Oil India Limited
(A Govt. of India Enterprise)
P.O. Duliajan – 786602, Assam

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Tender No. & Date: **SDG 4670P18/06 dated: 11.05.2017**

Tender Fee : **INR 6,000.00** OR **USD 100.00**
Bid Security Amount : **INR 76,537.00** OR **USD 1160.00**

Bidding Type : **SINGLE STAGE COMPOSITE BID SYSTEM**

Period of Sale of Bid Documents : **From 05.06.2017 to 12.07.2017 ; 15:30 Hrs(IST)**

Bid Closing on : **19.07.2017(at 11.00 Hrs. IST)**

Bid Opening on : **19.07.2017 (at14.00 Hrs. IST)**

Bid Validity : Bid Should be valid for **90 days** from bid closing date.
Bid Bond Validity : Bid Bond Should be valid up to **20.01.2018**

Performance Guarantee : **Applicable @ 10% of Order value**
Integrity Pact : **Not Applicable**
Attachments : **Annexure-A, B, C & D.**
Note : **If GST is roll-out during the course of execution of the contract then the same will be applicable**

OIL INDIA LIMITED invites Global Tenders for items detailed below:

Item No.	**MATERIAL DESCRIPTION**	**QTY.**	**UOM**
10	MALE CONNECTOR (1/4" X 1/2") 1.0 SCOPE This specification covers the purchaser's requirements (as a	200	Nos.

	minimum) for design, material of construction, marking, testing and supply of high pressure stainless steel ferrule fittings. 2.0 ITEM DESCRIPTION EQUAL TEE Size : ¼ inch NPT (M) X ½ inch OD(T) Material : SS316 3.0 MATERIALS 3.1 Fittings shall be manufactured from the following materials i. Bar stock shall be as ASTM A479 / ASME SA 479. ii. Forgings shall be (Elbows, crosses, and tees.) ASTM A182/ASME SA182. 3.2 Hardness of the fitting should be minimum Rb 90. 3.3 All parts shall be made of SS 316. 3.4 The ferrule material shall be able to withstand an atmosphere of natural gas, oil and Moisture without rusting. 4.0 DESIGN AND MANUFACTURE 4.1 The SS fittings shall be of flare less design and four piece construction, consisting of, front and rear ferrules, nut and body suitable for use on SS316/SS316L seamless tubes conforming to ASTM A269/ ASTM A 213. 4.2 Fittings shall be rated for at least the operating pressure of 200Kg/cm2 of Oil and Gas application. 5.0 TYPE TEST REPORTS & CERTIFICATES The Manufacturer shall provide Valid Type Test Reports for all the following tests mentioned below along with their offer.		

	5.1 Certificate of authorization from ASME, with NPT marking. 5.2 In house test report conforming Helium Leak Tight Integrity, 4 x 10-9 std.cc/sec or 4 x 10-9 atm.cc/sec. 5.3 ISO 9001:2008 certificate. 5.4 ISO 14001 certificate. 5.5 ISO 18001 certificate. 5.6 Wyle Test Report. 5.7 Re-make ability Test should undergo testing conducted to evaluate the performance of the tube fittings after every re-make for 25 such re-makes. 5.8 Type Test Certificates from TUV or ABS or DNV or BV. 6.0 MARKINGS, PACKING AND SHIPMENT 6.1 Material Test Certificate shall be produced along with shipment. 6.2 Heat code traceability number shall be stamped or etched on both nut and ferrules (front and back) of each fitting. 6.3 All items shall be suitably wrapped and packaged to withstand rough handling during shipment and inland journey. 6.4 Items shall be properly tagged and packaged separately to facilitate easy identification. 6.5 Items shall be wrapped and packaged in such a way that they can be preserved in original as new condition. 7.0 WARRANTEE 7.1 The manufacturer shall warrantee that the design, materials, manufacturing and testing of fittings comply with the		

	requirements of this specification and applicable codes and standards. Manufacturer shall replace all fittings, which are defective or fail during field pressure testing or fail to perform satisfactorily due to inadequate engineering, substandard material and workmanship. 7.2 The manufacturer shall warrantee the fittings against any defect, failure or malfunctioning occurring during 12 months from the date of commissioning or 18 months from the date of supply, whichever is earlier.		
20	MALE CONNECTOR (1/4" X 3/8") 1.0 SCOPE This specification covers the purchaser's requirements (as a minimum) for design, material of construction, marking, testing and supply of high pressure stainless steel ferrule fittings. 2.0 ITEM DESCRIPTION EQUAL TEE Size : ¼ inch NPT (M) X 3/8 inch OD(T) Material : SS316 3.0 MATERIALS 3.1 Fittings shall be manufactured from the following materials i. Bar stock shall be as ASTM A479 / ASME SA 479. ii. Forgings shall be (Elbows, crosses, and tees.) ASTM A182/ASME SA182. 3.2 Hardness of the fitting should be minimum Rb 90. 3.3 All parts shall be made of SS 316. 3.4 The ferrule material shall be able to withstand an atmosphere of natural gas, oil and Moisture without rusting. 4.0 DESIGN AND MANUFACTURE 4.1 The SS fittings shall be of flare less design and four piece construction, consisting of, front and rear ferrules, nut and body suitable for use on SS316/SS316L seamless tubes conforming to ASTM A269/ ASTM A 213.	200	Nos.

	4.2 Fittings shall be rated for at least the operating pressure of 200Kg/cm2 of Oil and Gas application. 5.0 TYPE TEST REPORTS & CERTIFICATES The Manufacturer shall provide Valid Type Test Reports for all the following tests mentioned below along with their offer. 5.1 Certificate of authorization from ASME, with NPT marking. 5.2 In house test report conforming Helium Leak Tight Integrity, 4 x 10-9 std.cc/sec or 4 x 10-9 atm.cc/sec. 5.3 ISO 9001:2008 certificate. 5.4 ISO 14001 certificate. 5.5 ISO 18001 certificate. 5.6 Wyle Test Report. 5.7 Re-make ability Test should undergo testing conducted to evaluate the performance of the tube fittings after every re-make for 25 such re-makes. 5.8 Type Test Certificates from TUV or ABS or DNV or BV. 6.0 MARKINGS, PACKING AND SHIPMENT 6.1 Material Test Certificate shall be produced along with shipment. 6.2 Heat code traceability number shall be stamped or etched on both nut and ferrules (front and back) of each fitting. 6.3 All items shall be suitably wrapped and packaged to withstand rough handling during shipment and inland journey. 6.4 Items shall be properly tagged and packaged separately to facilitate easy identification. 6.5 Items shall be wrapped and packaged in such a way that they can be preserved in original as new condition. 7.0 WARRANTEE		

	7.1 The manufacturer shall warrantee that the design, materials, manufacturing and testing of fittings comply with the requirements of this specification and applicable codes and standards. Manufacturer shall replace all fittings, which are defective or fail during field pressure testing or fail to perform satisfactorily due to inadequate engineering, sub standard material and workmanship. 7.2 The manufacturer shall warrantee the fittings against any defect, failure or malfunctioning occurring during 12 months from the date of commissioning or 18 months from the date of supply, whichever is earlier.		
30	FEMALE CONNECTOR (1/2" X 1/2") 1.0 SCOPE This specification covers the purchaser's requirements (as a minimum) for design, material of construction, marking, testing and supply of high pressure stainless steel ferrule fittings. 2.0 ITEM DESCRIPTION EQUAL TEE Size : ½ inch NPT (F) X ½ inch OD(T) Material : SS316 3.0 MATERIALS 3.1 Fittings shall be manufactured from the following materials i. Bar stock shall be as ASTM A479 / ASME SA 479. ii. Forgings shall be (Elbows, crosses, and tees.) ASTM A182/ASME SA182. 3.2 Hardness of the fitting should be minimum Rb 90. 3.3 All parts shall be made of SS 316. 3.4 The ferrule material shall be able to withstand an atmosphere of natural gas, oil and Moisture without rusting. 4.0 DESIGN AND MANUFACTURE 4.1 The SS fittings shall be of flare less design and four piece construction, consisting of, front and rear ferrules, nut and body suitable for use on SS316/SS316L seamless tubes conforming to ASTM A 269/ ASTM A 213. 4.2 Fittings shall be rated for at least the operating pressure of 200 Kg/cm2 of Oil and Gas application.	100	Nos.

	5.0 TYPE TEST REPORTS & CERTIFICATES The Manufacturer shall provide Valid Type Test Reports for all the following tests mentioned below along with their offer. 5.1 Certificate of authorization from ASME, with NPT marking. 5.2 In house test report conforming Helium Leak Tight Integrity, 4 x 10-9 std.cc/sec or 4 x 10-9 atm.cc/sec. 5.3 ISO 9001:2008 certificate. 5.4 ISO 14001 certificate. 5.5 ISO 18001 certificate. 5.6 Wyle Test Report. 5.7 Re-make ability Test should undergo testing conducted to evaluate the performance of the tube fittings after every re-make for 25 such re-makes. 5.8 Type Test Certificates from TUV or ABS or DNV or BV. 6.0 MARKINGS, PACKING AND SHIPMENT 6.1 Material Test Certificate shall be produced along with shipment. 6.2 Heat code traceability number shall be stamped or etched on both nut and ferrules (front and back) of each fitting. 6.3 All items shall be suitably wrapped and packaged to withstand rough handling during shipment and inland journey. 6.4 Items shall be properly tagged and packaged separately to facilitate easy identification. 6.5 Items shall be wrapped and packaged in such a way that they can be preserved in original as new condition. 7.0 WARRANTEE 7.1 The manufacturer shall warrantee that the design, materials, manufacturing and testing of fittings comply with the requirements of this specification and applicable codes and standards. Manufacturer shall replace all fittings, which are defective or fail during field pressure testing or fail to perform satisfactorily due to inadequate engineering, sub standard material and workmanship.		

	7.2 The manufacturer shall warrantee the fittings against any defect, failure or malfunctioning occurring during 12 months from the date of commissioning or 18 months from the date of supply, whichever is earlier.		
40	MALE CONNECTOR (1/4" X 1/4") 1.0 SCOPE This specification covers the purchaser's requirements (as a minimum) for design, material of construction, marking, testing and supply of high pressure stainless steel ferrule fittings. 2.0 ITEM DESCRIPTION EQUAL TEE Size : ¼ inch NPT (M) X ¼ inch OD(T) Material : SS316 3.0 MATERIALS 3.1 Fittings shall be manufactured from the following materials i. Bar stock shall be as ASTM A479 / ASME SA 479. ii. Forgings shall be (Elbows, crosses, and tees.) ASTM A182/ASME SA182. 3.2 Hardness of the fitting should be minimum Rb 90. 3.3 All parts shall be made of SS 316. 3.4 The ferrule material shall be able to withstand an atmosphere of natural gas, oil and Moisture without rusting. 4.0 DESIGN AND MANUFACTURE 4.1 The SS fittings shall be of flare less design and four piece construction, consisting of, front and rear ferrules, nut and body suitable for use on SS316/SS316L seamless tubes conforming to ASTM A 269/ ASTM A 213. 4.2 Fittings shall be rated for at least the operating pressure of 200 Kg/cm2 of Oil and Gas application. 5.0 TYPE TEST REPORTS & CERTIFICATES The Manufacturer shall provide Valid Type Test Reports for all the following tests mentioned below along with their offer. 5.1 Certificate of authorization from ASME, with NPT marking. 5.2 In house test report conforming Helium Leak Tight Integrity, 4 x 10-9 std.cc/sec or 4 x 10-9 atm.cc/sec. 5.3 ISO 9001:2008 certificate. 5.4 ISO 14001 certificate.	300	Nos.

	5.5 ISO 18001 certificate. 5.6 Wyle Test Report. 5.7 Re-make ability Test should undergo testing conducted to evaluate the performance of the tube fittings after every re-make for 25 such re-makes. 5.8 Type Test Certificates from TUV or ABS or DNV or BV. 6.0 MARKINGS, PACKING AND SHIPMENT 6.1 Material Test Certificate shall be produced along with shipment. 6.2 Heat code traceability number shall be stamped or etched on both nut and ferrules (front and back) of each fitting. 6.3 All items shall be suitably wrapped and packaged to withstand rough handling during shipment and inland journey. 6.4 Items shall be properly tagged and packaged separately to facilitate easy identification. 6.5 Items shall be wrapped and packaged in such a way that they can be preserved in original as new condition. 7.0 WARRANTEE 7.1 The manufacturer shall warrantee that the design, materials, manufacturing and testing of fittings comply with the requirements of this specification and applicable codes and standards. Manufacturer shall replace all fittings, which are defective or fail during field pressure testing or fail to perform satisfactorily due to inadequate engineering, sub standard material and workmanship. 7.2 The manufacturer shall warrantee the fittings against any defect, failure or malfunctioning occurring during 12 months from the date of commissioning or 18 months from the date of supply, whichever is earlier.		
50	MALE CONNECTOR (1/2" X 1/2") 1.0 SCOPE This specification covers the purchaser's requirements (as a minimum)for design, material of construction, marking, testing and supply of high pressure stainless steel ferrule fittings. 2.0 ITEM DESCRIPTION EQUAL TEE Size : ½ inch NPT (M) X ½ inch OD(T) Material : SS316	200	Nos.

	3.0 MATERIALS 3.1 Fittings shall be manufactured from the following materials i. Bar stock shall be as ASTM A479 / ASME SA 479. ii. Forgings shall be (Elbows, crosses, and tees.) ASTM A182/ASME SA182. 3.2 Hardness of the fitting should be minimum Rb 90. 3.3 All parts shall be made of SS 316. 3.4 The ferrule material shall be able to withstand an atmosphere of natural gas, oil and Moisture without rusting. 4.0 DESIGN AND MANUFACTURE 4.1 The SS fittings shall be of flare less design and four piece construction, consisting of, front and rear ferrules, nut and body suitable for use on SS316/SS316L seamless tubes conforming to ASTM A 269/ ASTM A 213. 4.2 Fittings shall be rated for at least the operating pressure of 200 Kg/cm2 of Oil and Gas application. 5.0 TYPE TEST REPORTS & CERTIFICATES The Manufacturer shall provide Valid Type Test Reports for all the following tests mentioned below along with their offer. 5.1 Certificate of authorization from ASME, with NPT marking. 5.2 In house test report conforming Helium Leak Tight Integrity, 4 x 10-9 std.cc/sec or 4 x 10-9 atm.cc/sec. 5.3 ISO 9001:2008 certificate. 5.4 ISO 14001 certificate. 5.5 ISO 18001 certificate. 5.6 Wyle Test Report. 5.7 Re-make ability Test should undergo testing conducted to evaluate the performance of the tube fittings after every re-make for 25 such re-makes. 5.8 Type Test Certificates from TUV or ABS or DNV or BV. 6.0 MARKINGS, PACKING AND SHIPMENT 6.1 Material Test Certificate shall be produced along with shipment. 6.2 Heat code traceability number shall be stamped or etched on both nut and ferrules (front and back) of each fitting. 6.3 All items shall be suitably wrapped and packaged to withstand rough handling during shipment and inland journey. 6.4 Items shall be properly tagged and packaged separately to facilitate easy identification. 6.5 Items shall be wrapped and packaged in such a way that they can be preserved in original as new condition.		

	7.0 WARRANTEE 7.1 The manufacturer shall warrantee that the design, materials, manufacturing and testing of fittings comply with the requirements of this specification and applicable codes and standards. Manufacturer shall replace all fittings, which are defective or fail during field pressure testing or fail to perform satisfactorily due to inadequate engineering, sub standard material and workmanship. 7.2 The manufacturer shall warrantee the fittings against any defect, failure or malfunctioning occurring during 12 months from the date of commissioning or 18 months from the date of supply, whichever is earlier.		
60	MALE CONNECTOR (1/8" X 1/4") 1.0 SCOPE This specification covers the purchaser's requirements (as a minimum)for design, material of construction, marking, testing and supply of high pressure stainless steel ferrule fittings. 2.0 ITEM DESCRIPTION EQUAL TEE Size : 1/8 inch NPT (M) X ¼ inch OD(T) Material : SS316 3.0 MATERIALS 3.1 Fittings shall be manufactured from the following materials i. Bar stock shall be as ASTM A479 / ASME SA 479. ii. Forgings shall be (Elbows, crosses, and tees.) ASTM A182/ASME SA182. 3.2 Hardness of the fitting should be minimum Rb 90. 3.3 All parts shall be made of SS 316. 3.4 The ferrule material shall be able to withstand an atmosphere of natural gas, oil and Moisture without rusting. 4.0 DESIGN AND MANUFACTURE 4.1 The SS fittings shall be of flare less design and four piece construction, consisting of, front and rear ferrules, nut and body suitable for use on SS316/SS316L seamless tubes conforming to ASTM A 269/ ASTM A 213. 4.2 Fittings shall be rated for at least the operating pressure of 200 Kg/cm2 of Oil and Gas application. 5.0 TYPE TEST REPORTS & CERTIFICATES	200	Nos.

	The Manufacturer shall provide Valid Type Test Reports for all the following tests mentioned below along with their offer. 5.1 Certificate of authorization from ASME, with NPT marking. 5.2 In house test report conforming Helium Leak Tight Integrity, 4 x 10-9 std.cc/sec or 4 x 10-9 atm.cc/sec. 5.3 ISO 9001:2008 certificate. 5.4 ISO 14001 certificate. 5.5 ISO 18001 certificate. 5.6 Wyle Test Report. 5.7 Re-make ability Test should undergo testing conducted to evaluate the performance of the tube fittings after every re-make for 25 such re-makes. 5.8 Type Test Certificates from TUV or ABS or DNV or BV. 6.0 MARKINGS, PACKING AND SHIPMENT 6.1 Material Test Certificate shall be produced along with shipment. 6.2 Heat code traceability number shall be stamped or etched on both nut and ferrules (front and back) of each fitting. 6.3 All items shall be suitably wrapped and packaged to withstand rough handling during shipment and inland journey. 6.4 Items shall be properly tagged and packaged separately to facilitate easy identification. 6.5 Items shall be wrapped and packaged in such a way that they can be preserved in original as new condition. 7.0 WARRANTEE 7.1 The manufacturer shall warrantee that the design, materials, manufacturing and testing of fittings comply with the requirements of this specification and applicable codes and standards. Manufacturer shall replace all fittings, which are defective or fail during field pressure testing or fail to perform satisfactorily due to inadequate engineering, sub standard material and workmanship. 7.2 The manufacturer shall warrantee the fittings against any defect, failure or malfunctioning occurring during 12 months from the date of commissioning or 18 months from the date of supply, whichever is earlier.		
70	MALE CONNECTOR (1/2" X 1/4") 1.0 SCOPE This specification covers the purchaser's requirements (as a minimum)for design, material of construction, marking, testing and supply of high pressure stainless steel ferrule fittings.	100	Nos.

2.0 ITEM DESCRIPTION
EQUAL TEE
Size : ½ inch NPT (M) X ¼ inch OD(T)
Material : SS316

3.0 MATERIALS
3.1 Fittings shall be manufactured from the following materials
i. Bar stock shall be as ASTM A479 / ASME SA 479.
ii. Forgings shall be (Elbows, crosses, and tees.) ASTM A182/ASME SA182.
3.2 Hardness of the fitting should be minimum Rb 90.
3.3 All parts shall be made of SS 316.
3.4 The ferrule material shall be able to withstand an atmosphere of natural gas, oil and Moisture without rusting.

4.0 DESIGN AND MANUFACTURE
4.1 The SS fittings shall be of flare less design and four piece construction, consisting of, front and rear ferrules, nut and body suitable for use on SS316/SS316L seamless tubes conforming to ASTM A 269/ ASTM A 213.
4.2 Fittings shall be rated for at least the operating pressure of 200 Kg/cm2 of Oil and Gas application.

5.0 TYPE TEST REPORTS & CERTIFICATES
The Manufacturer shall provide Valid Type Test Reports for all the following tests mentioned below along with their offer.
5.1 Certificate of authorization from ASME, with NPT marking.
5.2 In house test report conforming Helium Leak Tight Integrity, 4 x 10-9 std.cc/sec or 4 x 10-9 atm.cc/sec.
5.3 ISO 9001:2008 certificate.
5.4 ISO 14001 certificate.
5.5 ISO 18001 certificate.
5.6 Wyle Test Report.
5.7 Re-make ability Test should undergo testing conducted to evaluate the performance of the tube fittings after every re-make for 25 such re-makes.
5.8 Type Test Certificates from TUV or ABS or DNV or BV.

6.0 MARKINGS, PACKING AND SHIPMENT
6.1 Material Test Certificate shall be produced along with shipment.
6.2 Heat code traceability number shall be stamped or etched on both nut and ferrules (front and back) of each fitting.
6.3 All items shall be suitably wrapped and packaged to

	withstand rough handling during shipment and inland journey. 6.4 Items shall be properly tagged and packaged separately to facilitate easy identification. 6.5 Items shall be wrapped and packaged in such a way that they can be preserved in original as new condition. 7.0 WARRANTEE 7.1 The manufacturer shall warrantee that the design, materials, manufacturing and testing of fittings comply with the requirements of this specification and applicable codes and standards. Manufacturer shall replace all fittings, which are defective or fail during field pressure testing or fail to perform satisfactorily due to inadequate engineering, sub standard material and workmanship. 7.2 The manufacturer shall warrantee the fittings against any defect, failure or malfunctioning occurring during 12 months from the date of commissioning or 18 months from the date of supply, whichever is earlier.		
80	EQUAL TEE 1/2" 1.0 SCOPE This specification covers the purchaser's requirements (as a minimum) for design, material of construction, marking, testing and supply of high pressure stainless steel ferrule fittings. 2.0 ITEM DESCRIPTION EQUAL TEE Size : ½ inch OD Material : SS316 3.0 MATERIALS 3.1 Fittings shall be manufactured from the following materials i. Bar stock shall be as ASTM A479 / ASME SA 479. ii. Forgings shall be (Elbows, crosses, and tees.) ASTM A182/ASME SA182. 3.2 Hardness of the fitting should be minimum Rb 90. 3.3 All parts shall be made of SS 316. 3.4 The ferrule material shall be able to withstand an atmosphere of natural gas, oil and Moisture without rusting. 4.0 DESIGN AND MANUFACTURE 4.1 The SS fittings shall be of flare less design and four piece	200	Nos.

	construction, consisting of, front and rear ferrules, nut and body suitable for use on SS316/SS316L seamless tubes conforming to ASTM A269/ ASTM A 213. 4.2 Fittings shall be rated for at least the operating pressure of 200Kg/cm2 of Oil and Gas application. 5.0 TYPE TEST REPORTS & CERTIFICATES The Manufacturer shall provide Valid Type Test Reports for all the following tests mentioned below along with their offer. 5.1 Certificate of authorization from ASME, with NPT marking. 5.2 In house test report conforming Helium Leak Tight Integrity, 4 x 10-9 std.cc/sec or 4 x 10-9 atm.cc/sec. 5.3 ISO 9001:2008 certificate. 5.4 ISO 14001 certificate. 5.5 ISO 18001 certificate. 5.6 Wyle Test Report. 5.7 Re-make ability Test should undergo testing conducted to evaluate the performance of the tube fittings after every re-make for 25 such re-makes. 5.8 Type Test Certificates from TUV or ABS or DNV or BV. 6.0 MARKINGS, PACKING AND SHIPMENT 6.1 Material Test Certificate shall be produced along with shipment. 6.2 Heat code traceability number shall be stamped or etched on both nut and ferrules (front and back) of each fitting. 6.3 All items shall be suitably wrapped and packaged to withstand rough handling during shipment and inland journey. 6.4 Items shall be properly tagged and packaged separately to facilitate easy identification. 6.5 Items shall be wrapped and packaged in such a way that they can be preserved in original as new condition. 7.0 WARRANTEE 7.1 The manufacturer shall warrantee that the design, materials, manufacturing and testing of fittings comply with the requirements of this specification and applicable codes and standards. Manufacturer shall replace all fittings, which are defective or fail during field pressure testing or fail to perform satisfactorily due to inadequate engineering, sub standard material and workmanship. 7.2 The manufacturer shall warrantee the fittings against any defect, failure or malfunctioning occurring during 12 months		

	from the date of commissioning or 18 months from the date of supply, whichever is earlier.		
90	UNION 1/2" 1.0 SCOPE This specification covers the purchaser's requirements (as a minimum) for design, material of construction, marking, testing and supply of high pressure stainless steel ferrule fittings. 2.0 ITEM DESCRIPTION EQUAL TEE Size : ½ inch OD(T) Material : SS316 3.0 MATERIALS 3.1 Fittings shall be manufactured from the following materials i. Bar stock shall be as ASTM A479 / ASME SA 479. ii. Forgings shall be (Elbows, crosses, and tees.) ASTM A182/ASME SA182. 3.2 Hardness of the fitting should be minimum Rb 90. 3.3 All parts shall be made of SS 316. 3.4 The ferrule material shall be able to withstand an atmosphere of natural gas, oil and Moisture without rusting. 4.0 DESIGN AND MANUFACTURE 4.1 The SS fittings shall be of flare less design and four piece construction, consisting of, front and rear ferrules, nut and body suitable for use on SS316/SS316L seamless tubes conforming to ASTM A269/ ASTM A 213. 4.2 Fittings shall be rated for at least the operating pressure of 200Kg/cm2 of Oil and Gas application. 5.0 TYPE TEST REPORTS & CERTIFICATES The Manufacturer shall provide Valid Type Test Reports for all the following tests mentioned below along with their offer. 5.1 Certificate of authorization from ASME, with NPT marking. 5.2 In house test report conforming Helium Leak Tight Integrity, 4 x 10-9 std.cc/sec or 4 x 10-9 atm.cc/sec. 5.3 ISO 9001:2008 certificate. 5.4 ISO 14001 certificate. 5.5 ISO 18001 certificate.	200	Nos.

	5.6 Wyle Test Report. 5.7 Re-make ability Test should undergo testing conducted to evaluate the performance of the tube fittings after every re-make for 25 such re-makes. 5.8 Type Test Certificates from TUV or ABS or DNV or BV. 6.0 MARKINGS, PACKING AND SHIPMENT 6.1 Material Test Certificate shall be produced along with shipment. 6.2 Heat code traceability number shall be stamped or etched on both nut and ferrules (front and back) of each fitting. 6.3 All items shall be suitably wrapped and packaged to withstand rough handling during shipment and inland journey. 6.4 Items shall be properly tagged and packaged separately to facilitate easy identification. 6.5 Items shall be wrapped and packaged in such a way that they can be preserved in original as new condition. 7.0 WARRANTEE 7.1 The manufacturer shall warrantee that the design, materials, manufacturing and testing of fittings comply with the requirements of this specification and applicable codes and standards. Manufacturer shall replace all fittings, which are defective or fail during field pressure testing or fail to perform satisfactorily due to inadequate engineering, sub standard material and workmanship. 7.2 The manufacturer shall warrantee the fittings against any defect, failure or malfunctioning occurring during 12 months from the date of commissioning or 18 months from the date of supply, whichever is earlier.		
100	UNION 1/4" 1.0 SCOPE This specification covers the purchaser's requirements (as a minimum) for design, material of construction, marking, testing and supply of high pressure stainless steel ferrule fittings. 2.0 ITEM DESCRIPTION EQUAL TEE Size : ¼ inch OD(T) Material : SS316 3.0 MATERIALS	200	Nos.

	3.1 Fittings shall be manufactured from the following materials i. Bar stock shall be as ASTM A479 / ASME SA 479. ii. Forgings shall be (Elbows, crosses, and tees.) ASTM A182/ASME SA182. 3.2 Hardness of the fitting should be minimum Rb 90. 3.3 All parts shall be made of SS 316. 3.4 The ferrule material shall be able to withstand an atmosphere of natural gas, oil and Moisture without rusting. 4.0 DESIGN AND MANUFACTURE 4.1 The SS fittings shall be of flare less design and four piece construction, consisting of, front and rear ferrules, nut and body suitable for use on SS316/SS316L seamless tubes conforming to ASTM A269/ ASTM A 213. 4.2 Fittings shall be rated for at least the operating pressure of 200Kg/cm2 of Oil and Gas application. 5.0 TYPE TEST REPORTS & CERTIFICATES The Manufacturer shall provide Valid Type Test Reports for all the following tests mentioned below along with their offer. 5.1 Certificate of authorization from ASME, with NPT marking. 5.2 In house test report conforming Helium Leak Tight Integrity, 4 x 10-9 std.cc/sec or 4 x 10-9 atm.cc/sec. 5.3 ISO 9001:2008 certificate. 5.4 ISO 14001 certificate. 5.5 ISO 18001 certificate. 5.6 Wyle Test Report. 5.7 Re-make ability Test should undergo testing conducted to evaluate the performance of the tube fittings after every re-make for 25 such re-makes. 5.8 Type Test Certificates from TUV or ABS or DNV or BV. 6.0 MARKINGS, PACKING AND SHIPMENT 6.1 Material Test Certificate shall be produced along with shipment. 6.2 Heat code traceability number shall be stamped or etched on both nut and ferrules (front and back) of each fitting. 6.3 All items shall be suitably wrapped and packaged to withstand rough handling during shipment and inland journey. 6.4 Items shall be properly tagged and packaged separately to facilitate easy identification. 6.5 Items shall be wrapped and packaged in such a way that they can be preserved in original as new condition.		

	7.0 WARRANTEE 7.1 The manufacturer shall warrantee that the design, materials, manufacturing and testing of fittings comply with the requirements of this specification and applicable codes and standards. Manufacturer shall replace all fittings, which are defective or fail during field pressure testing or fail to perform satisfactorily due to inadequate engineering, sub standard material and workmanship. 7.2 The manufacturer shall warrantee the fittings against any defect, failure or malfunctioning occurring during 12 months from the date of commissioning or 18 months from the date of supply, whichever is earlier.		
110	NEEDLE VALVE, ½",SS 1.0 SCOPE This specification covers the purchaser's requirements (as a minimum) for design, material of construction, marking, testing and supply of high pressure stainless steel valves. 2.0 ITEM DESCRIPTION NEEDLE VALVES Front End Connection Size: ½" NPT (F) Back End Connection Size: ½" NPT (F) Material of Construction: Valve: SS 316 Stem: SS 316 as per ASME SA479 / ASTM A 479 Stem Tip: SS 316 as per ASME SA479 / ASTM A 479 Handle: Stainless Steel BAR. Orifice :9.5 mm (approx) Cv :1.8 (approx) 3.0 DESIGN AND MANUFACTURE 3.1 The valve body should be made out of material conforming to ASTM A182/ ASME SA 182 Gr. SS316. 3.2 Valves shall be rated for at least the operating pressure of 200Kg/cm2 of Oil and Gas application. 4.0 TYPE TEST REPORTS & CERTIFICATES 4.1 Certificate of authorization from ASME, with N marking. 4.2 Third party inspection agency like ABS/BV/DNV/TUV/CE/GERMANSCHIER LLOYDS conform body should be ASTM A 182 (Forged Steel) SS316.	50	Nos.

	4.3 ISO 9001:2008 certificate. 4.4 ISO 14001 certificate. 4.5 ISO 18001 certificate. 4.6 In house test report conforming Helium Leak Tight Integrity, 1 x 10-6 std.cc/sec or 1 x 10-6 atm.cc/sec. 5.0 MARKINGS, PACKING AND SHIPMENT 5.1 Material Test Certificate along with pressure test certificate shall be produced along with shipment. 5.2 Heat code traceability number shall be stamped on each valve. 5.3 All items shall be suitably wrapped and packaged to withstand rough handling during shipment and inland journey. 5.4 Items shall be properly tagged and packaged separately to facilitate easy identification. 5.5 Items shall be wrapped and packaged in such a way that they can be preserved in original as new condition. 6.0 GUARANTEE 6.1 The manufacturer shall guarantee that the design, materials, manufacturing and testing of valves comply with the requirements of this specification and applicable codes and standards. Manufacturer shall replace all valves, which are defective or fail during field pressure testing or fail to perform satisfactorily due to inadequate engineering, sub standard material and workmanship. 6.2 The manufacturer shall guarantee the valves against any defect, failure or malfunctioning occurring during 12 months from the date of commissioning or 18 months from the date of supply, whichever is earlier.		
120	NEEDLE VALVE, ¼",SS 1.0 SCOPE This specification covers the purchaser's requirements (as a minimum) for design, material of construction, marking, testing and supply of high pressure stainless steel valves. 2.0 ITEM DESCRIPTION NEEDLE VALVES Front End Connection Size: ¼" NPT (F) Back End Connection Size: ¼" NPT (F) Material of Construction: Valve: SS 316	50	Nos.

	Stem: SS 316 as per ASME SA479 / ASTM A 479 Stem Tip: SS 316 as per ASME SA479 / ASTM A 479 Handle: Stainless Steel BAR. Orifice :6.3 mm (approx) Cv :0.73 (approx) 3.0 DESIGN AND MANUFACTURE 3.1 The valve body should be made out of material conforming to ASTM A182/ ASME SA 182 Gr. SS316. 3.2 Valves shall be rated for at least the operating pressure of 200 Kg/cm2 of Oil and Gas application. 4.0 TYPE TEST REPORTS & CERTIFICATES 4.1 Certificate of authorization from ASME, with N marking. 4.2 Third party inspection agency like ABS/BV/DNV/TUV/CE/GERMANSCHIER/LLOYDS conform body should be ASTM A 182 (Forged Steel) SS316. 4.3 ISO 9001:2008 certificate. 4.4 ISO 14001 certificate. 4.5 ISO 18001 certificate. 4.6 In house test report conforming Helium Leak Tight Integrity, 1 x 10- 6 std.cc/sec or 1 x 10-6 atm.cc/sec. 5.0 MARKINGS, PACKING AND SHIPMENT 5.1 Material Test Certificate along with pressure test certificate shall be produced along with shipment. 5.2 Heat code traceability number shall be stamped on each valve. 5.3 All items shall be suitably wrapped and packaged to withstand rough handling during shipment and inland journey. 5.4 Items shall be properly tagged and packaged separately to facilitate easy identification. 5.5 Items shall be wrapped and packaged in such a way that they can be preserved in original as new condition. 6.0 GUARANTEE 6.1 The manufacturer shall guarantee that the design, materials, manufacturing and testing of valves comply with the requirements of this specification and applicable codes and standards. Manufacturer shall replace all valves, which are defective or fail during field pressure testing or fail to perform satisfactorily due to inadequate engineering, sub standard material and workmanship. 6.2 The manufacturer shall guarantee the valves against any defect, failure or malfunctioning occurring during 12 months		

	from the date of commissioning or 18 months from the date of supply, whichever is earlier.		
130	SS TUBE ½" OD 1.0 SCOPE This specification covers the purchaser's requirements (as a minimum) for design, material of construction, marking, testing and supply of high pressure stainless steel tubes. 2.0 ITEM DESCRIPTION SEAMLESS FULLY ANNEALED SS TUBE Size : ½" OD Material : SS316 Wall thickness : 0.049" 3.0 DESIGN AND MANUFACTURE 3.1 The tubes should be seamless fully annealed, as per ASTM A269. 3.2 Tubes shall be free of scratches, draw marks and with a maximum hardness of 80 Rb. 3.3 Tubes shall be rated for operating pressure of 200 kg/cm2 minimum and shall be suitable for Oil and Gas application. 4.0 PRODUCT TYPE TEST REPORTS & CERTIFICATES Supplier to provide Following test certificates : 4.1 Hardness test: Tubes should be certified as per NACE MR0175 for Hardness. 4.2 Hydraulic test: Hydraulic test should be typically done at 1.5 times the rated pressure. 4.3 Ball test: Final test before delivery shall include ball test to ensure clear opening of the tube for SS tubes. The OD of the ball shall be standard as applicable for ½" OD tubes. 4.4 NDT: Online Eddy Current test on 100% of the tube as per ASTM A450. 4.5 Sample material test certificate from manufacturer confirming hardness of 80Rb. 5.0 SHIPMENT 5.1 The following information shall be marked on the tube. a. Name of the manufacturer b. Type and material grade of tube c. Tube OD and wall thickness. 5.2 Tubes shall be supplied in minimum length of 6 meters without brazing in between. 5.3 The tubes shall be plugged at both ends to avoid entry of	500	M

	any foreign matter. 5.4 All items shall be adequately packed to withstand shipping conditions without damage. 6.0 GUARANTEE 6.1 The manufacturer shall guarantee that the design, materials, manufacturing and testing of fittings comply with the requirements of this specification and applicable codes and standards. Manufacturer shall replace all fittings, which are defective or fail during field pressure testing or fail to perform satisfactorily due to inadequate engineering, sub standard material and workmanship. 6.2 The manufacturer shall guarantee the fittings against any defect, failure or malfunctioning occurring during 12 months from the date of commissioning or 18 months from the date of supply, whichever is earlier.		
140	SS TUBE ¼" OD 1.0 SCOPE This specification covers the purchaser's requirements (as a minimum) for design, material of construction, marking, testing and supply of high pressure stainless steel tubes. 2.0 ITEM DESCRIPTION SEAMLESS FULLY ANNEALED SS TUBE Size : ¼" OD Material : SS316 Wall thickness : 0.035" 3.0 DESIGN AND MANUFACTURE 3.1 The tubes should be seamless fully annealed, as per ASTM A269. 3.2 Tubes shall be free of scratches, draw marks and with a maximum hardness of 80 Rb. 3.3 Tubes shall be rated for operating pressure of 200 kg/cm2 minimum and shall be suitable for Oil and Gas application. 4.0 PRODUCT TYPE TEST REPORTS & CERTIFICATES Supplier to provide Following test certificates : 4.1 Hardness test: Tubes should be certified as per NACE MR0175 for Hardness. 4.2 Hydraulic test: Hydraulic test should be typically done at 1.5 times the rated pressure. 4.3 Ball test: Final test before delivery shall include ball test to ensure clear opening of the tube for SS tubes. The OD of the	500	M

	ball shall be standard as applicable for ¼" OD tubes. 4.4 NDT: Online Eddy Current test on 100% of the tube as per ASTM A450. 4.5 Sample material test certificate from manufacturer confirming hardness of 80Rb. 5.0 SHIPMENT 5.1 The following information shall be marked on the tube. a. Name of the manufacturer b. Type and material grade of tube c. Tube OD and wall thickness. 5.2 Tubes shall be supplied in minimum length of 6 meters without brazing in between. 5.3 The tubes shall be plugged at both ends to avoid entry of any foreign matter. 5.4 All items shall be adequately packed to withstand shipping conditions without damage. 6.0 GUARANTEE 6.1 The manufacturer shall guarantee that the design, materials, manufacturing and testing of fittings comply with the requirements of this specification and applicable codes and standards. Manufacturer shall replace all fittings, which are defective or fail during field pressure testing or fail to perform satisfactorily due to inadequate engineering, sub standard material and workmanship. 6.2 The manufacturer shall guarantee the fittings against any defect, failure or malfunctioning occurring during 12 months from the date of commissioning or 18 months from the date of supply, whichever is earlier.		
150	BALL VALVE, ½",SS 1.0 SCOPE This specification covers the purchaser's requirements (as a minimum) for design, material of construction, marking, testing and supply of high pressure stainless steel valves. 2.0 ITEM DESCRIPTION BALL VALVE Front End Connection Size: ½" NPT (F) Back End Connection Size: ½" NPT (F) Material of Construction: Valve: Stainless Steel (ASTM A 182 Gr SS316)	50	Nos.

	Stem: Stainless Steel (ASTM A 479 Gr SS316/ASME SA 479 SS316) End connector: Stainless Steel (ASTM A 479 Gr SS316/ASME SA 479 SS316) Ball: Stainless Steel SS 316 Seat Material: PEEK Orifice: 9 mm (approx.) Cv: 6.5 (approx.) 3.0 DESIGN AND MANUFACTURE 3.1 The valve body, packing bolt should be made out of material conforming to ASTM A182/ ASME SA182. 3.2 Material of construction of ball should be conforming to ASME SA479/ ASTM A479Gr SS316 3.2 Valves shall be rated for at least the operating pressure of 150 Kg/cm2 of Oil and Gas application. 3.3- Manufacturer should submit API-6D/6A certificate along with offer. 4.0 TYPE TEST REPORTS & CERTIFICATES 4.1 Third party inspection agency like ABS/BV/DNV/TUV/CE/GERMANSCHIER/LLOYDS conform Forged Steel Ball valves in High Pressure Piping System from. 4.2 Each valve should be tested with Nitrogen @1000 psig (69 bar) to max leak rate of 0.1 std cm3/min. 4.3 ISO 9001:2008 certificate. 4.4 ISO 14001 certificate. 4.5 ISO 18001 certificate. 5.0 MARKINGS, PACKING AND SHIPMENT 5.1 Material Test Certificate along with pressure test certificate shall be produced along with shipment. 5.2 Heat code traceability number shall be stamped on each valve. 5.3 All items shall be suitably wrapped and packaged to withstand rough handling during shipment and inland journey. 5.4 Items shall be properly tagged and packaged separately to facilitate easy identification. 5.5 Items shall be wrapped and packaged in such a way that they can be preserved in original as new condition. 6.0 GUARANTEE		

	6.1 The manufacturer shall guarantee that the design, materials, manufacturing and testing of valves comply with the requirements of this specification and applicable codes and standards. Manufacturer shall replace all valves, which are defective or fail during field pressure testing or fail to perform satisfactorily due to inadequate engineering, sub standard material and workmanship. 6.2 The manufacturer shall guarantee the valves against any defect, failure or malfunctioning occurring during 12 months from the date of commissioning or 18 months from the date of supply, whichever is earlier.		
160	SS NIPPLE 1/2" X 2" 1.0 SCOPE This specification covers the purchaser's requirements (as a minimum) for design, material of construction, marking, testing and supply of high pressure stainless steel ferrule fittings. 2.0 ITEM DESCRIPTION EQUAL TEE Size : 1/2 inch NPT (M) X 2 inch Long Material : SS316 3.0 MATERIALS 3.1 Fittings shall be manufactured from the following materials i. Bar stock shall be as ASTM A479 / ASME SA 479. ii. Forgings shall be (Elbows, crosses, and tees.) ASTM A182/ASME SA182. 3.2 Hardness of the fitting should be minimum Rb 90. 3.3 All parts shall be made of SS 316. 3.4 The ferrule material shall be able to withstand an atmosphere of natural gas, oil and Moisture without rusting. 4.0 DESIGN AND MANUFACTURE 4.1 The SS fittings shall be of flare less design and four piece construction, consisting of, front and rear ferrules, nut and body suitable for use on SS316/SS316L seamless tubes conforming to ASTM A 269/ ASTM A 213. 4.2 Fittings shall be rated for at least the operating pressure of 200 Kg/cm2 of Oil and Gas application. 5.0 TYPE TEST REPORTS & CERTIFICATES	200	Nos.

	The Manufacturer shall provide Valid Type Test Reports for all the following tests mentioned below along with their offer. 5.1 Certificate of authorization from ASME, with NPT marking. 5.2 In house test report conforming Helium Leak Tight Integrity, 4 x 10-9 std.cc/sec or 4 x 10-9 atm.cc/sec. 5.3 ISO 9001:2008 certificate. 5.4 ISO 14001 certificate. 5.5 ISO 18001 certificate. 5.6 Wyle Test Report. 5.7 Re-make ability Test should undergo testing conducted to evaluate the performance of the tube fittings after every re-make for 25 such re-makes. 5.8 Type Test Certificates from TUV or ABS or DNV or BV. 6.0 MARKINGS, PACKING AND SHIPMENT 6.1 Material Test Certificate shall be produced along with shipment. 6.2 Heat code traceability number shall be stamped or etched on both nut and ferrules (front and back) of each fitting. 6.3 All items shall be suitably wrapped and packaged to withstand rough handling during shipment and inland journey. 6.4 Items shall be properly tagged and packaged separately to facilitate easy identification. 6.5 Items shall be wrapped and packaged in such a way that they can be preserved in original as new condition. 7.0 WARRANTEE 7.1 The manufacturer shall warrantee that the design, materials, manufacturing and testing of fittings comply with the requirements of this specification and applicable codes and standards. Manufacturer shall replace all fittings, which are defective or fail during field pressure testing or fail to perform satisfactorily due to inadequate engineering, sub standard material and workmanship. 7.2 The manufacturer shall warrantee the fittings against any defect, failure or malfunctioning occurring during 12 months from the date of commissioning or 18 months from the date of supply, whichever is earlier.		
170	BALL VALVE, 1/4",SS 1.0 SCOPE This specification covers the purchaser's requirements (as a minimum) for design, material of construction, marking, testing and supply of high pressure stainless steel valves.	50	Nos.

	2.0 ITEM DESCRIPTION BALL VALVE Front End Connection Size: ½" NPT (F) Back End Connection Size: ½" NPT (F) Material of Construction: Valve: Stainless Steel (ASTM A 182 Gr SS316) Stem: Stainless Steel (ASTM A 479 Gr SS316/ASME SA 479 SS316) End connector: Stainless Steel (ASTM A 479 Gr SS316/ASME SA 479 SS316) Ball: Stainless Steel SS 316 Seat Material: PEEK Orifice: 5 mm (approx.) Cv: 0.84 (approx.) 3.0 DESIGN AND MANUFACTURE 3.1 The valve body, packing bolt should be made out of material conforming to ASTM A182/ ASME SA182. 3.2 Material of construction of ball should be conforming to ASME SA479/ ASTM A479Gr SS316 3.2 Valves shall be rated for at least the operating pressure of 150 Kg/cm2 of Oil and Gas application. 3.3- Manufacturer should submit API-6D/6A certificate along with offer. 4.0 TYPE TEST REPORTS & CERTIFICATES 4.1 Third party inspection agency like ABS/BV/DNV/TUV/CE/GERMANSCHIER LLOYDS conform Forged Steel Ball valves in High Pressure Piping System from. 4.2 Each valve should be tested with Nitrogen @1000 psig (69 bar) to max leak rate of 0.1 std cm3/min. 4.3 ISO 9001:2008 certificate. 4.4 ISO 14001 certificate. 4.5 ISO 18001 certificate. 5.0 MARKINGS, PACKING AND SHIPMENT 5.1 Material Test Certificate along with pressure test certificate shall be produced along with shipment. 5.2 Heat code traceability number shall be stamped on each valve. 5.3 All items shall be suitably wrapped and packaged to withstand rough handling during shipment and inland journey. 5.4 Items shall be properly tagged and packaged separately to facilitate easy identification.		

	5.5 Items shall be wrapped and packaged in such a way that they can be preserved in original as new condition. 6.0 GUARANTEE: 6.1 The manufacturer shall guarantee that the design, materials, manufacturing and testing of valves comply with the requirements of this specification and applicable codes and standards. Manufacturer shall replace all valves, which are defective or fail during field pressure testing or fail to perform satisfactorily due to inadequate engineering, sub standard material and workmanship. 6.2 The manufacturer shall guarantee the valves against any defect, failure or malfunctioning occurring during 12 months from the date of commissioning or 18 months from the date of supply, whichever is earlier.		

(A) General Notes for e-tender :

1. The tender will be governed by "General Terms & Conditions" for e-Procurement as per Booklet No.MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) including Amendment and Addendum.

2. Bid must be submitted electronically only through OIL's e-procurement portal. Bid submitted in any other form will be rejected.

3. Please note that all tender forms and supporting documents are to be submitted through OIL's e-Procurement site only except following documents which are to be submitted manually in sealed envelope super scribed with tender no. and due date to The **DGM- Materials, Materials Department, Oil India Limited, Duliajan- 786602, Assam or before13:00 hrs (IST)** on the Bid Closing Date mentioned in the Tender.

   a) Original Bid Security along with two duplicate copies of Bid Security.

   b) Any other document which have been specified to be submitted in original.

4. Bidders must ensure that their bid is uploaded in the system before the tender closing date and time. Also, they must ensure that above documents which are to be submitted in a sealed envelope are also submitted at the above mentioned address before the bid closing date and time failing which the offer shall be rejected.

5. Bidders are requested to examine all instructions, forms, terms and specifications in the bid. Failure to furnish all information required as per the bid or submission of offers not substantially responsive to the bid in every respect will be at the bidders risk and may result in the rejection of its offer without seeking any clarifications.

7. All the Bids must be Digitally Signed using "Class 3" digital certificate *(e-commerce application)* with organisation names per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India.

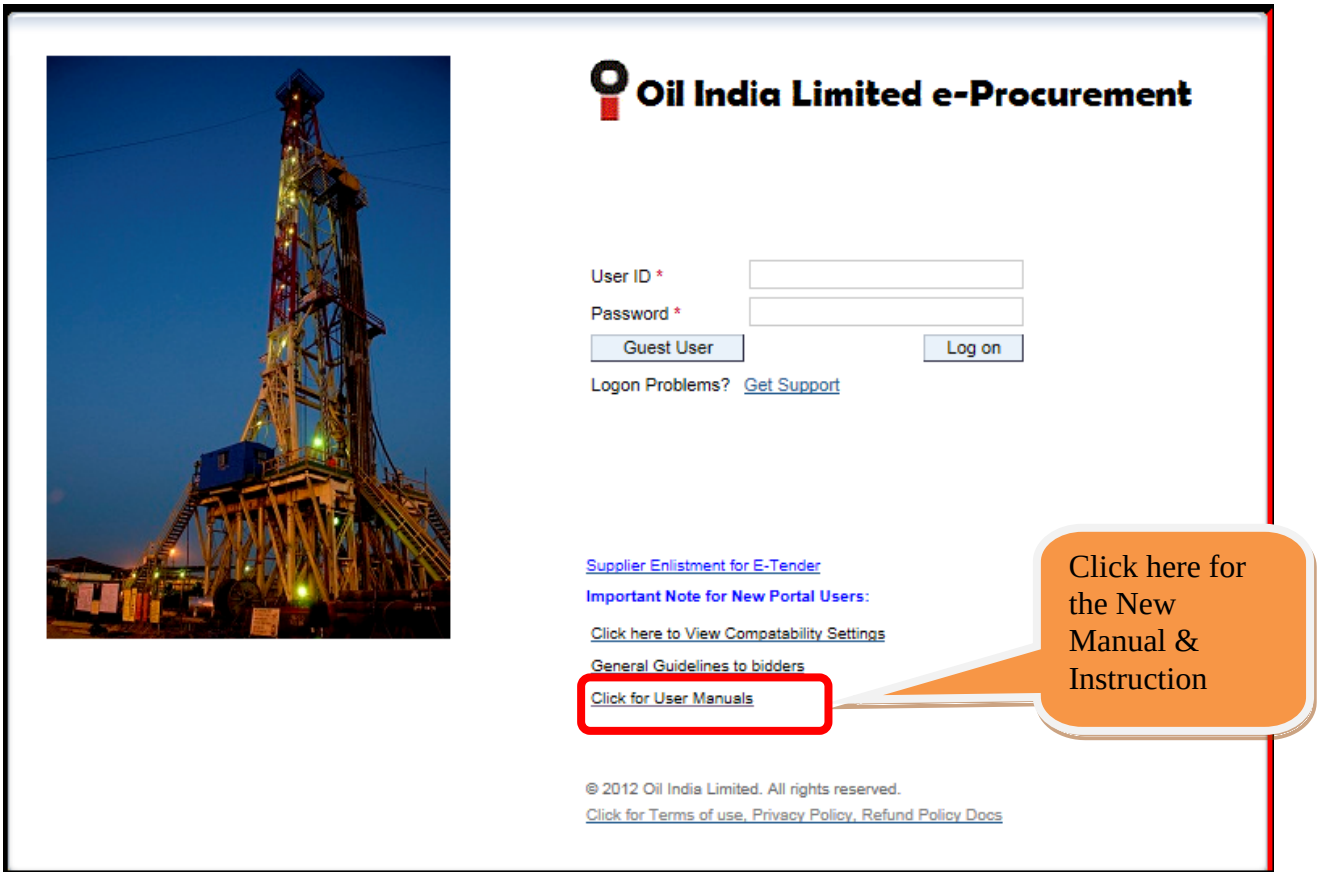
8. Please do refer the User Manual provided on the portal on the procedure How to create Response for submitting offer.

9. The tender is invited under SINGLE STAGE-COMPOSITE BID SYSTEM. The bidder has to submit both the "TECHNO-COMMERCIAL UNPRICED BID" and "PRICED BID" through electronic form in the OIL's e-Tender portal within the Bid Closing Date and Time stipulated in the e-Tender. The "Techno-commercial Unpriced Bid" shall contain all technical and commercial details except the prices which shall be kept blank. Details of prices as per Bid format / Commercial bid to be uploaded as attachment in the Attachment Tab "Notes and Attachments".

   Any offer not complying with above submission procedure will be rejected as per Bid Rejection Criteria mentioned in the tender.

Notes and Attachments	➔ **Only Price Details Should Be Uploaded**
Technical attachments	➔ **All technical bid documents except price details**

Please do refer "NEW INSTRUCTION TO BIDDER FOR SUBMISSION" for the above two points and also please refer " New Vendor Manual (effective 12.0.2017) " available in the login Page of the OIL's E-tender Portal.



9. Payment against Tender Fee should be made only through online mode and no other instrument (Cash/DD/Cheques/Cashier Cheque, etc) will be acceptable.

10. Against Bid Security/EMD/Performance Bank Guarantee – Only payments through online mode or Submission of Bank Guarantee/LC will be acceptable. No DD/Cheques/Cashier Cheque or any other mode will be acceptable.

(B) GENERAL NOTES:

1. Bidder must provide Printed catalogue / product CD/DVD of the offered model no. with proper model de codification & other supporting documents. The technical literature/catalog of the offered model should match with the specification as provided in the NIT, failure to which the offer will be rejected.

2. Bidder shall be original equipment manufacturer or their authorized dealers/agents. In case of dealer/agent, party must submit copy of their valid dealership certificate from OEM, without which the offer shall be rejected.

3. Bidder shall supply warranty certificates along with the supply.

4.1. For Item No:10 to 100 & item no:160: All points against point no. 6.0 of technical specification shall be confirmed at the time of bid submission.

4.2 For Item No:110,120,130,140,150 & 170: All points against point no. 5.0 of technical specification shall be confirmed at the time of bid submission.

(C) SPECIAL NOTES :

1. The items shall be brand new, unused & of prime quality. Bidder 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 despatch/shipment or 12 months from date of receipt of the items at site whichever is earlier. The defective materials, if any, rejected by us shall be replaced by the supplier at their own expenses in F.O.R. destination basis. Bidders must confirm the same while quoting.

2. The minimum FOB/FCA charges in case of partial order for reduced quantity/ items shall have to be indicated by the bidder. In case this is not indicated specifically, the charges quoted would be prorata calculated and the same will be binding on the bidder.

3. Validity of the offers should be 90 days from the date of bid opening. Bids with lesser validity shall be rejected.

4. Quotation must be submitted in triplicate.

5. The items covered by this tender will attract **Custom Duty on merit rate**. Indian bidders are required to quote **NON DEEMED EXPORT** price.

6. Commercial Check-List vide **Annexure- B &** Evaluation matrix vide **Annexure-C & D** shall be filled-up and submitted along with the offer.

7. To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in to must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.

8. Bidders to note that Govt. of India under Micro, Small and Medium Enterprises Development (MSMED) Act 2006, has proclaimed the Public Procurement Policy, 2012 with effect from 1st April, 2012 in respect of procurement of goods and services, produced and provided by micro and small enterprises, by its Ministries, Departments and Public Sector Undertakings for promotion and development of Micro and Small Enterprises. A new Clause on applicability of Public Procurement Policy for procurement of goods from Micro, Small and Medium Enterprises(MSME) in the tender is furnished vide Amendment to General Terms and Conditions for Global Tender (MM/GLOBAL/E-01/2005). Bidders are requested to take note of the same and to submit their offers accordingly.

9. Other terms and conditions of the tender shall be as per "General Terms & Conditions" for e- Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders). However, if any of the Clauses of the Bid Rejection Criteria (BRC) / Bid Evaluation Criteria (BEC) mentioned here contradict the Clauses in the "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) of the tender and/or elsewhere, those mentioned in this BEC / BRC shall prevail.

ANNEXURE- A

BID REJECTION CRITERIA (BRC)/BID EVALUATION CRITERIA (BEC)

I. BID EVALUATION CRITERIA –TECHNICAL

The bids shall broadly conform to the specifications and terms and conditions given in this bid document. Bids shall be rejected in case the items offered do not conform to required parameters stipulated in the technical specifications and to the respective international/national standards wherever stipulated. Notwithstanding the general conformity of the bids to the stipulated specifications and terms and conditions, the following requirements will have to be particularly met by the Bidders without which the same will be considered as non-responsive and rejected.

A) TECHNICAL:

1.0 BRC /BEC (Technical) - Qualification

1.1 The bidder shall be an Original Equipment Manufacturer (OEM) of the tendered item(s)

OR

1.2 an authorized agent / dealer / distributor / supply house of an OEM of the tendered item(s) having valid authorization letter / dealership certificate with warranty/ guarantee back up from the principal (OEM). Copy of authorization letter / dealership certificate with warranty/ guarantee back up from the principal (OEM) shall be submitted along with the technical bid.

2.0 BRC/BEC (Technical) - Experience

2.1 The bidder shall have experience of successful execution of past supply for minimum 50% quantity (to be rounded off to next higher integer) of each tender item of same or higher specification as specified in the tender in last 5 years preceding the original bid closing date of the tender, to any Oil & Gas Industry or service provider to an E&P company.

2.2 The bidder shall submit documents in support of his previous supply experience as applicable under clause 2.1 as follows:

(i) Copy(ies) of Purchase Order(s)/Contract document(s),And

(ii) Any one or combination of the following documents that confirms the successful execution of each of the purchase order(s) / contract(s) -

- Completion report / performance certificate from the clients,
- Bill of lading,
- Delivery challan / invoice etc.
- any other documentary evidence that can substantiate the successful execution of each of the Purchase Order(s) / contract(s) cited above.

3. The bidder should categorically confirm in the technical bid that the tendered items will be supplied within 6 months from the placement of P.O or establishment of Letter of Credit, failing which their offer will be rejected.

4.0 **Financial Criteria**:

4.1 **Annual Turnover**:The bidder shall have an annual financial turnover of minimum **US$ 28,991.00 or Rs.19,13,425.00** during any of the preceding 03 (three) financial years reckoned from the original bid closing date of the tender.

4.2 "Net Worth" of the bidder should be positive for the preceding financial/accounting year.

4.3 Considering the time required for preparation of Financial Statements, if the last date of preceding financial / accounting year falls within the preceding six months reckoned from the original bid closing date and the Financial Statements of the preceding financial / accounting year are not available with the bidder, then the financial turnover of the previous three financial / accounting years excluding the preceding financial / accounting year will be considered. In such cases, the Net worth of the previous financial / accounting year excluding the preceding financial / accounting year will be considered. However, the bidder has to submit an affidavit/undertaking certifying that 'the balance sheet/Financial Statements for the financial year..... (As the case may be) has actually not been audited so far'.

Note: For proof of Annual Turnover & Net worth any one of the following document must be submitted along with the bid:-

i) A certificate issued by a practicing Chartered Cost Accountant (with Membership Number and Firm Registration Number), certifying the Annual turnover & Net worth as per format prescribed in ANNEXURE.

OR

ii) Audited Balance Sheet along with Profit & Loss account.

4.4 In case the Audited Balance Sheet and Profit & Loss Account submitted along with the bid are in currencies other than INR or US$, the bidder shall have to convert the figures in equivalent INR or US$ considering

the prevailing conversion rate on the date on which the Audited Balance Sheet and Profit & Loss Account is signed. A CA certificate is to be submitted by the bidder regarding converted figures in equivalent INR or US$.

B. COMMERCIAL:

1. Bids are invited under **Single Stage Composite Bid System**. Bidders shall quote accordingly under Single Stage Composite Bid System.

2.0 **Bid security of US $ 1,160.00 or Rs. 76,537.00** shall be furnished as a part of the TECHNICAL BID (refer Clause Nos.9.0 & 12.0 (Section A) of "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders)).A bid shall be rejected straightway if Original Bid Security is not received within the stipulated date & time mentioned in the Tender and/or if the Bid Security validity is shorter than the validity indicated in Tender and/or if the Bid Security amount is lesser than the amount indicated in the Tender.

2.1 For exemption for submission of Bid Security, please refer Clause No. 9.8 (Section A) of "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders).

2.2 The Bank Guarantee towards Bid Security shall be valid **upto 20.01.2018.**

3. Validity of the bid shall be minimum 90 days from the date of Bid Closing Date. Bids with lesser validity will be straightway rejected.

4. Bidders must confirm that Goods, materials or plant(s) to be supplied shall be new of recent make and of the best quality and workmanship and shall be guaranteed for a period of eighteen (18) months from the date of shipment/dispatch or twelve (12) months from the date of receipt of the items at site, whichever is earlier against any defects arising from faulty materials, workmanship or design. Defective goods/materials or parts rejected by OIL shall be replaced immediately by the supplier at the supplier's expenses at no extra cost to OIL.

5. Successful bidder will be required to furnish a Performance Bank Guarantee @10% of the order value. The Performance Bank Guarantee must be valid for a period of 18 months from the date of shipment/dispatch or twelve (12) months from the date of receipt of the items at site, whichever is earlier. Bidder must confirm the same in their

Technical Bid. Offers not complying with this clause will be rejected.

6. Bidders are required to submit the summary of the prices in their price bids as per bid format (Summary), given below :

I) Price Bid Format (SUMMARY) for Foreign Bidders :

(A) Total Material Value :
(B) Packing & FOB Charges :
(C) Total FOB Port of Shipment value, (C + D) above :
(D) Overseas Freight Charges upto Kolkata, India :
(E) Insurance Charges :
(F) Total CIF Kolkata value, (E+F+G) :
(G) Total Value in words :
(H) Gross Weight :
(I) Gross Volume :

II) Price Bid Format (SUMMARY) for Indigenous Bidders:

(A) Total Material Value:
(B) Packing and Forwarding Charges:
(C) Total Ex-works value, (C + D) above :
(D) Sales Tax, (Please indicate applicable rate of Tax)
(E) Total FOR Despatching station price, (E + F) above
(F) Road Transportation charges to Duliajan
(G) Insurance Charges
(H) Assam Entry Tax
(I) Total FOR Duliajan value, (G + H + I +J) above
(J) Total Value in words :
(K) Gross Weight :
(L) Gross Volume :

7. The prices offered will have to be firm through delivery and not subject to variation on any account. A bid submitted with an adjustable price will be treated as non-responsive and rejected.

8. Bids received after the bid closing date and time will be rejected. Similarly, modifications to bids received after the bid closing date & time will not be considered.

9. Bids containing incorrect statement will be rejected.

10. Bidder shall accept and comply with the following clauses as given in the Bid Document, failing which bid shall be liable for rejection:

i) Liquidated Damages
ii) Warranty/Guarantee of material
iii) Arbitration / Resolution of Dispute
iv) Force Majeure
v) Applicable Laws

(II) <u>BID EVALUATION CRITERIA (BEC)</u> :

Both the items mentioned in the tender shall be evaluated separately. Bidders to quote accordingly. Bids conforming to the specifications, terms and conditions stipulated in the tender and considered to be responsive after subjecting to the Bid Rejection Criteria will be considered for further evaluation as per the Bid Evaluation Criteria mentioned in Section D of "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005.

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ANNEXURE-B

(A) COMMERCIAL CHECK-LIST

Sl. No.	PARAMETERS/REQUIREMENTS	BIDDER RESPONSE	REMARKS IF ANY
1.	Whether Original Signed quotation submitted?	YES/NO	
2.	Whether quoted as manufacturer?	YES/NO	
3.	Whether quoted as authorized dealer? [To Specify]	YES/NO	
4.	If quoted as authorized dealer,		
5.	(a)Whether submitted valid and proper authorization letter from manufacturer IN ORIGINAL confirming that bidder is their authorized dealer for the product offered?	YES/NO	
6.	(b)Whether manufacturer's back-up Warranty/Guarantee certificate submitted?	YES/NO	
7.	Whether ORIGINAL Bid Bond (not copy of Bid Bond) enclosed with the offer? If YES, provide details	YES/NO	
	(a) Amount :		
	(b) Name of issuing Bank :		
	(c) Validity of Bid Bond :		
8.	Whether offered firm prices?	YES/NO	
9.	Whether quoted offer validity of 90 days from the date of closing of tender?	YES/NO	
10.	Whether quoted a firm delivery period?	YES/NO	
11.	Whether quoted as per NIT (without any deviations)?	YES/NO	
12.	Whether any deviation is there in the offer?	YES/NO	
13.	Whether deviation separately highlighted?	YES/NO	
14.	Whether agreed to the NIT Warranty clause?	YES/NO	
15.	Whether Price Bid submitted as per Price Schedule?	YES/NO	
16.	Whether indicated the country of origin for the items quoted?	YES/NO	
17.	Whether all the items of tender quoted?	YES/NO	
18.	Whether technical literature/catalogue/drawings enclosed?	YES/NO	
19.	For Foreign Bidders - Whether offered FOB/FCA port of dispatch including sea/air worthy packing & forwarding?	YES/NO	
20.	For Foreign Bidders – Whether port of shipment indicated? [To specify]	YES/NO	
21.	For Foreign Bidders only - Whether indicated ocean freight up to C&F Kolkata port	YES/NO	

	(Excluding marine insurance)?	
22.	Whether Indian Agent applicable?	YES/NO
	If YES, whether following details of Indian Agent provided?	
	(a) Name & address of the agent in India – To indicate	
	(b) Amount of agency commission – To indicate	
	(c) Whether agency commission included in quoted material value?	YES/NO
23.	Whether weight & volume of items offered indicated?	YES/NO
24.	Whether confirmed to submit PBG as asked for in NIT?	YES/NO
25.	Whether agreed to submit PBG within 30 days of placement of order?	YES/NO
26.	For Indian bidders – Whether place of dispatch indicated in the offer? [To specify]	YES/NO
27.	For Indian bidders – Whether road transportation charges up to Duliajan quoted?	YES/NO
28.	For Indian Bidders only - Whether offered Ex-works price including packing/forwarding charges?	YES/NO
29.	For Indian Bidders only - Whether offered Deemed Export prices?	YES/NO
30.	Whether quoted prices are exclusive of Excise duty?	YES/NO
31.	For Indian bidders only – whether import content indicated in the offer?	YES/NO
32.	For Indian Bidders only - whether all Taxes have been indicated categorically?	YES/NO
33.	Whether all BRC/BEC clauses accepted?	YES/NO

Sr No.	Clause No	Description	Bidders Remarks Complied /Not Complied /Deviation	Relevant Location of the document in their Bid to support the remarks/compliance
1		**TECHNICAL EVALUATION SHEET**		
2	10	**Item No 10** MALE CONNECTOR (1/4" X 1/2") EQUAL TEE Size : ¼ inch NPT (M) X ½ inch OD(T) Material : SS316		
3	20	**Item No 20** MALE CONNECTOR (1/4" X 3/8") EQUAL TEE Size : ¼ inch NPT (M) X 3/8 inch OD(T) Material : SS316		
4	30	**Item No 30** FEMALE CONNECTOR (1/2" X 1/2") EQUAL TEE Size : ½ inch NPT (F) X ½ inch OD(T) Material : SS316		

5	40	**Item No 40** MALE CONNECTOR (1/4" X 1/4") EQUAL TEE Size : ¼ inch NPT (M) X ¼ inch OD(T) Material : SS316		
6	50	**Item No 50** MALE CONNECTOR (1/2" X 1/2") EQUAL TEE Size : ½ inch NPT (M) X ½ inch OD(T) Material : SS316		
7	60	**Item No 60** MALE CONNECTOR (1/8" X 1/4") EQUAL TEE Size : 1/8 inch NPT (M) X ¼ inch OD(T) Material : SS316		
8	70	**Item No 70** MALE CONNECTOR (1/2" X 1/4") EQUAL TEE Size : ½ inch NPT (M) X ¼ inch OD(T) Material : SS316		
9	80	**Item No 80** EQUAL TEE 1/2" EQUAL TEE Size : ½ inch OD Material : SS316		

10	90	**Item No 90** UNION 1/2" EQUAL TEE Size : ½ inch OD(T) Material : SS316		
11	100	**Item No 100** UNION 1/4" EQUAL TEE Size : ¼ inch OD(T) Material : SS316		
12	110	**Item No 110** NEEDLE VALVE, ½",SS ITEM DESCRIPTION NEEDLE VALVES Front End Connection Size: ½" NPT (F) Back End Connection Size: ½" NPT (F) Material of Construction: Valve: SS 316 Stem: SS 316 as per ASME SA479 / ASTM A 479 Stem Tip: SS 316 as per ASME SA479 / ASTM A 479 Handle: Stainless Steel BAR. Orifice :9.5 mm (approx) Cv :1.8 (approx)		
13	120	**Item No 120** NEEDLE VALVE, ¼",SS ITEM DESCRIPTION NEEDLE VALVES Front End Connection Size: ¼" NPT (F) Back End Connection Size: ¼" NPT (F)		

		Material of Construction: Valve: SS 316 Stem: SS 316 as per ASME SA479 / ASTM A 479 Stem Tip: SS 316 as per ASME SA479 / ASTM A 479 Handle: Stainless Steel BAR. Orifice :6.3 mm (approx) Cv :0.73 (approx)		
14	130	**Item No 130** SS TUBE ½" OD ITEM DESCRIPTION SEAMLESS FULLY ANNEALED SS TUBE Size : ½" OD Material : SS316 Wall thickness : 0.049"		
15	140	**Item No 140** SS TUBE ¼" OD ITEM DESCRIPTION SEAMLESS FULLY ANNEALED SS TUBE Size : ¼" OD Material : SS316 Wall thickness : 0.035"		
16	150	**Item No 150** BALL VALVE, ½",SS ITEM DESCRIPTION BALL VALVE Front End Connection Size: ½" NPT (F) Back End Connection Size: ½" NPT (F) Material of Construction: Valve: Stainless Steel (ASTM A 182 Gr SS316) Stem: Stainless Steel (ASTM A 479 Gr SS316/ASME SA 479 SS316) End connector: Stainless Steel (ASTM A 479 Gr SS316/ASME SA 479 SS316) Ball: Stainless Steel SS 316 Seat Material: PEEK Orifice: 9 mm (approx.) Cv: 6.5 (approx.)		

17	160	**Item No 160** SS NIPPLE 1/2" X 2" ITEM DESCRIPTION EQUAL TEE Size : 1/2 inch NPT (M) X 2 inch Long Material : SS316		
18	170	**Item No 170** BALL VALVE, 1/4",SS ITEM DESCRIPTION BALL VALVE Front End Connection Size: ½" NPT (F) Back End Connection Size: ½" NPT (F) Material of Construction: Valve: Stainless Steel (ASTM A 182 Gr SS316) Stem: Stainless Steel (ASTM A 479 Gr SS316/ASME SA 479 SS316) End connector: Stainless Steel (ASTM A 479 Gr SS316/ASME SA 479 SS316) Ball: Stainless Steel SS 316 Seat Material: PEEK Orifice: 5 mm (approx.) Cv: 0.84 (approx.)		

TECHNICAL EVALUATION MATRIX (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)**
1.0	The bids shall broadly conform to the specifications and terms and conditions given in this bid document. Bids shall be rejected in case the items offered do not conform to required parameters stipulated in the technical specifications and to the respective international/national standards wherever stipulated. Notwithstanding the general conformity of the bids to the stipulated specifications and terms and conditions, the following requirements will have to be particularly met by the Bidders without which the same will be considered as non-responsive and rejected. A) TECHNICAL: 1.0 BRC /BEC (Technical) - Qualification 1.1 The bidder shall be an Original Equipment Manufacturer (OEM) of the tendered item(s) OR 1.2 an authorized agent / dealer / distributor / supply house of an OEM of the tendered item(s) having		

	valid authorization letter / dealership certificate with warranty/ guarantee back up from the principal (OEM). Copy of authorization letter / dealership certificate with warranty/ guarantee back up from the principal (OEM) shall be submitted along with the technical bid.		
2.0	BRC/BEC (Technical) - Experience 2.1 The bidder shall have experience of successful execution of past supply for minimum 50% quantity (to be rounded off to next higher integer) of each tender item of same or higher specification as specified in the tender in last 5 years preceding the original bid closing date of the tender, to any Oil & Gas Industry or service provider to an E&P company.		
	2.2 The bidder shall submit documents in support of his previous supply experience as applicable under clause 2.1 as follows: (i) Copy(ies) of Purchase Order(s)/Contract document(s), And (ii) Any one or combination of the following documents that confirms the successful execution of each of the purchase order(s) / contract(s) - - Completion report / performance certificate from the clients, - Bill of lading, - Delivery challan / invoice etc. - any other documentary evidence that can substantiate the successful execution of each of the Purchase Order(s) / contract(s) cited above.		

3.0	Delivery: The bidder should categorically confirm in the technical bid that the tendered items will be supplied within 6 months from the placement of P.O or establishment of Letter of Credit, failing which their offer will be rejected.		
4.0	Financial Criteria		
	4.1 Annual Turnover:The bidder shall have an annual financial turnover of minimum **US$ 28,991.00 or Rs19,13,425.00** during any of the preceding 03 (three) financial years reckoned from the original bid closing date of the tender		
	4.2 "Net Worth" of the bidder should be positive for the preceding financial/accounting year.		
	4.3 Considering the time required for preparation of Financial Statements, if the last date of preceding financial / accounting year falls within the preceding six months reckoned from the original bid closing date and the Financial Statements of the preceding financial / accounting year are not available with the bidder, then the financial turnover of the previous three financial / accounting years excluding the preceding financial / accounting year will be considered. In such cases, the Net worth of the previous financial / accounting year excluding the preceding financial / accounting year will be considered. However, the bidder has to submit an affidavit/undertaking certifying that 'the balance sheet/Financial Statements for the financial year…… (As the case may be) has actually not been audited so far'. Note: For proof of Annual Turnover & Net worth any one of the following document must be submitted		

	along with the bid:- i) A certificate issued by a practicing Chartered Cost Accountant (with Membership Number and Firm Registration Number), certifying the Annual turnover & Net worth as per format prescribed in ANNEXURE-E. OR ii) Audited Balance Sheet along with Profit & Loss account.		
	4.4 In case the Audited Balance Sheet and Profit & Loss Account submitted along with the bid are in currencies other than INR or US$, the bidder shall have to convert the figures in equivalent INR or US$ considering the prevailing conversion rate on the date on which the Audited Balance Sheet and Profit & Loss Account is signed. A CA certificate is to be submitted by the bidder regarding converted figures in equivalent INR or US$.		