



CORRIGENDUM

ADDENDUM No.01 dated 02.11.2019

to

TENDER NO. SDG2568P20/09

This addendum is issued to:

- i) Amend some of the existing technical clauses; refer Srl No. 3 to 21 of **Annexure-AA**
- ii) Amend some of the existing BEC/BRC clauses; refer Srl No. 1 and 2 of **Annexure-AA**
- iii) Publish revised detailed price break up and price bid formats; refer **revised Section-IV**
- iv) Extend the Bid Closing/Opening dates as under:

Description	Existing Date & Time	Extended upto
Bid Closing Date & Time	13.11.2019 (at 11.00 Hrs. IST)	27.11.2019 (at 11.00 Hrs. IST)
Technical Bid Opening Date & Time	13.11.2019 (at 14.00 Hrs. IST)	27.11.2019 (at 14.00 Hrs. IST)

All other terms & conditions of the bid document remain unaltered.

sd/-
Amrit Loushon Bora
Manager Materials(FD)
For GM Materials
For Resident Chief Executive

Sl No	Page No. & Clause No of Original Tender Document	Original Clause	Amended to read as
1	Page No. 14 BRC clause A1 (1.1)	The bidder should be an Original Equipment Manufacturer (OEM) of the offered item(s).	1.1 The bidder should be an Original Equipment Manufacturer (OEM) of the offered item(s). [Note: OEM means who will manufacture the main seismic recording equipment including the hardware and applicable software (Line telemetry and cable less part)].
2	Page No. 16 BRC Clause No 7.0	Delivery: Time is of the essence and materials must be supplied within Six (6) months in the event of an order. Therefore, Bids submitted by Bidders quoting delivery schedule more than Six (6) months shall not be accepted. Overseas Bidders must quote shipment (FOB/CIF) within Six (6) months from the date of opening of Letter of Credit by OIL and indigenous Bidders must quote delivery/despatch within Six (6) months from the date of placement of order by OIL. In case of offers of composite nature having supply of both indigenous and foreign items, it will be the sole responsibility of the bidder to co-ordinate for effecting delivery/despatch of goods within Six(6) months from placement of order for the purpose of ensuring delivery of all the ordered items simultaneously at OIL Duliajan.	<p>Delivery: Time is of the essence and materials must be supplied within the following delivery schedule:</p> <p>a) 06 (six) Months FOB Port of dispatch, after establishment of letter of credit in case of placement of order on FOB Port of dispatch basis.</p> <p>b) 08 (eight) Months C&F/CIF Kolkata, after establishment of letter of credit in case of placement of order on C&F/CIF Kolkata basis.</p> <p>c) 06 (six) Months FOR Despatching Station basis, after placement of PO in case of placement of order on FOR Despatching Station basis.</p> <p>d) 08 (eight) Months FOR Duliajan basis, after placement of PO in case of placement of order on FOR Duliajan basis.</p> <p>Therefore, Bids submitted by Bidders quoting delivery schedule more than above schedule shall not be accepted. OIL reserves the right for placement of order on FOR Destination/despatching station basis for the indigenous items and FOB/C&F/CIF basis for the foreign items. Bidder(s) must provide the price breakup of the freight & insurance charges as provisioned in the price bid formats.</p>

			In case of offers of composite nature having supply of both indigenous and foreign items, it will be the sole responsibility of the bidder to co-ordinate for effecting simultaneous despatch/delivery of goods maintaining the aforesaid delivery schedule.
3	Page No. 28 Clause No 3.2.11	System test for part should include- - leakage, continuity, - impulse response, - sensor resistance, - battery voltage status, - noise and distortion, - cross feed isolation (If applicable) - GPS status (if applicable) - Hardware diagnostic tests etc.	System test for part should include- - continuity, - impulse response, - sensor resistance, - battery voltage status, - noise and distortion, - cross feed isolation (If applicable) - GPS status (if applicable) - Hardware diagnostic tests etc.
4	Page No. 28 Clause No 3.2.13	DVD Writer - DVD R/W or DVD R drive should be interfaced with the system to load application software as and when required.	DVD Writer - DVD RW / USB (min 2 sets) should be interfaced with the system to load application software as and when required
5	Page No. 28 Clause No 3.2.18	The central controlling / recording unit should be able to withstand operating temperature from -20°C to 60°C and 5 to 90% relative humidity (non-condensing)	The central controlling / recording unit should be able to withstand operating temperature from 0°C to 45°C and 5 to 90% relative humidity (non-condensing)
6	Page No. 28 Clause No 3.2.19	Online QC 1. An Online QC system with requisite hardware and software should be provided for carrying out real-time quality control of the seismic data acquired in the cable part of the field.	Online QC 1. An Online QC system with requisite hardware and software should be provided for carrying out real-time quality control of the seismic data acquired in the cable part of the field. QC monitor should be minimum 24 inch.

7	Page No. 30 Clause No 4.1.1	Harvesting and charging racks Option B Requirements: 1). Bidder shall provide suitable Workstation and accessories for Data Harvesting, Data Integration, data Transcription and data copying/writing on the tape media. 2). Bidder shall provide suitable air-conditioned cabin (specified in clause 4.4) for Battery charging frames/racks for 150 nos. of nodes and data harvesting/downloading racks/frames for 100 nos. of nodes as mentioned in item 4.2	Harvesting and charging racks Option B Requirements: 1). Bidder shall provide suitable Workstation and accessories for Data Harvesting, Data Integration, data Transcription and data copying/writing on the tape media. 2). Bidder shall provide suitable air-conditioned cabin (specified in clause 4.4) for Battery charging frames /racks for 150 ± 5% nos. of nodes and data harvesting/downloading racks/frames for 100 nos. of nodes as mentioned in item 4.2
8	Page No. 31 Clause No 4.3.n	n) Quantity of battery chargers : 150 nos. of batteries at a time	n) Quantity of battery chargers : 150 ± 5% nos. of batteries at a time
9	Page No. 34 Clause No 5.4	Option (B) i) Internal Storage Devices with RAID 5 or higher configuration having a data storage capacity of a minimum of 4 TB or more should be offered. These should be hooked up with the CRU for seismic data recording: 2 Nos.	Option (B) i) One (1) no. of Internal Storage Devices with RAID 5 or higher configuration having a data storage capacity of a minimum of 4 TB with CRU and one (1) no. of External Storage Devices with RAID 5 or higher configuration having a data storage capacity of a minimum of 4 TB should be offered.
10	Page No. 35 Clause No 5.6	GPS based Radio blasting system - The radio blasting system should be interfaced with the system. It will include following parameters: <ul style="list-style-type: none"> ▪ Firing accuracy- better than 20 µs ▪ Decoder Operating – at 12 Volt standard battery ▪ Firing voltage 400 V 	GPS based Radio blasting system - The radio blasting system should be interfaced with the system. It will include following parameters: <ul style="list-style-type: none"> ▪ Firing accuracy- better than 25 µs ▪ Decoder Operating – at 12 Volt standard battery ▪ Firing voltage 400 V ▪ Sample rate 0.5 millisecond

		<ul style="list-style-type: none"> ▪ Sample rate 0.5 millisecond ▪ Firing current > 200A (0.5 Ohm load) ▪ Charging Time < 1 second ▪ CAP and Geophone test ▪ Operating temp. -40° to +60°C 	<ul style="list-style-type: none"> ▪ Firing current > 200A (0.5 Ohm load) ▪ Charging Time < 2 seconds ▪ CAP and Geophone test ▪ Operating temp. -40° to +60°C
11	Page No. 35 Clause No 5.7	The GPS based radio blasting systems should provide positional accuracy under 2 meters and the operational range will be for 10-15 Km. The GPS based radio blasting system should have the facility for co-ordinate transformation from WGS-84 to local projection system i.e. LCC (Lambert Conformal Conic) as per Survey of India map and offer the facility for uploading location (position) information in industry standard format.	The GPS based radio blasting system should provide positional accuracy under 2 meters and the operational range will be for 10-15 km. The Central Recording Unit(CRU) along with the GPS based radio blasting system should have the facility for co-ordinate transformation from WGS-84 to Local Projection system i.e. LCC (Lambard Conformal Conic) as per the survey of India map and offer the facility for uploading location (Position) information in industrial standard format.
12	Page No. 36 Clause No 6.2	HF Sets (Motorola/ Kenwood or equivalent) with antenna: 02 nos.	VHF Sets (Motorola/ Kenwood or equivalent) with antenna: 02 nos
13	Page No. 37 Clause No 8.0	Generator (4 Nos.) - Suitable 4 stroke 3 Phase AC silent power generator (diesel) 20/230 VAC, 50HZ + 1HZ based power system to operate all the equipment & peripherals, Air Conditioners and all the other cabin accessories. One of the genset should be mounted on a suitable vehicle (preferably Indian make) for carrying the genset with safety. The generator preferably Indian make. The generator set should be environmentally compliant. The detailed specifications are enclosed as in Section IF.	Generator (4 Nos.) - Suitable 2 Cylinder 4 stroke 3 Phase AC silent power generator (diesel) 20/230 VAC, 50HZ + 1HZ based power system to operate all the equipment & peripherals, Air Conditioners and all the other cabin accessories. One of the genset should be mounted on a suitable vehicle (preferably Indian make) for carrying the genset with safety. The generator preferably Indian make. The generator set should be environmentally compliant. The detailed specifications are enclosed as in Section IF.

14	Page No. 40 Clause No 11.1	11.1 DATA ACQUISITION STATION UNIT / LINKS (Line Telemetry Mode)- Minimum nos. required to layout a total of 5000 nos of channels for seismic data acquisition. <ul style="list-style-type: none"> No. of channels per Data Acquisition Station Unit or Link* : 4 channels / 4 Take-outs Frequency response: 3 Hz (or less) to 0.75 Fn (or more) at 2ms SI. Sample Interval: 0.5, 1, 2 and 4 milliseconds. Preamplifier Gain Constant: at least three (03) out of 0/12/24/30/36 dB remote Selectable with 12 dB as essential. Equivalent Input Noise : 0.70 μVRMS (or less) at 12 dB preamp gain Anti Alias Filter : 0.75 Fn or more at 2ms sample rate. Dynamic Range : Not less than 120dB at 12 dB preamp gain, Total Dynamic Range 135 dB or more at 2ms Input Impedance : 20 K ohm or more in differential mode. A/D converter : 24 bit with delta-sigma technology. Harmonic Distortion : 0.0004 % or better. Cross feed isolation, if any : greater than 120 dB. Operating Environment : Operating temperature between -40°C to+ 70°C Humidity Range : 0 to 90% 	11.1 DATA ACQUISITION STATION UNIT / LINKS (Line Telemetry Mode) Minimum nos. required to layout a total of 5000 nos of channels for seismic data acquisition. <ul style="list-style-type: none"> No. of channels per Data Acquisition Station Unit or Link* : 4 channels / 4 Take-outs Frequency response: 3 Hz (or less) to 0.75 Fn (or more) at 2ms SI. Sample Interval: 0.5, 1, 2 and 4 milliseconds. Preamplifier Gain Constant : at least two(02) out of 0/12/24/30/36 dB remote Selectable with 12 dB as essential. Equivalent Input Noise : 0.70 μVRMS (or less) at 12 dB preamp gain Anti Alias Filter: 0.75 Fn or more at 2ms sample rate. Dynamic Range : Not less than 120dB at 12 dB preamp gain, Total Dynamic Range 135 dB or more at 2ms Input Impedance: 20 K ohm or more in differential mode. A/D converter: 24 bit with delta-sigma technology. Harmonic Distortion: 0.0004 % or better. Cross feed isolation, if any: greater than 120 dB. Operating Environment : Operating temperature between -40°C to+ 70°C Humidity Range : 0 to 90%
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15	Page No. 41 Clause No 11.3.2	LINE TELEMETRY CABLES Suitable reversible cables, 160 meters long, as per specification of station units with compatible takeout to connect the sensors, at 40 meter interval with first and last takeout at 20 meter from each end. Both ends of the cable should have suitable robust water-proof connectors for connecting to station units. These should be provided with tag nos. and serial nos. as per suitability. The cables should be rugged and water proof in nature. Each takeout & connector should be provided with dust cap. When Links are offered (clause 11.1), the configuration of the offered Link should be such that the distance between each Field Units should be 40m with first and last field unit at 20 m from each end. The length of the link should be 160 meters as per the specification mentioned in clause no.11.1. Both ends of the Link should have suitable robust water-proof connectors for connecting two numbers of links to each other. The cables should be rugged and water proof in nature. These should also be provided with tag and serial nos. as per suitability. Each takeout & connector should be provided with dust cap.	LINE TELEMETRY CABLES Suitable reversible cables, 160 meters long, as per specification of station units with compatible takeout to connect the sensors, at 40 meter interval with first and last takeout at 20 meter from each end. Both ends of the cable should have suitable robust water-proof connectors for connecting to station units. These should be provided with tag nos. and serial nos. as per suitability. The cables should be rugged and water proof in nature. Each takeout & connector should be provided with dust cap. When Links are offered (clause 11.1), the configuration of the offered Link should be such that the distance between each Field Units should be 40m with first and last field unit at 20 m from each end. The length of the link should be 160 meters as per the specification mentioned in clause no.11.1. Both ends of the Link should have suitable robust water-proof connectors for connecting two numbers of links to each other. The cables should be rugged and water proof in nature. These should be provided with tag and serial nos. or RFID chip on the field data acquisition station unit (as applicable). Each takeout & connector should be provided with dust cap.
16	Page No. 42 Clause No 13.1	GEOPHONE STRINGS (Analog) - Geophone Casing : Marsh type, with suitable Oil seals, rings, cable entry seals for making it water proof.	GEOPHONE STRINGS (Analog) - Geophone Casing : Marsh type, with suitable Oil seals, rings, cable entry seals for making it water proof. Drop cable of both side: 1mtr. Spike: Steel Spike length: 75mm

17	Page No. 43 Clause No 14.0	LVL & Up-hole Recorder - Two (02) nos. Should be a new generation compact portable 24-channel seismograph system for shallow refraction and reflection studies including weathering analysis of M/s Geometrics make or equivalent/Better with following specifications or higher: - Weatherproof instrument with High Resolution sun visible screen, Light weight, low power and portable.	LVL & Up-hole Recorder - Two (02) nos. Should be a new generation compact portable 24-channel seismograph system for shallow refraction and reflection studies including weathering analysis of M/s Geometrics make or equivalent/Better with following specifications or higher: - Weatherproof instrument with High Resolution sun visible screen, Light weight, low power and portable. Industrial Laptop (weatherproof) can be provided instead of inbuilt screen.
18	Page No. 44 Clause No 15.1	A one (01) no complete PC/workstation based Test and Maintenance equipment specific to the offered ground electronics (clause 11.0) should be provided for testing, calibration and troubleshooting of field ground electronics including cable-less equipment(Nodes), complete workshop facilities (toolkits, oscilloscopes, soldering etc.) The Test & Maintenance Equipment should be able to test, calibrate and diagnose the ground electronics without the help of Central Controlling /Recording Unit (CRU).	A one (01) no complete PC/workstation based Test and Maintenance equipment specific to the offered ground electronics (clause 11.0) should be provided for testing, calibration and troubleshooting of field ground electronics including cable-less equipment(Nodes), complete workshop facilities (toolkits, oscilloscopes, soldering etc.) The Test & Maintenance Equipment should be able to test, calibrate and diagnose the ground electronics without the help of Central Controlling /Recording Unit (CRU). If PC based Test and maintenance system for cable less part (nodes) is not available, then the bidder has to provide one (1) dedicated portable system for testing of cable less equipment(nodes).
19	Page No. 58 Clause No 17.9	Delivery: OIL may opt for placement of order on FOR Destination basis for the indigenous items. In such case, the fully built brand new Truck Mounted Seismic Exploratory Mobile Recorder Van and the Truck with Dual Crew Cab mounted with the Generating Set along with all automobile tools, fittings & accessories, documents etc. are to be delivered in Oil India Limited's premises at Duliajan, Assam-786602 (India) without any defect by the supplier at their risk and cost. Anyway, bidder must provide the price breakup of the freight & insurance charges as provisioned in	Delivery: OIL reserves the right for placement of order on FOR Destination/despaching station basis for the indigenous items and FOB/C&F/CIF basis for the foreign items. Bidder(s) must provide the price breakup of the freight & insurance charges as provisioned in the price bid formats. In case of placement of order on FOR Destination basis, the fully built brand new Truck Mounted Seismic Exploratory Mobile Recorder Van and the Truck with Dual Crew Cab mounted with the Generating Set along with all automobile tools, fittings & accessories, documents etc. are to be delivered in Oil India Limited's premises at Duliajan, Assam-786602 (India) without any defect by the supplier at their risk and cost. In case the recorder cabin is imported, then the

	<p>the price bid format.</p> <p>In case the recorder cabin is imported, then the bidder shall mount the recording cabin on the truck at Duliajan, Assam-786602(India).</p> <p>OIL reserves the right to inspect, test and if necessary, reject any part/parts after arrival of the vehicles at Duliajan, Assam-786602 (India), if the said rejection is attributed to be the responsibility of the supplier. It shall, in no way be limited or waived by the reason that the units have been inspected, tested and passed by OIL prior to dispatch.</p> <p>Time is of the essence and materials must be supplied within Six (6) months in the event of an order. Therefore, Bids submitted by Bidders quoting delivery schedule more than Six (6) months shall not be accepted. Overseas Bidders must quote shipment (FOB/CIF) within Six (6) months from the date of opening of Letter of Credit by OIL and indigenous Bidders must quote delivery/despatch within Six (6) months from the date of placement of order by OIL. In case of offers of composite nature having supply of both indigenous and foreign items, it will be the sole responsibility of the bidder to co-ordinate for effecting delivery/despatch of goods within Six(6) months from placement of order for the purpose of ensuring delivery of all the ordered items simultaneously at OIL Duliajan.</p>	<p>bidder shall mount the recording cabin on the truck at Duliajan, Assam-786602(India).</p> <p>OIL reserves the right to inspect, test and if necessary, reject any part/parts after arrival of the vehicles at Duliajan, Assam-786602 (India), if the said rejection is attributed to be the responsibility of the supplier. It shall, in no way be limited or waived by the reason that the units have been inspected, tested and passed by OIL prior to dispatch.</p>
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20	Page No. 63 Clause No 18.2	PRIME MOVER (DIESEL ENGINE): The prime mover should be a four Cylinder, four Stroke cycle naturally aspirated Air- Cooled, vertical, in-line Diesel Engine, developing minimum 21.5 H.P. for continuous running (24 Hrs.) with an overload capacity of 10% for a period not exceeding One Hour in any 12 hours running when running at 1500 R.P.M. as per site conditions given below and shall conform to specifications IS: 10000/BS: 5514. The Governing is to be in accordance with Class A-2 specifications to IS: 10000/BS: 5514.	PRIME MOVER (DIESEL ENGINE): The prime mover should be a two Cylinder, four Stroke cycle naturally aspirated Air- Cooled, vertical, in-line Diesel Engine, developing minimum 21.5 H.P. for continuous running (24 Hrs.) with an overload capacity of 10% for a period not exceeding One Hour in any 12 hours running when running at 1500 R.P.M. as per site conditions given below and shall conform to specifications IS: 10000/BS: 5514. The Governing is to be in accordance with Class A-2 specifications to IS: 10000/BS: 5514.
21	Page No. 78 Clause No 28.14	In case the contractor fails to repair any equipment supplied by them during the AMC period, within 120 hours from the time of reporting the breakdown, a penalty of 0.5% of AMC charges for each day of delay will be levied subject to a maximum amount of 7.5 % of AMC charges with in a calendar year. If for any reason, the bidder fails to repair the equipment within eleven successive days from the date of reporting, the period of AMC will be extended by the said period at no extra cost in addition to the above penalty. If the supplier fails to pay the penalty, the same shall be recovered from Bank Guarantee deposited for AMC.	Repair of equipment is to be within 120 hrs. and 168 hrs. from time of reporting the breakdown during the field season (From November to June) and off-season respectively. In case, the contractor fails to repair any equipment supplied by them during the AMC period within above stipulated hours from the time of reporting the breakdown, a penalty of 0.5% of AMC charges for each day of delay will be levied subject to a maximum amount of 7.5 % of AMC charges with in a calendar year. If for any reason, the bidder fails to repair the equipment within eleven successive days from the date of reporting, the period of AMC will be extended by the said period at no extra cost in addition to the above penalty. If the supplier fails to pay the penalty, the same shall be recovered from Bank Guarantee deposited for AMC.
22	Page No. 88 to 97 Clause No Part AA	SECTION - IV	Revised Section-IV to be referred (Pages 11 to 18 of this document)

SECTION-IV (REVISED)

PART-AA: DETAILED PRICE BREAK UP

PRICE SCHEDULE - 1:

Sl. No	NIT Item no.	ITEM DESCRIPTION		Qty required	Qty quoted	Unit cost	Total cost	Remarks (to indicate Indian/ Foreign origin)
A	CENTRAL CONTROLLING/RECORDING UNIT (CRU)							
	3.0	Central Controlling/Recording Unit (CRU) with all required hardware and accessories as mentioned under item no. 3.0		Two (02)				
	4.1	Data Harvesting, Data Integration, Transcription, data copying and battery charging facility (hardware & software).	Option-A (Stipulated under item no. 4.1.1 as 'Option A')	One(01) unit				Cost break-up of Individual items cost should be quoted in separate Annexure.
		Option-B (Stipulated under item no. 4.1.1 as 'Option B')						
	4.3	Ground electronics for Cable-less Units(Nodes) including Li-Ion Battery (Battery may be internal or external)		1000 Nos				
	4.3(q)	Field QC tools		10 Nos				
	4.4	Cabin for entire data harvesting /data copying facility etc. (Cabin price needs not be included under item 4.1)		01 No (unit)				
B	PERIPHERALS							
	5.1	Uninterrupted Power Supply (UPS)		Two (02)				
	5.2	Thermal Plotter		One (01)				
	5.3(a)	LTO-07 Tape Drive		Two (02)				
	5.3(b)	Higher than LTO-07 Tape Drive		Two (02)				
	5.4	External / Internal Storage Devices as mentioned under item no. 5.4	Option: A	Two (2) + One (1)				
			Option: B	Two (2) + Two (2)				

	5.5	Interface ,Hardware for Copying Acquired Data to Tapes	As required				
	5.15	GPS Based Radio Blasting System					
		(I) Encoders	Two (02)				
		(II) Decoders	Seven (07)				
	5.16	Two way Professional Radios	Ten (10)				
	5.17	DC Power Supply	Two (02)				
C	COMMUNICATION						
	6.1	Walky talkies	Fifty(50)				
	6.2	HF sets	Two (02)				
	7.0	Battery Chargers	As described in item 7.0				
D	DESKTOP COMPUTERS						
	9.1	Desktop Computer for use at base camp.	Two (02)				
	10.1	Laptop	Two (02)				
E	GROUND ELECTRONICS						
	11.1	Data Acquisition Station Units/Links (Wireline Mode)	For a total of 5000 numbers of channels				
		Power Supply Units (as the per the system design)	Adequate nos. to power 5000 channels				
		Batteries to power up 5000 channels (as per system design)	Adequate nos. + 20% spares				
	11.2	Cross Line Station Units	Forty (40) nos.				

PRICE SCHEDULE - 2:

Sl. No.	NIT Item no.	ITEM DESCRIPTION	Qty required	Qty quoted	Unit cost	Total cost	Remarks (to indicate Indian/ Foreign origin)
F	CABLES						
	11.3	Line Telemetry Cables	For 5000 numbers of seismic channels				
	11.4	Cables/Patch Cables	Adequate nos.				
	11.5	Transverse Cables (Fiber Optic cables)	Forty (40)				
	11.6	Detour Cables	Ten (10)				
	11.7	Peripheral Wireline Equipment if required to use the cables in either case	Adequate Nos.				
G	12.0	Cable protectors	One Hundred (100)				
H	13.0	Geophone Strings	Five Thousand (5000)				
	13.2	Geophone Elements	One thousand (1000)				
I	14.0	LVL/Uphole Recorder with accessories	Two(02)				
J	TEST & MEASURING EQUIPMENTS						
	15.1	PC Based Test & Maintenance Equipment	One (01)				
	15.2	Line Tester	Four (04)				
	15.3	Geophone tester	Two (02)				
	15.4	Cable Tester (I) For Fiber Optical Cable	One (01)				
		(II) For Normal telemetry (wire) cable	One (01)				
K	RECORDER CABIN, TRUCKS & GENERATOR						
	16.3	Truck for Recorder cabin	One (01)				
	16.4	Recorder Cabin	One (01)				
	17.0	Supply of Truck with Dual Crew Cab & load body mounted with 15KVA Generating Set	One (01)				
	18.0	15KVA Generator	Three (03)				

PRICE SCHEDULE - 3:

Sl. No.	NIT Item no.	ITEM DESCRIPTION	Qty required	Qty quoted	Unit cost	Total cost	Remarks (to indicate Indian/ Foreign origin)
L	MANUALS						
	25.5	Manuals, Hard Copy	Two sets (2)				
		Manuals, CD/DVD/USB Media	Two sets (2)				
M	CONSUMABLES						
	19.1	a) Thermal Roll Paper (For item 19.1)	One hundred fifty (150) Rolls				
		b)Cleaning Cartridges (For item 19.1)	Ten(10) nos.				
		c)Thermal Paper Roll for LVL plotter (For item 19.1)	One Hundred (100) Rolls				
		d)Brand new Empty LTO -7 Tapes	30 nos				
N	SPARES & REAPIR KIT						
	20.1	Spare Kit for CRU & Peripherals	One (1) complete set				
	20.1 .4	Fiber Optical Maintenance & Tool Kit	For 20 nos. of splices				
	20.1 .5	Repair & Maintenance Kit for Normal Wire line cable	For 300 cuts/splices				
	20.1 .6	Complete Tool Kit for Field Units	One (1) set				
	20.1 .7	Complete Kit of Connectors	One (1) set				

PRICE SCHEDULE - 4:

Sl. No.	NIT item no	Item Description	Qty required	Qty quoted	Unit cost	Total cost	Remarks (to indicate Indian/ Foreign origin)
O	3.2 & 4.0	Software for CRU , Software for Data harvesting, Integration, & Transcription.	One (1) set				Price Break-up for individual software should be provided as separate Annexure.
	3.2.19	Online Quality Control Software	One (1)				
	3.2.20	Necessary software for quality control of vibroseis data as per the system design	One (1)				
	5.5	Software for Copying Data from External Devices to LTO tape drive compatible media	One (1)				
	9.1	OS for PCs	Two (2)				
		All additional softwares required for the PC mentioned in item no. 9.1	One (1) set				
	10.1	OS for Laptops	Two (02)				
	14.0	Software for LVL & Uphole Recorder	Two (02) Sets				
	14.1	Comprehensive Refraction Analysis & Modeling Software	Two (02) Sets				
	15.1	Software for PC based Test & Maintenance equipment	One (1)				

PRICE SCHEDULE - 5:

All Software components provided on separate media other than mentioned in Annexure 1C from serial no. A to O should be quoted in the space& format provided below with complete details.

Sl. No.	NIT item no	Item Description	Qty required	Qty quoted	Unit cost	Total cost	Remarks (to indicate Indian/ Foreign origin)
P	15.2	Software for Line Tester	04				
	15.3	Software for Geophone Tester	02				
	15.4	Software for Cable Tester	02(1+1)				

PRICE SCHEDULE - 6:

Sl. No.	NIT Item no.	ITEM DESCRIPTION	Qty required	Qty quoted	Unit cost	Total cost	Remarks (to indicate Indian/ Foreign origin)
Q	23.1	Pre-dispatch/shipment inspection	Lumpsum				
R	25.0	Installation & Commissioning	One (1)				
S	Training & AMC						
	26.0	Training on Operation, Hardware maintenance, online QC tools, other applications etc.	LOT				
T	28.0	Comprehensive Annual Maintenance Contract of items as per Annexure-1A					
		Charges for 1st Year					
		Charges for 2nd Year					
		Charges for 3rd Year					
		Charges for 4th Year					

ITEM SCHEDULE – 7 (LIST OF HAZARDOUS ITEMS):

Sl. No.	ITEM DESCRIPTION	Quantity quoted	Remarks (to indicate Indian/ Foreign origin)

PART-BB of SECTION-IV: PRICE BID FORMAT

(i) Price Bid Format (SUMMARY) for Foreign Bidders/Items:

Name of Bidder:		Currency:
Sl. No	Particulars	Price quoted
A	Total Material Cost of items to be imported (Break up of prices of each individual items are to submitted separately, refer Part-AA of Section IV of Annexure-AA)	
B	Packing & FOB Charges	
C	Total FOB Port of Shipment Value, A+B	
D	Ocean Freight Charges upto Kolkata, India	
E	Insurance Charges @0.5% of C	
F	Banking Charges @1% of C in case of payment through LC/Sight Draft/any other mode of payment (if confirmed LC at buyer's account is required, 1.5% of E will be loaded)	
G	Total CIF Kolkata Value, C+D+E+F	
H	IGST @5% of G	
I	Total CIF+GST Kolkata Value, G+H	
J	Pre-despatch Inspection charges, if any	
K	Taxes on Pre-despatch Inspection charges (J), if any	
L	Charges towards training at manufacturer's premises to OIL Personnel, if any	
M	Taxes on Training (L), if any	
N	Installation & Commissioning charges, if any	
O	Taxes on Installation & Commissioning charges (N), if any	
P	Total Charges towards 4 years Comprehensive AMC	
Q	Taxes on AMC, if any	
R	Total Value, I+J+K+L+M+N+O+P+Q	
S	Total Value in words:	
T	Tentative Gross Weight	
U	Tentative Dimensions	
V	Name of Manufacturer	
W	Port of Despatch	
X	Country of Origin	

Note:

- i) Strike out whichever is not applicable.
- ii) Break up of prices of each individual items mentioning quantity and unit price of each item quoted must be provided separately.
- iii) Prices of items of foreign origin must be submitted as per the price bid format for Foreign bidders whereas prices of items of Indian origin (to be despatched from India) must be submitted as per the price bid format for Indigenous bidders. This is applicable when a bidder submits their offer including items of both Indian Origin and Foreign Origin. Lists showing all the indigenous & foreign items with individual price break up are to be submitted as per Part-AA of Section IV or separately.
- iv) Foreign bidders must indicate name, address & commission of their Indian agent, if applicable

(ii)Price Bid Format (SUMMARY) for Indigenous Bidders/Items:

Name of Bidder:		Currency:
Sl. No	Particulars	Price quoted
A	Total Material Cost of items (of Indian origin) (Break up of prices of each individual items are to submitted separately, refer Part-AA of Section IV of Annexure-AA)	
B	Packing & Forwarding Charges	
C	Total Ex-Works Value, A+B	
D	GST@5% of C against Essentiality Certificate (however, bidder should indicate applicable rate of GST as per the HSN code)	
E	FOR Despatching Station Value, C+D	
F	Freight charges upto Duliajan	
G	GST on Freight charges	
H	Insurance charges upto Duliajan	
I	GST on Insurance charges	
J	Total FOR Duliajan Value, E+F+G+H+I	
K	Pre-despatch Inspection charges, if any	
L	Taxes on Pre-despatch Inspection charges (J), if any	
M	Charges towards training at manufacturer's premises to OIL Personnel, if any	
N	Taxes on Training (L), if any	
O	Installation & Commissioning charges, if any	
P	Taxes on Installation & Commissioning charges (N), if any	
Q	Total Charges towards 4 years Comprehensive AMC	
R	Taxes on AMC, if any	
S	Total Value, J+K+L+M+N+O+P+Q+R	
T	Total Value in words:	
U	Import Content, if any	
V	Tentative Gross Weight	
W	Tentative Dimensions	
X	Name of Manufacturer	
Y	Place of Despatch	
Z	Country of Origin	

Note:

- i) Strike out whichever is not applicable.
- ii) Break up of prices of each individual items mentioning quantity and unit price of each item quoted must be provided separately.
- iii) Prices of items of foreign origin must be submitted as per the price bid format for Foreign bidders whereas prices of items of Indian origin (to be despatched from India) must be submitted as per the price bid format for Indigenous bidders. This is applicable when a bidder submits their offer including items of both Indian Origin and Foreign Origin. Lists showing all the indigenous & foreign items with individual price break up are to be submitted as per Part-AA of Section IV or separately.
- iv) Bidder must quote for freight and insurance charges upto OIL, Duliajan against all the items of Indian origin (to be despatched from India). Elsewise, same shall be construed as inclusive in material cost and it will be a binding on the bidder.