidder and OIL should mutually agree on the equipment KPIs to be monitored at the time of solution blueprinting.	NA
12	TECHNICAL SCOPE OF WORK	Page No 98, 1.1.5 Point no 7	The solution shall assign a priority level based on problem severity	OIL to elaborate and define this point in detail for better understanding.	The solution should be able to detect any potential issue, and based on the	NA



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			and assign probability of failure on a case by case		severity of the issue a priority level is to be assigned.	
13	TECHNICAL SCOPE OF WORK	Page No 98, 1.1.6 Reporting		Report formats have to be created in discussion with OIL Post order. OIL to agree to the same and devote resources to define report formats.	Customizations required, will be agreed upon during the solution design phase. OIL will depute Engineers to liaise with vendor	NA
14	TECHNICAL SCOPE OF WORK	Page no. 103 Hardware Requirement		OIL to confirm if Zone 1 is also required as a part of the system solution, as per our understanding the zone requirement for OIL is Class 1 Div. 2 or Atex Zone 2. OIL to review and remove Zone 1 from Hardware specifications if not applicable	In line with OMR 2017 guidelines Gas Compressors and nearby area up to 3 meter is classified as Zone 2. Sensors directly in touch with hydrocarbons would be considered zone 1.	NA
15	TECHNICAL SCOPE OF WORK	Page no. 103 Hardware Requirement		Specifications mentioned by OIL are confirming to a certain type of Hardware. However, our hardware shall meet the requirement of OIL to the point but would not meet the specifications mentioned or our system does not require to meet	Bidder needs to meet the minimum specifications of the hardware specified in the tender. Vendor to provide more details on the deviations from the specification provided in the tender.	NA

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				these requirement. Kindly note that Hardware are OEM Specific, they would meet the requirement of the project in such a manner that it would cover the Condition Monitoring Requirement of OIL at the same time meet all the safety requirement at Site.		
16	TECHNICAL SCOPE OF WORK	Page no. 104 3.3 Gateway Specification - Certifying Body		SGS Q-Mark please confirm if this is required, as per our understanding this is not required for OIL application.	The clause has been revised in the corrigendum.	Modify
17	TECHNICAL SCOPE OF WORK	Page no. 105 Software Requirement - Point no 4	It should have the ability to integrate data collected from a portable compressor analyzer with the data from permanently installed sensors/system.	Kindly elaborate reason for integration of Portable system with Fixed system	The clause has been revised in the corrigendum.	Delete
18	TECHNICAL SCOPE OF WORK	Page No 106 of 113 Hardware Requirement Indicative	Bidder to submit detailed diagram, mounting provisions, power cable layout etc. along with the bid.	As per NIT we are required to submit Power cable layout, mounting provision and detailed diagram. However, these documents can	Bidder, along with the bid, needs to submit an indicative list of equipment (along with <b>specifications</b> ) proposed for deployment at site.	Modify

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				only be submitted after placement of Purchase order. Please note that these documents can be submitted within 15 days from the date of purchase order after detailed survey and assessment of the packages.	Necessary changes would be made in the corrigendum.	
19	SPECIAL CONDITION OF CONTRACT	Page No 83 of 113 Point - Mobilization		Kindly note that due to current issues with Semiconductor supply the delivery of hardware is affected to a great extent. Thus we request OIL to consider mobilization period of 180 days to enable us to supply the right material.	Mobilization to be carried out parallel to the implementation. Number of days for mobilization can not be increased beyond 140 days. Timelines to be revised and changes will reflect in corrigendum	Modify
20	SPECIAL CONDITION OF CONTRACT	Page No 83 of 113 Point - Performance Security		Is performance security applicable for MSME vendors. Kindly confirm if MSME benefits are available for the subject contract based on the attached MSME Certificate.	No performance bid relaxations available	NA

**Predict Technologies India Pvt. Ltd.**

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1	TECHNICAL SCOPE OF WORK	Instrumentation Details and Integration Point No. 17.C Page No. 96/97	Bidder may refer OMR-2017, Notification dated 18th October 2017, published by the Gazette of India, under Ministry of Labor and Employment.	The OMR2017 document lists Gas Compressors as Zone 2. The equivalent North American classification for Zone 2 is Class 1 Div. 2. Therefore please confirm acceptance of Class 1 Div. 2 certified products.	In line with OMR 2017 guidelines Gas Compressors and nearby area up to 3 meter is classified as Zone 2. Sensors directly in touch with hydrocarbons would be considered zone 1.	NA
2	TECHNICAL SCOPE OF WORK	Instrumentation Details and Integration Point no. 11 Page No. 95/96	Minimum List of sensors/ instrument to be installed on gas compressors	Details of each compressors which are to be monitored with cylinder and stages to be shared by Oil India.	a) 10 nos. Dresser Rand compressors with 2 Cylinder 2 Stage b) 7 Nos. BPCL Compressors with 2 Cylinders 2 stage Further details will be shared with successful bidder after award of contract.	NA

<b>Hoerbiger</b>						
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1	1.1.3 Instrumentation	Page no. 95 of 113	All material equipment supplied by the bidder should be from the OIL approved vendor list.	Please provide Oil India approved vendor list	It would be bidder's responsibility to meet the minimum industry requirements of the equipment being supplied.	Modify
2	1.1.3 Instrumentation Details and Integration (16)	Page no. 96 of 113	The power required for the system can be arranged from the Existing Altronic Exacta Control Panel. Bidder to specify the exact amount of power requirement for the continuous successful operation of the system including Amperage requirement of each sensor/ instrument. Vendor to provide all the required items to arrange for the power from the Altronic Exacta Control Panel including supply of adequate rating of power cable and other accessories.	Please provide power rating details. (available at site)	24 DC Power and 230 V AC power in non Hazardous area is available.	NA
3	9.0 Payment Milestones	Page no. 113 of 113	Subscription charges: 100% of the fixed Monthly charges quoted in line item 2.2,2.3 & 2.4 of the Price Bid to be paid at end of every quarter starting from date of Go-Live.	Request for monthly payment instead of every quarter.	Agreed. Monthly Subscription Charges is to be mentioned. Changes to reflect in corrigendum	Modify

Hoerbiger						
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4	2.0 TECHNICAL EVALUATION CRITERIA:	Page no. 27 of 113 2.1.3 2.1.3 IN CASE THE BIDDER IS AN AUTHORIZE D DEALER/ AUTHORIZE D DISTRIBUTO R / AUTHORIZE D SUPPLIER / WHOLLY OWNED SUBSIDIARY OF IPR OWNER/ ORIGINAL LICENSOR/ OEM:	(i) The bidder or the bidder's OEM shall have working experience of "Implementation of online/real-time Condition-Based Maintenance/ Asset health Monitoring/ Asset Performance Management/ Predictive analytics solution for Reciprocating gas compressors" in India or abroad for a minimum 9 (Nine) nos. of Reciprocating Gas Compressor packages in the last 10 (ten) years reckoned from the Original Bid Closing Date. Notes to BEC Clause 2.1.2 & 2.1.3 above: a. For proof of requisite Experience (refer Clause No. 1.2), the following documents/ photocopy (self-attested/attested) must be submitted along with the bid: i) Contract document showing details of work, and ii) Job Completion Certificate showing: (a) Gross value/quantity of job done	We shall submit reference list for installations of HolizTech system (with order value) and sample analysis report. We shall also submit available experience certificates issued by end users. PO copies cannot be submitted due to confidential agreement with end user.	Bidder is required to submit necessary documents fulfilling the mentioned conditions.	NA

<b>Hoerbiger</b>						
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			(b) Nature of job done and Work order no./Contract no. (c) Contract period and date of completion or iii) SES (Service Entry Sheet)/Certificate of Payment (COP) issued by the company indicating the following: (a) Work order no./Contract no. (b) Gross value of jobs/quantity done (c) Period of Service (d) Nature of Service			

Neptunus-Power						
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1	TECHNICAL SCOPE OF WORK	Page no. 94 of 113 Point C.1	Solution to be deployed will receive data from the reciprocating gas compressors and engines through two (2) types of interconnections. A) Electronic panel for gas compressors B) Direct sensors installation on the ports available on compressors and engines	Process connection details, pipe size and range for pressure and temperature sensors are required in order to decide on selection of instruments. Insertion length is required in case of temperature sensor (Pipe ID ).	Bidder is advised to visit site for any details regarding port size, pipe size etc.	NA
2	TECHNICAL SCOPE OF WORK	Page no. 94 of 113 Point C.4	Bidder to ensure solution has the capability to integrate with built-in RS232 and RS485/422 ports. To communicate with the system bidder may require a terminal program like Procomm Plus™ or Microsoft Terminal™ or HyperTerminal™ (indicative). Using the Modbus protocol bidder may use transmission mediums like direct, modem, FM transmitter, MSat satellite, or any other comparable method.	As the output is Modbus RTU (RS 485 ) from Altronic electronic panel for compressor. Here we need Modbus Register mapping details indicating parameter list to integrate the data to Cloud server through IoT Gateway (LTE based with 2 sim for redundancy).  Depending on the number of register mapping details (Require During detail engineering) ,cloud storage space required over time will be determined.	Modbus mapping details has to be arranged from M/s Altronic Inc. OIL will give the contact details of the concerned personnel.	NA



Neptunus-Power						
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3	TECHNICAL SCOPE OF WORK	Page no. 94 of 113 Point C.7	<p>Solution should be able to capture and prevent unplanned shutdowns by raising alarms at the right time. Exacta 21 uses the industry standard Class A, B, C, and D designations, with individual timers on all Class B's (programmable default setting). An unlimited number of shutdowns and alarms can be added on any channel, including the normal high and low shutdowns and alarms, plus: Differentials Calculated shutdowns Time delayed shutdowns Out of range. The same need to be captured by the system and transmitted onto the portal with accurate insights.</p>	<p>Here we understood that the requirement is at cloud server level. Please confirm.</p> <p>Alerts and alarms will be available to customer over email at no cost . Alerts and alarms will be available to customer over messages at extra cost based on number of messages and will be billed monthly.</p>	<p>Agreed, As per Tender document, notifications are required over e-mail or SMS. Notifications via mail would be sufficient. Any other requirements for SMS notification would be mutually agreed for.</p>	NA

<b>Neptunus-Power</b>						
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4	TECHNICAL SCOPE OF WORK	Page no. 94 of 113 Point C.8	<p>Solution should be able to capture the parameters by reading from electronic panel – list of all running parameters.                      Exacta 21 monitors:                      - Analog Inputs Read Only                      - Analog Outputs Read                      - Discrete Inputs Read                      - Discrete Outputs Read                      - PID Setpoints Read                      - PID Auto/Manual Read                      - Shutdown Setpoints Read                      - Alarm Setpoints Read                      - Shutdown Status Read Only                      - Alarm Status Read Only                      - Engine RPM Read Only                      - First In Shutdown Read Only                      - Hour Meter Read Only                      - State Engine Read                      - Timers Read                      - Counters Read</p>	<p>Please refer neptunus Query for Section C.4 Neptunus will supply LTE Based with SIM but the recharge package shall be managed by customer.</p>	<p>Recharge package is included in the services by the bidder and has to be borne by bidder.</p>	NA

Neptunus-Power						
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5	TECHNICAL SCOPE OF WORK	Page no. 94 of 113 Point C.9	<p>Bidder would be required the capture the following information from electronic panel Exacta 21 for each of the compressor. All of these parameters need to be captured in the cloud server and need to be reported for analysis, insights and trend analysis.</p> <ul style="list-style-type: none"> <li>- Engine RPM</li> <li>- Shutdown Status</li> <li>- Alarm Status</li> <li>- Hour Meter</li> <li>- Suction pressure (1st Stage)</li> <li>- Discharge pressure (1st Stage)</li> <li>- Suction pressure (2nd Stage)</li> <li>- Discharge pressure (2nd Stage)</li> <li>- Suction Temperature (1st Stage)</li> <li>- Discharge Temperature (1st Stage)</li> <li>- Suction Temperature (2nd Stage)</li> <li>- Discharge Temperature (2nd Stage)</li> </ul>	<p>As the output is Modbus RTU (RS 485 ) from altronic electronic panel for compressor. Here we need Modbus Register mapping details indicating parameter list to integrate the data to Cloud server through IoT Gateway (LTE based with 2 sim for redundancy).</p> <p>Depending on the number of register mapping details (Require During detail engineering) ,cloud storage space required over time will be determined.</p>	<p>Modbus mapping details has to be arranged from M/s Altronic Inc. OIL will give the contact details of the concerned personnel.</p>	NA

**Neptunus-Power**

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			<ul style="list-style-type: none"><li>- Engine lube oil pressure</li><li>- Compressor lube oil pressure</li><li>- Engine lube oil temperature</li><li>- Compressor lube oil temperature</li><li>- Compressor cylinder lubrication (on/off status)</li><li>- Engine (individual cylinder temperature)</li><li>- Engine (right bank and left bank temperature)</li><li>- Engine Manifold (pressure)</li><li>- Engine Jacket water (temperature)</li><li>- Signal to by-pass controller % opening</li></ul>			

Neptunus-Power						
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6	TECHNICAL SCOPE OF WORK	Page no. 94 of 113 Point C.11	<p>Minimum List of sensors/ instrument to be installed on gas compressors</p> <ul style="list-style-type: none"> <li>- 2 Pressure sensors ( 1no. each in Crank / Head End), on 1st stg cylinder</li> <li>- 2 Pressure sensors (1 no. each in Crank / Head End ) on 2nd stg. cylinder)</li> <li>- 2 Vibration sensors (accelerometers) (Cross Head), on each cylinder</li> <li>- Crank shaft reference vibration data (compressor) to calculate the exact position of the piston in one cycle per revolution – Key phasor may be required or pulse if possible</li> </ul> <p>The list is not exhaustive. Bidder may add other instruments/sensors to get optimum information.</p>	<p>Neptunus' Compressor CM solution with one RPM sensor on the flywheel of the reciprocating compressor and another RPM sensor on the camshaft for the identification of TDC of cylinder 1 can pinpoint the following of individual cylinders:</p> <p>Injection timing, injection compression, bearing and compression</p> <p>These sensors individually cost around 25,000 rupees.</p> <p>Installation of these two rugged sensors will avoid the installation of pressure sensors on the cylinder heads and accelerometers on individual cylinders.</p> <p>As the complete analysis is available to an operator in graphical format measurement of crank shaft reference vibration data is not required.</p>	<p>Tender clause to be retained.</p> <p>The sensors mentioned in the Tenders are mandatory, over and above any other sensors required by the Bidder may be installed.</p>	NA

Neptunus-Power						
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7	TECHNICAL SCOPE OF WORK	Page no. 103 Hardware Requirement	Hardware requirement: Pressure sensors, Accelerometer, IO Module, Gateway shall be rated for hazardous area Zone 1 and Zone 2 Grp 2 A and 2 B.	<p>As per the information mentioned in the query description in point 11, Accelerometers on individual cylinders are not required and only 2 RPM sensors one on Flywheel and one on Camshaft will be enough to completely diagnose the compressor to cylinder specific level. Considering this, our equipment,</p> <p>a) RPM sensor (Equivalent to <b>ATEX and IECEx approved for use in hazardous areas: Ex mb (Zone 1, 2)</b>)</p> <p>b) <b>4G LTE Gateway will be CE Certified</b> equivalent to Advantech Make <b>ECU-1251</b> (Refer attached Datasheet in the email for the same ).</p> <p><b>ECU-1251</b> with Antenna suitable for Zone 1 and <b>Engine Diagnostic Controller/Syste</b></p>	Tender clause to be retained.	NA

Neptunus-Power						
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				<p><b>m</b> will be installed inside flameproof enclosure certified by PESO (Refer attached PESO certificate in the email for approval on Enclosure series EJB 07)</p> <p>Enclosure Specs: EJB 07 Exd Copper Free Aluminum IP 66 Bolted Lid External ,Color RAL 7035,PESO Certified.</p>		
8	TECHNICAL SCOPE OF WORK	Page no. 105 Asset Scope	Asset Scope	<p>Please share Plant layout require to workout on the IoT architecture and cable requirement. Also need information on location of main cloud server system. Cable quantity will be billed as per actual. Area classification details require here to decide on hazardous and safe area.</p>	Bidder is advised to visit site for any details regarding port size, pipe size etc.	NA

Neptunus-Power						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE/ REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE/ REMARKS	Change to be proposed in Corrigendum
9	BID EVALUATION CRITERIA	Page no. 27-28 TECHNICAL EVALUATION CRITERIA/ EXPERIENCE/ Notes to BEC Clause 2.1.2 & 2.1.3 above:	d. Following work experience will also be taken into consideration: (i) If the prospective bidder has executed contract in which similar work is also a component of the contract. (ii) In case the start date of the requisite experience is beyond the prescribed 10 (ten) years reckoned from the original bid closing date but completion is within the prescribed 10 (ten) years reckoned from the original bid closing date. (iii) If the prospective bidder is executing similar work which is still running and the contract value/quantity executed prior to original bid closing date is equal to or more than the minimum prescribed value in the BEC.	For similar work, if CBM was done on assets other than compressor, can same be considered as experience	Tender clause to be retained.	NA



Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE/ REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE/ REMARKS	Change to be proposed in Corrigendum
1	Instructions to Bidder	Page no. 24 30.0 GOODS AND SERVICES TAX:/ 30.10		OIL will provide a recommendatory letter for arranging essentiality certificate under notification no. 50/2017-Customs for availment of NIL rate of customs duty and concessional rate of IGST applicable on import.	Yes	Add
2	BID EVALUATION CRITERIA	Page no. 29 TECHNICAL EVALUATION CRITERIA/ 2.3.1 BID FROM INDIAN COMPANY/INDIAN JOINT VENTURE COMPANY WITH TECHNICAL COLLABORATION/JOINT VENTURE PARTNER	The primary bidder who is incorporated in India and maintains more than 20% local content for the offered services as mentioned in Clause No. 2.0 above, shall have the experience of successfully completing at least 01 (One) no. of contract on its own independently for <b>“Implementation of condition-based maintenance Asset health Monitoring system”</b> during the last 10 (ten) years to be reckoned from the original bid closing date. In support of the experience, the bidder shall	Request OIL to kindly consider this change in line with the section 2.1.2	Tender clause to be retained.	NA

Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE/ REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE/ REMARKS	Change to be proposed in Corrigendum
			submit documentary evidences as per Notes to BEC Clause 1.2 above.			
<b>3</b>	BID EVALUATION CRITERIA	Page no. 29 TECHNICAL EVALUATION CRITERIA/ 2.3.3 BID SUBMITTED ON THE BASIS OF TECHNICAL EXPERIENCE OF SISTER SUBSIDIARY /CO-SUBSIDIARY COMPANY:	The sister subsidiary/co-subsidiary company and the bidding company are both directly or indirectly owned <del>100%</del> <del>subsidaries of an ultimate parent/holding company.</del> directly/indirectly owned by more than 50% by an ultimate parent company/holding company or by intermediate subsidiaries of an ultimate parent company/holding company	A similar condition was proposed and accepted for tender # CDH665	Tender clause to be retained.	NA
<b>4</b>	GENERAL CONDITIONS OF CONTRACT	Page no. 43 1.2.6 Sub-Contract:	Shall mean any person or firm or COMPANY (other than CONTRACTOR) to whom any part of the work has been	As OIL will not be appointing any sub-contractor for the Contractor, we request deletion of the wording "or the	In case the clause is not applicable then no grounds can be used to invoke the	NA

Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE/ REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE/ REMARKS	Change to be proposed in Corrigendum
			entrusted by CONTRACTOR, with written consent of OIL <del>or the persons appointed by OIL,</del> successors and permitted assigns of such persons, firm or COMPANY.	persons appointed by OIL”.	clause during the course of implementation. Clause to be retained.	
5	GENERAL CONDITIONS OF CONTRACT	Page no. 44 1.2.11 Service/Works/Operations:	Shall mean and include all items and things to be supplied/done and all work/Service to be performed by the CONTRACTOR as specified <u>and mutually agreed</u> in the Scope of Work under this CONTRACT <del>and shall also include all extra, additional, altered or substituted works/services as required for the purpose of successful execution of the Contract.</del>	Any extra/ additional work or alteration or substitution of work / services to be mutually agreed. It is clarified by OIL in Tender No CDG5704P21 that any change will be through a change order and mutually agreed.	Any additions beyond the scope of work specified in the tender shall be enacted upon through a separate change order upon mutual agreement with bidder	NA
6	GENERAL CONDITIONS OF CONTRACT	Page no. 44 1.2.14 Specifications :	Means and includes all technical specifications, provision attached and referred to in the tender/contract document regarding method and manner of performing the	Any changes to the specifications to be mutually agreed. It is clarified by OIL in Tender No CDG5704P21 that any change will be through a change order and mutually agreed.	Any additions beyond the scope of work specified in the tender shall be enacted upon through a separate change order upon mutual agreement	NA

Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE/ REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE/ REMARKS	Change to be proposed in Corrigendum
			services and qualities of the service/materials to be provided under the contract and also as modified <u>upon mutual agreement by the parties COMPANY/its site representative</u> during the execution of contract in the best interest of service.		with bidder	
<b>7</b>	GENERAL CONDITION S OF CONTRACT	Page no. 47 3.2 Change Program:	It is agreed that CONTRACTOR shall carry out work in accordance with the completion program (e.g. Drilling Programme) to be furnished by the COMPANY, which may be changed from time to time by reasonable modifications in the program as COMPANY sees fit <u>upon mutual agreement.</u> <del>COMPANY's instruction in this regard shall be final and binding.</del>	Any changes to be mutually agreed.	Any additions beyond the scope of work specified in the tender shall be enacted upon through a separate change order upon mutual agreement with bidder	NA

Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE/ REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE/ REMARKS	Change to be proposed in Corrigendum
8	GENERAL CONDITIONS OF CONTRACT	Page no. 55 14.0 INSURANCE:	<p>Contractor at his cost shall arrange, secure and maintain insurance as may be necessary <del>and to its full value for all such amounts to protect the works in progress from time to time and the interest of Company against cover</del> all risks assumed by Contractor as detailed herein. The form and the limit of such insurance, shall be as defined here in <del>together with the under works thereof in each case should be as acceptable to the Company.</del> However, irrespective of work acceptance the responsibility to <u>To</u> maintain adequate insurance coverage at all times during the period of Contract shall be that of Contractor alone. Contractor's failure in this regard shall not relieve him of any of his responsibilities &amp; obligations under Contract. All costs</p>	<p>The insurances taken by Contractor shall be as per the laws and as required to cover the liabilities assumed by Contractor under this contract. The insurance has nothing to acceptance or non-acceptance of the work.</p> <p>Since (i) Contractor shall not be taking any insurance, specifically for this contract (ii) this is a short-term contract; and (iii) once the premium is paid, the limit cannot be changed, we request deletion of these wordings.</p> <p>Usage of Indian Insurance Companies is to the extent required as per the regulations.</p> <p>We request OIL to kindly consider our exceptions on clause 14 or alternatively include a revised Insurance clause in the SCC as did in tender number</p>	No Changes are acceptable in GCC.	NA

Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE/ REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE/ REMARKS	Change to be proposed in Corrigendum
			<p>on account of insurance liabilities covered under Contract will be to Contractor's account and will be included in Value of Contract. However, <del>the Company may from time to time, during the currency of the Contract, ask the Contractor in writing to limit the insurance coverage risk and in such a case, the parties to the Contract will agree for a mutual settlement, for reduction in value of Contract to the extent of reduced premium amounts.</del></p> <p>Contractor shall cover insurance with Indian Insurance Companies <u>to the extent required as per the regulations.</u></p>	CDH6605P21 for 'Hiring of (e-RTMAC for drilling operations) at sl. No. 21.		
10	GENERAL CONDITION S OF CONTRACT	Page no. 56 14.6	Contractor shall also inform the Company at least <del>60</del> 30 days in advance regarding the expiry cancellation and/or changes in any of such documents &	We request the notice period to be limited to 30 days as it is the standard practice of the industry and it is in contradiction with clause 14.5 (e).	No changes are acceptable in the GCC of the tender.	NA

Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE/ REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE/ REMARKS	Change to be proposed in Corrigendum
			ensure revalidation/renewal, etc., as may be necessary well in time.			
11	GENERAL CONDITIONS OF CONTRACT	Page no. 56 14.7	<p>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.</p> <p><del>Furthermore, a penal interest @1% of the Total contract value shall be charged towards not fulfilling of the contractual obligations.</del></p> <p>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.</p>	<p>We request deletion of this penal interest provision as Contractor will any way be liable or responsible for the obligation undertaken in the contract, whether the insurance is maintained or not.</p>	<p>No changes are acceptable in the GCC of the tender.</p>	NA

Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE / REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE / REMARKS	Change to be proposed in Corrigendum
<b>12</b>	GENERAL CONDITION S OF CONTRACT	Page no. 56 14.8	<p><del>Contractor on demand from Company shall furnish the Insurance Policy having detail terms and conditions, with respect to any Certificate of Insurance submitted to the Company.</del></p> <p>CONTRACTOR shall, at his own expense, arrange appropriate comprehensive insurance to cover all risks assumed by the CONTRACTOR under this CONTRACT in respect of CONTRACTOR's equipment, tools and any other belongings of the CONTRACTOR and its personnel as well deputed under this CONTRACT during the entire period of their engagement in connection with this CONTRACT including extensions if any. The CONTRACTOR shall also carry adequate insurance cover against</p>	<p>We request deletion of this requirement as the policy is confidential, we will not be able to share with OIL. In addition, the certificates of insurance include all mandatory information to evidence our compliance with the contractual insurance requirements.</p> <p>This (third party) will be subject to the liabilities of Contractor under the Contract.</p>	No changes are acceptable in the GCC of the tender.	NA



Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE/ REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE/ REMARKS	Change to be proposed in Corrigendum
			<p>damage/loss to third party person/property, but to the extent of the Contractor's liabilities under the Contract. OIL will have no liability on this account.</p>			
<b>14</b>	GENERAL CONDITIONS OF CONTRACT	Page no. 56 14.9 Principal Assured:	<p>The following are to be included as Principal Assured (s) in the Insurance Policies (except in case of Workmen's Compensation/Employer's Liability insurance): "Oil India Limited" and CONTRACTOR's name (as appearing in the Contract /LOA)". "Oil India Limited has to be named additional insured on the insurance policies, (except in case of Workmen's Compensation / Employer's Liability Insurance).</p>	<p>As additional insured is the standard language used in the Oil and Gas contracts, we request this change.</p>	<p>No changes are acceptable in the GCC of the tender.</p>	NA

Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE / REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE / REMARKS	Change to be proposed in Corrigendum
15	GENERAL CONDITIONS OF CONTRACT	Page no. 57 14.12 Compliance with Sec 25(1), of "The General Insurance Business (Nationalization) Act 1972"	Section 25(1) of "The General Insurance Business (Nationalization) Act 1972" is reproduced below: "No person shall take out or renew any policy of insurance in respect of any property in India or any ship or other vessel or aircraft registered in India with an insurer whose principal place of business is outside India save with the prior permission of the Central Government". The above requirement of aforesaid Act needs to be complied with by the CONTRACTOR wherever the aforesaid provisions of Act apply, and compliance confirmations submitted.	We request deletion of this provision as it is not relevant for scope envisaged in this tender.	In case the clause is not applicable then no grounds can be used to invoke the clause during the course of implementation. Clause to be retained.	NA
16	GENERAL CONDITIONS OF CONTRACT	Page no. 57 14.13 Loss Payee Clause:	The Insurance Policies should mention the following in Loss Payee Clause: "In respect of Insurance claims in which OIL's	Not applicable	No changes are acceptable in the GCC of the tender.	NA

Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE/ REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE/ REMARKS	Change to be proposed in Corrigendum
			interest is involved, written consent of OIL will be required".			
<b>17</b>	GENERAL CONDITION S OF CONTRACT	Page no. 57 14.14 On account payment to OIL in case of claim	<del>In case any loss or damage happen and where OIL's interest is involved, OIL reserves the right to recover the loss amount from the CONTRACTOR prior to final settlement of the claim.</del>	Not applicable as per the indemnity provisions of the contract.	No changes are acceptable in the GCC of the tender.	NA
<b>16.</b>	GENERAL CONDITION S OF CONTRACT	Page no. 57 14.16 ii) <del>Commercial</del> <u>Comprehensive</u> General Liability Insurance:	<del>Commercial Comprehensive General Public Liability Insurance covering liabilities including contractual liability for bodily injury, including death of persons, and liabilities for damage of property. This insurance must cover all operations of CONTRACTOR required to fulfil the provisions under this Contract.</del>	We request this change to make it comprehensive general liability as per the industry norm.	Change is GCC is not allowed. These are bidder-specific queries and can only be considered upon successful LOA during the course of implementation or contract formulation	NA
<b>17.</b>	GENERAL CONDITION S OF CONTRACT	Page no. 57 14.16 iii) Comprehensive General Automotive Liability	Automobile Public Liability Insurance covering owned, non-owned and <del>hired</del> leased automobiles used	For clarity purposes.	Change is GCC is not allowed. These are bidder-specific queries and	NA

Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE/ REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE/ REMARKS	Change to be proposed in Corrigendum
			in the performance of the work hereunder, with bodily injury limits and property damage limits shall be governed by Indian Insurance Regulations.		can only be considered upon successful LOA during the course of implementation or contract formulation	
<b>18.</b>	GENERAL CONDITIONS OF CONTRACT	Page no. 57 14.16 iv) Carrier's Legal Liability Insurance:	<del>Carrier's Legal Liability Insurance in respect of all CONTRACTOR's items to be transported by the CONTRACTOR to the site of work, for physical loss or destruction of or damage to goods or merchandise, while in transit.</del>	As our equipment are self-insured, we request deletion of this requirement.	Change is GCC is not allowed. These are bidder-specific queries and can only be considered upon successful LOA during the course of implementation or contract formulation	NA
<b>19.</b>	GENERAL CONDITIONS OF CONTRACT	Page no. 57 14.16 v) Public Liability Act Policy	Public Liability Act Policy, <u>if applicable</u> , 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 there under.	We request addition of "if applicable" this insurance is not applicable to us. This insurance is applicable whether hazardous chemicals are used.	Change is GCC is not allowed. These are bidder-specific queries and can only be considered upon successful LOA during the course of implementation or contract formulation	NA

Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE / REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE / REMARKS	Change to be proposed in Corrigendum
20.	GENERAL CONDITION S OF CONTRACT	Page no. 58 14.16 vi) Pradhan Mantri Suraksha Bima Yojana (PMSBY) and Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY):	CONTRACTOR shall, ensure that all his/its personnel deployed under this contract have obtained additional insurance coverage under the Pradhan Mantri Suraksha Bima Yojana (PMSBY) and Pradhan Mantri Jeevan Jyoti Bima Yojana (PMJJBY) through the participating banks and submit the proof of such insurance coverage to the satisfaction of OIL.	We request OIL to kindly confirm this is applicable if the Contractor is using contract labourers only (not permanent employees).	Change is GCC is not allowed. These are bidder-specific queries and can only be considered upon successful LOA during the course of implementation or contract formulation	NA
21.	GENERAL CONDITION S OF CONTRACT	Page no. 58 14.16 vii)	CONTRACTOR's equipment used for execution of the work hereunder shall have an insurance cover with a suitable limit (as per international standards) <u>or Contractor shall have the right to self-insure, except while the equipment are below rotary table or in the well bore.</u>	Contractor shall have the option to self insure its equipment. Insurance or self insurance shall not be applicable for equipment while below rotary table or in the well bore.	Change is GCC is not allowed. These are bidder-specific queries and can only be considered upon successful LOA during the course of implementation or contract formulation	NA
22.	GENERAL CONDITION	Page no. 58 19.0 RISK	In the event, CONTRACTOR's	Hiring of any other party or	No changes are	NA

Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE/ REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE/ REMARKS	Change to be proposed in Corrigendum
	S OF CONTRACT	PURCHASE:	<p>failure to provide the services as per the Contractual scope, terms and conditions, <u>and Contractor has not remedied such failure within a mutually agreed reasonable time</u>, COMPANY (OIL) reserves the right to hire the services from any other source at the CONTRACTOR's <del>risk</del> &amp; cost and the difference in cost <u>subject to a maximum of 50% of the contract value payable for the defective work which needs corrective action</u> shall be borne by the CONTRACTOR. Further, OIL shall retain the right of forfeiture of Performance Bank Guarantee and any other action as deemed fit <u>as per Contract</u>. In certain operational situations OIL reserves the right to take over the site <del>including the service equipment at the risk and</del></p>	<p>taking over the site cannot be at the "risk" of the Contractor. Contractor's equipment cannot be taken over by OIL. Any action taken to be as per the contract only.</p>	<p>acceptable in the GCC of the tender. No decision will be unilateral in nature and shall be undertaken upon mutual agreement with OIL</p>	

Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE / REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE / REMARKS	Change to be proposed in Corrigendum
			cost of the CONTRACTOR.			
23.	GENERAL CONDITION S OF CONTRACT	Page no. 61 23.1 Warranty and Remedy of Defects:	CONTRACTOR warrants that they shall perform the work in a <del>first class,</del> workmanlike, and professional manner and <del>in accordance with their highest degree of quality, efficiency and current state of the art technology/industry practices and</del> in conformity with all specifications, standards and drawings set forth or referred to in the Terms of Reference and with instructions and guidance, which COMPANY may <u>on mutual agreement with the CONTRACTOR,</u> from time to time, furnish to the CONTRACTOR <u>as per Contract.</u>	We request to revise the warranty provision in light of the scope for this tender.	No changes are acceptable in the GCC of the tender.	NA

Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE/ REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE/ REMARKS	Change to be proposed in Corrigendum
24.	GENERAL CONDITIONS OF CONTRACT	Page no. 61 23.2 Warranty and Remedy of Defects:	Should COMPANY discover, <u>within 12 months from start up or 18 months from delivery, at any time during the tenure of the Contract or till the Unit/equipment/tools are demobilized from site or base camp (if applicable), whichever is earlier</u> that the work does not conform to the foregoing warranty, CONTRACTOR shall after receipt of notice from COMPANY, promptly perform any and all corrective work required to make the services conform to the Warranty. Such corrective Work shall be performed entirely at CONTRACTOR's own expenses. If such corrective Work is not performed within a reasonable <u>mutually agreed time</u> , the COMPANY, at its option may have such remedial	We request company to add "whichever is earlier" to have clarity and the definite time period.  Remedy will be done with a mutually agreed time frame.  Additional cost to be the difference in the cost mentioned in the contract and the cost to be paid to the other.	All correction requests will be discussed with the bidder during implementation. No actions will be unilateral in nature	NA



Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE/ REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE/ REMARKS	Change to be proposed in Corrigendum
			<p>Work <del>at its cost performed by others and charge the cost thereof to CONTRACTOR</del> subject to a maximum of the contract value payable for the defective work which needs corrective action which the CONTRACTOR must pay promptly. In case CONTRACTOR fails to perform remedial work, or pay promptly in respect thereof, the performance security shall be forfeited.</p>			
25.	GENERAL CONDITIONS OF CONTRACT	Page no. 62 24.1 SUBCONTRACTING/ASSIGNMENT:	<p><del>CONTRACTOR shall not subcontract, transfer or assign the contract, or any part under this contract, to any third party(is). Except for the main services under this contract, CONTRACTOR may subcontract the petty support services subject to COMPANY's prior written approval. However, CONTRACTOR shall be fully responsible for complete</del></p>	<p>We request for the deletion of this clause as this contradicts with the definition 1.2.4 which allow subcontracting with the consent of OIL.</p>	<p>No changes are acceptable in the GCC of the tender.</p>	NA

Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE / REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE / REMARKS	Change to be proposed in Corrigendum
			<del>execution and performance of the services under the Contract.</del>			
26.	GENERAL CONDITIONS OF CONTRACT	Page no. 62 27.11	<p>Payment of Final demobilization charges shall be made if applicable within 45 days on receipt of invoice by COMPANY accompanied by the following documents from the CONTRACTOR:</p> <p>a) Audited account up to completion of the Contract.</p> <p>b) Tax audit report for the above period as required under the Indian Tax Laws.</p> <p>c) Documentary evidence regarding the submission of returns and payment to taxes for the expatriate personnel engaged by the CONTRACTOR or by its sub-CONTRACTOR.</p> <p>d) Proof of re-export of all items including the</p>	Kindly delete the entire clause, since audited accounts and all the other compliance documents are provided at the start of contract itself.	No changes are acceptable in the GCC of the tender.	NA

Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE / REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE / REMARKS	Change to be proposed in Corrigendum
			<p>unutilized spares and consumables (excepting consumables consumed during the contract period) and also cancellation of re-export bond if any.</p> <p>e) Any other documents as required by applicable Indian Laws.</p> <p>In case, no demobilization charges are payable, the documents mentioned above will have to be submitted by the CONTRACTOR before release of the final payment by the COMPANY. A certificate from Chartered Accountant on (a), (b) &amp; (c) above will suffice</p>			
27.	GENERAL CONDITIONS OF CONTRACT	Page no. 67 32.0 SET-OFF:	Any sum of money due and payable to the CONTRACTOR (including Performance	Not acceptable; there can be no set off that can be done against any other contract	No changes are acceptable in the GCC of the tender. Standard OIL	NA

Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE/ REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE/ REMARKS	Change to be proposed in Corrigendum
			Security refundable to them) under this or any other Contract, whether in progress or in future, may be appropriated by OIL and set-off against any claim of OIL (or such other person or persons contracting through OIL) for payment of a sum of money arising out of this contract or under any other contract made by the CONTRACTOR with OIL (or such other person or persons contracting through OIL).		clause.	
<b>28.</b>	GENERAL CONDITIONS OF CONTRACT	Page no. 67 33.0 WITHHOLDING:	COMPANY may withhold or nullify the whole or any part of the amount due to CONTRACTOR, after informing the CONTRACTOR of the reasons in writing, on account of subsequently discovered evidence in order to protect COMPANY from loss on account of:	Company should not "nullify" any amount due to the contractor.	No decisions will be taken unilaterally. Bidder shall be duly informed and consulted with.	NA
<b>29.</b>	GENERAL	Page no. 68	COMPANY	Company should	No decisions	NA

Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE/ REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE/ REMARKS	Change to be proposed in Corrigendum
	CONDITIONS OF CONTRACT	33.8	reserves the right to disburse or deposit the amount so withheld to the concerned person(s) or agency or government authority, as the case may be, <del>besides nullifying such amount</del> on account of <del>loss suffered</del> <u>claims received</u> by the COMPANY against 33.2, 33.3, 33.6 & 33.7 above.	not "nullify" any amount due to the contractor.	will be taken unilaterally. Bidder shall be duly informed and consulted with.	
30.	GENERAL CONDITIONS OF CONTRACT	Page no. 79 TO 45.0 DETERMINE THE CONTRACT:	In such an event (i.e. termination under Article No. 44.4 to 44.9 above), the contract shall stand terminated and shall cease to be in force from the date of such notification by the COMPANY. Thereafter the CONTRACTOR shall stop forthwith any of the work then in progress, except those work which the COMPANY may, in writing, require to be done to safeguard any property or work, or installations from damages, and the COMPANY may	Contractor cannot take risk in such cases.	Tender clause to be retained	NA
				The excess liability to be limited to 50% of the annualized contract value.		

Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE/ REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE/ REMARKS	Change to be proposed in Corrigendum
			take over the remaining unfinished work of the CONTRACTOR and complete the same through a fresh CONTRACTOR or by other means, at the <del>risk and</del> cost of the CONTRACTOR, and any of its sureties if any, shall be liable to the COMPANY for any excess cost occasioned by such work having to be so taken over and completed by the COMPANY <u>provided that such excess cost shall be limited to 50% of the annualized Contract Value.</u> <del>Over and above the cost at the rate/cost specified in the schedule of quantities and rates/prices.</del>			
31.	GENERAL	Page no. 80	In such an event	We kindly request	Tender clause	NA

Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE/ REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE/ REMARKS	Change to be proposed in Corrigendum
	CONDITIONS OF CONTRACT	46.0 WITHOUT DETERMINING THE CONTRACT:	(i.e. termination under Article No. 44.4 to 44.9 above), the COMPANY may take over the work of the CONTRACTOR or any part thereof and complete the same through a fresh CONTRACTOR or by other means, at the risk and cost of the CONTRACTOR. The CONTRACTOR and any of its sureties are liable to the COMPANY for any excess cost over and above the cost at the rates specified in the schedule of quantities and rates/prices, occasioned by such work having been taken over and completed by the COMPANY.	for the deletion of this clause.	to be retained	
<b>33.</b>	SPECIAL CONDITIONS OF CONTRACT	(New Clause) DATA INTERPRETATION	Please insert new provision as follows:  Since all data interpretations are based on inference from electrical or other measurements, Contractor cannot and does not	Insertion to provide clarity on rights and obligation of each parties in relation to interpretations. This is similar to provision available in OIL tender such as CDG7411L22.	Clause can not be included. Bidder's solution should provide objective data which should be accurate. Bidder shall guide OIL in	NA

Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE/ REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE/ REMARKS	Change to be proposed in Corrigendum
			<p>guarantee the accuracy or correctness of any interpretation and Company agrees that Contractor shall not be liable or responsible except for the case of gross negligence on Contractor or his sub-contractors part, for any loss, cost, damage or expense incurred or sustained by Company resulting directly or indirectly from any interpretation made by Contractor or any of its agents, servants, officers or employees. Should any such interpretation or recommendation be relied upon as the sole basis for any drilling, completion, well treatment or production decision or any procedure involving any risk to the safety of any drilling ventures, drilling rig, or its crew or any other individual, Company agrees that under no circumstances</p>		<p>the derivation of inferences from dashboard.</p>	



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			shall Contractor be liable for any consequential loss or damages on this account except in case of Willful Misconduct.			
<b>34.</b>	SPECIAL CONDITIONS OF CONTRACT	(New Clause) LIABILITY FOR THE WELL OR RESERVOIR	<p>Please insert new provision as follows:</p> <p><u>Notwithstanding anything else contained herein to the contrary, the CONTRACTOR shall not be liable or responsible for or in respect of:</u></p> <p>i. <u>Any sub-surface damage (including but not limited to damages or loss of a well or reservoir or formation, the loss of any oil or gas there from), or</u></p>	We kindly request the exclusion of element of gross negligence as it would expose to catastrophic risk which does not commensurate revenue of Bidder.	Clause cannot be included	NA

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			<p><u>any surface loss or damage or injury or death arising out of a sub-surface damage; and/or</u></p> <p>ii. <u>Blowout, fire, explosion or any other uncontrolled well condition; and/or</u></p> <p>iii. <u>Damage to, or loss of oil or gas from any pipelines, vessels or storage or production facilities; and/or</u></p> <p>i. <u>Any loss or damage or injury or death whatsoever, direct or consequential, including liability arising from pollution originating below the surface and any clean-up costs, whether caused by their personnel or Equipment or otherwise arising from or in any way connected with such sub-surface Operations or in performing or attempting to perform any such Operations;</u></p> <p>ii. <u>Third party liabilities arising out of the</u></p>			

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			<p><u>above irrespective of the cause and the</u></p> <p>iii. <u>Company agrees that it shall absolve the CONTRACTOR and protect, defend, indemnify and hold the CONTRACTOR and its Sub-CONTRACTORS, its agents and its parents, subsidiaries and affiliates, its other CONTRACTORS and/or its and their directors, officers, employees, consultants and invitees harmless from and against all claims, suits, demands and causes of actions, liabilities, expenses, costs and judgments of every kind and character (including without limitation for the loss or damage of any property, or the injury or death of any person), without limit, in favor of any person, party or entity, resulting from any of the above, including costs</u></p>			

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			<p><u>incurred by Company in this respect.</u></p> <p>iv. <u>Provided that such loss, damage etc. as stated in (i) to (iv) above is not caused on account of willful misconduct or gross negligence of the CONTRACTOR or its personnel/sub-CONTRACTORs of any tier / agents / invitees / consultants or parties associated with the CONTRACTOR</u></p>			
35.	SPECIAL CONDITIONS OF CONTRACT	(New Clause) IMPORT/EXPORT LAW COMPLIANCE	Please insert new provision as follows:	This is to ensure compliance to the respective trade control and	Clause cannot be included	NA

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		E	<p>i) <u>Company shall ensure that it and its co-venturers, its other contractor and subcontractors, and the personnel of the foregoing are bound by and comply with the applicable laws, including data residency, sanctions laws and regulations. Company shall be liable for and shall defend, indemnify and hold Contractor, its affiliates, its subcontractors, and the personnel of the foregoing harmless from and against all fines and penalties and any other damages suffered by the Contractor its affiliates, its subcontractors, and the personnel of the foregoing resulting from a breach of such applicable laws by Company its co-venturers, its other contractor and subcontractors, and the personnel of the foregoing.</u></p>	sanction and to avoid both criminal and civil liability.		

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			<p>ii) <u>Company represents that as of the Effective Date of the Contract (i) it is not, and neither any of its affiliates or any of their directors or officers are, listed as a restricted person; (ii) it is not, and neither any of its affiliates or any of their directors or officers are in breach of any sanction laws and regulations; and (iii) due performance of its obligations under the Contract will not result in a breach of any sanction laws and regulations.</u></p> <p>iii) <u>To the extent and in the event that Contractor performance of the Contract results or would result in non-compliance with, a violation of, or be inconsistent with sanction laws and regulations, Contractor shall, as soon as reasonably practicable, give a written notice to the Company,</u></p>			

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			<p><u>with the details and specifics of the applicable sanction laws and regulations.</u>  <u>Provided that all conditions in this paragraph (c) are satisfied,</u>  <u>Contractor may suspend or delay the performance of its obligations under the Contract.</u></p> <p>iv) <u>Company undertakes at any time during the duration of this Contract at the request of Contractor to sign and provide Contractor with a Certificate of End Use. Contractor reserves the right to suspend the performance of its obligations under this Contract until the Certificate of End Use signed by the Company is obtained.</u></p>			

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<b>Sl. No</b>	<b>Section</b>	<b>Clause No. &amp; Page No.</b>	<b>ORIGINAL CLAUSE / REQUIREMENT IN SOW</b>	<b>QUERY / REMARK</b>	<b>OIL's RESPONSE / REMARKS</b>	<b>Change to be proposed in Corrigendum</b>
			<p>v) <u>Company shall not, directly or indirectly, sell, provide, export, re-export, transfer, divert, loan, lease, consign, or otherwise dispose of any of the goods and/or services, software including source code, or technology to or via any person, entity, or destination, or for any activity or end-use restricted by any applicable laws (including those applicable to nuclear, missile, chemical, or biological weapons proliferation) without first obtaining all required government authorizations.</u></p>			
<b>36.</b>	SPECIAL CONDITION S OF CONTRACT	(New Clause)	Please insert as follows:	Bidder's software license conditions. This is a standard clause for licensing and has been agreed by OIL in previous POs. Reference:	Following clause can be included under SCC Proprietary rights and usage of proposed	Add



Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE/ REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE/ REMARKS	Change to be proposed in Corrigendum
			<u>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 Bidder/Seller reserves all other rights that are not specifically granted to OIL.</u>	<p>Amendment to PO No. 7951021 dated 4<sup>th</sup> Jan 2017</p> <p>PO 7951094/GFD/L dated 08.11.2017 (Bidder's T&amp;Cs were part of the PO)</p> <p>PO 7951137/SJG dated 21.05.2018 (Bidder's T&amp;Cs were part of the PO)</p> <p>PO 7951171/DFD/L8 dated 21.12.2018 (Bidder's T&amp;Cs were part of the PO)</p>	<p>Software: OIL will honor the terms of contract related to IP rights of Software provided. Detailed terms related to Proprietary Rights, Patents, Copyrights, Confidentiality, Indemnity, Software Licensing and Usage, etc. will be mutually agreed upon by OIL and the successful bidder. Such terms will be incorporated in the agreement after placement of LOA on the successful bidder.</p>	
<b>37.</b>	SPECIAL CONDITIONS OF CONTRACT	(New Clause) Data Liability	Please insert new provision as follows:	Insertion to limit SLB liability on data. This is agreed by OIL in the following	OIL cannot accept non-accountability of contractor in	NA

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Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE/ REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE/ REMARKS	Change to be proposed in Corrigendum
				contract:	case of data loss/damage. Clause cannot be included	
			<u>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/hardware. It is clearly understood that Contractor has no liability for loss, damage, _____ or destruction to any Company data, except in the case of _____ intentional misconduct, _____ in which _____ case Contractor's sole liability is limited to reloading the data from the most _____ recent database back-up. In no event shall Contractor ever be liable for reacquiring OIL's data.</u>	Contract No. 6115293 dated 23 <sup>rd</sup> March 2021.		
<b>38.</b>	SPECIAL CONDITION S OF CONTRACT	(New Clause) Intellectual Property	Please insert the following clause:	This is to ensure protection of intellectual property of SLB. This is agreed by OIL in the following contract:	Following clause can be included under SCC Proprietary rights and usage of	Add

Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE / REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE / REMARKS	Change to be proposed in Corrigendum
			<p><u>While providing the goods/services to 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 the Contractor's exclusive property and which Contractor may freely utilize in providing goods/services for its customers. Except where expressly and specifically indicated in writing and in exchange for appropriate agreed payment, Contractor does not develop any intellectual property for ownership by OIL. Contractor retains sole ownership of any such intellectual capital (including intellectual property) created</u></p>	<p>Contract No. 6115293 dated 23<sup>rd</sup> March 2021.</p>	<p>proposed Software: OIL will honor the terms of contract related to IP rights of Software provided. Detailed terms related to Proprietary Rights, Patents, Copyrights, Confidentiality, Indemnity, Software Licensing and Usage, etc. will be mutually agreed upon by OIL and the successful bidder. Such terms will be incorporated in the agreement after placement of LOA on the successful bidder.</p>	

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Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE / REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE / REMARKS	Change to be proposed in Corrigendum
			<p><u>by Contractor during the course of providing the goods/Services. Contractor grants no title, license or right to OIL to use Contractor Group's intellectual capital (including intellectual property).</u></p>			
<b>39.</b>	SPECIAL CONDITIONS OF CONTRACT	(New Clause) Patent Indemnity	<p>Please insert the following clause:</p> <p><u>Contractor agrees to indemnify Company and pay any costs and damages finally awarded for claims based on an actual or alleged infringement of any parent, copyright or registered trademark</u></p>	<p>This is to exclude SLB IP infringement liabilities which is not within its control. This is agreed by OIL in the following contract:</p>	<p>Following clause can be included under SCC Proprietary rights and usage of proposed Software: OIL will honor the terms of contract related to IP rights of Software provided. Detailed terms related to Proprietary Rights, Patents, Copyrights,</p>	Add
				<p>Contract No. 6115293 dated 23<sup>rd</sup> March 2021.</p>		

Schlumberger						
Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE/ REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE/ REMARKS	Change to be proposed in Corrigendum
			<p><u>granted or registered at the effective date of this Contract in the country of original delivery or intended destination of the services and resulting from the use of the services in accordance with its intended purpose as specified in technical specifications of the services.</u></p> <p>However, Contractor will not be liable for Patent, copyright, registered trade mark or similar infringement that arises (i) Contractor's compliance with Company's specifications, where such specifications require Contractor to modify its services (ii) the combination of the services with other software, products or services not furnished or approved in writing by Company (iii) any unauthorized addition to or</p>		<p>Confidentiality, Indemnity, Software Licensing and Usage, etc. will be mutually agreed upon by OIL and the successful bidder. Such terms will be incorporated in the agreement after placement of LOA on the successful bidder.</p>	

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Sl. No	Section	Clause No. & Page No.	ORIGINAL CLAUSE/ REQUIREMENT IN SOW	QUERY / REMARK	OIL's RESPONSE/ REMARKS	Change to be proposed in Corrigendum
			<p><u>modification of the services (iv) any use of the services in the performance of a method or process (practice of a process), except where such practice is solely completed by or within the services (v) the combination of the services with other services where, but for the combination, there would be no infringement.</u></p> <p><u>Company will defend and hold Contractor harmless against any expense, judgment or loss for alleged infringement of any patent, copyright or other proprietary right which results from a claim based upon (i), (ii), (iii), (iv) &amp; (v).</u></p>			
40.	SPECIAL CONDITION S OF CONTRACT	(New Clause)	Please insert the following clause:	Since the terms and conditions which are necessary for	Clause can not be included.	NA

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			<u>Notwithstanding anything to the contrary, the performance of Agora and cloud services shall be solely governed by Schlumberger Agora Terms and Conditions.</u>	online (cloud) services are not covered under the GCC or the SCC, we request OIL to consider this insertion. The terms and conditions are also attached to this document. Same conditions were previously proposed for tenders # CDH7254P22 and # CDH7311P22.		
<b>41.</b>	SPECIAL CONDITION S OF CONTRACT	Page no. 83 Section I, Liquidated Damages	LIQUIDATED DAMAGES FOR DELAY IN MOBILIZATION/COMPLETION OF WORKS AND SERVICES: In the event of the Contractor's default in timely mobilization/completion within the stipulated period, the Contractor shall be liable to pay liquidated damages @ 0.5% of contract value, per week or part thereof of delay subject to maximum ceiling of 7.5% of contract value.	Kindly Add: Company will raise an appropriate Tax Invoice for charging GST on Liquidated Damage charges.	To be guided by Clause 30.0 of the GCC.	NA
<b>42.</b>	SPECIAL CONDITION S OF CONTRACT	Page no. 84 Section II, GST Clause 9	Kindly delete as highlighted below: GST shall be paid against receipt of tax invoice and proof of payment	We request OIL to kindly remove the strike portion since details of invoices for GST paid by contractor	Tender clause to be retained	NA

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			<del>of GST to government.</del>	are available on GSTR 2A of OIL.		
<b>43.</b>	SPECIAL CONDITIONS OF CONTRACT	Page no. 84 GST, New Clause	<p>Kindly clarify and add:</p> <hr/> <p>OIL will issue a recommendatory letter for issuance of Essentiality certificate under notification no. 50/2017-customs available at the time of import for claiming NIL rate of custom duty. In the event of denial of benefit to the contractor provided under notification no. 50/2017- Customs or no issuance of Essentiality certificate by DGH for reason not attributable to the contractor, contractor shall charge applicable customs duty on import of goods.</p>		Changes to be reflected in Corrigendum	Add
<b>44.</b>	SPECIAL CONDITIONS OF CONTRACT	(New Clause) Change in interpretation	Kindly add below for change in interpretation of tax laws:		To be guided by Clause 39.0 of the GCC.	NA



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		of Laws	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 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&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			

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			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.			
<b>45</b>	SCOPE OF WORK	Page no. 93 2.1 Functional Requirement/ B.5	The solution shall have the ability to consume equipment design or specification based on first principle-based models (e.g. equipment performance characteristics curve, efficiency curve etc.). This model should evaluate the equipment performance with respect to its operating envelope	OIL to confirm if design specifications, manufacturer performance data for the equipment will be provided prior to the execution	All Data available with OIL will be shared with the vendor after P.O. and during solution design phase	NA
<b>46</b>	SCOPE OF WORK	Page no. 93 2.1 Functional Requirement/ B.7	The solution shall have the geometric models and a comprehensive list of diagnostics or fault symptom	OIL to confirm if the solution needs to include pre-built/generic compressor data library?	Bidder's understanding is correct. Solution needs to include pre-built/generic	NA

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			defined in its library for gas compressor		compressor data library.	
<b>47</b>	SCOPE OF WORK	Page no. 93 2.1 Functional Requirement/ B.8	The solution shall have the ability to detect gas compressor faults as indicated below (non-exhaustive) on compressors where ports are available to use indicator valves for pressure measurement:	OIL to confirm if available comprehensive failure data for the equipment that are object of the tender? How many months of data will be available and in what format ( excel, unstructured formats, etc.)?	Failure history is available with OIL without any corresponding operating conditions at the time of failure. The Control panel will have approx. 10 days data regarding different failures. The data is available in unstructured format.	NA
<b>48</b>	SCOPE OF WORK	Page no. 93 2.1 Functional Requirement/ B.11	The solution to be deployed will be in a rental execution mode. The selected bidder will bring the required instruments, sensors, controllers, gateways etc. and deploy the same on compressors and gas engines	Request OIL to confirm if there is a minimum rental period commitment?	The minimum rental period commitment is duration of the contract, 3 (Three) Years extendable to another 1 year.	NA
<b>49</b>	SCOPE OF WORK	Page no. 94 2.1 Functional Requirement/ C.5	Bidder will be responsible to liaison with existing OEM – Altronics for integration with electronic panels and overall execution of the	Request OIL to facilitate engagement with Altronic OEM. Is there any existing schedule of rates that could be leveraged by the bidder.	Modbus addresses can be taken from Altronic Inc. OIL will give the contact details of the concerned	NA

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			project, whenever required. OIL will provide support to connect with the relevant OEM team		personnel. Vendor to incorporate the same in their system so that the operating parameters can be visualized in the Dashboard. There are no existing schedule of rates.	
<b>50</b>	SCOPE OF WORK	Page no. 94 2.1 Functional Requirement/ C.7	Solution should be able to capture and prevent unplanned shutdowns by raising alarms at the right time. Exacta 21 uses the industry standard Class A, B, C, and D designations, with individual timers on all Class B's (programmable default setting). An unlimited number of shutdowns and alarms can be added on any channel, including the normal high and low shutdowns and alarms, plus: Differentials Calculated shutdowns Time delayed shutdowns Out of	Protection shutdown is deemed to be executed at site by condition monitoring system automatically and control panel. The analytics platform won't be responsible for such functionality, any action resulting of outcomes delivered by the analytics platform are deemed to be executed via CMMS ( Maximo) please confirm.	Protection shutdown is not required. Only alarm and notification regarding potential unplanned shutdowns due to abnormal or above certain specified parameters is required.	NA

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			range. The same need to be captured by the system and transmitted onto the portal with accurate insights			
<b>51</b>	SCOPE OF WORK	Page no. 94 2.1 Functional Requirement/ C.13	Minimum List of sensors / instruments to be installed on gas engines	Request OIL to confirm if the bidder needs to install additional sensors will that be treated as a variation order	Bidder needs to abide by the requirements in the tender documents. Any further variation from the requirements mentioned in the tender would be agreed by a mutual agreement.	NA
<b>52</b>	SCOPE OF WORK	Page no. 94 2.1 Functional Requirement/ C.17	All electronic/electrical instruments and equipment supplied by the bidder in hazardous area should fulfil the following:	OIL to provide area classification for area to define proper panel design of condition monitoring equipment. It is mentioned in usability section that it should be IP55. Please confirm.	The requirement of panel is not understood. Bidder to comply to with ratings in line with tender.	NA
<b>53</b>	SCOPE OF WORK	Page no. 101 2.2 Technical Requirement/ D.53	Bidder to ensure data refresh rate on the web portal from controllers and gateway is near real-time, so that insights, alerts, and notifications can be derived quickly. In case of	Can OIL expand definition of near real time? Does this refer to 15 mins, 30 mins, hourly?	Definition of near real time is to be decided during the solution design phase.	NA

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			network down, once the network is restored all the data should be backfilled.			
<b>54</b>	SCOPE OF WORK	Page no. 101 2.2 Technical Requirement/ D.57	Upload / Download provision of data/image in excel, pdf, png, jpg etc.	Please specify what type of data will be acquired through ingestion of PDF, PNG, jpeg? ( i.e.. Maintenance reports, work orders, equipment drawings?) Will this be for storage only or is the system required to acquire the data in the files. This could impact scope and definition.	Upload of Maintenance Manuals in PDF format and Maintenance Reports in PDF and Excel Format. This will be for storage only.	NA
<b>55</b>	SCOPE OF WORK	Page no. 103 2.3 Solution Reference Architecture		Solution seems to indicate that vibration sensors are wireless. OIL to confirm that wired vibration sensors are acceptable.	Bidder's understanding is correct, wired vibration sensors are acceptable	NA
<b>56</b>	SCOPE OF WORK	Page no. 106 6.0 Contract Execution/ Maintainability requirement point # 12	Necessary VAPT to be conducted at regular intervals (12 months) mandatorily and whenever specially requested by OIL through CERT-In empaneled auditors. The observations must be noted, and vulnerabilities mitigated within	OIL to confirm that it will bear cost of auditors fees or if the audit is in the scope of the bidder	Auditors fees is included in the services by the bidder and has to be borne by bidder.	NA

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			reasonable time as decided in consultation with the OIL IT team.			
<b>57</b>	SCOPE OF WORK	Page no. 106 6.0 Contract Execution/ Maintainability requirement point # 20	The ownership of the data generated upon usage of the system, at any point of time during the contract or expiry or termination of the contract, shall rest absolutely with OIL. The entire data needs to be handed over to OIL and must be downloaded or exported to OIL at the end of the contract or if the contract is ended during the contract phase or OIL decides to transition out from the existing vendor. Bidder will need to provide up to 60 days for OIL to download or export the data after the end of the contract or termination of services.	please specify data residence on-Cloud and frequency of transfer of generated databases to OIL	Data residency in Cloud will be three years or duration of the contract. Frequency of transfer after one year on yearly basis.	NA

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<b>Sl. No</b>	<b>Section</b>	<b>Clause No. &amp; Page No.</b>	<b>ORIGINAL CLAUSE / REQUIREMENT IN SOW</b>	<b>QUERY / REMARK</b>	<b>OIL's RESPONSE / REMARKS</b>	<b>Change to be proposed in Corrigendum</b>
<b>58</b>	SCOPE OF WORK	8.0 Project timelines		We request OIL to kindly consider the total project timelines to be 28 weeks to give us enough time for sourcing sensors. There is a global shortage of semiconductors impacting the availability.	Changes to reflect in Corrigendum	Modify

**&&&**