



**AMENDMENT NO. 2 DATED 24.05.2021**  
**TO**  
**SDG6653P22/09 DATED 05.04.2021**

1.0 This Amendment no. 2 dated 24.05.2021 to tender no. SDG6653P22/09 is issued -

(i) For amendment to the tender as per **ANNEXURE – AA** attached. *Accordingly, Annexure – E [BID EVALUATION MATRIX (TECHNICAL)] and Annexure – F [BID EVALUATION MATRIX (BID REJECTION CRITERIA)] have been corrected and revised annexure have been attached.*

(ii) To amend the Bid Closing Date as under -

Description	Existing Date & Time	Extended upto
Bid Closing Date & Time	26.05.2021 (at 11.00 Hrs. IST)	09.06.2021 (at 09.00 Hrs. IST)
Technical Bid Opening Date & Time	26.05.2021 (at 14.00 Hrs. IST)	09.06.2021 (at 09.30 Hrs. IST)

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

Sd/-

(M. B. SINGHA)  
CHIEF MANAGER MATERIALS (FD)  
FOR GENERAL MANAGER – MATERIALS  
FOR RESIDENT CHIEF EXECUTIVE

**ANNEXURE – AA**

**Amendment to Tender No. SDG6653P22/09 dated 05.04.2021 for procurement of 3-1/16" x 10 M, 3-1/8" X 5 M and 2-1/16" x 5M flexible Steel Hose for choke and kill lines.**

Srl. No.	Clause No.	Existing Clause	Amended Clause
1	Clause no. BB, <b>Point 4</b> - General Note to Bidders under Annexure - B	<b>GENERAL NOTE FOR BIDDERS:</b> Markings <del>(including API monogram)</del> shall be done as per API Spec 16C (latest edition) and API Spec. 6A (latest edition).	Markings shall be done as per API Spec 16C (latest edition) and API Spec. 6A (latest edition). <b>API Monogram shall be done as per API Spec 16C (latest edition).</b>
2	Clause no. BB, <b>Point 8</b> - General Note to Bidders under Annexure - B	Bidder should note that in the event of an order the API license 16C for manufacturing the flexible steel hose and API license 6A for manufacturing the flanges <del>along with authorization for API monogramming</del> should be valid, without any break, till execution of purchase order. Bidder to submit valid relevant API certificate along with the supply. Bidder should categorically confirm compliance while quoting.	Bidder should note that in the event of an order the API license 16C for manufacturing the flexible steel hose <b>along with authorization for API monogramming</b> and API license 6A for manufacturing the flanges should be valid, without any break, till execution of purchase order. Bidder to submit valid relevant API certificate along with the supply. Bidder should <b>categorically confirm compliance while quoting.</b>
3	BEC/BRC Clause no. <b>AA (A.1) 4.0</b> (BRC Technical) under Annexure - C	The bidder must keep API licenses along with authorization for API monogram valid till execution of purchase order and must categorically confirm that the offered product will be supplied with API Monogram.	The bidder must keep API licenses along with authorization for API monogram, <b>as applicable</b> , valid till execution of purchase order. and must categorically confirm that the offered product will be supplied with API Monogram, <b>as applicable.</b>
4	BEC/BRC Clause no. <b>AA (A.1) 5.0</b> (BRC Technical) under Annexure - C	In case renewal process of API license is in progress at the time of bidding, the bidder should furnish a letter from API to this effect that renewal of the license is under examination with API and is authorized to manufacture the items as per API license and to use API monogram till the renewal for license is issued. The bidder shall also submit an undertaking that delay in renewal of API certificate shall not affect the stipulated delivery schedule of the tender / purchase order.	In case renewal process of API license is in progress at the time of bidding, the bidder should furnish a letter from API to this effect that renewal of the license is under examination with API and is authorized to manufacture the items as per API license and to use API monogram, <b>as applicable</b> , till the renewal for license is issued. The bidder shall also submit an undertaking that delay in renewal of API certificate shall not affect the stipulated delivery schedule of the tender / purchase order.
5	<b>ITEM NO. 30</b>  <b>2.1/16" x 5M</b> (5000 psi) rating 66 feet Length SS flexible Steel Hose.	<b>TECHNICAL SPECIFICATION</b>  A) FLEXIBLE STAINLESS STEEL HOSE FOR CHOKE AND KILL LINES Conforming to API Spec. 16C, FSL-3 as per the following minimum specifications:  1) Working Pressure : 5,000 PSI (351.53 kg / Cm2) Minimum 2) Test Pressure : 7,500 PSI (527.30 kg / Cm2) Minimum	<b>TECHNICAL SPECIFICATION</b>  A) FLEXIBLE STAINLESS STEEL HOSE FOR CHOKE AND KILL LINES Conforming to API Spec. 16C, FSL-3 as per the following minimum specifications:  1) Working Pressure: 5,000 PSI (351.53 kg / Cm2) Minimum. 2) Test Pressure : 7,500 PSI (527.30 kg / Cm2) Minimum

	<p><b>3) Burst Pressure : 12,500 PSI (878.84 kg / Cm<sup>2</sup>) Minimum</b></p> <p>4) ID: 2 inches (50.80 mm) Minimum</p> <p>5) OD : 4 inches to 5 inches (101.60 mm - 127.00 mm)</p> <p>6) Length : 66 feet. (- 0 / + 2 ft.)</p> <p>7) Service Temp. Range: - 20 Deg. C to 100 Deg. C (Minimum range)</p> <p>8) Minimum Bending Radius: 0.85m (for storage) &amp; 1.25m (In service)</p> <p>9) Weight : Maximum 35.0 kg/m (in air empty)</p> <p>10) End connection : API 2.1/16" x 6B flanged x 5000 psi with RX-24 Stainless Steel / Inconel 625 lined Ring Groove <b>and API 6A monogrammed</b> (both End connectors should be of built-in integral either epoxy coflaxip type, ni-kanigen / nikaflex treated against corrosion or H2S resistant).</p> <p>11) Protection: Full length stainless steel outer wrap for extra mechanical protection.</p> <p>12) Handling: Lifting / handling collar at each end with safety clamps and chains for easier handling.</p> <p>13) Additional Certification: NACE MR0175 latest revision/ISO 15156 FOR THE COUPLINGS AND LLOYD'S FIRE TEST OD/1000/499 FOR THE HOSE (Bidder to categorically confirm compliance of the same).</p> <p>14) High Temperature Exposure/Survival @ 177 Deg C (internal in a kick situation) As Per API 16C B.12.5.2.</p> <p>15) Safety Clamps (2 nos), Lifting Collar Double Eyed (2 nos) and Safety Chain c/w Shackles on Each End (2 nos x 8 ft long) for each unit.</p> <p><b>NOTE:</b> Ends to be terminated with API 2.1/16" x 6B flanges with RX-24 Stainless Steel / Inconel 625 lined Ring Groove <b>and API 6A monogrammed</b>, full length stainless steel outer wrap and lifting collars at each end with safety clamps and chains for easier handling. Ends should be suitably protected to prevent damage during shipment.</p> <p>B) ACCESSORIES FOR THE ABOVE (For each hose):</p> <p>1) Gasket, ring joint RX-24: 10 numbers for each hose.</p> <p>2) Studs with two Hexagonal Nuts, size - 7/8" x 6.1/4", cadmium plated: 32 numbers for each Hose</p> <p>3) Torque Wrenches for item (2) above: 4 numbers for each Hose</p>	<p><b>3) Burst Pressure : 11,250 PSI (790.95 kg / Cm<sup>2</sup>) Minimum</b></p> <p>4) ID : 2 inches (50.80 mm) Minimum</p> <p>5) OD : 4 inches to 5 inches (101.60 mm - 127.00 mm)</p> <p>6) Length : 66 feet. (- 0 / + 2 ft.)</p> <p>7) Service Temp. Range: - 20 Deg. C to 100 Deg. C (Minimum range).</p> <p>8) Minimum Bending Radius: 0.85m (for storage) &amp; 1.25m (In service)</p> <p>9) Weight : Maximum 35.0 kg/m (in air empty)</p> <p>10) End connection : API 2.1/16" x 6B flanged x 5000 psi with RX-24 Stainless Steel / Inconel 625 lined Ring Groove (both End connectors should be of built-in integral either epoxy coflaxip type, ni-kanigen / nikaflex treated against corrosion or H2S resistant).</p> <p>11) Protection: Full length stainless steel outer wrap for extra mechanical protection.</p> <p>12) Handling: Lifting / handling collar at each end with safety clamps and chains for easier handling.</p> <p>13) Additional Certification: NACE MR0175 latest revision/ISO 15156 FOR THE COUPLINGS AND LLOYD'S FIRE TEST OD/1000/499 FOR THE HOSE (Bidder to categorically confirm compliance of the same).</p> <p>14) High Temperature Exposure/Survival @ 177 Deg C (internal in a kick situation) As Per API 16C B.12.5.2.</p> <p>15) Safety Clamps (2 nos), Lifting Collar Double Eyed (2 nos) and Safety Chain c/w Shackles on Each End (2 nos x 8 ft long) for each unit.</p> <p><b>NOTE:</b> Ends to be terminated with API 2.1/16" x 6B flanges with RX-24 Stainless Steel / Inconel 625 lined Ring Groove, full length stainless steel outer wrap and lifting collars at each end with safety clamps and chains for easier handling. Ends should be suitably protected to prevent damage during shipment.</p> <p>B) ACCESSORIES FOR THE ABOVE (For each hose):</p> <p>1) Gasket, ring joint RX-24: 10 numbers for each hose</p> <p>2) Studs with two Hexagonal Nuts, size - 7/8" x 6.1/4", cadmium plated: 32 numbers for each Hose</p> <p>3) Torque Wrenches for item (2) above: 4 numbers for each Hose</p>
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	<p>C) THIRD PARTY INSPECTION</p> <p>1) Bidder is to arrange for Third Party Inspection at manufacturer's plant as per the enclosed broad scope of work. Bidder should confirm that equipment / material supplied by them will be inspected by any of the following third party inspection agencies at their cost and Third Party Inspection Report will be submitted along with the Shipping / Dispatch document. <del>Bidder will quote the charges for such inspection separately and indicate in the priced bid which will be considered for bid evaluation.</del></p> <p>a) Bureau Veritas (BV)  b) Lloyd Register of Shipping  c) Det Norske Veritas (DNV)  d) RITES  e) Indian Register of Shipping (IRS)</p> <p>2) Scope of Third Party Inspection:</p> <p>i) APPLICABLE API STANDARD: API 16C and 6A</p> <p>ii) Broad scope of third party inspection to be as under:</p> <p>a) Stage of inspection: Final stage.  b) Kind of inspection: Review of documents and Visual inspection.  c) Release of inspection note by inspection agency to the manufacturer who will submit the same to Oil India Limited along with dispatch documents.</p> <p>iii) Review of documents to include:</p> <p>a) Manufacturers QA Plan and API qualification certificate.  b) General Assembly drawing.  c) Production Record.  d) Raw Materials and Components Certificate and Test Report (Chemical, Physical, Heat Treatment etc)  e) Product Inspection report.  f) Performance verification test Records as per API 16C and API 6A.</p>	<p>C) THIRD PARTY INSPECTION</p> <p>1) Bidder is to arrange for Third Party Inspection at manufacturer's plant as per the enclosed broad scope of work. Bidder should confirm that equipment / material supplied by them will be inspected by any of the following third party inspection agencies at their cost and Third Party Inspection Report will be submitted along with the Shipping / Dispatch document.</p> <p>a) Bureau Veritas (BV)  b) Lloyd Register of Shipping  c) Det Norske Veritas (DNV)  d) RITES  e) Indian Register of Shipping (IRS)</p> <p>2) Scope of Third Party Inspection:</p> <p>i) APPLICABLE API STANDARD: API 16C and 6A</p> <p>ii) Broad scope of third party inspection to be as under:</p> <p>a) Stage of inspection: Final stage.  b) Kind of inspection: Review of documents and Visual inspection.  c) Release of inspection note by inspection agency to the manufacturer who will submit the same to Oil India Limited along with dispatch documents.</p> <p>iii) Review of documents to include:</p> <p>a) Manufacturers QA Plan and API qualification certificate.  b) General Assembly drawing.  c) Production Record.  d) Raw Materials and Components Certificate and Test Report (Chemical, Physical, Heat Treatment etc)  e) Product Inspection report.  f) Performance verification test Records as per API 16C and API 6A.</p>
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		<p>iv) Visual inspection to include:</p> <ol style="list-style-type: none"> <li>Overall Visual and Dimensional Inspection.</li> <li>Verify the material and components are brand new and recently manufactured.</li> <li>Verify that the item is in accordance with the PO specification and API monogrammed.</li> <li>Witness final testing / performance testing (pressure testing) as per API 16C and API 6A certification and submission of the records.</li> </ol>	<p>iv) Visual inspection to include:</p> <ol style="list-style-type: none"> <li>Overall Visual and Dimensional Inspection.</li> <li>Verify the material and components are brand new and recently manufactured.</li> <li>Verify that the item is in accordance with the PO specification and API monogrammed, as applicable.</li> <li>Witness final testing / performance testing (pressure testing) as per API 16C and API 6A certification and submission of the records.</li> </ol>
6	<p><b>ITEM NO. 40</b></p> <p><b>3.1/16" x 10M</b> (10,000 psi) 66 feet Length SS Flexible Steel Hose.</p>	<p><b>TECHNICAL SPECIFICATION</b></p> <p>A) FLEXIBLE STAINLESS STEEL HOSE FOR CHOKE AND KILL LINES Conforming to API Spec. 16C, FSL-3 as per the following minimum specifications:</p> <ol style="list-style-type: none"> <li>Working Pressure: 10,000 PSI (703.07 kg / Cm<sup>2</sup>) Minimum</li> <li>Test Pressure: 15,000 PSI (1054.60 kg / Cm<sup>2</sup>) Minimum</li> <li>Burst Pressure: 22,500 PSI (1581.91 kg / Cm<sup>2</sup>) Minimum</li> <li>ID: 3 inches (76.20 mm) Minimum</li> <li>OD: 5 inches to 6 inches (127.00 mm - 152.40 mm)</li> <li>Length: 66 feet. (- 0 / + 2 ft.)</li> <li>Service Temp. Range: - 20 Deg. C to 100 Deg. C (Minimum range)</li> <li>Minimum Bending Radius: 0.88m (for storage) &amp; 1.32m (In service)</li> <li>Weight: Maximum 49.9 kg/m (in air empty)</li> <li>End connection: API 3.1/16" x 6BX flanged x 10000 psi with BX-154 Stainless Steel / Inconel 625 lined Ring Groove <del>and API 6A monogrammed</del> (both End connectors should be of built-in integral either epoxy coflaxip type, ni-kanigen / nikaflex treated against corrosion or H2S resistant).</li> <li>Protection: Full length stainless steel outer wrap for extra mechanical protection.</li> <li>Handling: Lifting / handling collar at each end with safety clamps and chains for easier handling.</li> <li>Additional Certification: NACE MR0175 latest revision/ISO 15156 FOR THE COUPLINGS AND LLOYD'S FIRE TEST OD/1000/499 FOR THE HOSE (Bidder to categorically confirm compliance of the same).</li> </ol>	<p><b>TECHNICAL SPECIFICATION</b></p> <p>A) FLEXIBLE STAINLESS STEEL HOSE FOR CHOKE AND KILL LINES Conforming to API Spec. 16C, FSL-3 as per the following minimum specifications:</p> <ol style="list-style-type: none"> <li>Working Pressure: 10,000 PSI (703.07 kg / Cm<sup>2</sup>) Minimum</li> <li>Test Pressure: 15,000 PSI (1054.60 kg / Cm<sup>2</sup>) Minimum</li> <li>Burst Pressure: 22,500 PSI (1581.91 kg / Cm<sup>2</sup>) Minimum</li> <li>ID: 3 inches (76.20 mm) Minimum</li> <li>OD: 5 inches to 6 inches (127.00 mm - 152.40 mm)</li> <li>Length: 66 feet. (- 0 / + 2 ft.)</li> <li>Service Temp. Range: - 20 Deg. C to 100 Deg. C (Minimum range)</li> <li>Minimum Bending Radius: 0.88m (for storage) &amp; 1.32m (In service)</li> <li>Weight: Maximum 49.9 kg/m (in air empty)</li> <li>End connection: API 3.1/16" x 6BX flanged x 10000 psi with BX-154 Stainless Steel / Inconel 625 lined Ring Groove (both End connectors should be of built-in integral either epoxy coflaxip type, ni-kanigen / nikaflex treated against corrosion or H2S resistant).</li> <li>Protection: Full length stainless steel outer wrap for extra mechanical protection.</li> <li>Handling: Lifting / handling collar at each end with safety clamps and chains for easier handling.</li> <li>Additional Certification: NACE MR0175 latest revision/ISO 15156 FOR THE COUPLINGS AND LLOYD'S FIRE TEST OD/1000/499 FOR THE HOSE (Bidder to categorically confirm compliance of the same).</li> </ol>

- 14) High Temperature Exposure/Survival @ 177 Deg C (internal in a kick situation) As Per API 16C B.12.5.2.
- 15) Safety Clamps (2 nos), Lifting Collar Double Eyed (2 nos) and Safety Chain c/w Shackles on Each End (2 nos x 8 ft long) for each unit.

NOTE: Ends to be terminated with API 3.1/16" x 6BX flanges with BX-154 Stainless Steel / Inconel 625 lined Ring Groove and API 6A monogrammed, full length stainless steel outer wrap and lifting collars at each end with safety clamps and chains for easier handling. Ends should be suitably protected to prevent damage during shipment.

B) ACCESSORIES FOR THE ABOVE (For each hose):

- 1) Gasket, ring joint BX-154: 2 numbers for each hose
- 2) Studs with two Hexagonal Nuts, size- 1" x 7.1/4", cadmium plated: 16 numbers for each Hose
- 3) Torque Wrenches for item (2) above: 2 numbers for each Hose

C) THIRD PARTY INSPECTION

- 1) Bidder is to arrange for Third Party Inspection at manufacturer's plant as per the enclosed broad scope of work. Bidder should confirm that equipment / material supplied by them will be inspected by any of the following third party inspection agencies at their cost and Third Party Inspection Report will be submitted along with the Shipping / Dispatch document. Bidder will quote the charges for such inspection separately and indicate in the priced bid which will be considered for bid evaluation.

- a) Bureau Veritas (BV)
- b) Lloyd Register of Shipping
- c) Det Norske Veritas (DNV)
- d) RITES
- e) Indian Register of Shipping (IRS)

D) Scope of Third Party Inspection:

- 14) High Temperature Exposure/Survival @ 177 Deg C (internal in a kick situation) As Per API 16C B.12.5.2.
- 15) Safety Clamps (2 nos), Lifting Collar Double Eyed (2 nos) and Safety Chain c/w Shackles on Each End (2 nos x 8 ft long) for each unit.

NOTE: Ends to be terminated with API 3.1/16" x 6BX flanges with BX-154 Stainless Steel / Inconel 625 lined Ring Groove, full length stainless steel outer wrap and lifting collars at each end with safety clamps and chains for easier handling. Ends should be suitably protected to prevent damage during shipment.

B) ACCESSORIES FOR THE ABOVE (For each hose):

- 1) Gasket, ring joint BX-154: 2 numbers for each hose
- 2) Studs with two Hexagonal Nuts, size- 1" x 7.1/4", cadmium plated: 16 numbers for each Hose
- 3) Torque Wrenches for item (2) above: 2 numbers for each Hose

C) THIRD PARTY INSPECTION

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- a) Bureau Veritas (BV)
- b) Lloyd Register of Shipping
- c) Det Norske Veritas (DNV)
- d) RITES
- e) Indian Register of Shipping (IRS)

2) Scope of Third Party Inspection:

		<ul style="list-style-type: none"> <li>i) APPLICABLE API STANDARD: API 16C and 6A</li> <li>ii) Broad scope of third party inspection to be as under: <ul style="list-style-type: none"> <li>a) Stage of inspection: Final stage.</li> <li>b) Kind of inspection: Review of documents and Visual inspection.</li> <li>c) Release of inspection note by inspection agency to the manufacturer who will submit the same to Oil India Limited along with dispatch documents.</li> </ul> </li> <li>iii) Review of documents to include: <ul style="list-style-type: none"> <li>a) Manufacturers QA Plan and API qualification certificate.</li> <li>b) General Assembly drawing.</li> <li>c) Production Record.</li> <li>d) Raw Materials and Components Certificate and Test Report (Chemical, Physical, Heat Treatment etc)</li> <li>e) Product Inspection report.</li> <li>f) Performance verification test Records as per API 16C and API 6A.</li> </ul> </li> <li>iv) Visual inspection to include: <ul style="list-style-type: none"> <li>a) Overall Visual and Dimensional Inspection.</li> <li>b) Verify the material and components are brand new and recently manufactured.</li> <li>c) Verify that the item is in accordance with the PO specification and API monogrammed.</li> <li>d) Witness final testing / performance testing (pressure testing) as per API 16C and API 6A certification and submission of the records.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>i) APPLICABLE API STANDARD: API 16C and 6A</li> <li>ii) Broad scope of third party inspection to be as under: <ul style="list-style-type: none"> <li>a) Stage of inspection: Final stage.</li> <li>b) Kind of inspection: Review of documents and Visual inspection.</li> <li>c) Release of inspection note by inspection agency to the manufacturer who will submit the same to Oil India Limited along with dispatch documents.</li> </ul> </li> <li>iii) Review of documents to include: <ul style="list-style-type: none"> <li>a) Manufacturers QA Plan and API qualification certificate.</li> <li>b) General Assembly drawing.</li> <li>c) Production Record.</li> <li>d) Raw Materials and Components Certificate and Test Report (Chemical, Physical, Heat Treatment etc)</li> <li>e) Product Inspection report.</li> <li>f) Performance verification test Records as per API 16C and API 6A.</li> </ul> </li> <li>iv) Visual inspection to include: <ul style="list-style-type: none"> <li>a) Overall Visual and Dimensional Inspection.</li> <li>b) Verify the material and components are brand new and recently manufactured.</li> <li>c) Verify that the item is in accordance with the PO specification and API monogrammed, <b>as applicable.</b></li> <li>d) Witness final testing / performance testing (pressure testing) as per API 16C and API 6A certification and submission of the records.</li> </ul> </li> </ul>
7	<p><b>ITEM NO. 10</b></p> <p><b>3.1/16" X 10 M FLEXIBLE STEEL HOSES FOR CHOKE MANIFOLD</b></p>	<p><b>3.1/16" X 10 M FLEXIBLE STEEL HOSES FOR CHOKE MANIFOLD</b></p> <p><b>A) FLEXIBLE STAINLESS STEEL HOSE FOR CHOKE AND KILL LINES conforming to API Spec. 16C, FSL-3 as per the following minimum specifications:</b></p> <ul style="list-style-type: none"> <li>1) Working Pressure: 10,000 PSI (703.07 kg / Cm2) Minimum</li> <li>2) Test Pressure: 15,000 PSI (1054.60 kg / Cm2) Minimum</li> </ul>	<p><b>3.1/16" X 10 M FLEXIBLE STEEL HOSES FOR CHOKE MANIFOLD</b></p> <p><b>A) FLEXIBLE STAINLESS STEEL HOSE FOR CHOKE AND KILL LINES conforming to API Spec. 16C, FSL-3 as per the following minimum specifications:</b></p> <ul style="list-style-type: none"> <li>1) Working Pressure: 10,000 PSI (703.07 kg / Cm2) Minimum</li> <li>2) Test Pressure: 15,000 PSI (1054.60 kg / Cm2) Minimum</li> </ul>

- 3) Burst Pressure: 22,500 PSI (1581.91 kg / Cm2) Minimum
- 4) ID: 3 inches (76.20 mm) Minimum
- 5) OD: 5 inches to 6 inches (127.00 mm - 152.40 mm)
- 6) Length: 66 feet. (- 0 / + 2 ft.)
- 7) Service Temp. Range: - 20 Deg. C to 100 Deg. C (Minimum range)
- 8) Minimum Bending Radius: 0.88m (for storage) & 1.32m (In service)
- 9) Weight: Maximum 49.9 kg/m (in air empty)
- 10) End connection: API 3.1/16" x 6BX flanged x 10000 psi with BX-154 Stainless Steel/Inconel 625 lined Ring Groove and **API 6A monogrammed** (both End connectors should be of built-in integral either epoxy coflaxip type, nikanigen/nikaflex treated against corrosion or H2S resistant).
- 11) Protection: Full length stainless steel outer wrap for extra mechanical protection.
- 12) Handling: Lifting / handling collar at each end with safety clamps and chains for easier handling.
- 13) Additional Certification: NACE MR0175 latest revision/ISO 15156 FOR THE COUPLINGS AND LLOYD'S FIRE TEST OD/1000/499 FOR THE HOSE for Minimum 30 minutes (Bidder to categorically confirm compliance of the same).
- 14) High Temperature Exposure/Survival @ 170 Deg C (internal in a kick situation) as per API 16C 10.5.2.
- 15) Safety Clamps (2 nos), Lifting Collar Double Eyed (2 nos) and Safety Chain c/w Shackles on Each End (2 nos x 8 ft long) for each unit.

NOTE: Ends to be terminated with API 3.1/16" x 6BX flanges with BX-154 Stainless Steel / Inconel 625 lined Ring Groove and **API 6A monogrammed**, full length stainless steel outer wrap and lifting collars at each end with safety clamps and chains for easier handling. Ends should be suitably protected to prevent damage during shipment.

**B) ACCESSORIES FOR THE ABOVE (For each hose):**

- 1) Gasket, ring joint BX-154: 2 numbers for each hose
- 2) Studs with two Hexagonal Nuts, size- 1" x 7.1/4", cadmium plated: 16 numbers for each Hose
- 3) Torque Wrenches for item (2) above: 2 numbers for each Hose

- 3) Burst Pressure: 22,500 PSI (1581.91 kg / Cm2) Minimum
- 4) ID: 3 inches (76.20 mm) Minimum
- 5) OD: 5 inches to 6 inches (127.00 mm - 152.40 mm)
- 6) Length: 66 feet. (- 0 / + 2 ft.)
- 7) Service Temp. Range: - 20 Deg. C to 100 Deg. C (Minimum range)
- 8) Minimum Bending Radius: 0.88m (for storage) & 1.32m (In service)
- 9) Weight: Maximum 49.9 kg/m (in air empty)
- 10) End connection: API 3.1/16" x 6BX flanged x 10000 psi with BX-154 Stainless Steel/Inconel 625 lined Ring Groove and (both End connectors should be of built-in integral either epoxy coflaxip type, nikanigen/nikaflex treated against corrosion or H2S resistant).
- 11) Protection: Full length stainless steel outer wrap for extra mechanical protection.
- 12) Handling: Lifting / handling collar at each end with safety clamps and chains for easier handling.
- 13) Additional Certification: NACE MR0175 latest revision/ISO 15156 FOR THE COUPLINGS AND LLOYD'S FIRE TEST OD/1000/499 FOR THE HOSE for Minimum 30 minutes (Bidder to categorically confirm compliance of the same).
- 14) High Temperature Exposure/Survival @ 170 Deg C (internal in a kick situation) as per API 16C 10.5.2.
- 15) Safety Clamps (2 nos), Lifting Collar Double Eyed (2 nos) and Safety Chain c/w Shackles on Each End (2 nos x 8 ft long) for each unit.

NOTE: Ends to be terminated with API 3.1/16" x 6BX flanges with BX-154 Stainless Steel / Inconel 625 lined Ring Groove and full length stainless steel outer wrap and lifting collars at each end with safety clamps and chains for easier handling. Ends should be suitably protected to prevent damage during shipment.

**B) ACCESSORIES FOR THE ABOVE (For each hose):**

- 1) Gasket, ring joint BX-154: 2 numbers for each hose.
- 2) Studs with two Hexagonal Nuts, size- 1" x 7.1/4", cadmium plated: 16 numbers for each Hose
- 3) Torque Wrenches for item (2) above: 2 numbers for each Hose



	<p><b>C) THIRD PARTY INSPECTION</b></p> <p><b>1)</b> Bidder is to arrange for Third Party Inspection at manufacturer's plant as per the enclosed broad scope of work. Bidder should confirm that equipment / material supplied by them will be inspected by any of the following third party inspection agencies at their cost and Third Party Inspection Report will be submitted along with the Shipping / Dispatch document. <del>Bidder will quote the charges for such inspection separately and indicate in the priced bid which will be considered for bid evaluation.</del></p> <p>a) Bureau Veritas (BV)  b) Lloyd Register of Shipping  c) Det Norske Veritas (DNV)  d) RITES  e) Indian Register of Shipping (IRS)</p> <p>2) Scope of Third Party Inspection:</p> <p>i) APPLICABLE API STANDARD: API 16C and 6A</p> <p>ii) Broad scope of third party inspection to be as under:  a) Stage of inspection: Final stage.  b) Kind of inspection: Review of documents and Visual inspection.  c) Release of inspection note by inspection agency to the manufacturer who will submit the same to Oil India Limited along with dispatch documents.</p> <p>iii) Review of documents to include:  a) Manufacturers QA Plan and API qualification certificate.  b) General Assembly drawing.  c) Production Record.  d) Raw Materials and Components Certificate and Test Report (Chemical, Physical, Heat Treatment etc)  e) Product Inspection report.  f) Performance verification test Records as per API 16C and API 6A.  iv) Visual inspection to include:</p>	<p><b>C) THIRD PARTY INSPECTION</b></p> <p>1) Bidder is to arrange for Third Party Inspection at manufacturer's plant as per the enclosed broad scope of work. Bidder should confirm that equipment / material supplied by them will be inspected by any of the following third party inspection agencies at their cost and Third Party Inspection Report will be submitted along with the Shipping / Dispatch document.</p> <p>a) Bureau Veritas (BV)  b) Lloyd Register of Shipping  c) Det Norske Veritas (DNV)  d) RITES  e) Indian Register of Shipping (IRS)</p> <p>2) Scope of Third Party Inspection:</p> <p>i) APPLICABLE API STANDARD: API 16C and 6A</p> <p>ii) Broad scope of third party inspection to be as under:  a) Stage of inspection: Final stage.  b) Kind of inspection: Review of documents and Visual inspection.  c) Release of inspection note by inspection agency to the manufacturer who will submit the same to Oil India Limited along with dispatch documents.</p> <p>iii) Review of documents to include:  a) Manufacturers QA Plan and API qualification certificate.  b) General Assembly drawing.  c) Production Record.  d) Raw Materials and Components Certificate and Test Report (Chemical, Physical, Heat Treatment etc)  e) Product Inspection report.  f) Performance verification test Records as per API 16C and API 6A.  iv) Visual inspection to include:</p>
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		<ul style="list-style-type: none"> <li>a) Overall Visual and Dimensional Inspection.</li> <li>b) Verify the material and components are brand new and recently manufactured.</li> <li>c) Verify that the item is in accordance with the PO specification and <b>API monogrammed</b>.</li> <li>d) Witness final testing / performance testing (pressure testing) as per API 16C and API 6A certification and submission of the records.</li> </ul>	<ul style="list-style-type: none"> <li>a) Overall Visual and Dimensional Inspection.</li> <li>b) Verify the material and components are brand new and recently manufactured.</li> <li>c) Verify that the item is in accordance with the PO specification and <b>API monogrammed, as applicable</b>.</li> <li>d) Witness final testing / performance testing (pressure testing) as per API 16C and API 6A certification and submission of the records.</li> </ul>
8	<p><b>ITEM NO. 20</b></p> <p><b>3.1/8" X 5 M FLEXIBLE STEEL HOSES FOR CHOKE MANIFOLD</b></p>	<p><b>3.1/8" X 5 M FLEXIBLE STEEL HOSES FOR CHOKE MANIFOLD</b></p> <p><b>A) FLEXIBLE STAINLESS STEEL HOSE FOR CHOKE AND KILL LINES</b>  <b>Conforming to API Spec. 16C, FSL-3 as per the following minimum specifications:</b></p> <ul style="list-style-type: none"> <li>1) Working Pressure: 5,000 PSI (351.53 kg / Cm2) Minimum</li> <li>2) Test Pressure: 7,500 PSI (527.30 kg / Cm2) Minimum</li> <li>3) <b>Burst Pressure: 12,500 PSI (878.84 kg / Cm2) Minimum</b></li> <li>4) ID: 3 inches (76.20 mm) Minimum</li> <li>5) OD: 5 inches to 6 inches (127.00 mm - 152.40 mm)</li> <li>6) Length: 66 feet. (- 0 / + 2 ft.)</li> <li>7) Service Temp. Range: - 20 Deg. C to 100 Deg. C (Minimum range)</li> <li>8) Minimum Bending Radius: 0.83m (for storage) &amp; 1.32m (In service)</li> <li>9) Weight : Maximum 50.0 kg/m (in air empty)</li> <li>10) End connection : API 3.1/8" x 6B flanged x 5000 psi with RX-35 Stainless Steel / Inconel 625 lined Ring Groove and <b>API 6A monogrammed</b> (both End connectors should be of built-in integral either epoxy coflaxip type, ni-kanigen / nikaflex treated against corrosion or H#S resistant).</li> <li>11) Protection: Full length stainless steel outer wrap for extra mechanical protection.</li> <li>12) Handling: Lifting / handling collar at each end with safety clamps and chains for easier handling.</li> <li>13) Additional Certification: NACE MR0175 latest revision/ISO 15156 FOR THE COUPLINGS AND LLOYD'S FIRE TEST OD/1000/499 FOR THE HOSE for Minimum 30 minutes (Bidder to categorically confirm compliance of the same).</li> <li>14) High Temperature Exposure/Survival @ 170 Deg C (internal in a kick</li> </ul>	<p><b>3.1/8" X 5 M FLEXIBLE STEEL HOSES FOR CHOKE MANIFOLD</b></p> <p><b>A) FLEXIBLE STAINLESS STEEL HOSE FOR CHOKE AND KILL LINES</b>  <b>Conforming to API Spec. 16C, FSL-3 as per the following minimum specifications:</b></p> <ul style="list-style-type: none"> <li>1) Working Pressure: 5,000 PSI (351.53 kg / Cm2) Minimum</li> <li>2) Test Pressure: 7,500 PSI (527.30 kg / Cm2) Minimum</li> <li>3) <b>Burst Pressure: 11,250 PSI ( 792.25kg / Cm2) Minimum</b></li> <li>4) ID: 3 inches (76.20 mm) Minimum</li> <li>5) OD: 5 inches to 6 inches (127.00 mm - 152.40 mm)</li> <li>6) Length: 66 feet. (- 0 / + 2 ft.)</li> <li>7) Service Temp. Range: - 20 Deg. C to 100 Deg. C (Minimum range)</li> <li>8) Minimum Bending Radius: 0.83m (for storage) &amp; 1.32m (In service)</li> <li>9) Weight : Maximum 50.0 kg/m (in air empty)</li> <li>10) End connection : API 3.1/8" x 6B flanged x 5000 psi with RX-35 Stainless Steel / Inconel 625 lined Ring Groove and (both End connectors should be of built-in integral either epoxy coflaxip type, ni-kanigen / nikaflex treated against corrosion or H#S resistant).</li> <li>11) Protection: Full length stainless steel outer wrap for extra mechanical protection.</li> <li>12) Handling: Lifting / handling collar at each end with safety clamps and chains for easier handling.</li> <li>13) Additional Certification: NACE MR0175 latest revision/ISO 15156 FOR THE COUPLINGS AND LLOYD'S FIRE TEST OD/1000/499 FOR THE HOSE for Minimum 30 minutes (Bidder to categorically confirm compliance of the same).</li> <li>14) High Temperature Exposure/Survival @ 170 Deg C (internal in a kick</li> </ul>

	<p>situation) as per API 16C 10.5.2.</p> <p>15) Safety Clamps (2 nos), Lifting Collar Double Eyed (2 nos) and Safety Chain c/w Shackles on Each End (2 nos x 8 ft long) for each unit.</p> <p><b>NOTE:</b> Ends to be terminated with API 3.1/8" x 6B flanges with RX-35 Stainless Steel / Inconel 625 lined Ring Groove and <del>API 6A monogrammed</del>, full length stainless steel outer wrap and lifting collars at each end with safety clamps and chains for easier handling. Ends should be suitably protected to prevent damage during shipment.</p> <p><b>B) ACCESSORIES FOR THE ABOVE (For each hose):</b></p> <ol style="list-style-type: none"> <li>1) Gasket, ring joint RX-35: 10 numbers for each hose</li> <li>2) Studs with two Hexagonal Nuts, size - 1.1/8" x 7.3/4", cadmium plated: 32 numbers for each Hose</li> <li>3) Torque Wrenches for item (2) above: 04 numbers for each Hose</li> </ol> <p><b>C) THIRD PARTY INSPECTION</b></p> <p><b>1)</b> Bidder is to arrange for Third Party Inspection at manufacturer's plant as per the enclosed broad scope of work. Bidder should confirm that equipment / material supplied by them will be inspected by any of the following third party inspection agencies at their cost and Third Party Inspection Report will be submitted along with the Shipping / Dispatch document. <del>Bidder will quote the charges for such inspection separately and indicate in the priced bid which will be considered for bid evaluation.</del></p> <ol style="list-style-type: none"> <li>a) Bureau Veritas (BV)</li> <li>b) Lloyd Register of Shipping</li> <li>c) Det Norske Veritas (DNV)</li> <li>d) RITES</li> <li>e) Indian Register of Shipping (IRS)</li> </ol> <p>2) Scope of Third Party Inspection:</p> <ol style="list-style-type: none"> <li>i) APPLICABLE API STANDARD: API 16C and 6A</li> <li>ii) Broad scope of third party inspection to be as under:</li> </ol>	<p>situation) as per API 16C 10.5.2.</p> <p>15) Safety Clamps (2 nos), Lifting Collar Double Eyed (2 nos) and Safety Chain c/w Shackles on Each End (2 nos x 8 ft long) for each unit.</p> <p><b>NOTE:</b> Ends to be terminated with API 3.1/8" x 6B flanges with RX-35 Stainless Steel / Inconel 625 lined Ring Groove and full length stainless steel outer wrap and lifting collars at each end with safety clamps and chains for easier handling. Ends should be suitably protected to prevent damage during shipment.</p> <p><b>B) ACCESSORIES FOR THE ABOVE (For each hose):</b></p> <ol style="list-style-type: none"> <li>1) Gasket, ring joint RX-35: 10 numbers for each hose</li> <li>2) Studs with two Hexagonal Nuts, size - 1.1/8" x 7.3/4", cadmium plated: 32 numbers for each Hose</li> <li>3) Torque Wrenches for item (2) above: 04 numbers for each Hose</li> </ol> <p><b>C) THIRD PARTY INSPECTION</b></p> <p>1) Bidder is to arrange for Third Party Inspection at manufacturer's plant as per the enclosed broad scope of work. Bidder should confirm that equipment / material supplied by them will be inspected by any of the following third party inspection agencies at their cost and Third Party Inspection Report will be submitted along with the Shipping / Dispatch document.</p> <ol style="list-style-type: none"> <li>a) Bureau Veritas (BV)</li> <li>b) Lloyd Register of Shipping</li> <li>c) Det Norske Veritas (DNV)</li> <li>d) RITES</li> <li>e) Indian Register of Shipping (IRS)</li> </ol> <p>2) Scope of Third Party Inspection:</p> <ol style="list-style-type: none"> <li>i) APPLICABLE API STANDARD: API 16C and 6A</li> <li>ii) Broad scope of third party inspection to be as under:</li> </ol>
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		<ul style="list-style-type: none"> <li>a) Stage of inspection: Final stage.</li> <li>b) Kind of inspection: Review of documents and Visual inspection.</li> <li>c) Release of inspection note by inspection agency to the manufacturer who will submit the same to Oil India Limited along with dispatch documents.</li>   <li>iii) Review of documents to include: <ul style="list-style-type: none"> <li>a) Manufacturers QA Plan and API qualification certificate.</li> <li>b) General Assembly drawing.</li> <li>c) Production Record.</li> <li>d) Raw Materials and Components Certificate and Test Report (Chemical, Physical, Heat Treatment etc)</li> <li>e) Product Inspection report.</li> <li>f) Performance verification test Records as per API 16C and API 6A.</li> </ul> </li>   <li>iv) Visual inspection to include: <ul style="list-style-type: none"> <li>a) Overall Visual and Dimensional Inspection.</li> <li>b) Verify the material and components are brand new and recently manufactured.</li> <li>c) Verify that the item is in accordance with the PO specification and <b>API monogrammed.</b></li> <li>d) Witness final testing / performance testing (pressure testing) as per API 16C and API 6A certification and submission of the records.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>a) Stage of inspection: Final stage.</li> <li>b) Kind of inspection: Review of documents and Visual inspection.</li> <li>c) Release of inspection note by inspection agency to the manufacturer who will submit the same to Oil India Limited along with dispatch documents.</li>   <li>iii) Review of documents to include: <ul style="list-style-type: none"> <li>a) Manufacturers QA Plan and API qualification certificate.</li> <li>b) General Assembly drawing.</li> <li>c) Production Record.</li> <li>d) Raw Materials and Components Certificate and Test Report (Chemical, Physical, Heat Treatment etc)</li> <li>e) Product Inspection report.</li> <li>f) Performance verification test Records as per API 16C and API 6A.</li> </ul> </li>   <li>iv) Visual inspection to include: <ul style="list-style-type: none"> <li>a) Overall Visual and Dimensional Inspection.</li> <li>b) Verify the material and components are brand new and recently manufactured.</li> <li>c) Verify that the item is in accordance with the PO specification and <b>API monogrammed, as applicable.</b></li> <li>d) Witness final testing / performance testing (pressure testing) as per API 16C and API 6A certification and submission of the records.</li> </ul> </li> </ul>
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**ANNEXURE – E (REVISED)**

<b>BID EVALUATION MATRIX (TECHNICAL)</b> <b>(TO BE FILLED IN BY BIDDER DULY SIGNED)</b>			
<b>TECHNICAL SPECIFICATIONS</b>			
<b>Item No.</b>		<b>BIDDER’S RESPONSE</b> <b>(Complied / Not</b> <b>Complied/Deviation / Not</b> <b>Applicable)</b>	<b>TO BE FILLED BY THE BIDDER</b>  <b>Relevant Location of their Bid</b> <b>to support the</b> <b>remarks/compliance</b>  <b>(Reference of Document name</b> <b>/ Serial number / Page number</b> <b>of bid for documentary</b> <b>evidence)</b>
<b>10</b>	<p><b>3.1/16” X 10 M FLEXIBLE STEEL HOUSES FOR CHOKE MANIFOLD</b></p> <p><b>A) FLEXIBLE STAINLESS STEEL HOSE FOR CHOKE AND KILL LINES conforming to API Spec. 16C, FSL-3 as per the following minimum specifications:</b></p> <ol style="list-style-type: none"> <li>1) Working Pressure: 10,000 PSI (703.07 kg / Cm2) Minimum</li> <li>2) Test Pressure: 15,000 PSI (1054.60 kg / Cm2) Minimum</li> <li>3) Burst Pressure: 22,500 PSI (1581.91 kg / Cm2) Minimum</li> <li>4) ID: 3 inches (76.20 mm) Minimum</li> <li>5) OD: 5 inches to 6 inches (127.00 mm - 152.40 mm)</li> <li>6) Length: 66 feet. (- 0 / + 2 ft.)</li> <li>7) Service Temp. Range: - 20 Deg. C to 100 Deg. C (Minimum range)</li> <li>8) Minimum Bending Radius: 0.88m (for storage) &amp; 1.32m (In service)</li> <li>9) Weight: Maximum 49.9 kg/m (in air empty)</li> <li>10) End connection: API 3.1/16" x 6BX flanged x 10000 psi with BX-154 Stainless Steel / Inconel 625 lined Ring Groove (both End connectors should be of built-in integral either epoxy coflaxip type, ni-kanigen / nikaflex treated against corrosion or H2S resistant).</li> <li>11) Protection: Full length stainless steel outer wrap for extra mechanical protection.</li> <li>12) Handling: Lifting / handling collar at each end with safety clamps and chains for easier handling.</li> <li>13) Additional Certification: NACE MR0175 latest revision/ISO 15156 FOR THE COUPLINGS AND LLOYD'S FIRE TEST OD/1000/499 FOR THE HOSE for Minimum 30 minutes (Bidder to categorically confirm compliance of the same).</li> </ol>		

	<p>14) High Temperature Exposure/Survival @ 170 Deg C (internal in a kick situation) As Per API 16C 10.5.2.</p> <p>15) Safety Clamps (2 nos), Lifting Collar Double Eyed (2 nos) and Safety Chain c/w Shackles on Each End (2 nos x 8 ft long) for each unit.</p> <p><i>NOTE: Ends to be terminated with API 3.1/16" x 6BX flanges with BX-154 Stainless Steel / Inconel 625 lined Ring Groove, full length stainless steel outer wrap and lifting collars at each end with safety clamps and chains for easier handling. Ends should be suitably protected to prevent damage during shipment.</i></p>		
	<p><b>B) ACCESSORIES FOR THE ABOVE (For each hose):</b></p> <p>1) Gasket, ring joint BX-154: 2 numbers for each hose</p> <p>2) Studs with two Hexagonal Nuts, size- 1" x 7.1/4", cadmium plated: 16 numbers for each Hose</p> <p>3) Torque Wrenches for item (2) above: 2 numbers for each Hose</p>		
	<p><b>C) THIRD PARTY INSPECTION</b></p> <p>1) Bidder is to arrange for Third Party Inspection at manufacturer's plant as per the enclosed broad scope of work. Bidder should confirm that equipment / material supplied by them will be inspected by any of the following third party inspection agencies at their cost and Third Party Inspection Report will be submitted along with the Shipping / Dispatch document.</p> <ul style="list-style-type: none"> <li>a) Bureau Veritas (BV)</li> <li>b) Lloyd Register of Shipping</li> <li>c) Det Norske Veritas (DNV)</li> <li>d) RITES</li> <li>e) Indian Register of Shipping (IRS)</li> </ul> <p>2) Scope of Third Party Inspection:</p> <ul style="list-style-type: none"> <li>i) APPLICABLE API STANDARD: API 16C and 6A</li> <li>ii) Broad scope of third party inspection to be as under: <ul style="list-style-type: none"> <li>a) Stage of inspection: Final stage.</li> <li>b) Kind of inspection: Review of documents and Visual inspection.</li> <li>c) Release of inspection note by inspection agency to the manufacturer who will submit</li> </ul> </li> </ul>		

	<p>the same to Oil India Limited along with dispatch documents.</p> <p>iii) Review of documents to include:</p> <ul style="list-style-type: none"> <li>a) Manufacturers QA Plan and API qualification certificate.</li> <li>b) General Assembly drawing.</li> <li>c) Production Record.</li> <li>d) Raw Materials and Components Certificate and Test Report (Chemical, Physical, Heat Treatment etc)</li> <li>e) Product Inspection report.</li> <li>f) Performance verification test Records as per API 16C and API 6A.</li> </ul> <p>iv) Visual inspection to include:</p> <ul style="list-style-type: none"> <li>a) Overall Visual and Dimensional Inspection.</li> <li>b) Verify the material and components are brand new and recently manufactured.</li> <li>c) Verify that the item is in accordance with the PO specification and API monogrammed, as applicable.</li> <li>d) Witness final testing / performance testing (pressure testing) as per API 16C and API 6A certification and submission of the records.</li> </ul>		
20	<p><b>3.1/8" X 5 M FLEXIBLE STEEL HOSES FOR CHOKE MANIFOLD</b></p> <p>A) <b>FLEXIBLE STAINLESS STEEL HOSE FOR CHOKE AND KILL LINES Conforming to API Spec. 16C, FSL-3 as per the following minimum specifications:</b></p> <ul style="list-style-type: none"> <li>1) Working Pressure: 5,000 PSI (351.53 kg / Cm<sup>2</sup>) Minimum</li> <li>2) Test Pressure: 7,500 PSI (527.30 kg / Cm<sup>2</sup>) Minimum</li> <li>3) <b>Burst Pressure: 11,250 PSI ( 792.25kg / Cm<sup>2</sup>) Minimum</b></li> <li>4) ID: 3 inches (76.20 mm) Minimum</li> <li>5) OD: 5 inches to 6 inches (127.00 mm - 152.40 mm)</li> <li>6) Length: 66 feet. (- 0 / + 2 ft.)</li> <li>7) Service Temp. Range: - 20 Deg. C to 100 Deg. C (Minimum range)</li> <li>8) Minimum Bending Radius: 0.83m (for storage) &amp; 1.32m (In service)</li> <li>9) Weight : Maximum 50.0 kg/m (in air empty)</li> <li>10) End connection : API 3.1/8" x 6B flanged x 5000 psi with RX-35 Stainless Steel / Inconel 625 lined Ring Groove (both End connectors should be of built-in integral either epoxy coflaxip type, ni-kanigen / nikaflex treated against corrosion or H#S resistant).</li> </ul>		

	<p>11) Protection: Full length stainless steel outer wrap for extra mechanical protection.</p> <p>12) Handling: Lifting / handling collar at each end with safety clamps and chains for easier handling.</p> <p>13) Additional Certification: NACE MR0175 latest revision/ISO 15156 FOR THE COUPLINGS AND LLOYD'S FIRE TEST OD/1000/499 FOR THE HOSE for Minimum 30 minutes (Bidder to categorically confirm compliance of the same).</p> <p>14) High Temperature Exposure/Survival @ 170 Deg C (internal in a kick situation) as per API 16C 10.5.2.</p> <p>15) Safety Clamps (2 nos), Lifting Collar Double Eyed (2 nos) and Safety Chain c/w Shackles on Each End (2 nos x 8 ft long) for each unit.</p> <p><b>NOTE:</b> Ends to be terminated with API 3.1/8" x 6B flanges with RX-35 Stainless Steel / Inconel 625 lined Ring Groove, full length stainless steel outer wrap and lifting collars at each end with safety clamps and chains for easier handling. Ends should be suitably protected to prevent damage during shipment.</p>		
	<p>B) ACCESSORIES FOR THE ABOVE (For each hose):</p> <p>1) Gasket, ring joint RX-35: 10 numbers for each hose</p> <p>2) Studs with two Hexagonal Nuts, size - 1.1/8" x 7.3/4", cadmium plated: 32 numbers for each Hose</p> <p>3) Torque Wrenches for item (2) above: 04 numbers for each Hose</p>		
	<p>C) THIRD PARTY INSPECTION</p> <p>1) Bidder is to arrange for Third Party Inspection at manufacturer's plant as per the enclosed broad scope of work. Bidder should confirm that equipment / material supplied by them will be inspected by any of the following third party inspection agencies at their cost and Third Party Inspection Report will be submitted along with the Shipping / Dispatch document.</p> <p>a) Bureau Veritas (BV)</p> <p>b) Lloyd Register of Shipping</p> <p>c) Det Norske Veritas (DNV)</p> <p>d) RITES</p> <p>e) Indian Register of Shipping (IRS)</p> <p>2) Scope of Third Party Inspection:</p> <p>i) APPLICABLE API STANDARD: API 16C and 6A</p> <p>ii) Broad scope of third party inspection to be as under:</p>		



	<ul style="list-style-type: none"> <li>a) Stage of inspection: Final stage.</li> <li>b) Kind of inspection: Review of documents and Visual inspection.</li> <li>c) Release of inspection note by inspection agency to the manufacturer who will submit the same to Oil India Limited along with dispatch documents.</li> </ul> <p>iii) Review of documents to include:</p> <ul style="list-style-type: none"> <li>a) Manufacturers QA Plan and API qualification certificate.</li> <li>b) General Assembly drawing.</li> <li>c) Production Record.</li> <li>d) Raw Materials and Components Certificate and Test Report (Chemical, Physical, Heat Treatment etc)</li> <li>e) Product Inspection report.</li> <li>f) Performance verification test Records as per API 16C and API 6A.</li> </ul> <p>iv) Visual inspection to include:</p> <ul style="list-style-type: none"> <li>a) Overall Visual and Dimensional Inspection.</li> <li>b) Verify the material and components are brand new and recently manufactured.</li> <li>c) Verify that the item is in accordance with the PO specification and API monogrammed, as applicable.</li> <li>d) Witness final testing / performance testing (pressure testing) as per API 16C and API 6A certification and submission of the records.</li> </ul>		
30	<p><b>2.1/16" x 5M FLEXIBLE STEEL HOSES FOR CHOKE MANIFOLD</b></p> <p><b>A) FLEXIBLE STAINLESS STEEL HOSE FOR CHOKE AND KILL LINES Conforming to API Spec. 16C, FSL-3 as per the following minimum specifications:</b></p> <ul style="list-style-type: none"> <li>1) Working Pressure : 5,000 PSI (351.53 kg / Cm2) Minimum</li> <li>2) Test Pressure : 7,500 PSI (527.30 kg / Cm2) Minimum</li> <li>3) <b>Burst Pressure : Burst Pressure : 11,250 PSI (790.95 kg / Cm2) Minimum</b></li> <li>4) ID : 2 inches (50.80 mm) Minimum</li> <li>5) OD : 4 inches to 5 inches (101.60 mm - 127.00 mm)</li> <li>6) Length : 66 feet. (- 0 / + 2 ft.)</li> <li>7) Service Temp. Range: - 20 Deg. C to 100 Deg. C (Minimum range)</li> </ul>		

	<p>8) Minimum Bending Radius: 0.85m (for storage) &amp; 1.25m (In service)</p> <p>9) Weight : Maximum 35.0 kg/m (in air empty)</p> <p>10) End connection : API 2.1/16" x 6B flanged x 5000 psi with RX-24 Stainless Steel / Inconel 625 lined Ring Groove (both End connectors should be of built-in integral either epoxy coflaxip type, ni-kanigen / nikaflex treated against corrosion or H2S resistant).</p> <p>11) Protection: Full length stainless steel outer wrap for extra mechanical protection.</p> <p>12) Handling: Lifting / handling collar at each end with safety clamps and chains for easier handling.</p> <p>13) Additional Certification: NACE MR0175 latest revision/ISO 15156 FOR THE COUPLINGS AND LLOYD'S FIRE TEST OD/1000/499 FOR THE HOSE (Bidder to categorically confirm compliance of the same).</p> <p>14) High Temperature Exposure/Survival @ 177 Deg C (internal in a kick situation) As Per API 16C B.12.5.2.</p> <p>15) Safety Clamps (2 nos.), Lifting Collar Double Eyed (2 nos.) and Safety Chain c/w Shackles on Each End (2 nos. x 8 ft long) for each unit.</p> <p><b>NOTE:</b> Ends to be terminated with API 2.1/16" x 6B flanges with RX-24 Stainless Steel / Inconel 625 lined Ring Groove, full length stainless steel outer wrap and lifting collars at each end with safety clamps and chains for easier handling. Ends should be suitably protected to prevent damage during shipment.</p>		
	<p><b>B) ACCESSORIES FOR THE ABOVE (For each hose):</b></p> <p>1) Gasket, ring joint RX-24: 10 numbers for each hose</p> <p>2) Studs with two Hexagonal Nuts, size - 7/8" x 6.1/4", cadmium plated: 32 numbers for each Hose</p> <p>3) Torque Wrenches for item (2) above: 4 numbers for each Hose</p>		
	<p><b>C) THIRD PARTY INSPECTION</b></p> <p>1) Bidder is to arrange for Third Party Inspection at manufacturer's plant as per the enclosed broad scope of work. Bidder should confirm that equipment / material supplied by them will be inspected by any of the following third party inspection agencies at their cost and Third Party Inspection Report will be submitted along with the Shipping / Dispatch document.</p> <p>a) Bureau Veritas (BV)</p> <p>b) Lloyd Register of Shipping</p> <p>c) Det Norske Veritas (DNV)</p> <p>d) RITES</p> <p>e) Indian Register of Shipping (IRS)</p>		

	<p>2) Scope of Third Party Inspection:</p> <p>i) APPLICABLE API STANDARD: API 16C and 6A</p> <p>ii) Broad scope of third party inspection to be as under:</p> <p>a) Stage of inspection: Final stage.</p> <p>b) Kind of inspection: Review of documents and Visual inspection.</p> <p>c) Release of inspection note by inspection agency to the manufacturer who will submit the same to Oil India Limited along with dispatch documents.</p> <p>iii) Review of documents to include:</p> <p>a) Manufacturers QA Plan and API qualification certificate.</p> <p>b) General Assembly drawing.</p> <p>c) Production Record.</p> <p>d) Raw Materials and Components Certificate and Test Report (Chemical, Physical, Heat Treatment etc)</p> <p>e) Product Inspection report.</p> <p>f) Performance verification test Records as per API 16C and API 6A.</p> <p>iv) Visual inspection to include:</p> <p>a) Overall Visual and Dimensional Inspection.</p> <p>b) Verify the material and components are brand new and recently manufactured.</p> <p>c) Verify that the item is in accordance with the PO specification and API monogrammed.</p> <p>d) Witness final testing / performance testing (pressure testing) as per API 16C and API 6A certification and submission of the records.</p>		
40	<p><b>3.1/16" 10M FLEXIBLE STEEL HOSES FOR CHOKE MANIFOLD</b></p> <p><b>A) FLEXIBLE STAINLESS STEEL HOSE FOR CHOKE AND KILL LINES Conforming to API Spec. 16C, FSL-3 as per the following minimum specifications:</b></p> <p>1) Working Pressure: 10,000 PSI (703.07 kg / Cm<sup>2</sup>) Minimum</p> <p>2) Test Pressure: 15,000 PSI (1054.60 kg / Cm<sup>2</sup>) Minimum</p> <p>3) Burst Pressure: 22,500 PSI (1581.91 kg / Cm<sup>2</sup>) Minimum</p>		

	<p>4) ID: 3 inches (76.20 mm) Minimum  5) OD: 5 inches to 6 inches (127.00 mm - 152.40 mm)  6) Length: 66 feet. (- 0 / + 2 ft.)  7) Service Temp. Range: - 20 Deg. C to 100 Deg. C (Minimum range)  8) Minimum Bending Radius: 0.88m (for storage) &amp; 1.32m (In service)  9) Weight: Maximum 49.9 kg/m (in air empty)  10) End connection: API 3.1/16" x 6BX flanged x 10000 psi with BX-154 Stainless Steel / Inconel 625 lined Ring Groove (both End connectors should be of built-in integral either epoxy coflaxip type, ni-kanigen / nikaflex treated against corrosion or H2S resistant).  11) Protection: Full length stainless steel outer wrap for extra mechanical protection.  12) Handling: Lifting / handling collar at each end with safety clamps and chains for easier handling.  13) Additional Certification: NACE MR0175 latest revision/ISO 15156 FOR THE COUPLINGS AND LLOYD'S FIRE TEST OD/1000/499 FOR THE HOSE (Bidder to categorically confirm compliance of the same).  14) High Temperature Exposure/Survival @ 177 Deg C (internal in a kick situation) As Per API 16C B.12.5.2.  15) Safety Clamps (2 nos), Lifting Collar Double Eyed (2 nos) and Safety Chain c/w Shackles on Each End (2 nos x 8 ft long) for each unit.</p> <p><b>NOTE:</b> Ends to be terminated with API 3.1/16" x 6BX flanges with BX-154 Stainless Steel / Inconel 625 lined Ring Groove, full length stainless steel outer wrap and lifting collars at each end with safety clamps and chains for easier handling. Ends should be suitably protected to prevent damage during shipment.</p>		
	<p><b>B) ACCESSORIES FOR THE ABOVE (For each hose):</b></p> <p>1) Gasket, ring joint BX-154: 2 numbers for each hose  2) Studs with two Hexagonal Nuts, size- 1" x 7.1/4", cadmium plated: 16 numbers for each Hose  3) Torque Wrenches for item (2) above: 2 numbers for each Hose</p>		
	<p><b>C) THIRD PARTY INSPECTION</b></p> <p>1) Bidder is to arrange for Third Party Inspection at manufacturer's plant as per the enclosed broad scope of work. Bidder should confirm that equipment / material supplied by them will be inspected by any of the following third party inspection agencies at their cost and Third Party Inspection Report will be submitted along with the Shipping / Dispatch document.</p> <p>a) Bureau Veritas (BV)</p>		

	<ul style="list-style-type: none"> <li>b) Lloyd Register of Shipping</li> <li>c) Det Norske Veritas (DNV)</li> <li>d) RITES</li> <li>e) Indian Register of Shipping (IRS)</li> </ul> <p>2) Scope of Third Party Inspection:</p> <ul style="list-style-type: none"> <li>i) APPLICABLE API STANDARD: API 16C and 6A</li> <li>ii) Broad scope of third party inspection to be as under: <ul style="list-style-type: none"> <li>a) Stage of inspection: Final stage.</li> <li>b) Kind of inspection: Review of documents and Visual inspection.</li> <li>c) Release of inspection note by inspection agency to the manufacturer who will submit the same to Oil India Limited along with dispatch documents.</li> </ul> </li> <li>iii) Review of documents to include: <ul style="list-style-type: none"> <li>a) Manufacturers QA Plan and API qualification certificate.</li> <li>b) General Assembly drawing.</li> <li>c) Production Record.</li> <li>d) Raw Materials and Components Certificate and Test Report (Chemical, Physical, Heat Treatment etc)</li> <li>e) Product Inspection report.</li> <li>f) Performance verification test Records as per API 16C and API 6A.</li> </ul> </li> <li>iv) Visual inspection to include: <ul style="list-style-type: none"> <li>a) Overall Visual and Dimensional Inspection.</li> <li>b) Verify the material and components are brand new and recently manufactured.</li> <li>c) Verify that the item is in accordance with the PO specification and API monogrammed, as applicable.</li> <li>d) Witness final testing / performance testing (pressure testing) as per API 16C and API 6A certification and submission of the records.</li> </ul> </li> </ul>		
	<b>GENERAL NOTE FOR BIDDERS:</b>		
1	The items shall be brand new, unused & of prime quality. The manufacturer shall warrant (in the event of an order) that the product supplied will be free from all defects & fault in material, workmanship & manufacture and shall be in full conformity with ordered specifications. This clause shall be valid for 18 months from date of shipment / dispatch or 12 months from the date of commissioning of the items,		

	whichever is earlier. The defective materials, if any, rejected by OIL shall be replaced by the supplier at their own expense. Bidders must confirm the same in their quotations		
2	Bidder must provide detailed specifications of the offered product and should forward relevant Catalogue, Drawings with exploded views and Literature (in printed form, not in computer media such as floppies or CDs) indicating the quoted items along with the quotation.		
3	Items shall be manufactured, tested & certified as per latest editions of API Spec. 16C and API Spec 6A for the end flanges. In support of manufacturing the item as per API, the bidder should submit copies of API 16C (Having relevant authorization) certificates with validity covering minimum 05 (five) years continuously preceding the original bid closing date of the tender and valid copy of API 6A.		
4	Markings shall be done as per API Spec 16C (latest edition) and API Spec. 6A (latest edition). API Monogram shall be done as per API Spec 16C (latest edition).		
5	Bidders are to quote for all the items as indicated in the NIT.		
6	The Bidder should indicate the dimensions and weight of the offered items, the country of origin and port of dispatch of the materials.		
7	The flexible hoses shall be tested in accordance with API spec. 16C; including fire and high temperature exposure tests and the flanges shall be tested in accordance with API spec. 6A. In the event of order the supply must include the mill test certificates for each of the items. Bidder should categorically confirm while quoting.		
8	Bidder should note that in the event of an order the API license 16C for manufacturing the flexible steel hose along with authorization for API monogramming and API license 6A for manufacturing the flanges should be valid, without any break, till execution of purchase order. Bidder to submit valid relevant API certificate along with the supply. Bidder should categorically confirm compliance while quoting.		
9	Any deviation(s) from the tender specification should be clearly highlighted specifying justification in support of deviation.		
10	Bidder to sign and submit completely filled up Technical checklist and Technical Evaluation Matrix for Bid evaluation criteria and Technical specification.		

**ANNEXURE – F(REVISED)**

**BID EVALUATION MATRIX (BID REJECTION CRITERIA)  
(TO BE FILLED IN BY BIDDER DULY SIGNED)**

**BID EVALUATION CRITERIA**

Clause Number	DESCRIPTION	BIDDER'S RESPONSE (Complied / Not Complied /Deviation/Not Applicable)	TO BE FILLED BY THE BIDDER  Relevant Location of their Bid to support the remarks / compliance  (Reference of Document name / Serial number / Page number of bid for documentary evidence)
	<p><b><u>BID EVALUATION CRITERIA (BEC)/BID REJECTION CRITERIA (BRC)</u></b></p> <p>The bids shall conform to the specifications and terms &amp; conditions given in the Tender. Bids shall be rejected in case the items offered do not conform to the required parameters stipulated in the technical specifications and to the relevant international/national standards wherever stipulated. Notwithstanding the general conformity of the bids to the stipulated specifications and terms &amp; conditions, the following requirements must be particularly met by the bidders, without which the offer shall be considered as non-responsive and rejected:</p>		
1.0	The bidder should be an <b>Original Equipment Manufacturer (OEM)</b> of the offered item(s), and in the event of order, order shall be issued directly to bidder (OEM) only.		
2.1	The bidder should have an experience of minimum 5 (five) years in manufacturing of the tendered items under API spec. 16C certification preceding the original bid closing date of the tender. Copies of API 16C (Having relevant authorization) certificates for the last 5 (Five) years (i.e. continuous without having any break in between) shall be submitted along with techno - commercial bid. Bids without copies of valid API 16C certificates or with break in between will be rejected.		
2.2.1	<p>The bidder should also have the experience of supplying at least 50% quantity (to be rounded to next higher whole figure) of the tendered items, of same or higher pressure rating and same or higher sizes, to E&amp;P companies / Drilling Contractors / Drilling service providers in the last 5 (five) years preceding the original bid closing date of the tender (either by themselves or through their sole selling agent / distributor / dealer / supply house).</p> <p>Documentary evidence to substantiate supply record should be submitted in the form of copies of relevant Purchase Orders along with copies of any of the documents in respect of satisfactory execution of each of those Purchase Orders, such as:</p>		

	<p>I. Signed and sealed Satisfactory supply / completion / installation report (in original on user's letter head) OR</p> <p>II. Bill of Lading (OR)</p> <p>III. Consignee delivery receipt / challan (OR)</p> <p>IV. Central Excise Gate Pass / Tax Invoice issued under relevant rules of Central Excise / Vat / GST. (OR)</p> <p>V. Commercial Invoice / Payment Invoice.</p> <p><b>Note:</b></p> <p>a) The Purchase Order date need not be within 05 (five) years preceding original bid closing date of this tender. However, the execution of supply should be within 05 (five) years preceding original bid closing date of this tender.</p> <p>b) Original Bid Closing Date shall be considered by OIL for evaluation of BRC Criteria in case of any extension of the original bid closing date.</p> <p>c) Satisfactory supply/completion/installation report should be issued on company's letterhead with signature and stamp. Originals are to be produced for verification on demand of OIL.</p>		
2.2.2	<p>In case, for supplementing manufacturer's supply experience criteria (2.2.1), the manufacturer submits Purchase Order(s) and relevant documents which is through their sole selling agent / distributor / dealer / supply house, then following additional documents are also to be submitted:</p> <p>a) Copies of signed Purchase Order(s) / Contract agreement(s) between the manufacturer and the sole selling agent / distributor / dealer / supply house and copies of any of the following documents in respect of satisfactory execution of each of those Purchase Order(s)/Contract agreement(s).</p> <p>i) Bill of Lading (OR)</p> <p>ii) Commercial Invoice / Payment of Invoice of the OEM (OR)</p> <p>iii) Central Excise Gate Pass/Tax Invoice issued under relevant rules of Central Excise/Vat/GST.</p>		
3.0	The bidder shall categorically confirm that the equipment / products will be tested and certified as per the latest edition of API Spec. 16C.		
4.0	The bidder must keep API licenses along with authorization for API monogram, as applicable, valid till execution of purchase order. and must categorically confirm that the offered product will be supplied		



	with API Monogram, as applicable.		
5.0	In case renewal process of API license is in progress at the time of bidding, the bidder should furnish a letter from API to this effect that renewal of the license is under examination with API and is authorized to manufacture the items as per API license and to use API monogram, as applicable, till the renewal for license is issued. The bidder shall also submit an undertaking that delay in renewal of API certificate shall not affect the stipulated delivery schedule of the tender / purchase order.		
6.0	<b>DELIVERY PERIOD:</b>		
	<b>INDIAN BIDDER: Materials must be despatched within 05 (Five) months from the date of placement of order by OIL.</b> The date of clear LR or C/Note shall be considered as the date of delivery.		
	<b>FOREIGN BIDDER: Materials must delivered on FOB, Port of Shipment basis within 05(five) months from the date of opening of Letter of Credit by OIL.</b> The date of unambiguous Bill of Lading (B/L) shall be considered as the date of delivery.		
	Bids submitted by Bidders quoting delivery period more than the abovementioned duration shall not be accepted. Bidders must categorically confirm the delivery period in their Technical Bid.		