

OIL INDIA LIMITED

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

CORRIGENDUM

Addendum No.5 to IFB No. CDG9302P16

This Addendum No. 5 dated 28.01.2016 to IFB No. CDG9302P16 for Hiring the services of Three(3) Sets of Well Servicing Unit consisting of Coiled Tubing Unit (CTU), Nitrogen Pumping Unit (NPU), Fluid Pumping Unit (FPU) with heating facility and other related accessories for a period of 4(four) Years for Operations in Assam and Arunachal Pradesh is issued to extend the Bid Closing / Technical Bid Opening date as under:

- i) Bid Closing Date & Time : 16th February,2016 (11.00 Hrs, IST)
- ii) Technical Bid Opening Date & Time : 16th February, 2016, 2016 (14.00 Hrs, IST)

The changes in the bid documents are given as ***Annexure-A*** to this page. Bidders are requested to take note of the same while preparing and submitting their offer. All other terms and conditions of the bid document remain unchanged.

**Modified Clauses based on Pre-Bid Conference against
Tender No. CDG9302P16**

Clause No.	Existing Clauses	Proposed Clauses
BEC/BRC		
Clause 3.0 Pg No:26	MOBILISATION TIME: Time is the essence of this contract. The bidders must confirm their compliance in their “Technical” bid to complete the mobilization within 60 days from the date of issue of the Letter of award (LOA). Offers without confirmation of stipulated mobilization time or with mobilization time more than 60 days will be summarily rejected.	MOBILISATION TIME: Time is the essence of this contract. The bidders must confirm their compliance in their “Technical” bid to complete the mobilization within 90 days from the date of issue of the Letter of award (LOA). Offers without confirmation of stipulated mobilization time or with mobilization time more than 90 days will be summarily rejected.
Clause 1.0 Pg No:22	1.3. In case the bidder does not own the equipments at the time of submission of bid and offers leased units or proposed purchase of the Units (other than brand new), bidders shall submit the original Memorandum of Understanding/Agreement of lease/purchase of unit, concluded with the owner of the units, specially for this tender, with documentary proof of ownership of the units. The above MOU/Agreement must be valid for the period of contract and any extension thereof.	1.3. In case the bidder does not own the equipments at the time of submission of bid and offers leased units or proposed purchase of the Units (other than brand new), bidders shall submit the original Memorandum of Understanding/Agreement of lease/purchase of unit, concluded with the owner of the units, specially for this tender, with documentary proof of ownership of the units. The above MOU/Agreement must be valid for the period of contract and any extension thereof. The certificate from manufacturer should also clearly indicate the committed date of readiness of the equipment for shipment after due inspection. A confirmation from the bidder as well as from the supplier shall be submitted along with the technical bid clearly stating compliance to mobilization time as mentioned in clause no I, A, 3.0 of Part-2 BRC.
Clause 1.3 a. (NEW CLAUSE) To be incorporated	New Clause : For brand new equipment	1.3 a. In case of brand new equipment, the bidder shall submit a certificate in original from the manufacturer along with the un-priced Technical Bid. The certificate from manufacturer shall also clearly indicate the committed date of readiness of the equipment for shipment after due inspection. A confirmation from the bidder as well as from the manufacturer shall be submitted along with the technical bid clearly stating compliance to mobilization time as mentioned in clause no I, A, 3.0 of Part-2 BRC.

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Part 2 BRC/BEC Annexure- A (of Part-2) CHECKLIST FOR BRC/BEC Clause 7 Clause No. 2.2(b) of BRC:	<u>Clause No. 2.2(b) of BRC:</u> Bidders shall categorically note & confirm that the make, model and number of Well Servicing packages offered by them shall not be changed (increased / decreased) at a later date, under any circumstances. Bidder to provide a declaration / confirmation for the same signed by its authorized signatory. 2.2(b) Bidders shall categorically note & confirm that the number of Well Servicing packages offered by them shall not be changed (increased / decreased) at a later date, under any circumstances.	<u>Clause No. 2.2(b) of BRC:</u> Bidders shall categorically note & confirm that the number of Well Servicing packages offered by them shall not be changed (increased / decreased) at a later date, under any circumstances. Bidders shall categorically note & confirm that the number of Well Servicing packages offered by them shall not be changed (increased / decreased) at a later date, under any circumstances.
Part 2 BRC/BEC Annexure- A (of Part-2) CHECKLIST FOR BRC/BEC Clause No. 3.0 of BRC:	MOBILISATION TIME: The bidders must confirm their compliance in their “Technical” bid to complete the mobilization within 60 days from the date of issue of the Letter of award (LOA). Bidder to provide a declaration / confirmation for the same signed by its authorized signatory.	MOBILISATION TIME: The bidders must confirm their compliance in their “Technical” bid to complete the mobilization within 90 days from the date of issue of the Letter of award (LOA). Bidder to provide a declaration / confirmation for the same signed by its authorized signatory.
<u>Part-2</u> <u>Page No.31</u> Sl No.4 Operating Day Rate iv)Acid Mixing Tanks v) Acid Transfer Pump	Unit Rate= d(v) Unit Rate=d(vi)	Unit Rate= d(iv) Unit Rate=d(v)
Forwarding Letter: Clause No.2.0(xii)	Mobilisation Time for Commissioning: 60 days from Date of issue of LOA.	Mobilisation Time : As per Clause No. 2.2 of General Conditions of Contract
General Conditions of Contract		
Clause No. 2.2 of Part -3, Section-1 Pg No:38	MOBILISATION TIME: The mobilization of equipment, personnel etc. should be completed by Contractor within 60 days from the effective date of the contract. Mobilization shall be deemed to be completed when Contractor’s all equipment (as listed in Section-II) and manpower are placed at the nominated location in readiness to commence Work as envisaged under the Contract duly certified by the Company’s authorized representative.	MOBILISATION TIME: The mobilization of equipment, personnel etc. should be completed by Contractor within 90 days from the effective date of the contract. Mobilization shall be deemed to be completed when Contractor’s all equipment (as listed in Section-II) and manpower are placed at the nominated location in readiness to commence Work as envisaged under the Contract duly certified by the Company’s authorized representative.

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<p>Clause 17.1 of Part -3, Section-1 Pg No:48</p>	<p>17.1 LIQUIDATED DAMAGES FOR DEFAULT IN TIMELY MOBILISATION FOR EACH WELL SERVICING UNIT: In the event of the Contractor's default in timely mobilization including commissioning of well servicing unit, for commencement of operations within the stipulated period, the Contractor shall be liable to pay liquidated damages @ 1% of total contract value of each well servicing unit (including mobilization cost), per week or part thereof of delay subject to maximum of 15%. Liquidated Damages will be reckoned from the date after expiry of the scheduled mobilization including commissioning period till the date of commencement of Contract as defined in Clause No. 2.0 of Section - I.</p>	<p>17.1 LIQUIDATED DAMAGES FOR DEFAULT IN TIMELY MOBILISATION FOR EACH WELL SERVICING UNIT: In the event of the Contractor's default in timely mobilization of well servicing unit, for commencement of operations within the stipulated period, the Contractor shall be liable to pay liquidated damages @ 0.5% of per well servicing package (including mobilization cost), per week or part thereof of delay subject to maximum of 10%. For example, if a Contractor offered 3 Well Servicing Packages, and if he completes mobilization of only one well servicing package, then liquidated damage for the other two packages shall be paid by the Contractor. Mobilization will be completed after all equipment (including downhole tools) and manpower at base camp and wet test at base camp, to the satisfaction of OIL's team. Liquidated Damages will be reckoned from the date after expiry of the scheduled mobilization period till the date of commencement of Contract as defined in Clause No. 2.0 of Section - I.</p>
<p>Clause 16.3 Pg No:48</p>	<p>16.0 MISCELLANEOUS PROVISIONS:</p> <p>16.3 During the tenure of the Contract, Contractor shall keep the site where the services are being performed reasonably free from all unnecessary obstruction and shall store or dispose of any equipment and surplus materials and clear away and remove from the site any wreckage, rubbish or temporary works which are no longer required. On the completion of the services, Contractor shall clear away and remove from the site any surplus materials; rubbish or temporary works of every kind and leave the whole of the site clean and in workmanlike condition to the satisfaction of the Company.</p>	<p>16.3 During the tenure of the Contract, Contractor shall keep the site where the services are being performed reasonably free from all unnecessary obstruction and shall store or dispose of any equipment and surplus materials and clear away and remove from the site any wreckage, rubbish or temporary works emanating from Contractor's Equipment that is in Contractor's possession and control and which are no longer required. On the completion of the services, Contractor shall clear away and remove from the site any surplus materials; rubbish or temporary works of every kind (excluding fluids or other pollution howsoever caused emanating from the subsurface, including but not limited to pollution resulting from fire, blowout, crater, seepage or any other uncontrolled flow or oil, gas, water or other substance) emanating from Contractor's Equipment that is in Contractor's possession and control and leave the whole of the site clean and in</p>

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		workmanlike condition to the satisfaction of the Company.
Clause 24.4 of Part 3 – Section 1 of GCC at party at Page 52 of 118:	Invoices: Mobilization charges will be invoiced only upon completion of mobilization when the entire equipment, chemicals and personnel are ready at site for starting the job as certified by company representative. Payment of mobilization charges shall be made within 45 days following the date of receipt of undisputed invoices by Company.	Invoices: Mobilization charges will be invoiced only upon completion of mobilization. Mobilisation will be completed after all equipments (including downhole tools) and manpower at base camp and wet test at base camp, to the satisfaction of OIL's team. Payment of mobilization charges shall be made within 45 days following the date of receipt of undisputed invoices by Company.
Terms Of Reference		
Clause 2.1 Sub-section: c) Pg No:57	<p>c) De-waxing of well with CTU, FPU/ FPU with heating facility (HOCU)</p> <p>The job involves circulating of hot oil or other circulating fluid through coiled tubing and simultaneously running the coiled tubing down the well judiciously. Utmost care to be taken during the job so that at no stage the tubing stuck up in wax or other materials takes place in the hole.</p>	<p>c) De-waxing of well with CTU, FPU/ FPU with heating facility (HOCU)</p> <p>The job involves circulating of hot oil or other circulating fluid through coiled tubing and simultaneously running the coiled tubing down the well judiciously. Utmost care to be taken during the job so that at no stage the tubing stuck up in wax or other materials takes place in the hole.</p> <p>Heating and pumping requirement : LWC: Time 25 mins , >75 deg C, Max GPM: 130 Water: Time: 15 mins, > 75 deg C, Max GPM: 130</p> <p>Only LWC and chemicals will be provided by OIL. MSDS will be provided to the Contractor. As FPU(without heating facility) Max GPM: 337</p>
Clause 2.1 Sub-section: e) Pg No:57	<p>e) Acidization job using CTU, FPU & NPU</p> <p>The job involves acidization of selected formations by pumping suitable acid, flow back, subsequent cleaning up of residuals and enlivening of the well by CTU, NPU & FPU. The design of individual job including selection of chemicals and acids will be decided by the company. Acid and other Chemicals required for the job will be supplied by OIL. Prior to taking up the acid job, the company will furnish the available information to the Contractor regarding recipe of the acid & chemicals to be used. Moreover, the chemical</p>	<p>e) Acidization job using CTU, FPU & NPU</p> <p>The job involves acidization of selected formations by pumping suitable acid, flow back, subsequent cleaning up of residuals and enlivening of the well by CTU, NPU & FPU. The design of individual job including selection of chemicals and acids will be decided by the company. Acid and other Chemicals required for the job will be supplied by OIL. Prior to taking up the acid job, the company will furnish the available information (such as MSDS) to the Contractor regarding recipe of the acid &</p>

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	properties and brand name and supplier's information will also be provided. If desired by the Contractor, a sample of the subject chemicals will also be given to the Contractor for their laboratory testing.	chemicals to be used. Moreover, the chemical properties and brand name and supplier's information will also be provided. The sample mixture of the acids / chemicals will be jointly tested at OIL's lab, prior to the first acid job. If desired by the Contractor, a sample of the subject chemicals will also be given to the Contractor for their laboratory testing.
Clause 8.0 Sub-section A) 2. Pg No:60	a. 1½" OD Tubing Reel assembly: The unit shall have the provision for adapting 1 ½" OD coiled tubing of minimum length of 4,800 meters. The CTU shall be equipped with an attachment to adapt 1.½" OD CT. As such, the Contractor shall keep the following equipment ready in hand: 1. 1 ½" CT Reel X 4,800 m (of QT 800 or equivalent) = 1 no. 2. Additional Tube Reel assembly for 1 ½" CT = 1 no. Note: The Contractor shall arrange necessary services (like crane, truck) to carry separately to carry out rig up and install/replace damaged 1 ½" Tube Reel Assembly at the well site, whenever needed. The contractor shall keep at any point of time one additional 1.½" CT Reel X 4,800 m (of QT 800 or equivalent) as back up.	a. 1½" OD Tubing Reel assembly: The unit shall have the provision for adapting 1 ½" OD (Wall thickness 0.109") coiled tubing of minimum length of 4,800 meters. The CTU shall be equipped with an attachment to adapt 1.½" OD CT. As such, the Contractor shall keep the following equipment ready in hand: 1. 1 ½" CT Reel X 4,800 m (of QT 800 or equivalent) = 1 no. 2. Additional Tube Reel assembly for 1 ½" CT = 1 no. Note: The Contractor shall arrange necessary services (like crane, truck) to carry separately to carry out rig up and install/replace damaged 1 ½" Tube Reel Assembly at the well site, whenever needed. The contractor shall keep at any point of time one additional 1.½" CT Reel X 4,800 m (of QT 800 or equivalent) as back up.
Part 3, Section II, Clause 3.0, S.No. 3, Page no.59	3.2 (j) Source of water: Through shallow bore wells. In rare cases, where water cannot be drawn from bore wells, water is to be drawn from nearby rivers, pond or water body etc. nearer to the well site.	3.2 (j) Source of water: Only the water source will be shown by the Company. The transportation shall have to be arranged by the contractor.
Part 3 Section II Technical Specifications Cl 2.0	The major equipment offered i.e. Coiled Tubing Unit, Nitrogen Pumping Unit and Fluid Pumping Unit with heating facility shall not be more than 5 (five) years old (i.e. manufactured not before the year 2010).	The major equipment offered i.e. Coiled Tubing Unit, Nitrogen Pumping Unit and Fluid Pumping Unit with heating facility shall not be older than manufactured before 01.01.2010.

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Clause 2.0 of Part 3, Section II,	<p>2.0 DEFINITION OF WORK: The Contractor is to provide Equipment as per the list given below with associated equipment / tools & services on hiring for a period of 4(four) years. The Contractor shall render services for carrying out necessary well Serving operations in vertical wells, high angle deviated wells (S-bend, J-bend, extended reach, horizontal). Well depths where necessary operations are to be carried out are in the depth range of 0 – 5,000 meters. Depths of the wells, where operations are to be carried out, may somewhat increase or decrease. Maximum working pressure will be of 10,000 psi. The major equipment offered i.e. Coiled Tubing Unit, Nitrogen Pumping Unit and Fluid Pumping Unit with heating facility shall not be more than 5 (five) years old (i.e. manufactured not before the year 2010).</p>	<p>2.0 DEFINITION OF WORK: The Contractor is to provide Equipment as per the list given below with associated equipment / tools & services on hiring for a period of 4(four) years. The Contractor shall render services for carrying out necessary well Serving operations in vertical wells, high angle deviated wells (S-bend, J-bend, extended reach, horizontal). Well depths where necessary operations are to be carried out are in the depth range of 0 – 4,500 meters. Depths of the wells, where operations are to be carried out, may somewhat increase or decrease. Maximum working pressure will be of 10,000 psi. The major equipment offered i.e. Coiled Tubing Unit, Nitrogen Pumping Unit and Fluid Pumping Unit with heating facility shall not be manufactured before 01.01.2010.</p>
Part 3 Section II Technical Specifications Cl 8 A 10	<p>The package shall be inclusive of high pressure 10K/15K rated surface piping along with suitable x-overs for adaptability to X-mass tree, flow-back tank, choke manifold and pressure control devices etc.</p>	<p>The package shall be inclusive of high pressure 10K/15K rated surface piping along with suitable x-overs for adaptability to X-mass tree, flow-back tank, choke manifold and pressure control devices etc.</p> <p>The OIL's X-mas tree connections are : 2.1/16",RX24/ BX152- API 6A 2.9/16",RX27/ BX153- API 6A 3.1/8" x 2.9/16" – API 6A (5M) 4.1/8" x 3.1/8" – API 6A (5M) FIG 602 FIG1002 FIG 1502</p>
Part 3 Section II Technical Specifications Cl 8 C	<p>Oil Field Truck/Skid/Trailer Mounted Multi-purpose Pumping Unit with maximum discharge rate 337 GPM (1275 LPM) at 2745 psi (193 kg/cm²) pressure and Minimum discharge = 75 GPM (284 LPM) at 10000 psi (703 kg/cm²) and Maximum working temperature of 100 deg C. The unit shall be complete with Blender & Filtration unit with a fluid capacity tank and necessary piping, fittings & tools. The pump shall be suitable to handle fluid viz. Crude oil, HSD, water, saline water, mineral oils, high viscous fluids, mud, acid etc.</p> <p>The unit shall be capable of heating the fluid to be pumped to a temperature of</p>	<p>Oil Field Truck/Skid/Trailer Mounted Multi-purpose Pumping Unit with maximum discharge rate 337 GPM (1275 LPM) at 2745 psi (193 kg/cm²) pressure and Minimum discharge = 75 GPM (284 LPM) at 10000 psi (703 kg/cm²) and Maximum working temperature of 100 deg C. The unit shall be complete with Blender & Filtration unit with a fluid capacity tank and necessary piping, fittings & tools. The pump shall be suitable to handle fluid viz. Crude oil, HSD, water, saline water, mineral oils, high viscous fluids, mud, acid etc.</p> <p>The unit shall be capable of heating the fluid to be pumped to a temperature of</p>

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	<p>100 deg C max. The heating system shall be designed to raise the inlet temperature of the working fluid (Crude oil/Plain water/Saline water etc.) from a minimum of 5 deg C to 100 degC with the designed pumping rate.</p> <p>The heating system shall be direct fired one pass continuous forced circulation oil type heater. Burner rated capacity approximately 8.5 million BTU / hr input at maximum output of 6.5 million BTU / hr (actual heating capacity shall be designed by the supplier keeping Fuel Efficiency and Environmental friendly use in mind). The design data sheet shall be supplied along with the quotation. Hydraulic driven blower system for atomization & combustion shall be provided. The burner system shall have provision for manual remote ignition in addition to automatic ignition system. However, the auto cut-off provision should not interfere with the manual remote ignition system.</p> <p>The contractor shall arrange for supply of water to the pumping unit using water tankers (using 2 nos of 20KL capacity water bowser) to carry out relevant well servicing job, at well site. However, <u>LWC for de-waxing operation and Chemicals for sand cleaning operation will be provided by OIL.</u></p>	<p>not less than :</p> <p>i)75 deg C max, in 25 mins in case of LWC.</p> <p>ii)75 deg C max, in 15 mins in case of water. The heating system shall be designed to raise the inlet temperature of the working fluid (Crude oil/Plain water/Saline water etc.) from a minimum of 5 deg C to 75 degC with the designed pumping rate.</p> <p>The heating system shall be direct fired one pass continuous forced circulation oil type heater. The technical data sheet shall be supplied along with the quotation.</p> <p>The contractor shall arrange for transportation of water to the pumping unit using water tankers (using 2 nos of 20KL capacity water bowser) to carry out relevant well servicing job, at well site. Only the water source will be provided by OIL. <u>However, LWC (low wax crude) for de-waxing operation and Chemicals for sand cleaning operation will be provided by OIL.</u></p>
PART-3 SECTION - II TERMS OF REFERENCE AND TECHNICAL SPECIFICATIONS OF EQUIPMENT 2.0.1	<p>2.0 DEFINITION OF WORK:</p> <p>Coiled Tubing Unit (including flow-back facility);</p>	<p>Coiled Tubing Unit (including flowback tank facility and all treating irons and fittings. <u>Tank of capacity 2 X 250bbls or 500 bbls.</u>)</p>
(New Clause) Clause 4.6 of TERMS OF REFERENCE SCOPE OF WORK		<p>4.6. Illumination at the well site is under the scope of the contractor.</p>
(New Clause) Clause 4.7 of TERMS OF REFERENCE SCOPE OF WORK		<p>4.7. Dedicated Tractor for each Well Servicing Unit. If Nitrogen Pumping Unit is skid mounted, and not trailer or truck-mounted, then there must be a separate crane (apart from the one to be used in rigging up CTU injector)</p>

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(New Clause) Clause 4.8 of TERMS OF REFERENCE SCOPE OF WORK		4.8. The flowback facility along with 2 x 250bbl or 500bbls flowback tank must be provided by the Contractor. The Contractor must use the flowback tank for all the jobs mentioned in TOR. The evacuation of the flowback tank and the additional tank, using a suitable pump, is in the scope of the Contractor. OIL will however provide bowzers / tankers for evacuating the contents of the tank.
Clause 8B1 Of Part 3, Section II,	LIQUID NITROGEN STORAGE TANK: The Contractor shall provide Liquid Nitrogen Storage Tank(s) of the following specification: <ul style="list-style-type: none"> • Net capacity: 10,000 US gallons. • Maximum allowable working pressure: 100 psig. 	LIQUID NITROGEN STORAGE TANK: The Contractor shall provide Liquid Nitrogen Storage Tank(s) of the following specification: <ul style="list-style-type: none"> • Net capacity: 10,000 US gallons.
Clause 8B2 Of Part 3, Section II,	The Contractor shall provide 01 (one) no. of liquid nitrogen transporter tank. The unit should be placed in a suitable truck fit for Indian road condition with following specifications: <ul style="list-style-type: none"> • Net Capacity : 2,000 US gallon • Maximum allowable working pressure: 100 psig 	The Contractor shall provide 01 (one) no. of liquid nitrogen transporter tank. The unit should be placed in a suitable truck fit for Indian road condition with following specifications: <ul style="list-style-type: none"> • Net Capacity : 2,000 US gallon
Clause No.3.0, Section-II	3.2 (d) Maximum overhead clearance (14feet)	3.2 (d) Maximum overhead clearance (4.75m)
Clause 8F14 Of Part 3, Section II,	Fishing grab with flow through facility: Simple flexible design and robust construction External fish neck: 1 3/8"bbb Size: 2 3/16"	Fishing grab with flow through facility: Simple flexible design and robust construction External fish neck: 1 3/8" Size: 2. 3/16"
Part 3, Section II, Clause 13.1 (1)	OVERALL SUPERVISOR : Shall be engineering graduate or equivalent with sound health, must have minimum of 10 years of work experience in E&P business out of which 05 years experience in well servicing operation with CTU, NPU, FPU with heating facility. OR Shall be Engineering Diploma holder with sound health, must have minimum of 15 years of work experience in E&P business out of which 05 years experience in well servicing operation with CTU, NPU, FPU with heating facility.	OVERALL SUPERVISOR : Shall be engineering graduate or equivalent with sound health, must have minimum of 05 years of work experience in E&P business out of which 03 years experience in well servicing operation with CTU, NPU, FPU with heating facility. OR Shall be Engineering Diploma holder with sound health, must have minimum of 10 years of work experience in E&P business out of which 05 years experience in well servicing operation with CTU, NPU, FPU with heating facility.
Part 3, Section II,	COILED TUBING OPERATOR:	COILED TUBING OPERATOR:

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Clause 13.1 (2)	<p>i) Shall be science graduate/engineering diploma holder or equivalent, with sound health and have minimum of 03 years of work experience in operation and maintenance of Coiled tubing Unit in oil/gas wells.</p> <p>OR</p> <p>Shall be High School or equivalent passed with sound health, must have minimum of 10 years of experience in operation and maintenance of Coiled tubing Unit in oil/gas wells</p>	<p>i) Shall be science graduate/engineering diploma holder or equivalent, with sound health and have minimum of 02 years of work experience in operation and maintenance of Coiled tubing Unit in oil/gas wells.</p> <p>OR</p> <p>Shall be High School or equivalent passed with sound health, must have minimum of 07 years of experience in operation and maintenance of Coiled tubing Unit in oil/gas wells</p>
Part 3, Section II, Clause 13.1 (3)	<p>NITROGEN PUMPER OPERATOR:</p> <p>i) Shall be science graduate/engineering diploma holder or equivalent, with sound health and have minimum of 03 years of work experience in operation and maintenance of Nitrogen Pumping Unit in oil/gas wells.</p> <p>OR</p> <p>Shall be High School or equivalent passed with sound health, must have minimum of 10 years of experience in operation and maintenance of Nitrogen Pumping Unit in oil/gas wells</p>	<p>NITROGEN PUMPER OPERATOR:</p> <p>i) Shall be science graduate/engineering diploma holder or equivalent, with sound health and have minimum of 02 years of work experience in operation and maintenance of Nitrogen Pumping Unit in oil/gas wells.</p> <p>OR</p> <p>Shall be High School or equivalent passed with sound health, must have minimum of 07 years of experience in operation and maintenance of Nitrogen Pumping Unit in oil/gas wells</p>
Part 3, Section II, Clause 13.1 (4)	<p>FLUID PUMPER OPERATOR:</p> <p>i) Shall be high school passed and ITI certificate holder or equivalent, with sound health and have minimum of 03 years of work experience in operation and maintenance of Fluid Pumping Unit in oil/gas wells.</p> <p>OR</p> <p>Shall be High School or equivalent passed with sound health, must have minimum of 10 years of experience in operation and maintenance of Fluid Pumping Unit in oil/gas wells</p>	<p>FLUID PUMPER OPERATOR:</p> <p>i) Shall be high school passed and ITI certificate holder or equivalent, with sound health and have minimum of 02 years of work experience in operation and maintenance of Fluid Pumping Unit in oil/gas wells.</p> <p>OR</p> <p>Shall be High School or equivalent passed with sound health, must have minimum of 07 years of experience in operation and maintenance of Fluid Pumping Unit in oil/gas wells</p>
Part 3, Section II, Clause 13.1 (5)	<p>ASSTT. OPERATOR FOR EQUIPMENT:</p> <p>Shall be high school passed and ITI certificate holder or equivalent, with sound health and have minimum 03 years work experience in operation and maintenance of Coiled Tubing Unit, Nitrogen Pumping Unit and Fluid Pumping Unit in oil and gas wells</p>	<p>ASSTT. OPERATOR FOR EQUIPMENT:</p> <p>Shall be high school passed and ITI certificate holder or equivalent, with sound health and have minimum 02 years work experience in operation and maintenance of Coiled Tubing Unit, Nitrogen Pumping Unit and Fluid Pumping Unit in oil and gas wells</p>
Part 3 Section II Technical Specifications Cl 2.1.g	<p><u>Drilling of compact fill or scales with CTU, FPU</u></p> <p>The job involves running in Coiled Tubing with proper drilling bits/nozzles (i.e. Slim hole motor of size 1 11/16" for CTU 1 ¼" - ½" OD to be supplied by the contractor)</p>	<p><u>Drilling of compact fill or scales with CTU, FPU</u></p> <p>The job involves running in Coiled Tubing with proper drilling bits/nozzles (i.e. Slim hole motor of size 1 11/16" for CTU 1 ½" OD to be supplied by the</p>

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	and drill down the fill or scale to the target depth by flushing out the cuttings with a circulating fluid.	contractor) and drill down the fill or scale to the target depth by flushing out the cuttings with a circulating fluid. Two bits to be provided. Additional bits will be supplied by OIL however, crossover/BHA/MHA to be given by Contactor.
Part 3 Section II Technical Specifications Cl 8 A 8	The Contractor shall arrange for at least 3 sections X 10 feet (Each) risers / Lubricators of appropriate sizes & pressure rating for carrying out different CT operation. The Contractor shall note the different specifications of the downhole tools while selecting the risers.	The Contractor shall arrange for suitable number of risers/lubricators for a total length of 30 feet, of appropriate sizes & pressure rating for carrying out different CT operation. The Contractor shall note the different specifications of the downhole tools while selecting the risers.
Part 3 Section II Technical Specifications Cl 8 A 9	The Contractor shall keep one additional pressure control equipment BOP & Stripper) for intervening wells of Well Head Pressure (WHP) more than 3,500 psig.	The Contractor shall keep one additional pressure control equipment BOP & Stripper (min 10,000 psi rating) for intervening wells of Well Head Pressure (WHP) more than 3,500 psig.
Part 3 Section II Technical Specifications Cl 11 (ii)	Contractor shall provide all necessary firefighting and safety equipment as per laid down practice as specified under OISD - STD - 189 and OMR.	Contractor shall provide all Fire extinguishers DCP, Foam sprayer, Sand buckets etc. as specified under OISD - STD - 189 and OMR.
Part 3 Section II Technical Specifications Cl 13.2	<u>Imparting Training to OIL's personnel:</u> The Contractor shall impart training to at least 12 OIL's personnel at Company's headquarters, Duliajan free of cost on the operation and applications of Coiled Tubing Unit, Nitrogen Pumping Unit and Fluid Pumping Unit.	<u>Imparting Training to OIL's personnel:</u> The Contractor shall impart training to at least 12 OIL's personnel (per well servicing package) at Company's headquarters, Duliajan free of cost on the operation and applications of Coiled Tubing Unit, Nitrogen Pumping Unit and Fluid Pumping Unit.
Part 3 Section II Technical Specifications Annexure B(i) S N 1 PART 3 SECTION - II Clause no. 2.0	The bidder shall provide an undertaking signed by its authorized representative confirming acceptance to clause no 2.0, clause no 2.1 and clause no 2.3 of Part 3 Section -II.	The bidder shall provide an undertaking signed by its authorized representative confirming acceptance to clause no 2.0, clause no 2.1 and clause no 2.2 of Part 3 Section -II.
PART-3 SECTION - II Clause-8.0 Sub-clause A.	DIMENSION (COMPLETE UNIT/INCLUDING TRAILER) Overall Width(max) - Approx. 3 meter (9.85 feet) Overall Height(max) - Within 4.25 meter (14 feet) Overall Length(max) - Approx. 18.0 meter (59 feet) Ground Clearance - Approx. 25.0 cm. (10 inch)	DIMENSION (COMPLETE UNIT/INCLUDING TRAILER) Overall Width(max) - 2.9 meter Overall Height(max) - 4.75 meter Overall Length(max) - 12.0 meter for Rigid Vehicles - 18.0 meter for Tractor Trailor Combination Ground Clearance - Approx. 25.0 cm. (10 inch)

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PART-3 SECTION – II Clause-8.0 Sub-clause B.	DIMENSION (COMPLETE UNIT/INCLUDING TRAILER) Overall Width(max) - Approx. 3 meter (9.85 feet) Overall Height(max) - Within 4.25 meter (14 feet) Overall Length(max) - Approx. 18.0 meter (59 feet) Ground Clearance - Approx. 25.0 cm. (10 inch)	DIMENSION (COMPLETE UNIT/INCLUDING TRAILER) Overall Width(max) – 2.9 meter Overall Height(max) – 4.75 meter Overall Length(max) - 12.0 meter for Rigid Vehicles - 18.0 meter for Tractor Trailor Combination Ground Clearance - Approx. 25.0 cm. (10 inch)
PART-3 SECTION – II Clause-8.0 Sub-clause C.	DIMENSION (COMPLETE UNIT/INCLUDING TRAILER) Overall Width(max) - Approx. 3 meter (9.85 feet) Overall Height(max) - Within 4.25 meter (14 feet) Overall Length(max) - Approx. 18.0 meter (59 feet) Ground Clearance - Approx. 25.0 cm. (10 inch)	DIMENSION (COMPLETE UNIT/INCLUDING TRAILER) Overall Width(max) – 2.9 meter Overall Height(max) – 4.75 meter Overall Length(max) - 12.0 meter for Rigid Vehicles - 18.0 meter for Tractor Trailor Combination Ground Clearance - Approx. 25.0 cm. (10 inch)
Part 3 Section-II Clause no 11.0 Sub-clause vi)	SECURITY SERVICES: Contractor shall provide adequate security personnel to safe guard their own equipment & accessories at camp & work site.	SECURITY SERVICES: Contractor shall provide adequate security personnel to safe guard their own equipment & accessories at camp & work site. In case of any security issue, the contractor has to lodge FIR in the nearby Police Station and submit a copy of receipt to OIL along with a forwarding letter, then only OIL may activate its security services to solve the situation.
SPECIAL CONDITIONS OF THE CONTRACT		
Clause 22 Pg No:88	22.0 The Contractor shall not engage labour below 18 (eighteen) years of age under any circumstances. Persons above 60(sixty) years age also shall not be deployed.	22.0 The Contractor shall not engage labour below 18 (eighteen) years of age under any circumstances. All persons must be medically fit and duly certified by an OIL's approved Medical Institution.
Part 3, Section III, Clause 8.5	Contractor shall carryout normal maintenance of company's items (taken on loan, if any)	-----Stands deleted.----- -----
Contractor's Personnel (Part 3 Section-III 3.2.0) Pg 78.	3.2. The Contractor shall have a base office at Base camp at Duliajan to be manned by competent personnel, who shall act for the Contractor in all matters relating to Contractor's obligations under the contract.	3.2. The Contractor shall have a base office at Base camp, for each package, at a suitable location, in consultation with the Company, in either of the three districts (Tinsukia, Dibrugarh and Sivasagar) to be manned by competent personnel, who shall act for the Contractor in all matters relating to

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		Contractor's obligations under the contract. For each well servicing package, there may be a separate base camp.
Clause 2.1 of Part 3 of Section III of SCC at Pg.77 /118	MOBILIZATION 2.1 Mobilization shall be carried out in accordance to Clause No. 2.2, General Conditions of Contract, Section-I.	MOBILIZATION 2.1 Mobilisation will be completed after all equipments (including downhole tools) and manpower are at base camp and wet tested at base camp, to the satisfaction of OIL's team. Contractor shall issue a Notice of Readiness for Inspection to the Company. Company shall inspect the Contractors Equipment within 7 (seven) days (per well servicing package) of receipt of the Contractors Notice of Readiness for Inspection. If the Company fails to inspect the Contractors Equipment within 7 (seven) days (per well servicing package) from the receipt of Notice of Readiness for Inspection, the Contractor's Equipments shall be deemed to be mobilized.
Clause 9.3 of PART-3 SECTION - III SPECIAL CONDITIONS OF CONTRACT : <i>Loss or damage to sub-surface Equipment</i>	<u>9.3 LOSS OR DAMAGE OF SUB-SURFACE EQUIPMENT:</u> Except as otherwise specifically provided in the contract, any damage to or loss, of the Well Servicing Units and/or Downhole tools/equipment regardless of the cause or reason for said loss, shall be the loss of the Contractor, its underwriters or insurers. Contractor indemnifies OIL, its Co-licensees and its and their affiliates Companies, Agents, employees, invitees, servants, their underwriters or insurers (other than Contractor's) and their employees, agent any claim whatsoever or responsibility for any damage to or loss of the Well Servicing Unit or any other equipment or property of Contractor or Contractor's sub-contractors furnished or intended for use in the operations herein undertaken.	<u>LOSS OR DAMAGE TO SUB-SURFACE EQUIPMENT:</u> Notwithstanding any provision under this contract to the contrary, Company shall assume liability except in the event of gross negligence on the part of the Contractor, for loss or damage to the Contractor's sub-surface equipment and the down hole tools in the hole below the X-mass tree. Company shall at its option either reimburse the Contractor for the value of lost equipment/tools as declared in the import invoices at the time of mobilization (or subsequent replacement/addition) of the same equipment/ tools or CIF value as reflected in Proforma-B hereto whichever is lower (Plus customs duty paid by the contractor for the equipment tool lost/ damaged, provided that the said custom duty was not borne by the Company and Contractor produces the documentary evidence towards payment of customs duty.) for any such loss or damage, less

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		depreciation @3% per month from the date of commencement of this contract with a maximum depreciation equivalent to 50% of CIF value as indicated by the Contractor or at its option replace similar equipment/tools to the satisfaction of the Contractor and any transportation expenses incurred in connection herewith. All such costs shall be payable by Company only after Contractor has produced documentary evidence that the particular equipment/tools in question was not covered by Contractor's insurance policies. For such claims Contractor should notify the Company within one month. The inspection of recovered equipment from down hole need to be done by Company representative before submission of the invoice by Contractor.
Clause 9.4 of Part 3 of Section III of SCC at Pg.76 /118	9.4 OIL'S EQUIPMENT: Contractor shall assume the risk of and shall be solely responsible for, damage to and loss or destruction of materials and equipment furnished by OIL. In case there is a loss or damage to OIL's equipment for causes attributable to Contractor, the Contractor shall compensate OIL suitably.	----- Stands Deleted -----
SCHEDULE OF RATES		
Part 3 Section IV S O R 4 (c)	The Daily Rental Charge will be payable due to non-availability of any equipment for attending schedule maintenance job within the Company's allowable servicing period of 2 day (cumulative 48 hours) for the overall service package in a calendar month. Scheduled maintenance of all the units should be carried out together.	The Daily Rental Charge will be payable due to non-availability of any equipment for attending schedule maintenance job within the Company's allowable servicing period of 3 days (cumulative 72 hours) for the overall service package in a calendar month. Scheduled maintenance of all the units should be carried out together.
Part 3 Section IV Schedule of rates Clause 5 sub-clause c.	Only Daily rental charges as per Para 4.0 above shall be applicable during the shifting period.	Only Daily rental charges as per Para 4.0 above shall be applicable during the shifting period, in addition to the shifting charges paid.
Clause No. 3(c) of Section IV of Part 3 of Schedule of rates at Page 92 of 118:	The equipment will be used normally between 06.00 Hrs to 18.00 Hrs. However, in case of exigency, any of the equipment may be deployed beyond the stipulated day time without any additional payment.	The para stands deleted.

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Clause 1) b. of Part 3 of Section IV of SOR at Pg.91 /118	1.0 MOBILIZATION CHARGES: b) Mobilization charges will be payable only when Mobilization is deemed to be completed in accordance to clause 2.2 of General Condition of the Contract.	2.0 MOBILIZATION CHARGES: b) Mobilization charges will be payable only when Mobilization is completed in all respect as per clause 2.2 of General Condition of the Contract.
Proforma-B Price Bid Format Sl No.4 Operating Day Rate iv)Acid Mixing Tanks v) Acid Transfer Pump	Unit Rate= d(v) Unit Rate=d(vi)	Unit Rate= d(iv) Unit Rate=d(v)
ANNEXURE-V EQUIPMENT AND SERVICES TO BE FURNISHED BY CONTRACTOR OR COMPANY (OIL)	9. Water supply to contractor's equipment (FPU) for pumping operation using 2 nos of 20 kl Water tankers at well site.	9. Loading, Transportation and Unloading of water from water-source as shown by Company to contractor's equipment (FPU) for pumping operation using 2 nos of 20 kl Water tankers at well site is contractors scope.

***** **End of Addendum to Bid Document** *****