

CORRIGENDUM

ADDENDUM No.01 Dated 05.06.2018

To

Tender No. SDG7850P19/09

This Addendum No. 01 dated 05.06.2018 to Tender No. SDG7850P19/09 (for procurement and installation/commissioning of 03(three) Nos. BOP Control Units) is issued to amend the following clauses in place of existing:

| Sl. No | Clause Reference                              | Existing clause description  | Amended to read as  |
|--------|---|--|---|
| 1      | <b>Annexure-I, Part-A, Clause no. 1.2 (a)</b> | One (1) - Positive displacement reciprocating triplex plunger pump with minimum 31.75 mm (1.25") plungers. The pump should be able to deliver minimum 15.80 GPM at 210.92 kg/sq cm (3,000 psi) | One (1) - Positive displacement reciprocating triplex plunger pump with minimum <b>38.10 mm (1.50")</b> plungers. The pump should be able to deliver minimum <b>21 GPM</b> at 210.92 kg/sq cm (3,000 psi) |
| 2      | <b>Annexure-I, Part-A, Clause no. 1.2 (g)</b> | The assembly should be complete with 1.1/2" x 20 mesh suction strainer and 1" x 5,000 psi working pressure discharge check valve.  | The assembly should be complete with <b>2"</b> x 20 mesh suction strainer and <b>1.1/2"</b> x 5,000 psi working pressure discharge check valve.   |

|   |   |  |  |
|---|---|--|--|
| 3 | <b>Annexure-I, Part-A,<br/>Clause no. 1.3 (a)</b> | Three (3) - 8.1/2" air motor driven, 60:1 ratio plunger pumps with self-adjusting packing. This assembly should produce approximately 15 GPM at mid range pressure of 2,000 psi and 12 GPM at 3,000 psi with 125 psi air supply. The air pumps should be able to operate at a minimum supply pressure of 50 psi without stalling.  | <b>Four (4)</b> - 8.1/2" air motor driven, 60:1 ratio plunger pumps with self-adjusting packing. This assembly should produce <b>minimum 20 GPM</b> at mid range pressure of 2,000 psi and <b>minimum 16 GPM</b> at 3,000 psi with 125 psi air supply. The air pumps should be able to operate at a minimum supply pressure of 50 psi without stalling.  |
| 4 | <b>Annexure-I, Part-A,<br/>Clause no. 1.3 (e)</b> | Three (3) - 20-mesh suction inlet strainers.   | <b>Four (4)</b> - 20-mesh suction inlet strainers.   |
| 5 | <b>Annexure-I, Part-A,<br/>Clause no. 1.3 (f)</b> | Three (3) - ½" x 5,000 psi working pressure discharge check valves for the three air pumps.  | <b>Four (4)</b> - ½" x 5,000 psi working pressure discharge check valves for the three air pumps.  |
| 6 | <b>Annexure-I, Part-A,<br/>Clause no. 1.5 (a)</b> | One (1) Air motor driven sub plate mounted, one inch ported, low dead band pressure reducing and regulating valve for controlling annular regulated pressure. The regulator should feature failsafe remote control capability through a pneumatic motor gear drive assembly and additionally should provide manual adjustment at the regulator should pilot pressure for remote control be interrupted. The said regulator should respond to pressure changes on the downstream side with sensitivity sufficient to maintain the set pressure within +/- 150 psi as per requirements of API STD53/16D. This regulator should be able to regulate the accumulator pressure to operating pressure of the annular preventer from zero to 3000 psi and should be stainless steel fitted with 5000 psi WP rated body. | One (1) Air motor driven sub plate mounted, <b>one and half</b> inch ported, low dead band pressure reducing and regulating valve for controlling annular regulated pressure. The regulator should feature failsafe remote control capability through a pneumatic motor gear drive assembly and additionally should provide manual adjustment at the regulator should pilot pressure for remote control be interrupted. The said regulator should respond to pressure changes on the downstream side with sensitivity sufficient to maintain the set pressure within +/- 150 psi as per requirements of API STD53/16D. This regulator should be able to regulate the accumulator pressure to operating pressure of the annular preventer from zero to 3000 psi and should be stainless steel fitted with 5000 psi WP rated body. |

|   |   |  |   |
|---|---|--|---|
| 7 | <b>Annexure-I, Part-A,<br/>Clause no. 1.5 (d)</b> | One (1) 1 inch size, stainless steel fitted, 4-way, 3-position manually operated rotary shear seal manipulator / selector valve rated for 5,000 psi working pressure for controlling pressure to open & close the annular preventer. This valve should be isolated from the manifold valve circuit and should receive supply pressure from the annular regulator.  | One (1) <b>one and half inch</b> size, stainless steel fitted, 4-way, 3-position manually operated rotary shear seal manipulator / selector valve rated for 5,000 psi working pressure for controlling pressure to open & close the annular preventer. This valve should be isolated from the manifold valve circuit and should receive supply pressure from the annular regulator.   |
| 8 | <b>Annexure-I, Part-A,<br/>Clause no. 3.0</b>     | PIPE RACK MODULE: TWO NUMBERS<br><br>Pipe rack module should be provided in 20-foot sections. Each section should consist of 12 (twelve) 1 inch extra heavy duty schedule 160 pipe with 25.4 mm (1 inch) hammer lug unions at each end. All pipes are to be covered with a walkway type grating. The pipe racks should be painted with primer coat and finished with acrylic enamel paint. It should include 1 (one) complete extra hammer union per pipe run. | PIPE RACK MODULE: TWO NUMBERS<br><br>Pipe rack module should be provided in 20-foot sections. Each section should consist of <b>10 (ten)</b> 1 inch extra heavy duty schedule 160 pipe with 25.4 mm (1 inch) hammer lug unions at each end <b>and 02 (two) 1.1/2 inch extra heavy duty schedule 160 pipe with 38.10 mm (1.1/2 inch) hammer lug unions at each end.</b> All pipes are to be covered with a walkway type grating. The pipe racks should be painted with primer coat and finished with acrylic enamel paint. It should include 1 (one) complete extra hammer union per pipe run. |
| 9 | <b>Annexure-I, Part-A,<br/>Clause no. 4.0</b>     | SWIVEL JOINT MODULE: TWO SETS<br><br>Each swivel joint module should consist of Twelve (12) one inch lines with two (2) swivel joints and one (1) hammer union, for connecting the Pipe Rack Module to the Accumulator Unit. The total length of swivel joints should be 20 feet per line in open condition.   | SWIVEL JOINT MODULE: TWO SETS<br><br>Each swivel joint module should consist of <b>Ten (10)</b> one inch lines with two (2) swivel joints and one (1) hammer union <b>and Two (02) one and half inch lines with two (2) swivel joints and one (1) hammer union,</b> for connecting the Pipe Rack Module to the Accumulator Unit. The total length of swivel joints should be 20 feet per line in open condition.  |

|    |   |  |   |
|----|---|--|---|
| 10 | <b>Annexure-I, Part-A,<br/>Clause no. 5.0</b> | <p>FLEXIBLE STEEL HOSE FOR BOP CONTROL LINES: TWELVE NUMBERS</p> <p>Twelve Numbers of 1 inch Stainless Steel Wire Braided hydraulic hoses rated to 5000 psi working pressure of 15m length conforming to SAE 100 R 13 with outside stainless steel covering having 1 inch hammer union with male at one end &amp; female at another end shall be provided. (Required 12 numbers each 15 metres length)</p> | <p>FLEXIBLE STEEL HOSE FOR BOP CONTROL LINES: TWELVE NUMBERS</p> <p>a) Ten Numbers of one inch Stainless Steel Wire Braided hydraulic hoses rated to 5000 psi working pressure of 15m length conforming to SAE 100 R 13 with outside stainless steel covering having 1 inch hammer union with male at one end &amp; female at another end shall be provided. (Required 10 numbers each 15 metres length)</p> <p>b) Two numbers of one and half inch Stainless Steel Wire Braided hydraulic hoses rated to 5000 psi working pressure of 15m length conforming to SAE 100 R 13 with outside stainless steel covering having 1.1/2 inch hammer union with male at one end &amp; female at another end shall be provided. (Required 02 numbers each 15 metres length)</p> |
|----|---|--|---|

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

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