



CORRIGENDUM

ADDENDUM No.01 dated 05.09.2019

to

TENDER NO. SDG2272L20/09

This addendum is issued to

1) **Modification in scope of supply:**

A) Inclusion of **Item No. 40** along with corresponding special notes to bidders in addition to the existing.

B) Amendment to existing specification of **Item Nos 10 to 30**

2) Amendment to a few **Existing Clauses** including **price bid format**.

3) Extension of Bid Closing/Opening date, Enhancement of Bid Security amount.

Details as per **Appendix – AA** enclosed.

All other Terms & Conditions of the Bid Document remain unaltered.

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

1) MODIFICATION IN SCOPE OF SUPPLY:

A) In addition to the existing three items of Tender No. SDG2272L20/09, bidder(s) must consider Item No. 40 (specification as under) for supply in compliance with the original tender document as well as special note to bidders mentioned hereunder:

Item no	Material Description	Quantity
40	<p>TUBING HEAD SPOOL Assembly: 10 K, 13.5/8" X 11" Tubing Head Spool Assembly: 346.075 mm (13.5/8") x 279.4 mm (11"), 704 kg/cm² (10,000 psi) W.P., conforming to API specification 6A, latest edition and API monogrammed.</p> <p>(a) Tubing Head Spool: Straight Bore Bowl design with a landing shoulder to accept mandrel type tubing hanger as specified in para (d) below. It shall have the following minimum requirement and provisions:</p> <p>Material: Minimum 75 K API forged alloy steel Material for all ring grooves at the flanges & Ring Gasket: Alloy 625 Product Specification Level (PSL): 3 Performance Requirement (PR): 2 Material Class / Retained Fluid service: BB Temperature Rating: U Working Pressure: 704 kg/cm² (10,000 psi) Test pressure: 1056 kg/cm² (15,000 psi) Drift Diameter of the spool: 217.17 mm (8.55") Pack-Off Casing Size: 244.48 mm (9.5/8")</p> <p>Tubing Head Spool Shall be furnished with the following:</p> <p>(a) (i) Top Connection: Type: Flanged RTJ API type 6 BX Size: 279.4 mm (11") with ring grooved BX 158 W.P. : 704 kg/cm² (10,000 psi)</p> <p>Top preparation: It shall be suitable to accommodate Tubing Hanger mentioned in the (item d). The top flange shall be provisioned for Tie-down Screws, to be designed with packing in front of the threads to prevent contamination of the threads by well bore fluid and eliminate a build-up of solids behind the tie-down screws which might prevent</p>	2 Nos

retraction. These will also provide external oil seals on tie-down screws to protect the threads from atmospheric corrosion.

(a) (ii) Bottom Connection:

Type: Flanged RTJ API type 6 BX

Size: 346.075 mm (13.5/8") with ring grooved BX 159

W.P. : 704 kg/cm² (10,000 psi)

Bottom Preparation: Suitable to accommodate removable/integral type Bit Pilot / Bit Guide (item b) and Secondary Seal Assembly (item c). Preparation shall be such that the Bit Pilot / Bit Guide is held in place by snap / retainer ring and Secondary Seal Assembly sits in the counter bore properly without resting on the primary seal. Bottom flange shall be provided with testing port facilities with 3/4" NPT outer plug having Allen head, and 3/8" NPSC check valve having Allen head installed, for testing the following two areas:

- The space between the two seals of FS Seal of Secondary Seal Assembly.
- The space formed by the ring joint gasket (size BX 159), the bottom sealing element of FS seal, the sealing element available in the casing head spool.

(a) (iii) Side connection: Two diametrically (180 deg. Apart) opposite side outlets to be provided as under:

Type: Studded RTJ, API 6 BX complete with Stud Bolts & Nuts

Size: 52.4 mm (2.1/16") with ring grooved BX 152

W.P.: 704 kg/cm² (10,000 psi)

Both side outlets are to be provided with 38.1 mm (1.1/2") LP Threads. Requisite nos. of studs & nuts shall be provided.

(b) Bit Pilot / Bit Guide (for 9.5/8"Casing, Qty-1 no. per set):

Removable/integral type bit pilot to be used in conjunction with Secondary Seal Assembly (item c) for installation in tubing head spool (item a) and held in place by snap/retainer ring and suitable for 244.48mm (9.5/8") OD casing. Bit pilot shall be such that it prevents casing and secondary seal assembly from getting damaged during running-in of any downhole tools. The minimum ID of the bit pilot shall be 217.17mm (8.55"). The bit pilot along with the Secondary Seal Assembly (item c) shall be positioned to accommodate casing length of 4.1/2" from the bottom surface of the Tubing Head Spool.

(c) Secondary Seal Assembly (For 9.5/8"Casing, Qty-1 no. per set):

Removable/integral self energised (System Pressure Actuated) type, FS (Double Seal, Material –RGD resistant HNBR Elastomers) design, 704 kg/cm² (10,000 psi) W.P. to suit bottom preparation of Tubing Head spool (item a) and to

pack / Seal off 244.48 mm (9.5/8") OD casing. The Secondary Seal Assembly along with the bit pilot shall be positioned to accommodate casing length of 4.1/2" from the bottom surface of the Tubing Head Spool.

(d) Tubing Hanger (Qty-1 no. per set):

Single completion suspended mandrel type with extended seal neck, complete with additional upper seal ring to be energised by pack off adapter flange (item e) and complete with lower seal ring to be energised by the tubing weight/self-energized type.

The Tubing Hanger, suitable for above Tubing Head Spool (item a), shall be made of forged alloy steel (Minimum 75 K API material) with bottom thread to hang 73.03 mm (2.7/8") OD VAM TOP tubing and top thread to lift the tubing hanger with 73.03 mm (2.7/8") OD VAM TOP pup joint.

The Tubing Hanger shall also be provided with 2.1/2" type-H BPV 4TPI 90 degree LH thread for installing 2.1/2" type-H Back Pressure Valve, with minor diameter 2.4075+/-0.0025" (61.1505 mm +/-0.0635 mm) which will be the minimum ID of the Tubing Hanger.

(e) Pack Off Adapter Flange (for 10 M XMT, Qty-1 no. per set):

Suitable for mounting on above Tubing Head spool (item a) and fit over extended neck of Tubing hanger (item d). The Pack Off Adapter Flange shall be designed as below:

(i) Top Connection: Studded, 78 mm (3.1/16"), BX-154 ring grooved, 704 kg/cm² (10,000 psi) W.P. The top of the vertical bore shall be suitably chamfered to guide the wireline tools.

(ii) Bottom Connection: Flanged, 279.4 mm (11") with BX-158 ring grooved, 704 kg/cm² (10,000 psi) W.P. Bottom flange shall be provided with testing port facilities with 3/4" NPT outer plug having Allen head and 3/8" NPSC check valve having Allen head installed.

(f) Casing Valves (Qty-2 nos per set):

Gate valves, forged alloy steel, 52.39 mm (2.1/16"), 704 kg/cm² (10,000 psi) W.P., flanged end, BX-152 ring grooved, full bore through conduit, complete with hand wheel and shall be installed at both the side outlets (item a-iii) of Tubing Head Spool (Item a). The gate vales shall have replaceable gate and seat assembly, parallel solid slab gate construction with floating seat, back seat arrangement on the stem; non-rising stem supported on two thrust bearings with plastic packing and grease injection ports.

<p>(g) Studs & Nuts: Requisite nos. of Studs & Nuts with different sizes shall be provided based on the design of the above items.</p> <p>(h) Ring Joint Gaskets: Ring Joint Gaskets with matching sizes and requisite nos. shall be provided for each ring groove of the flange connections.</p> <p>(i) Other Accessories/spares:</p> <p>The following accessories/spares are to supplied along with the tubing head spool:</p> <p>(i) Redress Kit for tubing hanger (Seal ring of the body & extended neck): 02 nos. per set. (ii) Redress Kit for 9.5/8" Secondary Seal Assembly (Seal packing): 02 nos. per set. (iii) Back Pressure Valve 2.1/2" Nom (To installed in within the Tubing Hanger above): 01 no per set. (iv) Casing Valve Removal Plug, Size 1.1/2" LP: 1 no per set. (v) Set of Tool- Circlip Plier or any other suitable tool for removing/installing snap / retainer ring of pilot: 1 no per set. (vi) Set of Allen Keys of suitable sizes for removing / installing outer plug and inner check valve of test port : 1 no per set.</p>	
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SPECIAL NOTES TO BIDDERS PERTAINING TO ITEM NO. 40:

In addition to the existing clauses under Para: BB of Annexure-A of Original Tender document, following clauses shall be also applicable against item no. 40:

- 13.0 Bidder to note that the Tubing Head Spool Assemblies should be forged construction. Tubing Head Spool Assemblies manufactured from Cast steel will not be acceptable.
- 14.0 Supplier must specify the weight of Tubing Head Spool Assemblies indicating the major dimensions.
- 15.0 Bidder should indicate the country of origin and port of dispatch of the Tubing Head Spool Assemblies.
- 16.0 Bidder should categorically confirm in the technical bid for delivery of the materials against item no. 40 within four (06) months from the issuance of Firm Purchase Order.

B. AMENDMENT TO EXISTING SPECIFICATION OF ITEM NOS 10 TO 30

<u>Item Number</u>	<u>Existing Specifications</u>	<u>Amended to read as</u>
10	<p>20 inches Slip Lock Casing Head:</p> <p>Assembly of 20 inches Slip Lock Slip-Type Casing Connection System Casing Head with Hanger Packer (Slip and Seal assembly) as per API Specification 6A (20th edition), Temperature Rating U, Material Class BB, PSL-3, PR-2 comprising of the following. The Casing Head should comprise of two numbers of 52.39 MM (2.1/16 inches) x 3000 psi studded side outlets with API ring groove of RX-24 in the same horizontal plane but in opposite direction.</p> <p>i) CASING SIZE: 508.00 MM (20 inches)</p> <p>ii) CASING CONNECTION SYSTEM: 20 inches Slip Lock Slip-Type with slip segments and dual annular seal having packing arrangement and testing port. The annular seal should be created by means of System Pressure energized FS Casing Seal rated up to 3000 psi, Material: HNBR Elastomers.</p> <p>iii) NOMINAL SIZE: 476.25 MM (18.3/4 inches)</p> <p>iv) MINIMUM DRIFT DIAMETER: 446.21 MM (17.567 inches)</p> <p>v) INTERNAL PRESSURE RATING: 3000 PSI</p> <p>vi) SIZE OF CASING TO HANG AND SEAL: 406.40 MM (16 inches)</p> <p>vii) TOP FLANGE SIZE: 476.25 MM (18.3/4 inches) x 5000 psi.</p> <p>viii) RING GROOVE: Alloy 625 Inlay, BX-163</p>	<p>20 inches Slip Lock, Slip Type Casing Head:</p> <p>Assembly of 20 inches Slip Lock Slip-Type Casing Connection System Casing Head with Hanger Packer (Slip and Seal assembly) as per API Specification 6A (20th edition), Temperature Rating U, Material Class BB, PSL-3, PR-2 comprising of the following. The Casing Head should comprise of two numbers of 52.39 MM (2.1/16 inches) x 3000 psi studded side outlets with API ring groove of RX-24 in the same horizontal plane but in opposite direction.</p> <p>i) CASING SIZE: 508.00 MM (20 inches)</p> <p>ii) CASING CONNECTION SYSTEM: 20 inches Slip Lock Slip-Type with slip segments and dual annular seal having packing arrangement and testing port. The annular seal should be created by means of System Pressure energized FS Casing Seal rated up to 3000 psi, Material: HNBR Elastomers.</p> <p>iii) NOMINAL SIZE: 476.25 MM (18.3/4 inches)</p> <p>iv) MINIMUM DRIFT DIAMETER: 446.21 MM (17.567 inches)</p> <p>v) INTERNAL PRESSURE RATING: 3000 PSI</p> <p>vi) SIZE OF CASING TO HANG AND SEAL: 406.40 MM (16 inches)</p> <p>vii) TOP FLANGE SIZE: 476.25 MM (18.3/4 inches) x 5000 psi with BX-163 Ring Groove</p> <p>viii) RING GROOVE: Alloy 625 Inlay</p>

<p>ix) HEIGHT: 508 MM (20 inches) – Tolerance +/- 2 inches</p> <p>NOTE: The following accessories are also to be provided along with each of the 20 inches Casing Head:</p> <p>I) One Number BOP Test Plug with two sets of extra seals.</p> <p>II) C-22 / WC-22 Casing Hanger to hold / hang and seal 406.40 MM (16 inches) OD, 84 ppf API Casing in the 476.25 MM (18.3/4 inches) x 5000 psi Top flange. Manufactured as per API Specification 6A (20th edition), Temperature Rating U, Material Class AA, PSL-3, PR-2, Pressure Rating: 5000 psi, Minimum Load Rating: 500,000 Lbs – 02 (TWO) Numbers.</p> <p>III) RING JOINT GASKET, RX-24 (Pressure energised for use on type 6B flanges as per API Spec 6A) – 04 (FOUR) Numbers.</p> <p>IV) STUDS WITH NUTS MANUFACTURED AS PER API SPEC 20E: 7/8” x 6” (Alloy steel full threaded stud bolt, material ASTM – A193, Grade B7 or EN19 with two (02) heavy hexagonal nuts, material ASTM – A194, Grade 2H or EN19; Thread designation for stud: 7/8”-8UNC-2A and for nut: 7/8”-8UNC-2B) – 16 (SIXTEEN) Numbers.</p> <p>V) RING JOINT GASKET, BX-163 (Pressure energised for use on type 6BX flanges as per API Spec 6A) – 04 (FOUR) Numbers</p> <p>VI) STUDS WITH NUTS MANUFACTURED AS PER API SPEC 20E: 2” x 18” (Alloy steel full threaded stud bolt, material ASTM – A193, Grade B7 or EN19 with two (02) heavy hexagonal nuts, material ASTM – A194, Grade 2H or EN19; Thread designation for stud: 2”-8UNC-2A and for nut: 2”-8UNC-2B) – 20 (TWENTY) Numbers.</p>	<p>ix) HEIGHT: 660.40 MM (26 inches) – Tolerance +/- 2 inches</p> <p>NOTE: The following accessories are also to be provided along with each of the 20 inches Slip Lock, Slip Type Casing Head:</p> <p>I) One Number BOP Test Plug with two sets of extra seals.</p> <p>II) C-22 / WC-22 Casing Hanger to hold / hang and seal 406.40 MM (16 inches) OD, 84 ppf API Casing in the 476.25 MM (18.3/4 inches) x 5000 psi Top flange. Manufactured as per API Specification 6A (20th edition), Temperature Rating U, Material Class AA, PSL-3, PR-2, Pressure Rating: 5000 psi, Minimum Load Rating: 500,000 Lbs – 02 (TWO) Numbers.</p> <p>III) RING JOINT GASKET, RX-24 (Pressure energised for use on type 6B flanges as per API Spec 6A) – 06 (SIX) Numbers.</p> <p>IV) STUDS WITH NUTS MANUFACTURED AS PER API SPEC 20E: 7/8” x 6” (Alloy steel full threaded stud bolt, material ASTM – A193, Grade B7 or EN19 with two (02) heavy hexagonal nuts, material ASTM – A194, Grade 2H or EN19; Thread designation for stud: 7/8”-8UNC-2A and for nut: 7/8”-8UNC-2B) – 16 (SIXTEEN) Sets.</p> <p>V) RING JOINT GASKET, BX-163 (Pressure energised for use on type 6BX flanges as per API Spec 6A) – 04 (FOUR) Numbers</p> <p>VI) STUDS WITH NUTS MANUFACTURED AS PER API SPEC 20E: 2” x 18” (Alloy steel full threaded stud bolt, material ASTM – A193, Grade B7 or EN19 with two (02) heavy hexagonal nuts, material ASTM – A194, Grade 2H or EN19; Thread designation for stud: 2”-8UNC-2A and for nut: 2”-8UNC-2B) – 20 (TWENTY) Sets.</p>
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20	<p>Casing Spool: 18.3/4 inches x 5000 psi – 18.3/4 inches x 10000 psi</p> <p>Casing Head Spool, full bore opening having Hanger Packer (Slip and Seal assembly) as per API Specification 6A (20th edition), Temperature Rating U, Material Class BB, PSL-3, PR-2 comprising of the following. The Casing Head Spool should comprise of two numbers of 79.38 MM (3.1/8 inches) x 5000 psi flanged side outlets with API ring groove of RX-35 in the same horizontal plane but in opposite direction.</p> <p>i) NOMINAL SIZE: 476.25 MM (18.3/4 inches)</p> <p>ii) MINIMUM DRIFT DIAMETER: 377.19 MM (14.85 inches)</p> <p>iii) INTERNAL PRESSURE RATING: 5000 PSI</p> <p>iv) BOTTOM FLANGE SIZE: 476.25 MM (18.3/4 inches) x 5000 psi with API Ring Groove of BX-163. The flange should have packing arrangement and testing port.</p> <p>v) SIZE OF CASING TO PACK OFF: There should be an arrangement to pack-off 406.40 MM (16 inches) casing.</p> <p>vi) SEALING MECHANISM: System Pressure Energized FS Casing Seal rated up to 5000 psi, Material: HNBR Elastomers.</p> <p>vii) SUITABLE BIT PILOT FOR 406.40 MM (16 inches) CASING</p> <p>viii) TOP FLANGE SIZE: 476.25 MM (18.3/4 inches) x 10000 psi with API Ring Groove of BX-164. The top flange should have preparation for hanger packer mechanism (slip and seal assembly).</p> <p>ix) SIZE OF CASING TO HANG AND SEAL: 298.45 MM (11.3/4 inches)</p>	<p>Casing Spool: 18.3/4 inches x 5000 psi – 18.3/4 inches x 10000 psi</p> <p>Casing Head Spool, full bore opening having Hanger Packer (Slip and Seal assembly) as per API Specification 6A (20th edition), Temperature Rating U, Material Class BB, PSL-3, PR-2 comprising of the following. The Casing Head Spool should comprise of two numbers of 79.38 MM (3.1/8 inches) x 5000 psi flanged side outlets with API ring groove of RX-35 in the same horizontal plane but in opposite direction.</p> <p>i) NOMINAL SIZE: 476.25 MM (18.3/4 inches)</p> <p>ii) MINIMUM DRIFT DIAMETER: 377.19 MM (14.85 inches)</p> <p>iii) INTERNAL PRESSURE RATING: 5000 PSI</p> <p>iv) BOTTOM FLANGE SIZE: 476.25 MM (18.3/4 inches) x 5000 psi with API Ring Groove of BX-163. The flange should have packing arrangement and testing port.</p> <p>v) SIZE OF CASING TO PACK OFF: There should be an arrangement to pack-off 406.40 MM (16 inches) casing.</p> <p>vi) SEALING MECHANISM: System Pressure Energized FS Casing Seal rated up to 5000 psi, Material: HNBR Elastomers.</p> <p>vii) SUITABLE BIT PILOT FOR 406.40 MM (16 inches) CASING</p> <p>viii) TOP FLANGE SIZE: 476.25 MM (18.3/4 inches) x 10000 psi with API Ring Groove of BX-164. The top flange should have preparation for hanger packer mechanism (slip and seal assembly).</p> <p>ix) SIZE OF CASING TO HANG AND SEAL: 298.45 MM (11.3/4 inches)</p>
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<p>x) RING GROOVE: Alloy 625 Inlay</p> <p>x) HEIGHT: 660.40 MM (26 inches) - Tolerance +/- 2 inches</p> <p>NOTE: The following accessories are also to be provided along with each of the 18.3/4 inches x 5000 psi – 18.3/4 inches x 10000 psi Casing Spool:</p> <p>I) One Number BOP Test Plug with two sets of extra seals.</p> <p>II) C-29 / WC-29 Casing Hanger to hold / hang and seal 298.45 MM (11.3/4 inches) OD, 65 ppf API Casing in the 476.25 MM (18.3/4 inches) x 10000 psi Top flange. Manufactured as per API Specification 6A (20th edition), Temperature Rating U, Material Class AA, PSL-3, PR-2, Pressure Rating: 10000 psi, Minimum Load Rating: 800,000 Lbs – 02 (ONE) Numbers.</p> <p>III) RING JOINT GASKET, RX-35 (Pressure energised for use on type 6B flanges as per API Spec 6A) - 04 (FOUR) Numbers</p> <p>IV) STUDS WITH NUTS MANUFACTURED AS PER API SPEC 20E: 1.1/8" x 7.3/4" (Alloy steel full threaded stud bolt, material ASTM - A193, Grade B7 or EN19 with two (02) heavy hexagonal nuts, material ASTM - A194, Grade 2H or EN19; Thread designation for stud: 1.1/8"-8UNC-2A and for nut: 1.1/8"-8UNC-2B) - 16 (SIXTEEN) Numbers.</p> <p>V) RING JOINT GASKET, BX-164 (Pressure energised for use on type 6BX flanges as per API Spec 6A) - 04 (FOUR) Numbers</p> <p>VI) STUDS WITH NUTS MANUFACTURED AS PER API SPEC 20E: 2.1/4" x 23" (Alloy steel full threaded stud bolt, material ASTM - A193, Grade B7 or EN19 with two (02) heavy hexagonal nuts, material ASTM - A194, Grade 2H or EN19; Thread designation for stud: 2.1/4"-8UNC-2A and for nut: 2.1/4"-8UNC-2B) - 24 (TWENTY FOUR) Numbers.</p>	<p>x) ALL RING GROOVES: Alloy 625 Inlay</p> <p>x) HEIGHT: 762.00 MM (30 inches) - Tolerance +/- 2 inches</p> <p>NOTE: The following accessories are also to be provided along with each of the 18.3/4 inches x 5000 psi – 18.3/4 inches x 10000 psi Casing Spool:</p> <p>I) One Number BOP Test Plug with two sets of extra seals.</p> <p>II) C-29 / WC-29 Casing Hanger to hold / hang and seal 298.45 MM (11.3/4 inches) OD, 65 ppf API Casing in the 476.25 MM (18.3/4 inches) x 10000 psi Top flange. Manufactured as per API Specification 6A (20th edition), Temperature Rating U, Material Class AA, PSL-3, PR-2, Pressure Rating: 10000 psi, Minimum Load Rating: 800,000 Lbs – 02 (TWO) Numbers.</p> <p>III) RING JOINT GASKET, RX-35 (Pressure energised for use on type 6B flanges as per API Spec 6A) - 06 (SIX) Numbers</p> <p>IV) STUDS WITH NUTS MANUFACTURED AS PER API SPEC 20E: 1.1/8" x 7.3/4" (Alloy steel full threaded stud bolt, material ASTM - A193, Grade B7 or EN19 with two (02) heavy hexagonal nuts, material ASTM - A194, Grade 2H or EN19; Thread designation for stud: 1.1/8"-8UNC-2A and for nut: 1.1/8"-8UNC-2B) - 16 (SIXTEEN) Sets.</p> <p>V) RING JOINT GASKET, BX-164 (Pressure energised for use on type 6BX flanges as per API Spec 6A) - 04 (FOUR) Numbers</p> <p>VI) STUDS WITH NUTS MANUFACTURED AS PER API SPEC 20E: 2.1/4" x 23" (Alloy steel full threaded stud bolt, material ASTM - A193, Grade B7 or EN19 with two (02) heavy hexagonal nuts, material ASTM - A194, Grade 2H or EN19; Thread designation for stud: 2.1/4"-8UNC-2A and for nut: 2.1/4"-8UNC-2B) - 24 (TWENTY FOUR) Sets.</p>
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30	<p>Casing Spool: 18.3/4 inches x 10000 psi – 13.5/8 inches x 10000 psi</p> <p>Casing Head Spool, full bore opening having Hanger Packer (Slip and Seal assembly) as per API Specification 6A (20th edition), Temperature Rating U, Material Class BB, PSL-3, PR-2 comprising of the following. The Casing Head Spool should comprise of two numbers of 77.79 MM (3.1/16 inches) x 10000 psi flanged side outlets with API ring groove of BX-154 in the same horizontal plane but in opposite direction.</p> <p>i) NOMINAL SIZE: 346.08 MM (13.5/8 inches)</p> <p>ii) MINIMUM DRIFT DIAMETER: 270.51 MM (10.65 inches)</p> <p>iii) INTERNAL PRESSURE RATING: 10000 PSI</p> <p>iv) BOTTOM FLANGE SIZE: 476.25 MM (18.3/4 inches) x 10000 psi with API Ring Groove of BX-164. The flange should have packing arrangement and testing port.</p> <p>v) SIZE OF CASING TO PACK OFF: There should be an arrangement to pack-off 298.45 MM (11.3/4 inches) casing.</p> <p>vi) SEALING MECHANISM: System Pressure Energized FS Casing Seal rated up to 10000 psi, Material: RGD resistant HNBR Elastomers.</p> <p>vii) SUITABLE BIT PILOT FOR 298.45 MM (11.3/4 inches) CASING</p> <p>viii) TOP FLANGE SIZE: 346.08 MM (13.5/8 inches) x 10000 psi with API Ring Groove of BX-159. The top flange should have preparation for hanger packer mechanism (slip and seal assembly).</p> <p>ix) SIZE OF CASING TO HANG AND SEAL: 244.48 MM (9.5/8 inches)</p>	<p>Casing Spool: 18.3/4 inches x 10000 psi – 13.5/8 inches x 10000 psi</p> <p>Casing Head Spool, full bore opening having Hanger Packer (Slip and Seal assembly) as per API Specification 6A (20th edition), Temperature Rating U, Material Class BB, PSL-3, PR-2 comprising of the following. The Casing Head Spool should comprise of two numbers of 77.79 MM (3.1/16 inches) x 10000 psi flanged side outlets with API ring groove of BX-154 in the same horizontal plane but in opposite direction.</p> <p>i) NOMINAL SIZE: 346.08 MM (13.5/8 inches)</p> <p>ii) MINIMUM DRIFT DIAMETER: 270.51 MM (10.65 inches)</p> <p>iii) INTERNAL PRESSURE RATING: 10000 PSI</p> <p>iv) BOTTOM FLANGE SIZE: 476.25 MM (18.3/4 inches) x 10000 psi with API Ring Groove of BX-164. The flange should have packing arrangement and testing port.</p> <p>v) SIZE OF CASING TO PACK OFF: There should be an arrangement to pack-off 298.45 MM (11.3/4 inches) casing.</p> <p>vi) SEALING MECHANISM: System Pressure Energized FS Casing Seal rated up to 10000 psi, Material: RGD resistant HNBR Elastomers.</p> <p>vii) SUITABLE BIT PILOT FOR 298.45 MM (11.3/4 inches) CASING</p> <p>viii) TOP FLANGE SIZE: 346.08 MM (13.5/8 inches) x 10000 psi with API Ring Groove of BX-159. The top flange should have preparation for hanger packer mechanism (slip and seal assembly).</p> <p>ix) SIZE OF CASING TO HANG AND SEAL: 244.48 MM (9.5/8 inches)</p>
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<p>x) RING GROOVE: Alloy 625 Inlay</p> <p>x) HEIGHT: 660.40 MM (26 inches) - Tolerance +/- 2 inches</p> <p>NOTE: The following accessories are also to be provided along with each of the 18.3/4 inches x 10000 psi – 13.5/8 inches x 10000 psi Casing Spool:</p> <p>I) One Number BOP Test Plug with two sets of extra seals.</p> <p>II) C-29 / WC-29 Casing Hanger to hold / hang and seal 244.48 MM (9.5/8 inches), 53.50 ppf API Casing in the 346.08 MM (13.5/8 inches) x 10000 psi Top flange. Manufactured as per API Specification 6A (20th edition), Temperature Rating U, Material Class AA, PSL-3, PR-2, Pressure Rating: 10000 psi, Minimum Load Rating: 1,000,000 Lbs – 02 (ONE) Numbers.</p> <p>III) RING JOINT GASKET, BX-154 (Pressure energised for use on type 6BX flanges as per API Spec 6A) - 04 (FOUR) Numbers</p> <p>IV) STUDS WITH NUTS MANUFACTURED AS PER API SPEC 20E: 1" x 7.1/4" (Alloy steel full threaded stud bolt, material ASTM - A193, Grade B7 or EN19 with two (02) heavy hexagonal nuts, material ASTM - A194, Grade 2H or EN19; Thread designation for stud: 1"-8UNC-2A and for nut: 1"-8UNC-2B) - 16 (SIXTEEN) Numbers.</p> <p>V) RING JOINT GASKET, BX-159 (Pressure energised for use on type 6BX flanges as per API Spec 6A) - 04 (FOUR) Numbers</p> <p>VI) STUDS WITH NUTS MANUFACTURED AS PER API SPEC 20E: 1.7/8" x 17.3/4" (Alloy steel full threaded stud bolt, material ASTM - A193, Grade B7 or EN19 with two (02) heavy hexagonal nuts, material ASTM - A194, Grade 2H or EN19; Thread designation for stud: 1.7/8"-8UNC-2A and for nut: 1.7/8"-8UNC-2B) - 20 (TWENTY) Numbers.</p>	<p>x) ALL RING GROOVES: Alloy 625 Inlay</p> <p>x) HEIGHT: 762.00 MM (30 inches) - Tolerance +/- 2 inches</p> <p>NOTE: The following accessories are also to be provided along with each of the 18.3/4 inches x 10000 psi – 13.5/8 inches x 10000 psi Casing Spool:</p> <p>I) One Number BOP Test Plug with two sets of extra seals.</p> <p>II) C-29 / WC-29 Casing Hanger to hold / hang and seal 244.48 MM (9.5/8 inches), 53.50 ppf API Casing in the 346.08 MM (13.5/8 inches) x 10000 psi Top flange. Manufactured as per API Specification 6A (20th edition), Temperature Rating U, Material Class AA, PSL-3, PR-2, Pressure Rating: 10000 psi, Minimum Load Rating: 1,000,000 Lbs – 02 (TWO) Numbers.</p> <p>III) RING JOINT GASKET, BX-154 (Pressure energised for use on type 6BX flanges as per API Spec 6A) - 06 (SIX) Numbers</p> <p>IV) STUDS WITH NUTS MANUFACTURED AS PER API SPEC 20E: 1" x 7.1/4" (Alloy steel full threaded stud bolt, material ASTM - A193, Grade B7 or EN19 with two (02) heavy hexagonal nuts, material ASTM - A194, Grade 2H or EN19; Thread designation for stud: 1"-8UNC-2A and for nut: 1"-8UNC-2B) - 16 (SIXTEEN) Sets.</p> <p>V) RING JOINT GASKET, BX-159 (Pressure energised for use on type 6BX flanges as per API Spec 6A) - 04 (FOUR) Numbers</p> <p>VI) STUDS WITH NUTS MANUFACTURED AS PER API SPEC 20E: 1.7/8" x 17.3/4" (Alloy steel full threaded stud bolt, material ASTM - A193, Grade B7 or EN19 with two (02) heavy hexagonal nuts, material ASTM - A194, Grade 2H or EN19; Thread designation for stud: 1.7/8"-8UNC-2A and for nut: 1.7/8"-8UNC-2B) - 20 (TWENTY) Sets.</p>
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2) AMENDMENT TO EXISTING CLAUSES & PRICE BID FORMATS:

A) Keeping all other terms & conditions intact as per the original tender document, following existing clauses are being amended to read as under:

Existing Clause ref.	Amended to read as
27.0 of CC of Annexure-A	All the tendered items (item nos. 10 to 40 and quantity as per the tender) shall be procured from a single source for the reason of compatibility. Bidder must quote for all items and evaluation will out accordingly on total value basis.
31.0 of CC of Annexure-A	Bidders are required to submit their price bids strictly as per the revised price bid formats provided vide Revised Appendix -A3
36.0 of CC of Annexure-A	<p>A) <u>When only foreign bidders are involved:</u> The Total Value of Foreign bidder as worked out as per para Revised Appendix-A3 (i) H shall be compared</p> <p>NOTE: *Banking charge in the country of the foreign bidder shall be borne by the bidder. Banking charge 1% for payment through Letter of Credit. And 1.5 % if confirmed LC at buyer’s account is required.</p> <p>B) <u>When only domestic bidders are involved or when more than one domestic bidders are in contention in case of mixed response:</u></p> <p>The Total Value of Domestic bidder as worked out as per para Revised Appendix-A3 (ii) H shall be compared</p> <p>C) <u>When both foreign and domestic bidders are involved:</u> The Total Value of domestic bidder as worked out as per para Revised Appendix-A3 (ii) E above and Total Value of the foreign bidder worked out as per Para Revised Appendix-A3 (i) H above will be compared.</p> <p>Note: If the Government of India revises these evaluation criteria the same as applicable on the bid closing date will be adopted for evaluation of the offers.</p>

B) REVISED APPENDIX –A3**PRICE BID FORMATS****(i) Price Bid Format (SUMMARY) for FOREIGN BIDDERS:**

Name of the Bidder:				
Currency Quoted:				
Item No.	Item Description	Quantity (Nos)	Unit Cost	Total Cost
10	20 inches Slip Lock Casing Head	1		
20	Casing Spool: 18.3/4 inches x 5000 psi – 18.3/4 inches x 10000 psi	1		
30	Casing Spool: 18.3/4 inches x 10000 psi – 13.5/8 inches x 10000 psi	1		
40	Tubing Head Spool Assembly: 13.5/8" X 11"	2		
A	Total Basic Material Value (10+20+30+40)			
B	Packing & FOB charges, if any			
C	FOB Value, A+B			
D	Ocean Freight Charges upto Kolkata			
E	Banking & Insurance, @1.5% of C			
F	CIF Value, C+D+E			
G	IGST @ 5% on F			
H	TOTAL CIF+GST Value, F+G			
I	Gross Weight			
J	Gross Volume			

(ii) Price Bid Format (SUMMARY) for INDIGENOUS BIDDERS:

Name of the Bidder:				
Currency Quoted:				
Item No.	Item Description	Quantity (Nos)	Unit Cost	Total Cost
10	20 inches Slip Lock Casing Head	1		
20	Casing Spool: 18.3/4 inches x 5000 psi – 18.3/4 inches x 10000 psi	1		
30	Casing Spool: 18.3/4 inches x 10000 psi – 13.5/8 inches x 10000 psi	1		
40	Tubing Head Spool Assembly: 13.5/8" X 11"	2		
A	Total Basic Material Value (10+20+30+40)			
B	Packing & Forwarding charges, if any			
C	Total Ex-Works Value, A+B			
D	GST @ 5% on C (against Essentiality Certificate)			
E	Total FOR Despatching Station Value, C+D			
F	Inland Freight Charges upto Duliajan, Assam including GST			
G	Transit Insurance Charges, if any including GST			
H	TOTAL FOR DULIAJAN VALUE, E+F+G			
I	Gross Weight			
J	Gross Volume			
K	Import Content, if any			

3) **Extension of Bid Closing/Opening date, Enhancement of Bid Security amount:**

Revised Bid Closing Date & Time	:	09.10.2019; 11:00 HRS.
Revised Technical Bid Opening Date & Time	:	09.10.2019; 14:00 HRS.
Revised Bid Security Amount	:	INR 4,98,220.00 OR USD 7,050.00