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

CORRIGENDUM

Addendum No. 2 Dated 20.10.2014
to
IFB No. CDG4831P15

This Addendum No. 2 dated 20.10.2014 to IFB No. CDG4831P15 for Hiring the Services of Matrix Acidization of 100(one hundred) Nos. of Wells or for a period of 4(four) years, whichever is earlier, in OIL's fields in Assam & Arunachal Pradesh is issued to notify few changes in Terms of Reference and Special Conditions of Contract of the bid document. The changes in the bid documents are given as Annexure-I & Annexure-II to this page. All other Terms & Conditions of the Bid Document remain unaltered.

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Modifications made in TERMS OF REFERENCE of the IFB CDG4831P15

Annexure-I

Clause No.	Original Clause		Modified Clause	
3 C(i) 1	Acid pumping unit	Diesel Engine Driven, High pressure (maximum discharge pressure 10,000 psi, 3 1/2" Plunger size) triplex plunger pump suitable for handling corrosive fluid with relief valve. All piping shall be suitable for acid pump service.	Acid pumping unit	Diesel Engine Driven, High pressure (maximum discharge pressure 10,000 psi) triplex plunger pump suitable for handling corrosive fluid with relief valve. All piping shall be suitable for acid pump service.
3 D	D. EQUIPMENT VINTAGE (YEAR OF MANUFACTURE) The vintage of major equipment i.e. Acid pumping unit, Acid Tanker and Acid Loading & Unloading pump to be deployed by the bidder for Acidization operation shall not be more than 3 (three) years as on bid closing date.		D.EQUIPMENT VINTAGE (YEAR OF MANUFACTURE) The vintage of the Acid pumping unit to be deployed by the bidder for *Acidization operation shall not be more than 7 (seven) years old as on bid closing date. The bidder should ensure that all equipment are well maintained and in good running conditions. Suspension of work due to failure of bidder's equipment will result in penalty as per Clause 15.4 of SCC.*	
3 E	ALLOWABLE SIZE OF THE EQUIPMENT: The maximum permissible dimension and weight for each of the mobile units are as shown below. - Length : 9.0 Meters. - Width : 3.5 Meters. - Height : 3.5 Meters. - Weight : 50 Tons (including weight of the vehicle). For trailer mounted units the following will be applicable:		ALLOWABLE SIZE OF THE EQUIPMENT: The maximum permissible overall dimension and weight for each of the mobile units shall be as per as per latest Indian Motor Vehicle Act and latest Central Motor Vehicles Rules.	

	-If payload is less than 20 tons, 6 X 4 power units or articulated vehicle (tractor with trailer) will be suitable. -If payload is more than 20 tons, 6 X 6 power units or articulated vehicles will be suitable.	
3 G(v)	The company normally will provide the source of water needed for the acidization operation. The source may be within the range of 25 Km from the site of operation. The bidder shall arrange for transferring the water from the source to the work place with the help of Water Tankers. In remote locations, where transporting of water is not feasible the bidder shall arrange and sink tube wells at the well site. The bidder shall arrange for lifting water with this arrangement.	The company will provide the source of water needed for the acidization operation from the nearby Company's installations. The bidder shall arrange for transferring the water from the source to the work place with the help of Water Tankers. *Arrangement of water tankers will be in bidder's scope.*
3 J	WASTE MANAGEMENT All out effort shall be put by the bidder to protect the environment from any kind of pollution arising out of acidization treatment. The equipment, material etc. used for the purpose shall be of environment friendly in nature as far as possible. Noise level of the equipment used for acidization shall be within the limit of 90 db. The bidder shall design the acid job in such a way that the amount of waste is kept at its minimum. Spent or Unspent acids, reaction products and other chemicals exposed to the surface shall be neutralized with proper neutralizing agent. Neutralization tests are to be conducted by the bidder to ensure complete neutralization. Samples of the acids and chemicals are to be tested at the Field Lab by the bidder and certified. The certificates are to be submitted to the Company.	WASTE MANAGEMENT All out effort shall be put by the bidder to protect the environment from any kind of pollution arising out of acidization treatment. The equipment, material etc. used for the purpose shall be of environment friendly in nature as far as possible. Noise level of the equipment used for acidization shall be within the limit of 90 db. The bidder shall design the acid job in such a way that the amount of waste is kept at its minimum. Unspent acids, reaction products and other chemicals exposed to the surface shall be neutralized with proper neutralizing agent. Neutralization tests are to be conducted by the bidder to ensure complete neutralization. *After neutralization as per the norms of Assam pollution control board, following parameter may be tested prior to disposal of neutralized unspent acid solution in to the designated pit:* *Appearance, Temperature, pH, Chloride (as Cl), Phenolic Compounds, Sulphate, Chromium, TDS, suspended solids,*

	The bidder has to dig out an earthen pilot pit. The size of the pit should be such that it accommodates 1.5 times the total volume of the return acid plus the neutralizing agent. The pit should be fenced with 04 feet high jingle wire fence with concrete posts to protect men & animals from accidently falling into the pit. A safety sign board is also to be made and grouted inside the fence. Additionally, the earthen pit is to be covered with HDPE lining(min. 300 gsm thick) so that the pollutants will not be allowed to come in contact with ground water. All the statutory rules & regulations related to HSE (Health, Safety & Environment) imposed by different statutory bodies & agencies in upstream oil sectors not limited to (Oil Mines Regulations'84, OISD standards, Hazardous Waste Management and Handling Rules 2008, SPCB & CPCB) must be complied in totality.	*Oil and grease etc.* The certificates are to be submitted to the Company. *Acidization job for a particular well will be termed as complete only when it is certified by the Company that all Unspent acids, reaction products and other chemicals exposed to the surface are completely neutralized.* *The Company shall arrange for a pit for the bidder to dispose the neutralized return volume.* All the statutory rules & regulations related to HSE (Health, Safety & Environment) imposed by different statutory bodies & agencies in upstream oil sectors not limited to (Oil Mines Regulations'84, OISD standards, Hazardous Waste Management and Handling Rules 2008, SPCB & CPCB) must be complied in totality.
3.0 K(vi)	Evaluation of payout and Return on Investment (ROI) for individual wells as well as a group of certain number of treated wells shall be carried out by the bidder. Necessary cost and return input needed for the exercise shall be provided by the company.	Clause Deleted
4.0	<u>SUCCESS OF THE ACIDIZATION JOB</u>: An acidization job will be termed as "successful" job if a minimum 80% of the designed treated volume agreed upon by the contractor and OIL is pumped into that particular well. The designed treated volume shall comprise of chemicals, consumables, additives etc. for well bore cleanout, acid preflush, low strength main acid,	<u>SUCCESS OF THE ACIDIZATION JOB</u>: An acidization job will be termed as "successful" job if a minimum 80% of the designed treated volume agreed upon by the contractor and OIL is pumped into that particular well. The designed treated volume shall comprise of chemicals, consumables, additives etc. for well bore cleanout, acid preflush, low strength main acid, high strength main acid and overflush.

	high strength main acid and overflush. Any unsuccessful job would result in no payment for operating day rate charge, cost of chemicals, additives, consumables etc. for that job.	Any unsuccessful job would result in no payment for *operating day rate charge and daily rental charge for that job.*
9.0 Notes: 16)	The bidder shall also depute a Petroleum Engineer/Reservoir Engineer for selection of candidate wells and design of the acidization program during the currency of the contract. The petroleum engineer/ Reservoir Engineer should have an experience of minimum 5 years in E&P business out of which at least 3 years should be in reservoir engineering discipline.	The bidder shall also depute a Petroleum Engineer/Reservoir Engineer for selection of candidate wells and design of the acidization program. *The Petroleum Engineer/Reservoir Engineer shall be present at Company's office as and when required during the currency of the contract.* The petroleum engineer/ Reservoir Engineer should have an experience of minimum *4* years in E&P business out of which at least 3 years should be in reservoir engineering discipline.

Modifications made in SPECIAL CONDITIONS OF CONTRACT of the IFBCDG4831P15

Annexure-II

Clause No.	Original Clause	Modified Clause
9.4	BLOWOUT OR CRATER: In the event any well, while carrying out Acidization operation hereunder, shall become uncontrolled creating pollution hazard due to negligence of Bidder, Bidder will bear the entire cost and expenses of bringing the well under control and shall indemnify and hold company harmless in this regard. This provision is not to be interpreted as company assuming any liability for loss of property, damages, loss of life or injuries caused by such a situation to environment or human beings, except as otherwise provided under the terms and conditions of the contract.	Clause Deleted.
26.0	New Clause	Normally the acidization operations are going to be performed for 12 hours in one day, which means from 6 AM to 6 PM, depending on the daylight conditions.

********** *END OF ADDENDUM TO BID DOCUMENT* **********