ऑयल इंडिया लिमिटेड
(भारत सरकार का उद्यम)
Oil India Limited
(A Government of India Enterprise)
Conquering Newer Horizons

MATERIALS DEPARTMENT
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CORRIGENDUM

ADDENDUM No.01 dated 08.01.2020

to

TENDER NO. SDG2738P20/09

This addendum is issued to amend some of the existing technical specifications as well as extension of Bid Closing/Opening dates, details as under:

A) Amendment to some of the existing Technical Specifications: Refer Annexure-I (Page no. 02 to 05 of this document)

B) Extension of Bid Closing/Opening dates:

Description	Existing Date & Time	Extended upto
Bid Closing Date & Time	08.01.2020 (at 11.00 Hrs. IST)	**22.01.2020 (at 11.00 Hrs. IST)**
Technical Bid Opening Date & Time	08.01.2020 (at 14.00 Hrs. IST)	**22.01.2020 (at 14.00 Hrs. IST)**

All other terms and conditions of the bid document will remain unchanged.

Sd/-
Amrit Loushon Bora
Sr. Manager Materials (FD)
For CGM-Materials (HoD)
For Resident Chief Executive

ANNEXURE-I

AMENDMENT TO SOME OF THE EXISTING TECHNICAL SPECIFICATION AGAINST TENDER NO. SDG2738P20/09

Clause No.	Existing Clause	Amended to read as
Annexure-A of tender document **Clause no. 2.2 (TUBING REEL ASSEMBLY)**	The above tubing is to be placed in a suitably designed skid mounted tubing reel assembly. The reel assembly is to be mounted on a steel sub frame, which shall in turn be mounted on the trailer chassis. Reel Assembly shall be an individual structure and required to be mounted directly on the chassis and suitable for dismounting from the chassis and placing on the ground without any other support. The reel assembly sub frame shall have an integral sump with an arrangement for drain plug for cleaning or eliminating spills and pollutants. A ladder shall be equipped with the structure for riding on the tubing reel to carry out maintenance job. The tubing reel external plumbing manifold shall be equipped with a de-booster assembly for monitoring the circulating pressure. The control cabin shall be having a transducer for receiving the hydraulic signal from the de-booster assembly and feeding it to the data acquisition system. The tubing reel external plumbing manifold shall have two H2S service FIG 1502 inlet. Each inlet shall comprise of one plug valve and then connected to a common ball dropping manifold/port with another plug valve in series with the inlet connection. All the components of the external plumbing manifold will be H2S service FIG 1502 rated at 10,000 psi. The reel assembly should have the following features: -	The above tubing is to be placed in a suitably designed skid mounted tubing reel assembly. The reel assembly is to be mounted on a steel sub frame, which shall in turn be mounted on the trailer chassis. Reel Assembly shall be an individual structure and required to be mounted directly on the chassis and suitable for dismounting from the chassis and placing on the ground without any other support. The reel assembly sub frame shall have an integral sump with an arrangement for drain plug for cleaning or eliminating spills and pollutants. A ladder shall be equipped with the structure for riding on the tubing reel to carry out maintenance job. **There should be a minimum 8 inch clearance (along the circumference) in the reel drum/frame after spooling of 5500 m (full capacity) of CT on the reel drum for easy and safe operation.** The tubing reel external plumbing manifold shall be equipped with a de-booster assembly for monitoring the circulating pressure. The control cabin shall be having a transducer for receiving the hydraulic signal from the de-booster assembly and feeding it to the data acquisition system. The tubing reel external plumbing manifold shall have two H2S service FIG 1502 inlet. Each inlet shall comprise of one plug valve and then connected to a common ball dropping manifold/port with another plug valve in series with the inlet connection. All the components of the external plumbing manifold will be H2S service FIG 1502 rated at 10,000 psi. The reel assembly should have the following features: -

Annexure-A of tender document **Clause no. 3.1 (TUBING INJECTOR)**	a) Tubing Injector shall be of make Hydra Rig / S&S / National / HPT suitable for 1.5" OD tubing, Hydraulic motor driven of continuous pull capacity 60,000 lbs@ 4500 psi and intermittent pull capacity of 66000 lbs. b) Maximum Injector Weight: 4000 Kg. c) Max speed: 200-250 ft/min. d) Hydraulic injector motor shall have fail safe brake system. Additional spring applied and pressure released Modular Brake system to be provided. e) The injector shall be equipped with: i) Hydraulic Load Cell assembly (0-80,000 lbs) of make Martin Decker/Wagner with dual scale Weight Indicator. ii) Dual planetary Gear transmission iii) The drive chassis shall be equipped with Hydraulic system for tension adjustment. Necessary accumulators are to be installed in the chain tensioning hydraulic circuit to ensure continuous hydraulic pressure during operation. iv) Goose neck shall be fold down roller type detachable,72" radius v) Catwalk on three sides of the injector (with detachable folding railing). vi) A fall protection device also to be mounted vii) Remote control injector chain lubricating system. Chain type shall be ANSI#180. viii) Pin on mount side loading stripper assembly ix) Easily replaceable chain assembly to adapt gripper block for CT size ranging from 1.25"-1.75" OD. Integral gripper block with insert is not acceptable. There shall be provision of quick removal of plunger / insert from the gripper block assembly. x) One set telescopic support legs minimum 20 ft long with screw, to support injector during operation. Another set of short support legs (of length approx. 5 feet) to facilitate maintenance work at base. xi) Arrangement for connecting safety belt and harness shall be provided, for safe working on the injector. xii) Quick disconnects of make Aeroquip or Parker.	a) Tubing Injector shall be of make Hydra Rig / S&S / National / HPT suitable for 1.5" OD tubing, Hydraulic motor driven of continuous pull capacity 60,000 lbs@ 4500 psi and intermittent pull capacity of 66000 lbs. b) Maximum Injector Weight: 4000 Kg. c) Max speed: 200-250 ft/min. d) Hydraulic injector motor shall have fail safe brake system. Additional spring applied and pressure released Modular Brake system to be provided. e) The injector shall be equipped with: i) Hydraulic Load Cell assembly (0-80,000 lbs) of make Martin Decker/Wagner with dual scale Weight Indicator. ii) Dual planetary Gear transmission iii) The drive chassis shall be equipped with Hydraulic system for tension adjustment. Necessary accumulators are to be installed in the chain tensioning hydraulic circuit to ensure continuous hydraulic pressure during operation. iv) Goose neck shall be fold down roller type detachable,72" radius v) Catwalk on three sides of the injector (with detachable folding railing). vi) A fall protection device also to be mounted vii) Remote control injector chain lubricating system. Chain type shall be ANSI#180. viii) Pin on mount side loading stripper assembly ix) Easily replaceable chain assembly to adapt gripper block for CT size ranging from 1.25"-1.75" OD. Integral gripper block with insert is not acceptable. There shall be provision of quick removal of plunger / insert from the gripper block assembly. x) One set telescopic support legs minimum 20 ft long with screw, to support injector during operation. Another set of short support legs (of length approx. 5 feet) to facilitate maintenance work at base. xi) Arrangement for connecting safety belt and harness shall be provided, for safe working on the injector. xii) Quick disconnects of make Aeroquip or Parker. Xiii) **For lifting the Injector during operation, one set of four leg bridle sling assembly with weldless sling link (01 No) and shackles (04 Nos.) compatible with the injector should be provided to ensure safety during operation.**

Annexure-A of tender document **Clause no. 3.2 (ii) (BOP)**	ii) Connection: 3.06" 10M BX-154 flanges up and down and shall incorporate 2.06" 10M BX-152 side outlet, with adapter to 2"x 15 M H2S rated figure 1502 union half. The Pressure transducer shall be provided to monitor the well head pressure. CB-34 blanking plug with lifting arrangement and test port shall be provided. The Quad BOP mounts on a removable stand pinned to the trailer deck. Change over spool shall be provided for 3.0610M BX-154 to 2.9/16" BX-153 & 3.06 10M BX-154 to 2.9/16" RX 27, 5000 psi.	ii) Connection: 3.06" 10M BX-154 flanges up and down and shall incorporate 2.06" 10M BX-152 side outlet, with adapter to **2"x 10 M** H2S rated figure 1502 union half. The Pressure transducer shall be provided to monitor the well head pressure. CB-34 blanking plug with lifting arrangement and test port shall be provided. The Quad BOP mounts on a removable stand pinned to the trailer deck. Change over spool shall be provided for 3.0610M BX-154 to 2.9/16" BX-153 & 3.06 10M BX-154 to 2.9/16" RX 27, 5000 psi.
Annexure-A of tender document **Clause no. 3.3 (HOSE REEL ASSEMBLY)**	i. The injector power hoses should be spooled on a suitable reel operated by hydraulic motor. ii. All control hoses from the BOP to the control console shall be spooled on a separate reel operated by hydraulic motor. iii. All other hoses connecting the injector controls, load cell, stripper etc. to the control console shall be spooled on suitable reel(s) operated by hydraulic motor(s). iv. All hydraulic and pneumatic hoses, electric cables etc. shall be covered / insulated and they shall not come in contact with the trailer frame or other hard / metallic surfaces that may cause premature wear due to chaffing or vibration. Protective sheathing shall be provided wherever they come into contact with the trailer frame or other hard/metallic surfaces that may cause pre mature wear. v. End connectors of the hoses shall be distinctly marked with tags at both ends for easy identification	i. The injector power hoses should be spooled on a suitable reel operated by hydraulic motor. ii. All control hoses from the BOP to the control console shall be spooled on a separate reel operated by hydraulic motor. iii. All other hoses connecting the injector controls, load cell, stripper etc. to the control console shall be spooled on suitable reel(s) operated by hydraulic motor(s). iv. All hydraulic and pneumatic hoses, electric cables etc. shall be covered / insulated and they shall not come in contact with the trailer frame or other hard / metallic surfaces that may cause premature wear due to chaffing or vibration. Protective sheathing shall be provided wherever they come into contact with the trailer frame or other hard/metallic surfaces that may cause pre mature wear. v. End connectors of the hoses shall be distinctly marked with tags at both ends for easy identification **Above hoses should be of minimum length 30 m.**

Annexure-A of tender document **Clause no. 12.2 (I) (DECK ENGINE)**	I. The deck engine should be water cooled, turbo-charged diesel fuel (HSD) engine of make **Caterpillar/Cummins** developing minimum power 400 BHP at rated RPM suitable to run the entire operation of the Coiled tubing unit smoothly along with all accessories. The offered engine shall comply with BS-VI /EURO-VI /TIER IV Final/equivalent or higher emission standard as applicable in the state of Assam in India at the time of delivery of the unit. The engine should be vibration isolated from the trailer by means of suitable anti-vibration mounting. Also, the bidder should confirm that sufficient space is available for maintenance of engine on the unit.	I. The deck engine should be water cooled, turbo-charged diesel fuel (HSD) engine of make **Caterpillar/Cummins** developing minimum power 400 BHP at rated RPM suitable to run the entire operation of the Coiled tubing unit smoothly along with all accessories. The offered engine shall comply with **BS-IV/ EURO-IV/TIER IV Final/ equivalent** or higher emission standard as applicable in the state of Assam in India at the time of delivery of the unit. The engine should be vibration isolated from the trailer by means of suitable anti-vibration mounting. Also, the bidder should confirm that sufficient space is available for maintenance of engine on the unit. NB.: Bidder has to submit necessary documents to substantiate their claim of the emission standard of the deck engine to be supplied.
Annexure-A of tender document **Clause no. 13.1 (III)** **SPECIFICATION OF THE TRACTOR (PRIMEMOVER):**	III. GCW: Not exceeding **49000 Kg** when coupled with the offered trailer unit.	III. GCW: Not exceeding **55000 Kg** when coupled with the offered trailer unit. Note: The total weight of the complete unit i.e. laden weight of the unit (i.e. the total of weight of Tractor with Driver's cabin & its accessories, weight of trailer & its accessories and all coiled tubing equipment including the tubing weight and the weight of other equipment, tools, accessories etc. that are generally mounted, carried, kept in the unit, spare wheels, hydraulic oil & diesel oil etc.) must be within the Gross Combination Weight (GCW).
Annexure-A of tender document **Clause no. 13.2** **SPECIFICATION OF THE TRAILER**	II. Capacity: As per design and compatible with the aforementioned Tractor, GCW not exceeding **49000 Kg** when the offered Tractor & Trailer unit is coupled. There should be adequate gap between trailer platform and wheels, so that wheels do not touch the platform body or any other items of the coiled tubing units mounted on the trailer while crossing speed breakers, falls in pot holes etc. and the bidder should ensure the same.	II. Capacity: As per design and compatible with the aforementioned Tractor, GCW not exceeding **55000 Kg** when the offered Tractor & Trailer unit is coupled. There should be adequate gap between trailer platform and wheels, so that wheels do not touch the platform body or any other items of the coiled tubing units mounted on the trailer while crossing speed breakers, falls in pot holes etc. and the bidder should ensure the same.