

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

CORRIGENDUM

Amendment No. 1
to
Tender No. SSG3671P20/01

- 1) This Amendment is issued as the specification and details under Common Notes of the item against this tender has been amended as follows:

Clause Number	Existing clause details	Proposed to be amended as
Material Description	<p>Tubing Head Assembly, 704 Kg/Sq.cm (10000 psi) Working pressure, with 179.4 mm (7.1/16") x 704 Kg/Sq.cm (10000 psi)WP top flange, and 279.4 mm (11") x 704 Kg/Sq.cm (10000 psi) WP bottom flange, as per API specification 6A, latest edition, Comprising of the following items:</p> <p>1(a) TUBING HEAD SPOOL : (Qty. 1 no. per set)Tubing Head Spool shall be Straight Bore Bowl design with a landing shoulder to accept mandrel type tubing hanger as given in item 1(d) below. The tubing head spool shall be designed conforming to API Std. 6A latest edition, with the following minimum requirements & provisions.</p> <p>Material : Minimum 60 K API forged steel Product specification level : PSL 3 Material Class : AA Temperature Rating : U Working pressure : 704 Kg/Sq.cm (10,000 psi)</p>	<p>Tubing Head Assembly, 704 Kg/Sq.cm (10000 psi) Working pressure, with 179.4 mm (7.1/16") x 704 Kg/Sq.cm (10000 psi)WP top flange, and 279.4 mm (11") x 704 Kg/Sq.cm (10000 psi) WP bottom flange, as per API specification 6A, latest edition, Comprising of the following items:</p> <p>1(a) TUBING HEAD SPOOL: (Qty. 1 no. per set) Tubing Head Spool shall be Straight Bore Bowl design with a landing shoulder to accept mandrel type tubing hanger as given in item 1(d) below. The tubing head spool shall be designed conforming to API Std. 6A latest edition, with the following minimum requirements & provisions.</p> <p>Material : Minimum 60 K API forged steel Product specification level : PSL 3 Material Class : AA Temperature Rating : U Working pressure : 704 Kg/Sq.cm (10,000 psi)</p>

Test Pressure : 1056 Kg/Sq.cm (15,000 psi)
Minimum ID of the spool : 168 mm
Casing Size : Both 5 ½" & 7" Casing, by changing removable type bit pilot & secondary seal assembly.
The tubing head spool shall be furnished with the followings
1(a)(i)Top Connection of tubing head spool:Flanged, 179.4 mm (7.1/16"), BX-156 ring grooved, 704 Kg/Sq.cm (10,000 psi) Working Pressure. Suitable to accommodate the tubing hanger [item 1(d)] and complete with Tie-down Screws to hold the tubing hanger in place.
1(a)(ii) Side Connection of tubing head spool: Studded, 52.4 mm (2.1/16"); BX-152 ring grooved, 704 Kg/Sq.cm (10,000 psi) Working Pressure, two numbers on diametrically opposite side (180 Degree apart). Both side outlets shall be internally threaded with 38.1 mm (1.1/2") LP threads for installing valve removal plug.

1(a)(iii) Bottom Connection of tubing head spool: Flanged, 279.4 mm (11"); BX-158 ring grooved, 704 Kg/Sq.cm (10,000 psi), Working Pressure. Suitable to accommodate removable type Bit Pilot / Bit Guide [item 1(b)] and Secondary Seal Assembly [item 1(c)]. Preparation shall be such that the Bit Pilot / Bit Guide is held in place by snap/retainer rings, and Secondary Seal Assembly sits in the counter bore properly. Bottom flange shall be provided with testing port facilities with 3/4" NPT outer plug having Allen head, and 3/8" NPSC check valve having Allen head installed.

1(b) BIT PILOT/GUIDE (FOR 5 ½" OD CASING): (Qty. 1 no. per set) Removable type bit pilot to be used in conjunction with secondary seal assembly [item 1(c)] for installation in tubing head spool [item 1(a)] and held in place by snap/retainer ring and suitable for 139.7 mm (5 1/2") OD casing. However, bit pilot integral with secondary seal assembly [item 1(c)] is also acceptable The bit pilot shall be

Test Pressure : 1056 Kg/Sq.cm (15,000 psi)
Minimum ID of the spool : 168 mm
Casing Size : Both 5 ½" & 7" Casing, by changing removable type bit pilot & secondary seal assembly.
The tubing head spool shall be furnished with the followings
1(a)(i)Top Connection of tubing head spool:Flanged, 179.4 mm (7.1/16"), BX-156 ring grooved, 704 Kg/Sq.cm (10,000 psi) Working Pressure. Suitable to accommodate the tubing hanger [item 1(d)] and complete with Tie-down Screws to hold the tubing hanger in place.
1(a)(ii) Side Connection of tubing head spool: Studded, 52.4 mm (2.1/16"); BX-152 ring grooved, 704 Kg/Sq.cm (10,000 psi) Working Pressure, two numbers on diametrically opposite side (180 Degree apart). Both side outlets shall be internally threaded with 48.26 mm (1.9") 11 ½ TPI Sharp Vee threads, as per API 6A, for installing valve removal plug.

1(a)(iii) Bottom Connection of tubing head spool: Flanged, 279.4 mm (11"); BX-158 ring grooved, 704 Kg/Sq.cm (10,000 psi), Working Pressure. Suitable to accommodate removable type Bit Pilot / Bit Guide [item 1(b)] and Secondary Seal Assembly [item 1(c)]. Preparation shall be such that the Bit Pilot / Bit Guide is held in place by snap/retainer rings, and Secondary Seal Assembly sits in the counter bore properly and held in place by snap/retainer rings. However, bit pilot [item 1(b)] integral with secondary seal assembly [item 1(c)] is also acceptable, and the same should be held in place by snap/retainer rings accordingly. Bottom flange shall be provided with testing port facilities with 3/4" NPT outer plug having Allen head, and 3/8" NPSC check valve having Allen head installed.

1(b) BIT PILOT/GUIDE (FOR 5 ½" OD CASING): (Qty. 1 no. per set) Removable type bit pilot to be used in conjunction with secondary seal assembly [item 1(c)] for installation in tubing head spool [item 1(a)] and held in place by snap/retainer ring and suitable for 139.7 mm (5 1/2") OD casing. However, bit pilot integral with secondary seal assembly [item 1(c)] is also acceptable The bit pilot shall be such that it prevents casing &

such that it prevents casing & secondary seal assembly from getting damaged during running-in of any down hole tools. The minimum ID of the bit pilot shall be 5"(127 mm). The bit pilot along with secondary seal [item 1(c)] shall be positioned to accommodate casing length of 3 3/4" (95.25 mm) from bottom surface of the Tubing Head Spool.

1(c) SECONDARY SEAL ASSEMBLY (FOR 5 1/2" OD CASING): (Qty. 1 no. per set) Removable, self energised (pressure actuated) type, FS Seal (Double seal)/Lip Seal design, secondary seal assembly, 704 Kg/Sq.cm (10,000 psi) W.P to suit bottom preparation of tubing head spool [item 1(a)] and to seal off 139.7 mm (5.1/2") OD casing. The secondary seal element along with bit pilot shall be positioned to accommodate casing length of 3 3/4" (95.25 mm) from bottom surface of the Tubing Head Spool.

1(d) TUBING HANGER : (Qty. 1 no. per set) Tubing hanger, single completion suspended mandrel type, with extended seal necks complete with additional upper seal ring to be energised by pack off adapter flange [item no 1(e)], and complete with lower seal ring to be energised by the tubing weight.

Tubing hanger shall be made of forged alloy steel (Minimum 60 K API material), with bottom threads to hang 73.03 mm (2.7/8") OD VAM TOP tubing, and top thread 73.03 mm (2.7/8") OD VAM TOP

thread for lifting, and suitable for above tubing head spool [item 1(a)].The tubing hanger shall also be provided with 2.1/2" H BPV 4TPI 90 Deg LH thread for installing 2.1/2" H Back Pressure Valve, with minor dia 2.4075 +/- 0.0025" (61.1505 mm +/- 0.0635 mm), which will be the minimum ID of the tubing hanger.

1(e) PACK OFF ADAPTER FLANGE (FOR 10M XMT): (Qty. 1 no. per set) Pack off Adapter Flange, suitable for mounting on above tubing head spool [item 1(a)] & fit over extended neck tubing hanger [item 1(d)]. The pack off adapter flange

secondary seal assembly from getting damaged during running-in of any down hole tools. The minimum ID of the bit pilot shall be 5"(127 mm). The bit pilot along with secondary seal [item 1(c)] shall be positioned to accommodate casing length of 3 3/4" (95.25 mm) from bottom surface of the Tubing Head Spool.

1(c) SECONDARY SEAL ASSEMBLY (FOR 5 1/2" OD CASING): (Qty. 1 no. per set) Removable, self energised (pressure actuated) type, FS Seal (Double seal)/Lip Seal design, secondary seal assembly, 704 Kg/Sq.cm (10,000 psi) W.P to suit bottom preparation of tubing head spool [item 1(a)] and to seal off 139.7 mm (5.1/2") OD casing. The secondary seal element along with bit pilot shall be positioned to accommodate casing length of 3 3/4" (95.25 mm) from bottom surface of the Tubing Head Spool.

1(d) TUBING HANGER : (Qty. 1 no. per set) Tubing hanger, single completion suspended mandrel type, with extended seal necks complete with additional upper seal ring to be energised by pack off adapter flange [item no 1(e)], and complete with lower seal ring to be energised by the tubing weight.

Tubing hanger shall be made of forged alloy steel (Minimum 60 K API material), with bottom threads to hang 73.03 mm (2.7/8") OD VAM TOP tubing, and top thread 73.03 mm (2.7/8") OD VAM TOP

thread for lifting, and suitable for above tubing head spool [item 1(a)].The tubing hanger shall also be provided with 2.1/2" H type/Equivalent BPV 4TPI 90 Deg LH thread for installing 2.1/2" H type/Equivalent Back Pressure Valve, with minor dia 2.4075 +/- 0.0275" (61.15mm +/- 0.70 mm, rounded off to two decimal places), which will be the minimum ID of the tubing hanger.

1(e) PACK OFF ADAPTER FLANGE (FOR 10M XMT): (Qty. 1 no. per set) Pack off Adapter Flange, suitable for mounting on above tubing head spool [item 1(a)] & fit over extended neck tubing hanger [item 1(d)]. The pack off adapter flange shall be designed

<p>shall be designed as below-</p> <p>1(e)(i) Top Connection of Pack off Adapter Flange: Studded, 65.09 mm (2.9/16"), BX-153 ring grooved, 704 Kg/Sq.cm (10,000 psi), Working Pressure. The top of the vertical bore shall be suitably chamfered to guide wire line tool.</p> <p>1(e)(ii) Bottom Connection of Pack off Adapter Flange: Flanged, 179.4 mm (7.1/16"), BX-156 ring grooved, 704 Kg/Sq.cm (10,000 psi) Working Pressure. Bottom flange shall be provided with testing port facilities with 3/4" NPT outer plug having Allen head, and 3/8" NPSC check valve having Allen head installed.</p> <p>1(f) CASING VALVES: (Qty 02 nos. per set) Gate Valves, forged Steel, 52.39 mm (2.1/16"), 704 Kg./Cm. Sq. (10000 psi) working pressure, flanged end, BX 152 ring grooved, full bore through conduit, complete with hand wheel, and one no. installed in each side outlet of tubing head spool [item 1(a)].The Gate Valve shall have replaceable gate and seat assembly, parallel solid slab gate construction with floating seat, back seat arrangement on the stem, non-rising stem supported on two thrust bearings, with plastic packing and grease injection ports.</p> <p>1(g) STUDS & NUTS :</p> <p>1(g)(i) Stud 1.1/2" dia. x 13.3/4" long, with 2 hexagonal nuts each.: (Qty. 16 nos per set)</p> <p>1(g)(ii) Stud 1.3/4" dia. x 15.3/8" long, with 2 hexagonal nuts each.: (Qty. 16 nos per set)</p> <p>1(h) RING JOINT GASKETS:</p> <p>1(h)(i) Ring joint Gasket, Size BX 152 : (Qty. 02 nos per set) (In installed condition with casing valves)</p> <p>1(h)(ii) Ring joint Gasket, Size BX 153 : (Qty. 01 no per set)</p> <p>1(h)(iii) Ring joint Gasket, Size BX 156 : (Qty. 01 no per set)</p> <p>1(h)(iv) Ring joint Gasket, Size BX 158 : (Qty. 01 no per set)</p>	<p>as below-</p> <p>1(e)(i) Top Connection of Pack off Adapter Flange: Studded, 65.09 mm (2.9/16"), BX-153 ring grooved, 704 Kg/Sq.cm (10,000 psi), Working Pressure. The top of the vertical bore shall be suitably chamfered to guide wire line tool.</p> <p>1(e)(ii) Bottom Connection of Pack off Adapter Flange: Flanged, 179.4 mm (7.1/16"), BX-156 ring grooved, 704 Kg/Sq.cm (10,000 psi) Working Pressure. Bottom flange shall be provided with testing port facilities with 3/4" NPT outer plug having Allen head, and 3/8" NPSC check valve having Allen head installed.</p> <p>1(f) CASING VALVES: (Qty 02 nos. per set) Gate Valves, forged Steel, 52.39 mm (2.1/16"), 704 Kg./Cm. Sq. (10000 psi) working pressure, flanged end, BX 152 ring grooved, full bore through conduit, complete with hand wheel, and one no. installed in each side outlet of tubing head spool [item 1(a)].The Gate Valve shall have replaceable gate and seat assembly, parallel solid slab gate construction with floating seat, back seat arrangement on the stem, non-rising stem supported on two thrust bearings, with plastic packing and grease injection ports.</p> <p>1(g) STUDS & NUTS :</p> <p>1(g)(i) Zinc coated Stud 1.1/2" dia. x 13.3/4" long, with 2 hexagonal Zn coated nuts each.: (Qty. 16 nos per set)</p> <p>1(g)(ii) Zinc coated Stud 1.3/4" dia. x 15.3/8" long, with 2 hexagonal Zn coated nuts each.: (Qty. 16 nos per set)</p> <p>1(h) RING JOINT GASKETS:</p> <p>1(h)(i) Ring joint Gasket, Size BX 152 : (Qty. 02 nos per set) (In installed condition with casing valves)</p> <p>1(h)(ii) Ring joint Gasket, Size BX 153 : (Qty. 01 no per set)</p> <p>1(h)(iii) Ring joint Gasket, Size BX 156 : (Qty. 01 no per set)</p> <p>1(h)(iv) Ring joint Gasket, Size BX 158 : (Qty. 01 no per set)</p>
--	--

<p>2. ACCESSORIES/SPARES :</p> <p>2(a) Redress Kit for Tubing Hanger (Seal rings for body & extended neck) : (Qty. 01 no. per 01 set of spool)2(b) Redress Kit for 5 ½" Secondary Seal Assembly (seal packing) : (Qty. 01 no. per 01 set of spool)</p> <p>2(c) Back pressure Valve 2.1/2" Nom. : (Qty. 01 no. per 5 set of spool)</p> <p>2(d) Valve Removal Plug, size 1.1/2"LP : (Qty. 01 no. per 5 set of spool)</p> <p>2(e)Tools:</p> <p>2(e)(i) Circlip Plier or any other suitable tool for removing /installing snap / retainer ring of bit pilot : (Qty. 01 no. per 5 set of spool)</p> <p>2(e)(ii) Allen Keys of suitable sizes for removing / installing outer plug and inner check valve of test port: (Qty. 01 no. per 5 set of spool).</p> <p>2(f) BIT PILOT / GUIDE (FOR 7" OD CASING): (Qty. 01 no. per 5 set of spool) Removable type bit pilot, to be used in conjunction with secondary seal assembly [item 2(g)] for installation in tubing head spool [item 1(a)], suitable for 177.8 mm (7") OD casing and held in place by snap/retainer ring. However, bit pilot integral with secondary seal assembly [item 1(c)] is also acceptable. The bit pilot should be such that it prevents casing & secondary seal assembly from getting damaged during running-in of any down hole tools. The minimum ID of the bit pilot shall be 6 ½"(165.10 mm). The bit pilot along with secondary seal [item 1(c)] shall be positioned to accommodate casing length of 3 3/4" (95.25 mm) from bottom surface of the Tubing Head Spool.</p> <p>2(g) SECONDARY SEAL ASSEMBLY (FOR 7" OD CASING): (Qty. 01 no. per 5 set of spool) Removable, self energised (pressure actuated) type, FS Seal(Double seal)/Lip Seal design, secondary seal assembly, 704 Kg/Sq.cm (10,000 psi) W.P, to suit bottom reparation of tubing head spool [item 1(a)] and to seal off 177.8 mm (7") OD casing. The secondary seal element along with bit pilot shall be positioned to accommodate casing length of 3 3/4" (95.25 mm) from</p>	<p>2. ACCESSORIES/SPARES :</p> <p>2(a) Redress Kit for Tubing Hanger (Seal rings for body & extended neck) : (Qty. 01 no. per 01 set of spool)</p> <p>2(b) Redress Kit for 5 ½" Secondary Seal Assembly (seal packing) : (Qty. 01 no. per 01 set of spool)</p> <p>2(c) Back pressure Valve 2.1/2" Nom.HType/Equivalent : (Qty. 01 no. per 5 set of spool)</p> <p>2(d) Valve Removal Plug, size 48.26 mm (1.9") Sharp Vee thread(Qty. 01 no. per 5 set of spool)</p> <p>2(e)Tools:</p> <p>2(e)(i) Circlip Plier or any other suitable tool for removing /installing snap / retainer ring of bit pilot : (Qty. 01 no. per 5 set of spool)</p> <p>2(e)(ii) Allen Keys of suitable sizes for removing / installing outer plug and inner check valve of test port: (Qty. 01 no. per 5 set of spool).</p> <p>2(f) BIT PILOT / GUIDE (FOR 7" OD CASING): (Qty. 01 no. per 5 set of spool) Removable type bit pilot, to be used in conjunction with secondary seal assembly [item 2(g)] for installation in tubing head spool [item 1(a)], suitable for 177.8 mm (7") OD casing and held in place by snap/retainer ring. However, bit pilot integral with secondary seal assembly [item 1(c)] is also acceptable. The bit pilot should be such that it prevents casing & secondary seal assembly from getting damaged during running-in of any down hole tools. The minimum ID of the bit pilot shall be 6 ½"(165.10 mm). The bit pilot along with secondary seal [item 1(c)] shall be positioned to accommodate casing length of 3 3/4" (95.25 mm) from bottom surface of the Tubing Head Spool.</p> <p>2(g) SECONDARY SEAL ASSEMBLY (FOR 7" OD CASING): (Qty. 01 no. per 5 set of spool) Removable, self energised (pressure actuated) type, FS Seal (Double seal)/Lip Seal design, secondary seal assembly, 704 Kg/Sq.cm (10,000 psi) W.P, to suit bottom reparation of tubing head spool [item 1(a)] and to seal off 177.8 mm (7") OD casing. The secondary seal element along with bit pilot shall be positioned to accommodate casing length of 3 3/4" (95.25 mm) from</p>
--	--

	<p>bottom surface of the Tubing Head Spool. 2(h) Redress Kit for 7" Secondary Seal Assembly (seal packing) : (Qty. 01 no. per 5 set of spool) 2(i) PACK OFF ADAPTER FLANGE (FOR 5M XMT): (Qty. 1 no. per 5 set of spool) Pack off Adapter Flange, suitable for mounting on above tubing head spool [item 1(a)] & fit over extended neck tubing hanger [item 1(d)].The pack off adapter flange shall be designed as below- 2(i)(i) Top Connection of Pack off Adapter Flange: Studded, 65.09 mm (2.9/16"), RX-27 ring grooved, 352.1 Kg/Sq.cm (5,000 psi) Working Pressure. The top of the vertical bore shall be suitably chamfered to guide wire line tool. 2(i)(ii) Bottom Connection of Pack off Adapter Flange: Flanged, 179.4 mm (7.1/16"), BX-156 ring grooved, 704 Kg/Sq.cm (10,000 psi) Working Pressure. Bottom flange shall be provided with test port facility with 3/4" NPT outer plug having Allen head, and 3/8" NPSC check valve having Allen head installed.</p>	<p>from bottom surface of the Tubing Head Spool. 2(h) Redress Kit for 7" Secondary Seal Assembly (seal packing) : (Qty. 01 no. per 5 set of spool) 2(i) PACK OFF ADAPTER FLANGE (FOR 5M XMT): (Qty. 1 no. per 5 set of spool) Pack off Adapter Flange, suitable for mounting on above tubing head spool [item 1(a)] & fit over extended neck tubing hanger [item 1(d)].The pack off adapter flange shall be designed as below- 2(i)(i) Top Connection of Pack off Adapter Flange: Studded, 65.09 mm (2.9/16"), RX-27 ring grooved, 352.1 Kg/Sq.cm (5,000 psi) Working Pressure. The top of the vertical bore shall be suitably chamfered to guide wire line tool. 2(i)(ii) Bottom Connection of Pack off Adapter Flange: Flanged, 179.4 mm (7.1/16"), BX-156 ring grooved, 704 Kg/Sq.cm (10,000 psi) Working Pressure. Bottom flange shall be provided with test port facility with 3/4" NPT outer plug having Allen head, and 3/8" NPSC check valve having Allen head installed.</p>
<p>COMMON NOTES</p>	<p>1) The bidder shall confirm that materials to be supplied shall be new, of recent make, of the best quality & workmanship and shall be guaranteed by the Seller for a period of 18 months from the date of despatch/shipment or 12 months from the date of receipt at destination, whichever is earlier, against defects arising from faulty materials, workmanship or design. Defective goods / materials or parts notified by OIL to the Seller shall be replaced immediately by the Seller on F.O.R destination basis including payment of all taxes and duties at Seller's expense. This guarantee shall survive and hold good notwithstanding inspection, payment for and acceptance of the goods.</p> <p>2) The Bidder shall categorically confirm in their technical bid about compliance of all the points under technical specification and notes of the tender.</p>	<p>1) The bidder shall confirm that materials to be supplied shall be new, of recent make, of the best quality & workmanship and shall be guaranteed by the Seller for a period of 18 months from the date of despatch/shipment or 12 months from the date of receipt at destination, whichever is earlier, against defects arising from faulty materials, workmanship or design. Defective goods / materials or parts notified by OIL to the Seller shall be replaced immediately by the Seller on F.O.R destination basis including payment of all taxes and duties at Seller's expense. This guarantee shall survive and hold good notwithstanding inspection, payment for and acceptance of the goods.</p> <p>2) The Bidder shall categorically confirm in their technical bid about compliance of all the points under technical specification and notes of the tender.</p>

<p>3) The Bidder shall submit the relevant drawing and literature along with technical bid as given below-</p> <p>(a) Cross Sectional Drawing showing major dimensions. (b) Manufacturer's Quality Assurance Plan (QAP)</p> <p>4) Each item shall bear markings on name plate as follows :</p> <p>a. API Monogram b. OIL's purchase order no. c. equipment serial number d. Manufacturer's name e. rated working pressure, bore size f. material of construction, PSL, PR, & Trim designation. g. year of manufacture</p> <p>In addition to above, followings shall be embossed permanently on the body of each spool / valve :</p> <p>a. API Monogram b. OIL's purchase order no. c. equipment serial number d. manufacturer's name e. rated working pressure & bore size</p> <p>5) Third Party Inspection shall be carried out by Oil India Ltd.'s approved Third Party Inspection Agency for API Specification 6A. The scope of inspection will cover the followings.</p> <p>a. General Design, b. Material, c. Welding (if any), d. Quality Control, e. Equipment Marking, f. Storing, packaging & shipping, g. Radiography test, wherever applicable, h. any other aspects found necessary by TPIA .</p> <p>The TPI report shall be submitted along with the material</p>	<p>3) The Bidder shall submit the relevant drawing and literature along with technical bid as given below-</p> <p>(a) Cross Sectional Drawing showing major dimensions. (b) Manufacturer's Quality Assurance Plan (QAP)</p> <p>4) Each item shall bear markings on name plate as follows :</p> <p>a. API Monogram b. OIL's purchase order no. c. equipment serial number d. Manufacturer's name e. rated working pressure, f. PSL, PR, & Trim designation. g. year of manufacture</p> <p>In addition to above, followings shall be embossed/stamped/punched permanently on the body of each spool / valve :</p> <p>a. API Monogram b. OIL's purchase order no. c. equipment serial number d. manufacturer's name e. rated working pressure & bore size f) material of construction</p> <p>5) Third Party Inspection shall be carried out by Oil India Ltd.'s approved Third Party Inspection Agency for API Specification 6A. The scope of inspection will cover the followings.</p> <p>a. General Design, b. Material, c. Welding (if any), d. Quality Control, e. Equipment Marking, f. Storing, packaging & shipping, g. Radiography test, wherever applicable, h. any other aspects found necessary by TPIA .</p> <p>The TPI report shall be submitted along with the material</p>
---	--

	6) The original equipment manufacturer (OEM) of the casing valves [item 1(f)] shall be same as the original equipment manufacturer (OEM) of the tubing head spool [item 1(a)], failing which the offer shall be rejected.	6) The original equipment manufacturer (OEM) of the casing valves [item 1(f)] shall be same as the original equipment manufacturer (OEM) of the tubing head spool [item 1(a)], failing which the offer shall be rejected.
--	---	---

2) All other Terms & Conditions of the tender remain unchanged.

Sd-
(S. CHAKRABORTY)
Manager (FS)
For CGM - Materials