

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

CORRIGENDUM

Amendment No. 1
to
Tender No.: SDH4735P21/04

1) The item descriptions against the item nos. 10,20,30,40,50,60,70 of this tender has been amended as follows:

<u>Item No.</u>	<u>Existing specification</u>	<u>Amended specification</u>
10	<p>ITEM NO-10: 7.1/16 inches X 10 M Drilling Spool (02 Nos.)</p> <p>DRILLING SPOOLS MANUFACTURED, TESTED AND MONOGRAMMED IN ACCORDANCE WITH API 16A SPECIFICATIONS (LATEST EDITION), MATERIAL CLASS 'EE', TEMPERATURE CLASS 'T-0', PSL-3 AS PER BELOW:</p> <p>1) Drilling spool with vertical bore 7.1/16 inches (179.38 mm), 10,000 PSI (703 kg / sq. cm) working pressure, top & bottom flanged complete with BX-156 alloy 625 lined ring groove. The spool should be complete with two flanged side outlets 2.1/16" X 10 M (52.38 mm x 703 kg/sq.cm.) working pressure, complete with BX-152 alloy 625 lined ring grooves. Both the side outlets should be in the middle of the spool, in the same horizontal plan but in opposite direction.</p> <p>2) The height of the spool should not exceed 30 inches (762 mm).</p> <p>3) All metallic materials should conform to NACE MR 0175 for sour service.</p> <p>4) Accessories for each item:</p> <p>I. Twenty four (24) numbers of studs (1.1/2 inches OD) with two numbers of hexagonal nuts per stud for top and bottom flange.</p> <p>II. Sixteen (16) numbers of studs (3/4" inches OD) with two numbers of</p>	<p>ITEM NO-10: 7.1/16 inches X 10 M Drilling Spool (02 Nos.)</p> <p>DRILLING SPOOLS MANUFACTURED, TESTED AND MONOGRAMMED IN ACCORDANCE WITH API 16A SPECIFICATIONS (LATEST EDITION), MATERIAL CLASS 'EE', TEMPERATURE CLASS 'T-0/250', PSL-3 AS PER BELOW:</p> <p>1) Drilling spool with vertical bore 7.1/16 inches (179.38 mm), 10,000 PSI (703 kg / sq. cm) working pressure, top & bottom flanged complete with BX-156 alloy 625 lined ring groove. The spool should be complete with two flanged side outlets 2.1/16" X 10 M (52.38 mm x 703 kg/sq.cm.) working pressure, complete with BX-152 alloy 625 lined ring grooves. Both the side outlets should be in the middle of the spool, in the same horizontal plan but in opposite direction.</p> <p>2) The height of the spool should be 30 inches (± 2 inches).</p> <p>3) All metallic materials should conform to NACE MR 0175 for sour service.</p> <p>4) Accessories for each item:</p> <p>I. Twenty four (24) numbers of studs (1.1/2 inches OD) with two numbers of hexagonal nuts per stud for top and bottom flange.</p> <p>II. Sixteen (16) numbers of studs (3/4" inches OD) with two numbers of hexagonal nuts per stud for the two side outlet flanges.</p>

	<p>hexagonal nuts per stud for the two side outlet flanges.</p> <p>III. Two (04) numbers of BX-156 and two (04) numbers of BX-152 stainless steel / cadmium plated API Ring joint Gaskets.</p> <p>IV. Two (02) numbers of Blind Flanges with BX-152 alloy 625 lined ring groove manufactured, tested and monogrammed in accordance with latest edition of API 6A Specifications (Product specification level - PSL 3, Temperature class - U and Material Class - EE for H2S service).</p>	<p>III. Two (04) numbers of BX-156 and two (04) numbers of BX-152 stainless steel / cadmium plated API Ring joint Gaskets.</p> <p>IV. Two (02) numbers of Blind Flanges with BX-152 alloy 625 lined ring groove manufactured, tested and monogrammed in accordance with latest edition of API 6A Specifications (Product specification level - PSL 3, Temperature class - U and Material Class - EE for H2S service).</p>
20	<p>ITEM NO-20: 7.1/16 inches X 5M Spacer Spool (04 Nos.)</p> <p>SPACER SPOOL (INTEGRAL CONSTRUCTION) IN ACCORDANCE WITH API 16A SPECIFICATIONS, LATEST EDITION, MATERIAL CLASS 'EE' , TEMPERATURE CLASS 'T-0', QUALITY LEVEL PSL-3 AS PER BELOW FOR EACH SPOOL:</p> <ol style="list-style-type: none"> Spacer spool 7.1/16" x 5 M (179.38 mm x 351.5 kg / sq. cm) working pressure having top & bottom flange complete with RX-46 stainless steel and Inconel 625 lined ring groove. The spool should be 30 inch (± 2 inch) high with 7.1/16" (179.38 mm) vertical bore. All metallic materials should conform to NACE MR 0175 for sour service. Accessories for each item: <ul style="list-style-type: none"> I) Twenty Four (24) numbers of studs (1.3/8 inches OD) with two numbers of hexagonal nuts per stud for top and bottom flange. II) Four (04) numbers of RX-46 stainless steel/cadmium plated API Ring joint Gaskets per spool. 	<p>ITEM NO-20: 7.1/16 inches X 5M Spacer Spool (04 Nos.)</p> <p>SPACER SPOOL (INTEGRAL CONSTRUCTION) IN ACCORDANCE WITH API 16A SPECIFICATIONS, LATEST EDITION, MATERIAL CLASS 'EE' , TEMPERATURE CLASS 'T-0/250', QUALITY LEVEL PSL-3 AS PER BELOW FOR EACH SPOOL:</p> <ol style="list-style-type: none"> Spacer spool 7.1/16" x 5 M (179.38 mm x 351.5 kg / sq. cm) working pressure having top & bottom flange complete with RX-46 stainless steel and Inconel 625 lined ring groove. The spool should be 30 inch (± 2 inch) high with 7.1/16" (179.38 mm) vertical bore. All metallic materials should conform to NACE MR 0175 for sour service. Accessories for each item: <ul style="list-style-type: none"> I) Twenty Four (24) numbers of studs (1.3/8 inches OD) with two numbers of hexagonal nuts per stud for top and bottom flange. II) Four (04) numbers of RX-46 stainless steel/cadmium plated API Ring joint Gaskets per spool.

30	<p>ITEM NO-30: 7.1/16 inches X 10M Spacer Spool (02 Nos.)</p> <p>SPACER SPOOL (INTEGRAL CONSTRUCTION) IN ACCORDANCE WITH API 16A SPECIFICATIONS, LATEST EDITION, MATERIAL CLASS 'EE' , TEMPERATURE CLASS 'T-0', QUALITY LEVEL PSL-3 AS PER BELOW FOR EACH SPOOL:</p> <p>1. Spacer spool 7.1/16" x 10 M (179.38 mm x 703 kg / sq. cm) working pressure having top & bottom flange complete with BX-156 stainless steel and Inconel 625 lined ring groove.</p> <p>2) The spool should be 30 inch (± 2 inch) high with 7.1/16" (179.38 mm) vertical bore.</p> <p>3) All metallic materials should conform to NACE MR 0175 for sour service.</p> <p>4) Accessories for each item:</p> <p>I) Twenty Four (24) numbers of studs (1.1/2 inches OD) with two numbers of hexagonal nuts per stud for top and bottom flange.</p> <p>II) Four (04) numbers of BX-156 stainless steel/cadmium plated API Ring joint Gaskets per spool.</p>	<p>ITEM NO-30: 7.1/16 inches X 10M Spacer Spool (02 Nos.)</p> <p>SPACER SPOOL (INTEGRAL CONSTRUCTION) IN ACCORDANCE WITH API 16A SPECIFICATIONS, LATEST EDITION, MATERIAL CLASS 'EE' , TEMPERATURE CLASS 'T-0/250', QUALITY LEVEL PSL-3 AS PER BELOW FOR EACH SPOOL:</p> <p>1. Spacer spool 7.1/16" x 10 M (179.38 mm x 703 kg / sq. cm) working pressure having top & bottom flange complete with BX-156 stainless steel and Inconel 625 lined ring groove.</p> <p>2) The spool should be 30 inch (± 2 inch) high with 7.1/16" (179.38 mm) vertical bore.</p> <p>3) All metallic materials should conform to NACE MR 0175 for sour service.</p> <p>4) Accessories for each item:</p> <p>I) Twenty Four (24) numbers of studs (1.1/2 inches OD) with two numbers of hexagonal nuts per stud for top and bottom flange.</p> <p>II) Four (04) numbers of BX-156 stainless steel/cadmium plated API Ring joint Gaskets per spool.</p>
40	<p>ITEM NO-40: Adapter Spool (13.5/8" X 10 M to 11" X 10 M) – 04 Nos.</p> <p>ADAPTER SPOOL (INTEGRAL CONSTRUCTION) MANUFACTURED, TESTED AND MONOGRAMMED IN ACCORDANCE WITH API 6A SPECIFICATIONS, LATEST EDITION, MATERIAL CLASS 'EE' , TEMPERATURE CLASS 'U', QUALITY LEVEL PSL-3,PR-1 AS PER BELOW FOR EACH SPOOL:</p> <p>1. Adapter spool 13.5/8" x 10 M (346.1 mm x 703.23 kg / sq. cm) to 11" x 10 M (279.4 mm x 703.23 kg / sq. cm) working pressure having top & bottom flange complete with BX-159 and BX-158 Inconel 625 lined ring groove.</p>	<p>ITEM NO-40: Adapter Spool (13.5/8" X 10 M to 11" X 10 M) – 04 Nos.</p> <p>ADAPTER SPOOL (INTEGRAL CONSTRUCTION) MANUFACTURED, TESTED AND MONOGRAMMED IN ACCORDANCE WITH API 6A SPECIFICATIONS, LATEST EDITION, MATERIAL CLASS 'EE' , TEMPERATURE CLASS 'U', QUALITY LEVEL PSL-3,PR-1 AS PER BELOW FOR EACH SPOOL:</p> <p>1. Adapter spool 13.5/8" x 10 M (346.1 mm x 703.23 kg / sq. cm) to 11" x 10 M (279.4 mm x 703.23 kg / sq. cm) working pressure having top & bottom flange complete with BX-159 and BX-158 Inconel 625 lined ring groove.</p>

<p>2. The adapter spool should be 25" (± 2") high.</p> <p>3. All metallic materials should conform to NACE MR 0175 for sour service.</p> <p>4. Accessories for each Adapter Spool:</p> <p>i) Twenty (20) numbers of studs (1.7/8 inches OD studs) with two numbers of hexagonal nuts per stud for top flange.</p> <p>ii) Sixteen (16) numbers of studs (1.3/4 inches OD studs) with two numbers of hexagonal nuts per stud for bottom flange.</p> <p>iii) Two (02) numbers of BX-159 stainless steel/cadmium plated API Ring joint Gaskets.</p> <p>iv) Two (02) numbers of BX-158 stainless steel/cadmium plated API Ring joint Gaskets</p>	<p>2. The adapter spool should be 30" (± 2") high.</p> <p>3. All metallic materials should conform to NACE MR 0175 for sour service.</p> <p>4. Accessories for each Adapter Spool:</p> <p>i) Twenty (20) numbers of studs (1.7/8 inches OD studs) with two numbers of hexagonal nuts per stud for top flange.</p> <p>ii) Sixteen (16) numbers of studs (1.3/4 inches OD studs) with two numbers of hexagonal nuts per stud for bottom flange.</p> <p>iii) Two (02) numbers of BX-159 stainless steel/cadmium plated API Ring joint Gaskets.</p> <p>iv) Two (02) numbers of BX-158 stainless steel/cadmium plated API Ring joint Gaskets</p>
<p>ITEM NO-50: Adapter Spool (13.5/8" X 10 M to 13.5/8" X 5 M) – 04 Nos.</p> <p>ADAPTER SPOOL (INTEGRAL CONSTRUCTION) MANUFACTURED, TESTED AND MONOGRAMMED IN ACCORDANCE WITH API 6A SPECIFICATIONS, LATEST EDITION, MATERIAL CLASS 'EE', TEMPERATURE CLASS 'U', QUALITY LEVEL PSL-3,PR-1 AS PER BELOW FOR EACH SPOOL:</p> <p>1. Adapter spool 13.5/8" x 10 M (346.1 mm x 703.23 kg / sq. cm) to 13.5/8" x 5 M (346.1 mm x 351.61 kg / sq. cm) working pressure having top & bottom flange complete with BX-159 and BX-160 Inconel 625 lined ring groove.</p> <p>2. The adapter spool should be 25" (± 2") high.</p> <p>3. All metallic materials should conform to NACE MR 0175 for sour service.</p> <p>4. Accessories for each Adapter Spool:</p> <p>i) Twenty (20) numbers of studs (1.7/8 inches OD studs) with two numbers of hexagonal nuts per stud for top flange.</p> <p>ii) Sixteen (16) numbers of studs (1.5/8 inches OD studs) with two numbers of</p>	<p>ITEM NO-50: Adapter Spool (13.5/8" X 10 M to 13.5/8" X 5 M) – 04 Nos.</p> <p>ADAPTER SPOOL (INTEGRAL CONSTRUCTION) MANUFACTURED, TESTED AND MONOGRAMMED IN ACCORDANCE WITH API 6A SPECIFICATIONS, LATEST EDITION, MATERIAL CLASS 'EE', TEMPERATURE CLASS 'U', QUALITY LEVEL PSL-3,PR-1 AS PER BELOW FOR EACH SPOOL:</p> <p>1. Adapter spool 13.5/8" x 10 M (346.1 mm x 703.23 kg / sq. cm) to 13.5/8" x 5 M (346.1 mm x 351.61 kg / sq. cm) working pressure having top & bottom flange complete with BX-159 and BX-160 Inconel 625 lined ring groove.</p> <p>2. The adapter spool should be 30" (± 2") high.</p> <p>3. All metallic materials should conform to NACE MR 0175 for sour service.</p> <p>4. Accessories for each Adapter Spool:</p> <p>i) Twenty (20) numbers of studs (1.7/8 inches OD studs) with two numbers of hexagonal nuts per stud for top flange.</p> <p>ii) Sixteen (16) numbers of studs (1.5/8 inches OD studs) with two numbers of hexagonal nuts per stud for bottom flange.</p>

	<p>hexagonal nuts per stud for bottom flange.</p> <p>iii) Two (02) numbers of BX-159 stainless steel/cadmium plated API Ring joint Gaskets.</p> <p>iv) Two (02) numbers of BX-160 stainless steel/cadmium plated API Ring joint Gaskets.</p>	<p>iii) Two (02) numbers of BX-159 stainless steel/cadmium plated API Ring joint Gaskets.</p> <p>iv) Two (02) numbers of BX-160 stainless steel/cadmium plated API Ring joint Gaskets.</p>
	<p>ITEM NO-60: Adapter Spool (13.5/8" X 5 M to 11" X 5 M) – 04 Nos.</p> <p>ADAPTER SPOOL (INTEGRAL CONSTRUCTION) MANUFACTURED, TESTED AND MONOGRAMMED IN ACCORDANCE WITH API 6A SPECIFICATIONS, LATEST EDITION, MATERIAL CLASS 'EE', TEMPERATURE CLASS 'U', QUALITY LEVEL PSL-3,PR-1 AS PER BELOW FOR EACH SPOOL:</p> <p>1. Adapter spool 13.5/8" x 5 M (346.1 mm x 351.61 kg / sq. cm) to 11" x 5 M (279.4 mm x 351.61 kg / sq. cm) working pressure having top & bottom flange complete with BX-160 and RX-54 Inconel 625 lined ring groove.</p> <p>2. The adapter spool should be 25" (± 2") high.</p> <p>3. All metallic materials should conform to NACE MR 0175 for sour service.</p> <p>4. Accessories for each Adapter Spool:</p> <p>i) Sixteen (16) numbers of studs (1.5/8 inches OD studs) with two numbers of hexagonal nuts per stud for bottom flange.</p> <p>ii) Twelve (12) numbers of studs (1.7/8 inches OD studs) with two numbers of hexagonal nuts per stud for bottom flange.</p> <p>iii) Two (02) numbers of BX-160 stainless steel/cadmium plated API Ring joint Gaskets.</p> <p>iv) Two (02) numbers of RX-54 stainless steel/cadmium plated API Ring joint Gaskets</p>	<p>ITEM NO-60: Adapter Spool (13.5/8" X 5 M to 11" X 5 M) – 04 Nos.</p> <p>ADAPTER SPOOL (INTEGRAL CONSTRUCTION) MANUFACTURED, TESTED AND MONOGRAMMED IN ACCORDANCE WITH API 6A SPECIFICATIONS, LATEST EDITION, MATERIAL CLASS 'EE', TEMPERATURE CLASS 'U', QUALITY LEVEL PSL-3,PR-1 AS PER BELOW FOR EACH SPOOL:</p> <p>1. Adapter spool 13.5/8" x 5 M (346.1 mm x 351.61 kg / sq. cm) to 11" x 5 M (279.4 mm x 351.61 kg / sq. cm) working pressure having top & bottom flange complete with BX-160 and RX-54 Inconel 625 lined ring groove.</p> <p>2. The adapter spool should be 30" (± 2") high.</p> <p>3. All metallic materials should conform to NACE MR 0175 for sour service.</p> <p>4. Accessories for each Adapter Spool:</p> <p>i) Sixteen (16) numbers of studs (1.5/8 inches OD studs) with two numbers of hexagonal nuts per stud for bottom flange.</p> <p>ii) Twelve (12) numbers of studs (1.7/8 inches OD studs) with two numbers of hexagonal nuts per stud for bottom flange.</p> <p>iii) Two (02) numbers of BX-160 stainless steel/cadmium plated API Ring joint Gaskets.</p> <p>iv) Two (02) numbers of RX-54 stainless steel/cadmium plated API Ring joint Gaskets</p>

	<p>ITEM NO-70: Adapter Spool (13.5/8" X 5 M to 11" X 10 M) – 04 Nos.</p> <p>ADAPTER SPOOL (INTEGRAL CONSTRUCTION) MANUFACTURED, TESTED AND MONOGRAMMED IN ACCORDANCE WITH API 6A SPECIFICATIONS, LATEST EDITION, MATERIAL CLASS 'EE', TEMPERATURE CLASS 'U', QUALITY LEVEL PSL-3,PR-1 AS PER BELOW FOR EACH SPOOL:</p> <p>1. Adapter spool 13.5/8" x 5 M (346.1 mm x 351.61 kg / sq. cm) to 11" x 10 M (279.4 mm x 703.23 kg / sq. cm) working pressure having top & bottom flange complete with BX-160 and BX-158 Inconel 625 lined ring groove.</p> <p>2. The adapter spool should be 25" (± 2") high.</p> <p>3. All metallic materials should conform to NACE MR 0175 for sour service.</p> <p>4. Accessories for each Adapter Spool:</p> <p>i) Sixteen (16) numbers of studs (1.5/8 inches OD studs) with two numbers of hexagonal nuts per stud for bottom flange.</p> <p>ii) Sixteen (16) numbers of studs (1.3/4 inches OD studs) with two numbers of hexagonal nuts per stud for bottom flange.</p> <p>iii) Two (02) numbers of BX-160 stainless steel/cadmium plated API Ring joint Gaskets.</p> <p>iv) Two (02) numbers of BX-158 stainless steel/cadmium plated API Ring joint Gaskets</p>	<p>ITEM NO-70: Adapter Spool (13.5/8" X 5 M to 11" X 10 M) – 04 Nos.</p> <p>ADAPTER SPOOL (INTEGRAL CONSTRUCTION) MANUFACTURED, TESTED AND MONOGRAMMED IN ACCORDANCE WITH API 6A SPECIFICATIONS, LATEST EDITION, MATERIAL CLASS 'EE', TEMPERATURE CLASS 'U', QUALITY LEVEL PSL-3,PR-1 AS PER BELOW FOR EACH SPOOL:</p> <p>1. Adapter spool 13.5/8" x 5 M (346.1 mm x 351.61 kg / sq. cm) to 11" x 10 M (279.4 mm x 703.23 kg / sq. cm) working pressure having top & bottom flange complete with BX-160 and BX-158 Inconel 625 lined ring groove.</p> <p>2. The adapter spool should be 30" (± 2") high.</p> <p>3. All metallic materials should conform to NACE MR 0175 for sour service.</p> <p>4. Accessories for each Adapter Spool:</p> <p>i) Sixteen (16) numbers of studs (1.5/8 inches OD studs) with two numbers of hexagonal nuts per stud for bottom flange.</p> <p>ii) Sixteen (16) numbers of studs (1.3/4 inches OD studs) with two numbers of hexagonal nuts per stud for bottom flange.</p> <p>iii) Two (02) numbers of BX-160 stainless steel/cadmium plated API Ring joint Gaskets.</p> <p>iv) Two (02) numbers of BX-158 stainless steel/cadmium plated API Ring joint Gaskets</p>

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

Sd-
(B. DAS)
Sr. Purchase Officer (FS)
For CGM - Materials