OIL INDIA LIMITED
(A Govt. of India Enterprise)
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Tender No. & Date	:	**SDG7850P19/09 dated: 30.04.2018**
Tender Fee	:	**INR 30,000.00 OR USD 500.00**
Bid Security Amount	:	**INR 11,29,000.00 OR USD 17,500.00**
Bidding Type	:	**SINGLE STAGE TWO BID SYSTEM**
Period of Sale of Bid Documents	:	**From 03.05.2018 to 13.06.2018; 15:30 Hrs(IST)**
Bid Closing on	:	**20.06.2018 (at 11.00 Hrs. IST)**
Technical Bid Opening on	:	**20.06.2018 (at 14.00 Hrs. IST)**
Bid Validity	:	**Bid should be valid for 120 days from bid closing date.**
Bid Bond Validity	:	**Bid Bond Should be valid up to 20.01.2019**
Performance Guarantee	:	**Applicable @ 10% of Order value**
Integrity Pact	:	**Applicable**
List of Annexures Applicable	:	**Annexure - I: Specifications, General & Special notes to bidders** **Annexure- II: Bid evaluation & Rejection Criteria** **Annexure- III: Check Lists** **Annexure-IV: Certificate of Annual Turnover & Net Worth** **Annexure - V: Technical Evaluation Matrix (Technical Specs.)** **Annexure- VI: Technical Evaluation Matrix (BEC)**

AA :: TECHNICAL SPECIFICATIONS

SL NO	ITEM DESCRIPTION	QUANTITY
10	200 GALLON BOP CONTROL UNIT WITH REMOTE CONTROL PANELS & ACCESSORIES BOP Control Unit (200 Gallons) with Remote Control Panels (RCPs) and other accessories manufactured, tested and certified in conformance with API Spec 16 D, **as per specifications detailed hereunder vide PART-A & PART-B.**	03 Nos.
20	INSPECTION, INSTALLATION, COMMISSIONING AND TESTING against item no. 10, **as per the scope of work detailed hereunder vide PART-A & PART-B.**	01 AU

DETAILED SPECIFICATION & SCOPE OF WORK

200 GALLON BOP CONTROL UNIT WITH REMOTE CONTROL PANELS & ACCESSORIES - 3 SETS

BOP Control Unit (200 Gallons) with Remote Control Panels (RCPs) and other accessories manufactured, tested and certified in conformance with API Spec 16 D, as per detailed specifications hereunder. [**Note: Specifications & requirements at PART-A correspond to one (01) number BOP control unit with RCPs & accessories only**]

PART -A:

1) DETAILED SPECIFICATION OF 200 GALLON BOP CONTROL UNIT AND ACCESSORIES FOR DRILLING RIGS

1.1 ACCUMULATOR SYSTEM: ONE NUMBER

Consisting of the following minimum features -

(a) Twenty (20) bladder type & cylindrical style accumulators each of eleven (11) gallon capacity, 3000 psi WP, without any welds, seams or joints. The accumulator shell is to be manufactured from a single piece of chrome molybdenum steel with 4:1 safety margin above maximum WP. The accumulator assembly should be top loading designed to be pre-charged with nitrogen to 1000 +/- 100 psi, should be tested up to 4500 psi and meet USCG / API requirements and should be provided with ASME U-1A certificates. Each accumulator should be complete with an isolation valve.

(b) Four (4) - 4.1/2" OD machined steel accumulator manifolds provided with five (5) ports each. These manifolds should be free from welds, seams or joints and meet ASME requirements for working pressure up to 5,000 psi. Each accumulator manifolds should be equipped with an isolation and bleed valve to permit isolation of approximately twenty five percentage of the accumulators for maintenance or

checking pre-charge pressure while maintaining the remaining accumulated capacity in operation. Each accumulator manifold should also be provided with a 0 – 6000 psi pressure gauge.

(c) One (1) 3500 psi Pressure relief valve set at 3,300 psi. The pressure relief valve shall prevent over pressurization of the accumulators and pump system and should be self-resetting.

(d) One (1) 350 gallon fluid reservoir complete with baffles, 4 inches inspection ports, metal protected sight level gauges, air vent, drain and 14 inches cleanout man way. Space should also be provided for five (5) manifold valves and one (1) annular valve.

(e) One (1) – minimum five (05) station machined unit mounted hydraulic control manifold rated at 5,000 psi WP. The machined manifold shall be free from welds, seams or joints and is to be used to supply hydraulic pressure to the hydraulic control manifold function valves.

(f) One (01) alternate source valve with nominal bore size at least equal to the control manifold supply piping size shall be provided for supply of control (hydraulic) fluid from an alternative pump source. This valve shall be designed to be plugged when not in use.

(g) One (01) tank fluid level indicator located in front of the reservoir.

(h) The assembly should be complete with 1" Schedule 160 heavy duty supply pressure piping rated for 5,000 psi WP. It should be assembled on a welded structural steel heavy duty oilfield type skid with mounting provisions for electric pump assembly, air pump assembly, hydraulic control manifold and interface modules etc. as described in the following paragraphs of tender specifications.

(i) Supply pressure isolation valves and bleed down valves shall be provided on each accumulator bank to facilitate checking the pre-charge pressure or draining the accumulators back to the control fluid reservoir.

1.2 ELECTRIC PUMP ASSEMBLY: ONE NUMBER

Electric motor powered triplex pump assembly should be mounted on the control unit and be used to pump system fluid stored in the reservoir at atmospheric pressure up to 3,000 psi to charge the accumulators for operating the BOP stack functions. It should consist of the following minimum features: -

(a) 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)

(b) One (1) - Nominal ratio mechanical chain and sprocket drive assembly encased in an oil-bath type chain guard.

(c) One (1) – Horizontal, foot mounted, minimum 30 HP, 50 Hz, 3-phase, 415 VAC explosion proof, flame proof electric motor with thermal overload protection. Make and certifications are to be indicated in the quotation.

(d) One (1) – Explosion proof electric motor starter with Hand/Off/Auto (HOA) mode selector switch and over-current protection. Starter should be rated for a minimum of 40HP. Make and certifications are to be indicated in the quotation.

(e) One (1) - Explosion proof electric dual adjustment Pressure Switch set to automatically stop the pump when system pressure reaches 3,000 psi and restart the pump when system pressure drops to nominal 2,700 psi. Make, Part no. / Cat no. of the pressure switch is to be specified by the bidder in the quotation.

(f) One (1) Flame-proof & explosion-proof Junction Box should be provided for connection of incoming, outgoing cables. Make and certifications are to be indicated in the quotation.

(g) 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.

1.2.1 DETAILS OF MOTOR:

Flame proof, squirrel cage induction motor suitable for hazardous areas of oilfields, Zone I and Gas group IIA & II B, and, conforming to IS/IEC/EN 60079-0:2011 & IS/IEC/EN 60079-1:2007.

Parameter	**Requirement**
Power Rating	30 HP (Minimum)
Voltage	415VAC
Frequency	50 Hz
Phases	3 (Three Phase)
Rated pf	0.8 or better
Insulation Class	“F” with temperature limited to Class “B”
Ambient Temperature	50 DegC
Humidity	95 %
Frame Size	To be specified by bidder
RPM	To be specified by bidder
Enclosure protection	IP 55 (minimum)
Enclosure type	Ex-d
Duty cycle	S1 (Continuous)
Cooling	TEFC (Totally Enclosed Fan Cooled)
Mounting	B3 (Foot mounted)
Rotation	Bi-directional
Efficiency	IE2 Class (Minimum)
Starting	DOL
Make	Kirloskar / CGL / Marathon / LHP / BB

1.2.2 DETAILS OF STARTER:

Flame proof (Type Ex-d) DOL starter, suitable for above motor to operate BOP Control unit in “Auto” and “local” mode. However, the minimum rating of the starter should be 40 HP.

The starter should contain the following features:

i) Contactor for motor starting duty (DOL), rated for the motor supplied.
ii) Overload Relay – with hand (Manual) reset. The manual reset function should be carried out without opening the starter cover.
iii) “Hand-Off-Auto” selector switch – allows user to run the motor manually, as well as with all interlocks in place (“Auto” mode).
iv) Start-Stop push buttons to start and stop the motor; with all interlocks in place.

v) 415 VAC control coil in the contactor (as the system has no neutral wire).
vi) Cable entry – Minimum 3 Nos. of ¾" ET, suitable for fixing metal cable gland.

Bidders are required to forward details of all the components used in the starter panel, like contactor, O/L relay and other protective devices, i.e. fuses, switches, etc. with its make and rating.

1.2.3 DETAILS OF JUNCTION BOX

The Junction Box should be Flameproof (Type Ex-d, as per IS/IEC/EN 60079-0:2011 & IS/IEC/EN 60079-1:2007), with provisions of cable entry and exit through double compression cable glands.

1.2.4 NOTE (for Electrical items):

(i) Motor, Starter, Junction Box and Double Compression Cable Gland shall be of flameproof construction (Type Ex-d), suitable for use in oilfield hazardous area, Zone-I and Gas group IIA & II B and conform to IS/IEC/EN 60079-0:2011 & IS/IEC/EN 60079-1:2007

The bidders shall submit test reports conforming to the above relevant standards from an Indian Government Laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body, which is not a part of manufacturer's facility.

Copies of above certificates should be enclosed with the quotation as well as with the supply of materials.

(ii) Certified explosion-proof double compression cable gland should be fitted with the motor, starter and junction box. Bidders should confirm this in their quotation.

(iii) All inter-connection of cables should be done with suitably rated EPR insulated cable.

(iv) Wiring & schematic drawing of the starter and dimensional drawing of the motor must be provided along with the offer.

(v) Each motor, Starter & Junction boxes should be provided with two separate body earthing points. Double earthing of motor, starter, & inter-connection between electrical equipment should be done. Bidders should confirm this in their quotation. There should also be adequate provision for connecting the BOP Control Unit skid to earth from at least two different and distinct points on the skid.

(vi) Electrical System available at the well-site is 3 phase 3 wire, without neutral. The motor starting and running system should thus be designed for 3 phase 3 wire system, without neutral.

(vii) Oil India Limited shall provide one power cable from the source of power through a 40 HP feeder up to the FLP Junction Box. All other cabling and control wiring is in the scope of supplier.

(viii) MCCB of appropriate rating should be used in the FLP DOL starter instead of Fuse Switch.

1.3 AIR PUMP ASSEMBLY: ONE NUMBER

This unit shall be mounted on the BOP control unit and is to be designed such that it can be used in conjunction with the primary electric pump. It should consist of the following minimum features:

(a) 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) Two (2) - Hydro pneumatic pressure switches. These switches shall be connected in series with each other. One should be set at 2,900 psi to shut the air pump off at normal operating pressure and automatically restart at 2,600 psi while the other shall be set at 4,500 psi to limit the discharge pressure when operating in by-pass mode and automatically restart at 4,200 psi.

(c) One (1) - 1/2" manually operated comb valve for by-passing the low-pressure hydro pneumatic pressure switch.

(d) One (1) - 1" air control supply manifold with 3 (three) pump shut-off valves, inlet air filters, airline lubricator, air pressure gauge and 1" NPT female customer inlet connection.

(e) Three (3) - 20-mesh suction inlet strainers.

(f) Three (3) - ½" x 5,000 psi working pressure discharge check valves for the three air pumps.

1.3.1 NOTE:

(i) Each pump system shall be protected from over pressurization by a minimum of two (2) devices designed to limit the pump discharge pressure.

(ii) With the accumulators isolated from service, each pump system should have the capacity to close one annular BOP and open the HCR valve in the choke line and provide the minimum system operating pressure within two (2) minutes. The maximum closing volume of Annular BOP is taken as 40.16 gallons of NOV (Shaffer) 13 ⅝”- 10M Annular BOP i.e. the Maximum closing volume requirement of Annular BOP in use and HCR opening volume taken as 1 gallon each.

(iii) The combined output of both pump assembly (electric and air) shall be capable of charging the entire accumulator system from pre-charge pressure to the maximum rated control system working pressure within 15 minutes.

1.4 A PROTECTIVE STEEL COVER SHALL BE PROVIDED FOR THE PUMPS AND CONTROLS.

1.5 HYDRAULIC CONTROL MANIFOLD: ONE NUMBER

Mounted on the BOP control unit and consisting of the following minimum features:

(a) 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.

(b) One (1) manually operated sub plate mounted, one inch ported, pressure reducing and regulating valve for controlling manifold regulated pressure to the ram type preventers and / or hydraulically actuated choke and kill line valves. This regulator should be manually adjustable and should limit the maximum outlet pressure to 1,500 psi during normal operation. The said regulator should be stainless steel fitted with 5000 psi WP rated body and should be able to regulate from 0 - 1,500 psi.

(c) A minimum of one (1) 25 micron filter should be installed in the supply line to each hydraulic regulator.

(d) 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.

(e) Minimum Five (5) 1 inch size stainless steel fitted, 4-way, 3-position manually operated rotary shear seal manipulator / selector valves rated for 5,000 psi working pressure for controlling pressure to open & close ram preventers and / or hydraulically actuated choke & kill line valves.

(f) One (01) shear / blind ram guard mounted on the 4way valve to prevent accidental operation of the shear / blind RAM.

(g) One (01) 1 inch size, 4-way, 2-position 5,000 psi WP, manually operated rotary shear seal bypass valve for operation of the manifold regulator by-pass function. This valve should allow selection of regulated pressure or 3,000 psi (full accumulator pressure) to the manifold valves for emergency operation of the ram type preventers.

(h) Control valves should be labelled with the following name plates:

1. Annular
2. Upper Pipe Ram
3. Blind / Shear Ram
4. Lower Pipe Ram
5. Choke line
6. Kill line
7. By pass valve

(i) One (1) bolt on gauge panel assembly with glycerine filled dual scale, panel mounted, 6" face pressure gauges complete with pulsation dampeners for direct indication of: -

i) Accumulator pressure : 0 - 6,000 psi
ii) Manifold regulated pressure : 0 - 10,000 psi
iii) Annular regulated pressure : 0 - 3,000 psi

(j) One (1) - 10,000 psi working pressure manifold bleeder valve for bleeding system pressure to the reservoir when required for maintenance.

(k) One (1) - Manifold self-resetting relief valve set at 5,000 psi.

(l) One (1) – 1 inch shut off valve (isolation valve) for isolation of triplex pump.

(m) One (1) ¼ inch, 4-way, 3 position valve for increase / decrease control of the annular regulator pressure rating.

(n) Supply piping and outlet pipes to the preventers for 5000 PSI working pressure with 1 inch Fig. 602 hammer unions mounted on the ends.

1.6 INTERFACE MODULE: ONE NUMBER

Electric explosion proof Interface Module rated for Class-1, Division-1 hazardous area. This module should permit remote control of the manifold functions from minimum two remote control panels. It shall be mounted on the BOP control unit and should consist of the following minimum features:

(a) Stainless steel enclosure, air purged design, suitable for Class-1, Division-1 hazardous area operation.

(b) Six (6) - 3" x 2" Air cylinders complete with mounting brackets, plumbing items and fittings installed on the 4-way rotary shear seal valves on the hydraulic manifold for remote operation of the BOP stack functions.

(c) One (1) air cylinder complete with mounting brackets, plumbing items and fittings installed on the by-pass valve for remote operation of the manifold regulator by-pass function.

(d) One (1) annular regulator pneumatic drive installation kit consisting of:

i) Two (2) quick exhaust air valves
ii) One (1) Air pressure regulator with gauges
iii) One (1) Air lubricator
iv) One (1) manually operated air directional control valve, spring centered with air pilot operators for remote control and local increase / decrease control

(e) One four (4) transducer assembly for remote indication of annular, manifold, accumulator and rig air pressures at remote panels.

(f) Interfaces for alarms for low rig air pressure, low system pressure, low reservoir fluid level, system on standby power and electric pump run indication.

(g) Interfaces for operation of all valves.

(h) One (1) Ten (10) gallons air receiver for air back-up.

(i) One (1) float operated explosion switch installed in the fluid reservoir actuated by low fluid level. The switch should be hardwired to the interface junction box using cable glands and armoured cable rated for Division-1 hazardous area installation.

(j) Two (2) 150 feet length of 61 conductors, bronze armoured, 16 AWG electric cables, fixed with explosion proof gland on one side and 60 pins connectors on the other side.

1.7 SUITABLE CANOPY TOP OVER THE BOP CONTROL UNIT WITH FLANGED CONNECTIONS TO FACILITATE REMOVEL: ONE NUMBER

2.1 GRAPHIC ELECTRIC EXPLOSION PROOF DRILLER REMOTE CONTROL PANEL (RCP): ONE NUMBER

Electric explosion proof Driller Remote Control Panel rated for Class-1, Division-1 hazardous area operation with graphic illustrations of BOP stack and should consist of the following minimum features:

(a) Stainless steel enclosure, air purged design, suitable for Class-1, Division-1 hazardous area operation.

(b) Electric meters for digital read out of accumulator, manifold, annular and rig air pressures.

(c) Push buttons with indicating lights for operation and position indication of BOP functions.

(d) Master push button for two-hand operation.

(e) Lockout for blind / shear ram push button.

(f) Push buttons for open / close function for one (1) annular and five (05) manifold valves.

(g) Push buttons with indicating lights for high / low function of by-pass valve.

(h) Push buttons for increase / decrease of annular regulator pressure setting.

(i) Lamp test button

(j) Electric pump run indication

(k) Audible and visual alarm indication for low reservoir fluid level, low system pressure, low rig air pressure and system on standby power. Alarm silence and alarm reset switch.

(l) One (1) explosion proof receptacle for connection to interconnect cable assembly.

(m) Control push buttons should have the following name plates:

1. Annular
2. Upper Pipe Ram
3. Blind Ram
4. Lower Pipe Ram
5. Choke line
6. Kill line
7. By pass valve.

(n) Air Cooler & Air Purge.

(o) Power supply cable to be provided and should be 15m in length.

(p) Explosion proof uninterrupted power supply for complete panel and rated for Class-1, Division-1 hazardous area operation.

i) 230 VAC input, 24 VDC output
ii) Light indication for 'MAINS ON' and 'System on Standby Power'

2.2 GRAPHIC ELECTRIC WEATHER PROOF TOOL PUSHER REMOTE CONTROL PANEL (RCP): ONE NUMBER

Electric weather proof Tool Pusher Remote Control Panel with graphic illustrations of BOP stack and should consist of the following minimum features:

(a) Stainless steel enclosure, weather proof design, suitable for safe area operation.

(b) Electric meters for digital read out of accumulator, manifold, annular and rig air pressures.

(c) Push buttons with indicating lights for operation and position indication of BOP functions.

(d) Master push button for two-hand operation.

(e) Lockout for blind / shear ram push button.

(f) Push buttons for open / close function for one (1) annular and five (05) manifold valves.

(g) Push buttons with indicating lights for high / low function of by-pass valve.

(h) Push buttons for increase / decrease of annular regulator pressure setting.

(i) Lamp test button

(j) Electric pump run indication

(k) Audible and visual alarm indication for low reservoir fluid level, low system pressure, low rig air pressure and system on standby power. Alarm silence and alarm reset switch.

(l) One (1) explosion proof receptacle for connection to interconnect cable assembly.

(m) Control push buttons should have the following name plates:

1. Annular
2. Upper Pipe Ram
3. Blind Ram
4. Lower Pipe Ram
5. Choke line
6. Kill line
7. By pass valve.

(n) Power supply cable to be provided and should be 15m in length.

(o) Uninterrupted power supply with battery back-up for complete panel and rated for safe area.

i) 230 VAC input, 24 VDC output
ii) Light indication for 'MAINS ON' and 'System on Standby Power'

3.0 PIPE RACK MODULE: TWO NUMBERS

Pipe rack module should be provided in 20-feet 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.

4.0 SWIVEL JOINT MODULE: TWO SETS

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.

5.0 FLEXIBLE STEEL HOSE FOR BOP CONTROL LINES: TWELVE NUMBERS

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 & female at another end shall be provided. (Required 12 numbers each 15 metres length)

6.0 TOOL BOX SET: ONE SET

(Containing all hand tools for regular maintenance of the unit)

PART-B:

Requirements as per PART-B correspond to THREE (03) numbers of BOP control unit with Remote Control Panel

1.0 ACCESSORIES:

(a) Charging & Gauging Assembly for pre-charging of the accumulator bottles – Two Sets
(b) Bladder Pull Rod – Two Numbers (For easy replacement of the separator bottle bladder)
(c) Valve Core Tool – Two Numbers (For easy removal and installation of the valve cores which are included with separator type bottles)
(d) Spanner Wrench – Two Numbers

2.0 ELECTRICAL SPARES:

One set of the following Electrical Spares should be supplied with each BOP-CU:

(a) Flameproof Electric DOL Starter for motor, (identical to para 1.2.2 in PART–A), rated for 40 HP minimum, fitted with all internal components (Contactor / OLR etc.) – Qty: One Number
(b) Lifting eye, for lifting the motor – Qty: One Number

2.1. Drawings and documents:

a) Electrical Circuit diagram of the Starter panel indicating make and rating of all the components.

(b) Spare parts list with exploded view of each and every items including all sub-accessories and electrical components and all test certificates - QUANTITY ONE (1) SET

3.0 EXPLOSION PROOF HYDRAULIC ELECTRIC PRESSURE SWITCH (EXTRA): TWO NUMBERS

4.0 OPERATIONS, MAINTENANCE, SERVICE MANUAL AND SPARE PARTS BOOK WITH EXPLODED VIEWS OF EACH AND EVERY ITEM OF THE BOP CONTROL UNIT INCLUDING ALL SUB-ACCESSORIES AND ELECTRICAL COMPONENTS AND ALL TEST CERTIFICATES: THREE SETS

4.1 The data package should, as a minimum, consist of:

i) COC – Certificate of Compliance
ii) COIT – Certificate of Inspection Test
iii) COW – Certificate of Warranty
iv) COO – Certificate of Origin
v) U-1A ASME Certificates for Accumulators

Bidder to confirm categorically to provide all of the above along with the supply in the technical bid.

5.0 PRE DISPATCH INSPECTION

Pre-dispatch inspection by OIL engineers at the manufacturer's works (inclusive of electrical items) shall be carried out before effecting delivery considering the critical nature of the item. Inspection / testing charges, if any, should be quoted separately and shall be considered for evaluation of the offer. All to & fro air fares, boarding & lodging etc. of OIL Inspection Engineers shall be to OIL's account. However, all facilities for inspection / testing shall be provided by the bidder to OIL's Inspection Team. Bidders should take action and notify OIL accordingly at least 3 (three) weeks in advance.

6.0 INSTALLATION, COMMISSIONING AND TESTING

(a) Bidders should categorically confirm that the Installation & Commissioning of the BOPCU would be carried out by their competent personnel at suitable location in or around Duliajan, ASSAM, INDIA upon receipt of the unit at Duliajan.

(b) Bidder should also categorically confirm that testing of all the items of the BOPCU will be carried out by their competent personnel at OIL's suitable location in or around Duliajan, Assam, India in the event of supply and submit a Test report to OIL within 15 days from completion of testing.

(c) The installation and commissioning charges of the item should be separately quoted by the bidder which shall be considered for evaluation of the offers. These charges should include amongst others to and fro fares, boarding / lodging, local transport at Duliajan, to & fro transportation to site from Duliajan and other expenses of supplier's commissioning personnel during their stay at Duliajan, Assam (India). However, the basic facilities for installation & commissioning such as Crane service, electric power, water supply, pressurized air etc shall be provided by OIL.

7.0 NOTE:

(a) The BOP Control Unit should be capable of closing each ram BOP within 30 seconds. Closing time should not exceed 30 seconds for annular BOP smaller than 18.3/4" nominal bore and 45 seconds for annular BOP with nominal bore 18.3/4" and above. Closing time for choke & kill line valves should not exceed 30 seconds. Bidder to confirm the same while quoting.

(b) The bidders should specify any other auxiliaries required to operate the BOP control unit. In case it is not specified, it will be presumed that no additional component is required. Bidders are required to confirm this while quoting.

BB:: SPECIAL NOTES TO BIDDERS

1. The BOP control units shall be manufactured, tested and certified in accordance with API Spec 16D. A copy of valid API Spec 16D certificate of the manufacturer should be forwarded along with the quotation.

2. Marking shall be done as per API specification 16D.

3. Bidders to provide ASME Certificates for Accumulators along with the technical bid.

4. Bidder should forward technical literature, catalogue, drawings with exploded views of each & every item, and a list of recommended spares for two (02) years operation for the quoted items indicating part numbers, quantity & unit price separately along with the quotation in the commercial bid and categorically confirm the same in the technical bid (price should not be mentioned in the technical bid). However the cost of these spares will not be considered for bid evaluation purpose. The price should remain valid for at least two (02) years.

5. Bidders shall confirm the name of the manufacturer and country of origin of all the offered items including electrical equipments in their quotations.

6. All electrical equipment such as AC motor, starter, pressure switch, cables & conductor fittings, light fittings, Driller Remote Control Panel with all electrical accessories etc should be suitable for use in hazardous area of zone-I and gas group IIA &IIB in oil mine and shall conform to IS/IEC/EN: 60079-0:2011 & IS/IEC/EN: 60079-1:2007 and bidders are to confirm the same while quoting.

   The bidders shall submit test reports conforming to the above relevant standards from an Indian Government Laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body, which is not a part of manufacturer's facility.

   Copies of above certificates should be enclosed with the quotation as well as with the supply of materials.

7. All electrical cables shall conform to the provisions stipulated in line with IS-9968 read with the latest BHEL specifications (OR12003, OR12002 & OR12005) as the case may be.

8. The BOP control units shall be supplied with a suitable canopy.

9. Bidders shall confirm that the BOP control unit(s) with RCP(s) and accessories shall be complete in all respects and in ready to use condition.

10. The skid shall be provided with a suitable lifting eye pads to avoid damage during lifting & transportation.

11. All the items will be procured from the same source for compatibility.

12. In the event of an order, the items should be guaranteed against any manufacturing defect, workmanship etc. for a period of 18 months from the date of dispatch or 12 months from the date of commissioning whichever is earlier. In the event any item is found defective, then it should be replaced by the supplier free of cost without any burden on Oil India Limited. Bidders must confirm the same in their quotations.

13. Bidders should categorically confirm that the Installation & Commissioning of the BOPCU would be carried out by their competent personnel at suitable location in or around Duliajan, ASSAM, INDIA upon receipt of the unit at Duliajan. The installation and commissioning charges of the item should be separately quoted by the bidder which shall be considered for evaluation of the offers.

    The date for installation shall be intimated to the bidder 15 days in advance by OIL and the Commissioning shall be completed within 4 (four) weeks after receipt of all the items at Duliajan.

14. Bidder to sign and submit completely filled up Technical check list and Technical Evaluation Matrix for Bid evaluation criteria and Technical specification.

15. Bidder should note that in the event of an order the API licenses for manufacturing the BOP Control Units along with authorization for API monogramming should be valid, without any break, till execution of purchase order. Bidder to submit valid relevant API certificate along with the supply. Bidder should categorically confirm compliance while quoting.

16. Bidders should categorically confirm compliance in their offers to all the above points while quoting.

CC:: GENERAL NOTES TO BIDDERS

Sl No	Clause description
1.0	**Tender Fee – Tender fee must be paid online through OIL's payment gateway only and no other instrument (Cash/DD/Cheques/Cashier Cheque, etc) will be acceptable.**

2.0	**Bid Security/EMD/Performance Bank Guarantee – Must be paid either through online mode or Submission of Bank Guarantee/LC only. No DD/Cheques/Cashier Cheque or any other mode will be acceptable.**
3.0	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 Amendments & Addendum to "General Terms & Conditions" for e-Procurement.
4.0	Bid must be submitted online through OIL's e-procurement portal. Bid submitted in any other form will be rejected.
5.0	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 scribing tender no. and due date to The DGM Materials, Materials Department, Oil India Limited, Duliajan- 786602, Assam on or before 13:00 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 documents which have been particularly asked for in this tender for submission.**
6.0	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.
7.0	The tender is invited under **SINGLE STAGE-TWO 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 12.04.2017) " available in the login Page of the OIL's E-tender Portal.**

	
8.0	In Technical Bid opening, only Technical Rfx will be opened. Therefore, the bidder should ensure that "TECHNO-COMMERCIAL UNPRICED BID should contain details as mentioned in the technical specifications as well as BEC/ BRC and upload the same in the Technical RFx Response-> User - > Technical Bid. **No price should be given in above Technical Rfx otherwise the offer will be rejected.** Please go through the help document in details before uploading the document and ensure uploading of technical bid in the Technical RFx Response-> User - > Technical Bid only. The "PRICE BID" must contain the price schedule and the bidder's commercial terms and conditions. Details of prices as per Bid format / Commercial bid can be uploaded as Attachment under the attachment option under "Notes & Attachments".
9.0	PRICED BIDS OF ONLY THOSE BIDDERS WILL BE OPENED WHOSE OFFERS ARE FOUND TO BE TECHNO-COMMERCIALLY ACCEPTABLE.
10.0	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 rejection of its offer without seeking any clarifications.
11.0	Please mention clearly in your quotation the Net. Weight, Gross Weight & Volume, Indian Agent's Name and its Commission, Payment Terms, Ocean Freight/Air Freight Charges, Port of Loading, Delivery period, Country of origin with manufacturer's name, etc.
12.0	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 toto must be received on or before the deadline given by OIL, failing which the offer will be summarily rejected.
13.0	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.
14.0	All the Bids must be Digitally Signed using "Class 3" digital certificate (e-commerce application) only as 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. The bid signed using other than "Class 3" digital certificate, will be liable for rejection.
15.0	Please do refer the User Manual provided on the portal on the procedure How to create Response for submitting offer.
16.0	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 and Small Enterprises (MSE) 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.
17.0	The items shall be brand new, unused & of prime quality. The manufacturer shall warrant (in the event of an order) that the product supplied will be free from all defects & fault in material, workmanship & manufacture and shall be in full conformity with ordered specifications. This clause shall be valid for 18 months from date of shipment or 12 months from date of commissioning and handing over to OIL, whichever is earlier. The defective materials, if any, rejected by OIL shall be replaced by the supplier at their own expense. Bidders must confirm the same in their quotations.
18.0	Quantity of Individual item may be increased or decrease at the time of final placement of order. The minimum FOB/FCA charges in case of partial order for reduced quantity/enhanced quantity shall have to be indicated by the bidder. In case, this is not indicated specifically, the charges quoted would be pro-rata calculated and the same will be binding on the bidder.
19.0	Any deviation(s) from the tender specification should be clearly highlighted specifying justification in support of deviation.
20.0	The Integrity Pact is applicable against this tender .OIL shall be entering into an Integrity Pact with the bidders as per format enclosed alongwith the tender document. This Integrity Pact proforma has been duly signed digitally by OIL's competent signatory. The proforma has to be returned by the bidder (along with the technical bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid. If any bidder refuses to sign Integrity Pact or declines to submit Integrity Pact

	with the offer, their bid shall be rejected straightway. OIL's Independent External Monitors at present are as under: SHRI RAJIV MATHUR, IPS (Retd.), Former Director (IB) Govt. of India e-Mail ID : rajivmathur23@gmail.com SHRI SATYANANDA MISHRA, IAS(Retd.) Former Chief Information Commissioner & Ex-Secretary, DOPT, Govt. of India E-mail Id : satyanandamishra@hotmail.com SHRI JAGMOHAN GARG, Ex-Vigilance Commissioner, CVC e-Mail id : jagmohan.garg@gmail.com
21.0	**Original Bid Closing Date shall be considered by OIL for evaluation of BRC Criteria in case of any extension of the original bid closing date.**
22.0	Performance Security clause (Clause No. 10.0 of Section-A) of "General Terms & Conditions for Global Tenders (MM/GLOBAL/01/2005)" has been amended and the new clause is detailed in the Amendment dated 25.04.2016 issued to MM/GLOBAL/01/2005. **Successful bidder will be required to furnish a Performance Bank Guarantee @10% of the order value. Bidders to note the same and to confirm its acceptance in their offers**. The Bank Guarantee issued by bank must be routed through SFMS platform as per following details: a. (i) "MT760/ MT760 COV for issuance of bank guarantee (ii) MT767/ MT767 COV for amendment of bank guarantee The above message/intimation shall be sent through SFMS by the BG issuing bank branch to Axis Bank, Duliajan Branch, IFS Code: UTIB0001129. Branch Address: Axis Bank Ltd., Duliajan Branch, Daily Bazar, Jyotinagar, Duliajan, Dist-Dibrugarh, Pin- 786602. b. The vendor shall submit to OIL the copy of the SFMS message as sent by the issuing bank branch along with the original bank guarantee.
23.0	Bidder to sign and submit completely filled up Technical & Commercial check list and Technical Evaluation Matrix for Bid evaluation criteria and Technical specification failing which their offer will be rejected.
24.0	**Payment terms: : 80% payment will be made against supply of materials and balance 20% after satisfactory installation & commissioning at site along with the installation & commissioning charges. Bidders must confirm the same while quoting.**
25.0	**Liquidated Damage: Refer to "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-**

	procurement (ICB Tenders). The applicable GST on the Liquidated Damage shall have to be borne by the Seller. Accordingly, the Liquidated Damage shall be recovered from the Seller along with applicable GST.
26.0	**The items covered by this enquiry shall be used by Oil India Limited in the PEL/ML areas which are issued/renewed after 01/04/99 and hence Nil Customs Duty during import will be applicable. Indigenous bidder shall be eligible for concessional rate of GST against Essentiality Certificate for invoice valuing 10 lakh and above.** **In the event of an order on indigenous bidder, OIL will issue Project Authority Certificate (PAC) under Deemed Export, where import content is declared by the bidder for availing Custom Duty benefit on the import content.** **Supplier shall arrange to provide all necessary documents to apply for the essentiality certificate on receipt of request from OIL, if any. Further, supplier shall affect dispatch only on receipt of relevant certificates from OIL, failing which all related liabilities shall be to Supplier's account.**
27.0	Bidders to note that Ministry of Petroleum & Natural Gas, Government of India implemented PPLC Policy to provide Purchase Preference (linked with local content) by notification no. Ref. O-27011/44/2016-ONG-II/FP dtd.25.04.2017. Bidders are requested to take note of the same and to submit their offers accordingly wherever applicable. Policy details are available in Annexure-IA
28.0	**Clauses related to GST** 1. For the purposes of levy and imposition of GST, the expressions shall have the following meanings: (a) GST - means any tax imposed on the supply of goods and/or services under GST Law. (b) Cess – means any applicable cess, existing or future on the supply of Goods and Services as per Goods and Services Tax (Compensation to States) Act, 2017. (c) GST Law - means IGST Act 2017, CGST Act 2017, UTGST Act, 2017 and SGST Act, 2017and all related ancillary Rules and Notifications issued in this regard from time to time. 2. The rates quoted by the bidders shall be inclusive of all taxes, duties and levies. However, bidders are required to provide separately the rate and amount of all types of taxes, duties and levies. In case, the quoted information related to various taxes, duties & levies subsequently proves wrong, incorrect or misleading, OIL will have no liability to reimburse the difference in the duty/ tax, if the finally assessed amount is on the higher side and OIL will have to right to recover the difference in case the rate of duty/ taxes finally assessed is on the lower side. Further, bidders have to clearly show the amount of GST separately in the Tax Invoices. Further, it is the responsibility of the bidders to make all possible efforts to make their accounting / IT system GST compliant in order to ensure availability of Input Tax Credit (ITC) to Oil India Ltd. 3. Offers without giving any of the details of the taxes (Including rates and amounts) as specified above will be considered as inclusive of all taxes including GST. When a bidder mentions taxes as extra without specifying the rates & amount, the offer will be loaded with maximum

value towards taxes received against the tender for comparison purposes. If the bidder emerges as lowest bidder after such loading, in the event of order on that bidder, taxes mentioned by OIL on the Purchase Order/ Contracts will be binding on the bidder.

4. Bidders are required to pass on the benefit arising out of introduction of GST, including seamless flow of Input Tax Credit, reduction in Tax Rate on inputs as well as final goods by way of reduction of price as contemplated in the provision relating to Anti-Profiteering Measure vide Section 171 of the CGST Act, 2017. Accordingly, for supplies made under GST, the bidders should confirm that benefit of lower costs has been passed on to OIL by way of lower prices/taxes and also provide details of the same as applicable. OIL reserves the right to examine such details about costs of inputs/input services of the bidders to ensure that the intended benefits of GST have been passed on to OIL.
5. Oil India Ltd. shall declare the value of free issue of materials and services, if any, involved in the execution of the contract. The Contractor should consider the same while working out the GST liability, if any. Further in cases where GST is leviable on any facilities provided by OIL and used by bidders and the consideration for which is recovered by OIL in the form of reduction in the invoice raised by bidders then OIL will raise GST invoices on such transactions and the same will be reimbursed by bidders.
6. **When Input tax credit is available for Set Off**
   Evaluation of L-1 prices shall be done based on Quoted price after deduction of Input Tax Credit (ITC) of GST, if available to OIL.OIL shall evaluate the offers on the basis of the quoted rates only and any claim subsequently by the bidders for additional payment/liability shall not be admitted and has to be borne by the bidders
   When Input tax credit is NOT available for Set Off
   Evaluation of L-1 prices shall be done based on Quoted price only. OIL shall evaluate the offers on the basis of the quoted rates only and any claim subsequently by the bidders for additional payment/liability shall not be admitted and has to be borne by the bidders
7. Bidders agree to do all things not limited to providing GST compliant Tax Invoices or other documentation as per GST law relating to the supply of goods and/or services covered in the instant contract like raising of and /or acceptance or rejection of credit notes / debit notes as the case may be, payment of taxes, timely filing of valid statutory Returns for the tax period on the Goods and Service Tax Network (GSTN), submission of general information as and when called for by OIL in the customized format shared by OIL in order to enable OIL to update its database etc. that may be necessary to match the invoices on GSTN common portal and enable OIL to claim input tax credit in relation to any GST payable under this Contract or in respect of any supply under this Contract.
8. In case Input Tax Credit of GST is denied or demand is recovered from OIL by the Central / State Authorities on account of any non-compliance by bidders, including non-payment of GST charged and recovered, the Vendor/Supplier/Contractor shall indemnify OIL in respect of all claims of tax, penalty and/or interest, loss, damages, costs, expenses and liability that may arise due to such non-compliance. OIL, at its discretion, may also withhold/recover such disputed amount from the pending payments of the bidders.

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

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 & conditions, the following requirements shall have to be particularly met by the Bidders without which their bids shall be considered non-responsive and rejected.

A) BID REJECTION CRITERIA (BRC)

A.1 BEC TECHNICAL:

1. The BOP Control Units with remote control panels (RCPs) and other accessories shall be manufactured, tested and certified in full compliance to API Spec 16D specifications.

2. The BOP control unit should have twenty (20) numbers of eleven (11) gallon, 3000 PSI Working Pressure, bladder type & cylindrical style accumulators without any welds, seams or joints.

3. The BOP control unit should have a 350 gallon (min.) capacity fluid reservoir.

4. The BOP control unit should have a main pump driven by electrical power and an alternate pump assembly driven by rig air.

5. The hydraulic control manifold should have pressure reducing and regulating valves for controlling annular and manifold regulated pressures.

6.1 Bid is invited only from Original Equipment Manufacturer (OEM) and he should have an experience of minimum 5 (five) years in manufacturing the quoted items under API Spec. 16D certification. For this purpose the period reckoned shall be the period prior to the original bid closing date of the tender. Copies of API 16D certificates for the last 5 (Five) years (continuous without having any break in between) must be submitted along with techno - commercial bid. Bid without copies of valid API 16D certificates or with a break in between will be rejected.

6.2 The bidder (OEM) should also have the experience of successful execution of supply, installation & commissioning of at least 3 (three) numbers of BOP Control Units (160 gallons or higher) with remote control panels (RCPs), to E&P companies / Drilling Contractors / Drilling service providers in the last 5 (five) years as on original bid closing date of the tender (either by them self or through their sole selling agent / distributor / dealer / supply house).

6.3 Documentary evidence to substantiate supply record should be submitted in the form of copies of relevant signed Purchase Orders along with copies of any of the documents in respect of satisfactory execution of each of those Purchase Orders, such as:

(i) Signed and sealed Satisfactory supply / completion report (in original on user's letter head) (OR)
(ii) Bill of Lading (OR)
(iii) Consignee delivery receipt / challan (OR)
(iv) Central Excise Gate Pass/Tax Invoice issued under relevant rules of Central Excise/Vat (OR)
(v) Commercial Invoice/ Payment Invoice

Note:
a) The Purchase Order date need not be within 5 (five) years preceding original bid closing date of this tender. However, the execution of supply should be within 5 (five) years preceding original bid closing date of this tender.

b) Original Bid Closing Date shall be considered by OIL for evaluation of BRC Criteria in case of any extension of the original bid closing date.

c) Satisfactory supply/completion/installation report should be issued on company's letterhead with signature and stamp. Originals to be produced for verification on demand of OIL.

6.3.1 In case, for supplementing manufacturer's supply experience criteria (6.2 & 6.3), the manufacturer submits Purchase Order(s) and relevant documents which is through their sole selling agent / distributor/dealer / supply house, then following additional documents are also to be submitted:

a) Copies of signed Purchase Order(s) / Contract agreement(s) between the manufacturer and the sole selling agent/distributor/dealer/supply house and copies of any of the following documents in respect of satisfactory execution of each of those Purchase Order(s)/Contract agreement(s).

i) Bill of Lading (OR)
ii) Commercial Invoice / Payment of Invoice of the OEM (OR)
iii) Central Excise Gate Pass/Tax Invoice issued under relevant rules of Central Excise/Vat/GST.

6.4 Experience criteria as per clauses 6.2 & 6.3 shall not be applicable for manufacturers who has successfully supplied BOP Control Units (160 gallons or Higher capacity) with remote control panels (RCPs) to OIL in the last 05 (five) years as on original bid closing date of this tender, either by them self or through their sole selling agent / authorized

distributor / authorized dealer / supply house and whose past performance has been satisfactory, provided they furnish a list of OIL's order(s) executed by them indicating Purchase Order numbers and quantity supplied.

6.5 The bidder (OEM) shall confirm that the equipment / products will be tested and certified as per API 16D.

6.6 The bidder (OEM) must keep API licenses along with authorization for API monogram valid till execution of purchase order and must confirm that the offered product will be supplied with API Monogram.

6.7 In case renewal process of API license is in progress at the time of bidding, the manufacturer should furnish a letter from API to this effect that renewal of the license is under examination with API and is authorized to manufacture the items as per API license and to use API monogram till the renewal for license is issued. The bidder shall also submit an undertaking that delay in renewal of API certificate shall not affect the stipulated delivery schedule of the tender / purchase order.

6.8 The bidder (OEM) must guarantee to provide uninterrupted supply of spares and availability of service exclusively by themselves and not through any sole selling agent / distributor / dealer / supply house for at least ten years with effect from delivery of the Item / product for the item / product to be supplied under the Tender / Order, if order is awarded to them by OIL. This is to ensure compliance of five yearly major inspections and recertification requirement of BOP Control Units as per OISD-RP-174 and OMR-2017 guidelines.

7. Bidder should categorically confirm in the technical bid a delivery schedule within seven (07) months, FOB Port of dispatch, after establishment of letter of credit (in case of foreign bidder) or for dispatch of the equipment within seven (07) months after receipt of formal order (in case of indigenous bidder) failing which their offer will be rejected.

A.2 FINANCIAL EVALUATION CRITERIA:

1.0 The bidder shall have an annual financial turnover of minimum US$ 450400.00 or Rs. 292.71 Lakhs during any of the preceding 03 (Three) financial/accounting years reckoned from the original bid closing date, irrespective of whether their bid is for all the tendered items or not.

2.0 "Net Worth" of the bidder should be positive for the financial/accounting year just preceding to the original Bid Closing Date of the Tender (i.e., year 2017-18).

3.0 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 2017-18 has actually not been audited so far'.

Note:

a) For proof of Annual Turnover & Net worth any one of the following document must be submitted along with the technical 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-IV.

OR

ii) Audited Balance Sheet alongwith Profit & Loss account. In case of foreign bidders, self-attested/digitally signed printed published accounts are also acceptable.

b) In case the bidder is a Central Govt. Organization/PSU/State Govt. Organization/Semi-State Govt. Organization or any other Central/ State Govt. Undertaking, where the auditor is appointed only after the approval of Comptroller and Auditor General of India and the Central Government, their certificates may be accepted even though FRN is not available. However, bidder to provide documentary evidence for the same.

4.0 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$.

A.3 COMMERCIAL

Commercial Bid Rejection Criteria will be as per Section D of General Terms & Conditions of Global Tender (MM/GLOBAL/E-01/2005) with following Special Bid Rejection Criteria.

1.0 Bids are invited under **Single Stage Two Bid System**. Bidders shall quote accordingly under Single Stage Two Bid System. **Please note that no price details should be furnished in the Technical (i.e. Unpriced) bid**. The “Unpriced Bid” shall contain all techno-commercial details except the prices, which shall be kept blank. The “Price Bid” must contain the price schedule and the bidder’s commercial terms and conditions.

Bidder not complying with above submission procedure will be rejected.

2.0 The prices offered shall 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.

3.0 Bids received in physical form against online invitation through e-portal shall be rejected (except the documents specifically called for in hard copies, if any). Similarly, Bids received after the bid closing date and time shall be rejected. Also, modifications to bids received after the bid closing date & time shall not be considered.

4.0 Bids containing incorrect statement shall be rejected.

5.0 Validity of the bid shall be **minimum 120 days** from the date of actual Bid Closing Date. Bids with lesser validity will be straightway rejected.

6.0 **Bid Security in ORIGINAL** shall be furnished by the Bidder as a part of their Bid. The amount of Bid Security & its validity shall be specified in the covering letter of this bid document. **Any bid not accompanied by a proper bid security in ORIGINAL shall be rejected without any further consideration.** 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.

6.1 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).

7.0 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 18 months from the date of shipment/dispatch or twelve (12) months from the date of receipt of the items at destination, 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.

8.0 Successful bidder shall be required to furnish a Performance Security equivalent to ten (10%) of total evaluated value of Order, which should remain valid throughout the period execution, including extension, if any. The successful bidder shall submit Performance Security within 30 days of award, failing which OIL reserves the right to cancel the order and forfeit their Bid Security. Bidders should undertake in their bids to submit Performance Security as stated above

9.0 Offers should be submitted along with Integrity Pact duly signed by the authorized signatory of the bidder. If any bidder refuses to sign Integrity Pact or declined to submit Integrity Pact with the offer, their bid shall be rejected straightway.

10.0 All the tendered items are to be procured from the same source; hence bidders are requested to quote accordingly for all the items, else their bid will be rejected straightway.

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

(i) <u>Price Bid Format (SUMMARY) for Foreign Bidders:</u>

(A-1) Basic Material Value for the items covered under PART-A of Annexure-I (Refer Detailed specification & Scope of Work):
(A-2) Basic Material Value for the items covered under PART-B of Annexure-I (Refer Detailed specification & Scope of Work):
(A) Total Basic Material Value (to indicate HSN code) (A-1 + A-2):
(B) Pre-despatch Inspection Charges, if any:
(C) Packing & FOB charges:
(D) FOB Value, A+B+C:
(E) Ocean Freight Charges upto Kolkata, India:
(F) Banking & Insurance, @1.5% of D :
(G) CIF Value, D+E+F :
(H) Landing Charges @1% on G:
(I) CIF Landed Value, G+H:
(J) IGST @ 5% on I:
(K) Compensatory Cess, if any:
(L) CIF+GST Landed Value, I+J+K :
(M) Installation, Commissioning & Testing Charges (to indicate SAC code):
(N) Applicable rate of GST on M:
(O) Total, L+M+N:
(P) Total Value in words :
(Q) Gross Weight:
(R) Dimensions & Gross Volume :

(ii) <u>Price Bid Format (SUMMARY) for Indigenous Bidders:</u>

(A-1) Basic Material Value for the items covered under PART-A of Annexure-I (Refer Detailed specification & Scope of Work):
(A-2) Basic Material Value for the items covered under PART-B of Annexure-I (Refer Detailed specification & Scope of Work):
(A) Total Basic Material Value (to indicate HSN code) (A-1 + A-2):
(B) Pre-despatch Inspection Charges, if any:
(C) Packing & Forwarding charges, if any:
(D) Total Ex-Works Value, A+B+C:
(E) Applicable rate of GST on D:
(F) Compensatory Cess, if any:

(G) Total FOR Despatching Station Value, D+E+F:
(H) Inland Freight Charges upto Duliajan, Assam including GST:
(I) Transit Insurance Charges, if any including GST:
(J) Installation, Commissioning & Testing Charges (to indicate SAC code):
(K) Applicable rate of GST on J:
(L) Total, G+H+I+J+K:
(M) Total Value in words :
(N) Gross Weight:
(O) Dimensions & Gross Volume:
(P) Import Content, if any:

12.0 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

13.0 A bid shall be rejected straightway if it does not conform to any one of the following clauses:

a) Validity of bid shorter than the validity indicated in the Tender.

b) Original Bid Security not received within the stipulated date & time mentioned in the Tender.

c) Bid Security with (i) validity shorter than the validity indicated in Tender and/or (ii) Bid Security amount lesser than the amount indicated in the Tender.

B) BID EVALUATION CRITERIA

The bids conforming to the specifications, terms and conditions stipulated in the enquiry and considered to be responsive after subjecting to the Bid Rejection Criteria will be considered for further evaluation as per General Terms and Conditions for Global Tender and the Bid Evaluation Criteria given below:

B.1 BID EVALUATION CRITERIA:

The bids conforming to the specifications, terms and conditions stipulated in the tender and considered to be responsive after subjecting to the Bid Rejection Criteria shall be considered for further evaluation as per General Terms and Conditions for Global Tender and the Bid Evaluation Criteria given below:

1.0 The evaluation of bids shall be done as per the Price Bid Format (SUMMARY) provided in the Tender and detailed below

2.0 If there is any discrepancy between the unit price and the total price, the unit price will prevail and the total price shall be corrected. Similarly, if there is any discrepancy between words and figure, the amounts in words shall prevail and will be adopted for evaluation.

3.0 For conversion of foreign currency into Indian currency, B.C. selling (Market) rate declared by State Bank of India, one day prior to the date of price bid opening shall be considered. However, if the time lag between the opening of the bids and final decision exceed 3(three) months, then B.C. Selling(Market) rate of exchange declared by SBI on the date prior to the date of final decision shall be adopted for conversion and evaluation.

4.0 To ascertain the inter-se-ranking, the comparison of the responsive bids will be made as under, subject to corrections / adjustments given herein.

Note: 1) Domestic Bidders must quote inland freight charges upto Duliajan. In case bidder fails to quote inland freight charges, highest freight quoted by domestic bidder (considering pro-rata distance) against this tender or OIL's estimated freight, whichever is higher, shall be loaded to their offer for comparison purpose.
2) For enquiries with duty exemption benefit – The items covered under this enquiry shall be used by OIL in the PEL/ML areas issued/renewed after 01/04/99 and hence, applicable customs duty for import of goods shall be zero. However, IGST @5% shall be applicable. Indigenous bidder shall be eligible for concessional rate of GST @5% against Essentiality Certificate for invoice valuing 10 lakh and above.

4.1 When only foreign bidders are involved:
The Total Value of Foreign bidder as worked out as per para **A.3 11.0 (i) O** shall be compared

NOTE: *Banking charge in the country of the foreign bidder shall be borne by the bidder. Banking charge 1% for payment through Letter of Credit. And 1.5 % if confirmed LC at buyer's account is required.

4.2 When only domestic bidders are involved or when more than one domestic bidders are in contention in case of mixed response:
The Total Value of Domestic bidder as worked out as per para **A.3 11.0 (ii) L** shall be compared

4.3 When both foreign and domestic bidders are involved:

The Total Value of domestic bidder as worked out as per para **A.3 11.0 (ii) L (excluding H & I)** above and Total Value of the foreign bidder worked out as per Para **A.3 11.0 (i) O** above will be compared.

Note: If the Government of India revises these evaluation criteria the same as applicable on the bid closing date will be adopted for evaluation of the offers.

5.0 Other terms and conditions of the enquiry shall be as per General Terms and Conditions for Global Tender. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (BEC / BRC) mentioned here contradict the Clauses in the General Terms & Conditions of Global Tender of the tender and/or elsewhere, those mentioned in this BEC / BRC shall prevail.

&&&&&&&&&&&&&&&

CHECK LIST

THE CHECK LIST MUST BE COMPLETED AND RETURNED WITH YOUR OFFER. PLEASE ENSURE THAT ALL THESE POINTS ARE COVERED IN YOUR OFFER. THESE WILL ENSURE THAT YOUR OFFER IS PROPERLY EVALUATED. PLEASE SELECT "Yes" OR "No" TO THE FOLLOWING QUESTIONS, IN THE RIGHT HAND COLUMN.

A) Specifications

Sl. No	DESCRIPTIONS	REMARKS
1	Does the offered BOP control unit have 20 (twenty) numbers of 11 (eleven) gallon capacity, 3000 psi Working Pressure (WP), bladder type & cylindrical style, designed accumulators without any welds, seams or joints?	YES / NO
2	The accumulator assembly is designed for top loading?	YES / NO
3	Is the fluid reservoir capacity of the offered BOP control unit minimum 350 gal?	YES / NO
4	Is the offered BOP control unit equipped with an electric-motor driven pump and a set of three air pumps?	YES / NO
5	Is the discharge flow of the air pumps approximately 15 GPM at 2000 psi and 12 GPM at 3000 psi with 125 psi air pressure?	YES / NO
6	Are the air pumps equipped with hydro pneumatic pressure switches?	YES / NO
7	Is the electrical pressure switch explosion proof?	YES / NO
8	Does the hydraulic control manifold have pressure reducing and regulating valves for controlling annular regulated pressure and manifold regulated pressure?	YES / NO
9	Does the hydraulic control manifold have a 1" size stainless steel fitted, 4-way, 3-position manually operated rotary shear seal 5,000 psi WP manipulator / selector valve for controlling pressure to open and close the annular preventer?	YES / NO
10	Does the hydraulic control manifold have minimum 5 (five) - 1" size stainless steel fitted, 4 way, 3 position manually operated rotary shear seal manipulator / selector valves rated for 5000 psi WP to control pressure to open and close ram preventers and / or hydraulically actuated choke and kill line valves?	YES / NO
11	Does the hydraulic control manifold have a 1" size, 4-way, 2-position 5000 psi working pressure manually operated rotary shear seal bypass valve for operation of the manifold regulator by-pass function?	YES / NO
12	Will the offered BOP control unit be equipped with two numbers of Remote Control Panels (RCP) having graphic representation of BOP stack?	YES / NO
13	Will the pipe racks be covered with grating type walk way?	YES / NO
14	Is the BOP control unit with RCPs & other accessories manufactured, tested, certified & marked in accordance with API Spec 16 D?	YES / NO
15	Will the BOP control unit be supplied complete in all respects and in ready to use condition?	YES / NO
16	Have you attached a recommended spares list for two years trouble-free operation of the BOP control unit with drawings, part names &	YES / NO

	part numbers?	
17	Have you submitted copies of valid API Spec 16 D certificates and ASME Certificates for Accumulators?	YES / NO
18	Have you quoted for all the items?	YES / NO
19	Have you mentioned the name of the manufacturer & country of origin?	YES / NO
20	Have you agreed for pre-despatch inspection and confirmed quoting of any charges in the technical bid?	YES / NO
21	Have you agreed for Installation, Commissioning and testing of the BOPCU as per NIT and confirmed quoting of the same in the technical bid?	YES / NO
22	Any deviation from NIT?	YES / NO

B) Electrical Checklist for Motor:

Sl No	PARAMETER	REQUIREMENT	BIDDER'S OFFER
1	Power Rating	30 HP	
2	Voltage	415VAC	
3	Frequency	50 Hz	
4	Phases	3 (Three Phase)	
5	Rated pf	0.8 or better	
6	Insulation Class	"F" with temperature limited to Class "B"	
7	Ambient Temperature	50 DegC	
8	Humidity	95 %	
9	Frame Size	(Please specify frame size)	
10	RPM	(Please specify RPM of motor)	
11	Duty cycle	S1 (Continuous)	
12	Cooling	TEFC (Totally Enclosed Fan Cooled)	
13	Mounting	B3 (Foot mounted)	
14	Rotation	Bi-directional	
15	Efficiency	IE2 Class (Minimum)	
16	Starting	DOL	
17	Enclosure protection	IP 55 (minimum)	
18	Enclosure type	Ex-d	
19	Conformance to IS/IEC/EN Standards	Please mention the IS/IEC/EN standard to which the Starter & Junction box conform.	
20	Certified for Ex-d	Please mention the name of the test house	
21	Make	Please specify make of motor	
22	Cable type & Size	Please Specify cable type (e.g., PVC / XLPE / EPR) & size used	

C) Electrical Checklist for Starter and Junction Box

Sl No	PARAMETER	REQUIREMENT	BIDDER'S OFFER
1	Type	DOL	
2	Coil (control) voltage of starter	415 VAC	

3	Enclosure protection	IP 55 (minimum)	
4	Enclosure type	Ex-d (Flameproof), as per IS/IEC 60079-1	
5	Conformance to IS/IEC/EN Standards	Please mention the IS/IEC/EN standard to which the Starter & Junction box conform.	
6	Certified for Ex-d	Please mention the name of the test house	

D. COMMERCIAL

Sl#	REQUIREMENT	COMPLIANCE
1.0	Whether bid submitted under Single Stage Two Bid System?	Yes / No
2.0	Whether quoted as manufacturer?	Yes / No
3.0	**Whether ORIGINAL Bid Bond (not copy of Bid Bond) as per Revised Format(Annexure VII Revised) Sent separately? If YES, provide details**	Yes / No
	(a) Amount :	
	(b) Name of issuing Bank :	
	(c) Validity of Bid Bond :	
4.0	Whether offered firm prices ?	Yes / No
4.1	Whether quoted offer **validity of 120 days from** the bid closing date of tender?	Yes / No
4.2	Whether quoted a firm delivery period?	Yes / No
4.3	Whether agreed to the NIT Warranty clause?	Yes / No
4.4	Whether confirmed acceptance of NIT Payment Terms	Yes / No
5.0	**Whether confirmed to submit PBG as asked for in NIT?**	**Yes / No**
5.1	**Whether agreed to submit PBG within 30 days of placement of order?**	**Yes / No**
6.0	Whether Price submitted as per Price Schedule (refer Para 11.0 of BRC vide Annexure – II)?	Yes / No
7.0	Whether quoted as per NIT (without any deviations)?	Yes / No
7.0	Whether quoted any deviation?	Yes / No
7.1	Whether deviation separately highlighted?	Yes / No
8.0	Whether indicated the country of origin for the items quoted?	Yes / No
8.1	Whether technical literature / catalogue enclosed?	Yes / No
8.2	Whether weight & volume of items offered indicated?	Yes / No
9.0	For Foreign Bidders - Whether offered FOB / FCA port of despatch including sea / air worthy packing & forwarding?	Yes / No
9.1	For Foreign Bidders – Whether port of shipment indicated. To specify:	Yes / No
9.2	For Foreign Bidders only - Whether indicated ocean freight up to Kolkata port (Excluding marine insurance) ?	Yes / No
9.3	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?	
10.0	For Indian Bidders – Whether indicated the place from where the goods will be dispatched. To specify :	Yes / No
10.1	For Indian Bidders – Whether road transportation charges up to Duliajan quoted?	Yes / No
10.2	For Indian Bidders only - Whether offered Ex-works price including packing/forwarding charges?	Yes / No
10.3	For Indian Bidders only - Whether indicated import content in the offer?	Yes / No
10.4	For Indian Bidders only - Whether offered Deemed Export prices?	Yes / No
10.5	For Indian Bidders only – Whether all applicable Taxes & Duties have been quoted?	Yes / No
11.0	Whether all BRC/BEC clauses accepted ?	Yes / No
12.0	Whether Integrity Pact with digital signature uploaded?	Yes / No
12.1	Whether all the clauses in the Integrity Pact have been accepted?	Yes / No

E. TO BE FILLED UP IN DETAIL:

Sl No	Requirement	Bidder's Reply
01	Mention Bid validity quoted	
02	Mention Payment Terms quoted	
03	Mention Guarantee/Warranty Terms quoted	
04	Mention Delivery Period quoted	
05	Mention Port of Despatch / Despatching Station	
08	Confirm submission Integrity pact, if required as per NIT	
09	Confirm submission PBG, if required as per NIT	
10	Compliance to: a) Liquidated Damage	

	b) Warranty/Guarantee c) Arbitration/Resolution of Dispute d) Force Majeure *e)* Applicable laws	
11	Exception/Deviations quoted, if any, to be given in details or refer to respective page of the bid documents	

Signature _____
Name _____
Designation _____

ANNEXURE – IV

CERTIFICATE OF ANNUAL TURNOVER & NET WORTH

TO BE ISSUED BY PRACTISING **CHARTARD ACCOUNTANTS' FIRM** ON THEIR LETTER HEAD

TO WHOM IT MAY CONCERN

This is to certify that the following financial positions extracted from the audited financial statements of M/s.....(Name of the bidder) for the last three (3) completed accounting years upto..... **(as the case may be)** are correct

YEAR	TURN OVER In INR (Rs.) Crores/ US $ Million) *	NET WORTH In INR (Rs.) Crores / US $ Million) *

*Rate of conversion (if used any): USD 1.00 = INR .....

Place:
Date:

Seal

Membership No:
Registration Code:

Signature

***Applicable only for GLOBAL tenders**

ANNEXURE – V

TECHNICAL EVALUATION MATRIX (TO BE FILLED IN BY BIDDER DULY SIGNED)			
TECHNICAL SPECIFICATIONS 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)**
	BOP Control Unit (200 Gallons) with Remote Control Panels (RCPs) and other accessories manufactured, tested and certified in conformance with API Spec 16 D, as per detailed specifications hereunder. [**Note: Specifications & requirements at PART-A correspond to one (01) number BOP control unit with RCPs & accessories only**]		
	PART -A:		
1	DETAILED SPECIFICATION OF 200 GALLON BOP CONTROL UNIT AND ACCESSORIES FOR DRILLING RIGS		
1.1	ACCUMULATOR SYSTEM: ONE NUMBER		

	Consisting of the following minimum features - (a) Twenty (20) bladder type & cylindrical style accumulators each of eleven (11) gallon capacity, 3000 psi WP, without any welds, seams or joints. The accumulator shell is to be manufactured from a single piece of chrome molybdenum steel with 4:1 safety margin above maximum WP. The accumulator assembly should be top loading designed to be pre-charged with nitrogen to 1000 +/- 100 psi, should be tested up to 4500 psi and meet USCG / API requirements and should be provided with ASME U-1A certificates. Each accumulator should be complete with an isolation valve. (b) Four (4) - 4.1/2" OD machined steel accumulator manifolds provided with five (5) ports each. These manifolds should be free from welds, seams or joints and meet ASME requirements for working pressure up to 5,000 psi. Each accumulator manifolds should be equipped with an isolation and bleed valve to permit isolation of approximately twenty five percentage of the accumulators for maintenance or checking pre-charge pressure while maintaining the remaining accumulated capacity in operation. Each accumulator manifold should also be provided with a 0 – 6000 psi pressure gauge. (c) One (1) 3500 psi Pressure relief valve set at 3,300 psi. The pressure relief valve shall prevent over pressurization of the accumulators and pump system and should be self-resetting. (d) One (1) 350 gallon fluid reservoir complete with baffles, 4 inches inspection ports, metal protected sight level gauges, air vent, drain and 14 inches cleanout man way. Space should also be provided for five (5) manifold valves and one (1) annular valve. (e) One (1) – minimum five (05) station machined unit mounted hydraulic control manifold rated at 5,000 psi WP. The machined manifold shall be free from welds, seams or joints and is to be used to supply hydraulic pressure to the hydraulic control manifold function valves. (f) One (01) alternate source valve with nominal bore size at least equal to the control manifold supply piping size shall be provided for supply of control (hydraulic) fluid		

	from an alternative pump source. This valve shall be designed to be plugged when not in use. (g) One (01) tank fluid level indicator located in front of the reservoir. (h) The assembly should be complete with 1" Schedule 160 heavy duty supply pressure piping rated for 5,000 psi WP. It should be assembled on a welded structural steel heavy duty oilfield type skid with mounting provisions for electric pump assembly, air pump assembly, hydraulic control manifold and interface modules etc. as described in the following paragraphs of tender specifications. (i) Supply pressure isolation valves and bleed down valves shall be provided on each accumulator bank to facilitate checking the pre-charge pressure or draining the accumulators back to the control fluid reservoir.		
1.2	ELECTRIC PUMP ASSEMBLY: ONE NUMBER Electric motor powered triplex pump assembly should be mounted on the control unit and be used to pump system fluid stored in the reservoir at atmospheric pressure up to 3,000 psi to charge the accumulators for operating the BOP stack functions. It should consist of the following minimum features: - (a) 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) (b) One (1) - Nominal ratio mechanical chain and sprocket drive assembly encased in an oil-bath type chain guard. (c) One (1) – Horizontal, foot mounted, minimum 30 HP, 50 Hz, 3-phase, 415 VAC explosion proof, flame proof electric motor with thermal overload protection. Make and certifications are to be indicated in the quotation. (d) One (1) – Explosion proof electric motor starter with Hand/Off/Auto (HOA) mode		

selector switch and over-current protection. Starter should be rated for a minimum of 50HP. Make and certifications are to be indicated in the quotation.

(e) One (1) - Explosion proof electric dual adjustment Pressure Switch set to automatically stop the pump when system pressure reaches 3,000 psi and restart the pump when system pressure drops to nominal 2,700 psi. Make, Part no. / Cat no. of the pressure switch is to be specified by the bidder in the quotation.

(f) One (1) Flame-proof & explosion-proof Junction Box should be provided for connection of incoming, outgoing cables. Make and certifications are to be indicated in the quotation.

(g) 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.

1.2.1 DETAILS OF MOTOR:

Flame proof, squirrel cage induction motor suitable for hazardous areas of oilfields, Zone I and Gas group IIA & II B, and, conforming to IS/IEC/EN 60079-0:2011 & IS/IEC/EN 60079-1:2007.

Parameter	Requirement
Power Rating	30 HP (Minimum)
Voltage	415VAC
Frequency	50 Hz
Phases	3 (Three Phase)
Rated pf	0.8 or better
Insulation Class	“F” with temperature limited to Class “B”
Ambient Temperature	50 DegC
Humidity	95 %
Frame Size	To be specified by bidder
RPM	To be specified by bidder
Enclosure protection	IP 55 (minimum)

Enclosure type	Ex-d
Duty cycle	S1 (Continuous)
Cooling	TEFC (Totally Enclosed Fan Cooled)
Mounting	B3 (Foot mounted)
Rotation	Bi-directional
Efficiency	IE2 Class (Minimum)
Starting	DOL
Make	Kirloskar / CGL / Marathon / LHP / BB

1.2.2 DETAILS OF STARTER:

Flame proof (Type Ex-d) DOL starter, suitable for above motor to operate BOP Control unit in "Auto" and "local" mode. However, the minimum rating of the starter should be 40 HP.

The starter should contain the following features:

i) Contactor for motor starting duty (DOL), rated for the motor supplied.
ii) Overload Relay – with hand (Manual) reset. The manual reset function should be carried out without opening the starter cover.
iii) "Hand-Off-Auto" selector switch – allows user to run the motor manually, as well as with all interlocks in place ("Auto" mode).
iv) Start-Stop push buttons to start and stop the motor; with all interlocks in place.
v) 415 VAC control coil in the contactor (as the system has no neutral wire).
vi) Cable entry – Minimum 3 Nos. of ¾" ET, suitable for fixing metal cable gland.

Bidders are required to forward details of all the components used in the starter panel, like contactor, O/L relay and other protective devices, i.e. fuses, switches, etc. with its make and rating.

1.2.3 DETAILS OF JUNCTION BOX

The Junction Box should be Flameproof (Type Ex-d, as per IS/IEC/EN 60079-0:2011 & IS/IEC/EN 60079-1:2007), with provisions of cable entry and exit through double

	compression cable glands. 1.2.4 NOTE (for Electrical items): (i) Motor, Starter, Junction Box and Double Compression Cable Gland shall be of flameproof construction (Type Ex-d), suitable for use in oilfield hazardous area, Zone-I and Gas group IIA & II B and conform to IS/IEC/EN 60079-0:2011 & IS/IEC/EN 60079-1:2007 The bidders shall submit test reports conforming to the above relevant standards from an Indian Government Laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body, which is not a part of manufacturer's facility. Copies of above certificates should be enclosed with the quotation as well as with the supply of materials. (ii) Certified explosion-proof double compression cable gland should be fitted with the motor, starter and junction box. Bidders should confirm this in their quotation. (iii) All inter-connection of cables should be done with suitably rated EPR insulated cable. (iv) Wiring & schematic drawing of the starter and dimensional drawing of the motor must be provided along with the offer. (v) Each motor, Starter & Junction boxes should be provided with two separate body earthing points. Double earthing of motor, starter, & inter-connection between electrical equipment should be done. Bidders should confirm this in their quotation. There should also be adequate provision for connecting the BOP Control Unit skid to earth from at least two different and distinct points on the skid. (vi) Electrical System available at the well-site is 3 phase 3 wire, without neutral. The motor starting and running system should thus be designed for 3 phase 3 wire system, without neutral.		

	(vii) Oil India Limited shall provide one power cable from the source of power through a 40 HP feeder up to the FLP Junction Box. All other cabling and control wiring is in the scope of supplier. (viii) MCCB of appropriate rating should be used in the FLP DOL starter instead of Fuse Switch.		
1.3	AIR PUMP ASSEMBLY: ONE NUMBER This unit shall be mounted on the BOP control unit and is to be designed such that it can be used in conjunction with the primary electric pump. It should consist of the following minimum features: (a) 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) Two (2) - Hydro pneumatic pressure switches. These switches shall be connected in series with each other. One should be set at 2,900 psi to shut the air pump off at normal operating pressure and automatically restart at 2,600 psi while the other shall be set at 4,500 psi to limit the discharge pressure when operating in by-pass mode and automatically restart at 4,200 psi. (c) One (1) - 1/2" manually operated comb valve for by-passing the low-pressure hydro pneumatic pressure switch. (d) One (1) - 1" air control supply manifold with 3 (three) pump shut-off valves, inlet air filters, airline lubricator, air pressure gauge and 1" NPT female customer inlet connection. (e) Three (3) - 20-mesh suction inlet strainers.		

	(f) Three (3) - ½" x 5,000 psi working pressure discharge check valves for the three air pumps. 1.3.1 NOTE: (i) Each pump system shall be protected from over pressurization by a minimum of two (2) devices designed to limit the pump discharge pressure. (ii) With the accumulators isolated from service, each pump system should have the capacity to close one annular BOP and open the HCR valve in the choke line and provide the minimum system operating pressure within two (2) minutes. The maximum closing volume of Annular BOP is taken as 40.16 gallons of NOV (Shaffer) 13 ⅝"-10M Annular BOP i.e. the Maximum closing volume requirement of Annular BOP in use and HCR opening volume taken as 1 gallon each. (iii) The combined output of both pump assembly (electric and air) shall be capable of charging the entire accumulator system from pre-charge pressure to the maximum rated control system working pressure within 15 minutes.		
1.4	A PROTECTIVE STEEL COVER SHALL BE PROVIDED FOR THE PUMPS AND CONTROLS.		
1.5	HYDRAULIC CONTROL MANIFOLD: ONE NUMBER Mounted on the BOP control unit and consisting of the following minimum features: (a) 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. (b) One (1) manually operated sub plate mounted, one inch ported, pressure reducing and regulating valve for controlling manifold regulated pressure to the ram type preventers and / or hydraulically actuated choke and kill line valves. This regulator should be manually adjustable and should limit the maximum outlet pressure to 1,500 psi during normal operation. The said regulator should be stainless steel fitted with 5000 psi WP rated body and should be able to regulate from 0 - 1,500 psi. (c) A minimum of one (1) 25 micron filter should be installed in the supply line to each hydraulic regulator. (d) 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. (e) Minimum Five (5) 1 inch size stainless steel fitted, 4-way, 3-position manually operated rotary shear seal manipulator / selector valves rated for 5,000 psi working pressure for controlling pressure to open & close ram preventers and / or hydraulically actuated choke & kill line valves. (f) One (01) shear / blind ram guard mounted on the 4way valve to prevent accidental operation of the shear / blind RAM. (g) One (01) 1 inch size, 4-way, 2-position 5,000 psi WP, manually operated rotary shear seal bypass valve for operation of the manifold regulator by-pass function. This valve should allow selection of regulated pressure or 3,000 psi (full accumulator pressure) to the manifold valves for emergency operation of the ram type preventers. (h) Control valves should be labelled with the following name plates:		

	1. Annular 2. Upper Pipe Ram 3. Blind / Shear Ram 4. Lower Pipe Ram 5. Choke line 6. Kill line 7. By pass valve (i) One (1) bolt on gauge panel assembly with glycerine filled dual scale, panel mounted, 6" face pressure gauges complete with pulsation dampeners for direct indication of: - i) Accumulator pressure : 0 - 6,000 psi ii) Manifold regulated pressure : 0 - 10,000 psi iii) Annular regulated pressure : 0 - 3,000 psi (j) One (1) - 10,000 psi working pressure manifold bleeder valve for bleeding system pressure to the reservoir when required for maintenance. (k) One (1) - Manifold self-resetting relief valve set at 5,000 psi. (l) One (1) – 1 inch shut off valve (isolation valve) for isolation of triplex pump. (m) One (1) ¼ inch, 4-way, 3 position valve for increase / decrease control of the annular regulator pressure rating. (n) Supply piping and outlet pipes to the preventers for 5000 PSI working pressure with 1 inch Fig. 602 hammer unions mounted on the ends.		
1.6	INTERFACE MODULE: ONE NUMBER Electric explosion proof Interface Module rated for Class-1, Division-1 hazardous area. This module should permit remote control of the manifold functions from minimum two remote control panels. It shall be mounted on the BOP control unit and should		

	consist of the following minimum features: (a) Stainless steel enclosure, air purged design, suitable for Class-1, Division-1 hazardous area operation. (b) Six (6) - 3" x 2" Air cylinders complete with mounting brackets, plumbing items and fittings installed on the 4-way rotary shear seal valves on the hydraulic manifold for remote operation of the BOP stack functions. (c) One (1) air cylinder complete with mounting brackets, plumbing items and fittings installed on the by-pass valve for remote operation of the manifold regulator by-pass function. (d) One (1) annular regulator pneumatic drive installation kit consisting of: i) Two (2) quick exhaust air valves ii) One (1) Air pressure regulator with gauges iii) One (1) Air lubricator iv) One (1) manually operated air directional control valve, spring centered with air pilot operators for remote control and local increase / decrease control (e) One four (4) transducer assembly for remote indication of annular, manifold, accumulator and rig air pressures at remote panels. (f) Interfaces for alarms for low rig air pressure, low system pressure, low reservoir fluid level, system on standby power and electric pump run indication. (g) Interfaces for operation of all valves. (h) One (1) Ten (10) gallons air receiver for air back-up. (i) One (1) float operated explosion switch installed in the fluid reservoir actuated by low fluid level. The switch should be hardwired to the interface junction box using cable glands and armored cable rated for Division-1 hazardous area installation.		

	(j) Two (2) 150 feet length of 61 conductors, bronze armored, 16 AWG electric cables, fixed with explosion proof gland on one side and 60 pins connectors on the other side.		
1.7	SUITABLE CANOPY TOP OVER THE BOP CONTROL UNIT WITH FLANGED CONNECTIONS TO FACILITATE REMOVEL: ONE NUMBER		
2.1	GRAPHIC ELECTRIC EXPLOSION PROOF DRILLER REMOTE CONTROL PANEL (RCP): ONE NUMBER Electric explosion proof Driller Remote Control Panel rated for Class-1, Division-1 hazardous area operation with graphic illustrations of BOP stack and should consist of the following minimum features: (a) Stainless steel enclosure, air purged design, suitable for Class-1, Division-1 hazardous area operation. (b) Electric meters for digital read out of accumulator, manifold, annular and rig air pressures. (c) Push buttons with indicating lights for operation and position indication of BOP functions. (d) Master push button for two-hand operation. (e) Lockout for blind / shear ram push button. (f) Push buttons for open / close function for one (1) annular and five (05) manifold valves. (g) Push buttons with indicating lights for high / low function of by-pass valve. (h) Push buttons for increase / decrease of annular regulator pressure setting. (i) Lamp test button (j) Electric pump run indication (k) Audible and visual alarm indication for low reservoir fluid level, low system pressure, low rig air pressure and system on standby power. Alarm silence and alarm reset switch. (l) One (1) explosion proof receptacle for connection to interconnect cable assembly. (m) Control push buttons should have the following name plates:		

	1. Annular 2. Upper Pipe Ram 3. Blind Ram 4. Lower Pipe Ram 5. Choke line 6. Kill line 7. By pass valve. (n) Air Cooler & Air Purge. (o) Power supply cable to be provided and should be 15m in length. (p) Explosion proof uninterrupted power supply for complete panel and rated for Class-1, Division-1 hazardous area operation. i) 230 VAC input, 24 VDC output ii) Light indication for 'MAINS ON' and 'System on Standby Power'		
2.2	GRAPHIC ELECTRIC WEATHER PROOF TOOL PUSHER REMOTE CONTROL PANEL (RCP): ONE NUMBER Electric weather proof Tool Pusher Remote Control Panel with graphic illustrations of BOP stack and should consist of the following minimum features: (a) Stainless steel enclosure, weather proof design, suitable for safe area operation. (b) Electric meters for digital read out of accumulator, manifold, annular and rig air pressures. (c) Push buttons with indicating lights for operation and position indication of BOP functions. (d) Master push button for two-hand operation.		

	(e) Lockout for blind / shear ram push button. (f) Push buttons for open / close function for one (1) annular and five (05) manifold valves. (g) Push buttons with indicating lights for high / low function of by-pass valve. (h) Push buttons for increase / decrease of annular regulator pressure setting. (i) Lamp test button (j) Electric pump run indication (k) Audible and visual alarm indication for low reservoir fluid level, low system pressure, low rig air pressure and system on standby power. Alarm silence and alarm reset switch. (l) One (1) explosion proof receptacle for connection to interconnect cable assembly. (m) Control push buttons should have the following name plates: 1. Annular 2. Upper Pipe Ram 3. Blind Ram 4. Lower Pipe Ram 5. Choke line 6. Kill line 7. By pass valve. (n) Power supply cable to be provided and should be 15m in length. (o) Uninterrupted power supply with battery back-up for complete panel and rated for safe area.		

	i) 230 VAC input, 24 VDC output ii) Light indication for 'MAINS ON' and 'System on Standby Power'		
3.0	PIPE RACK MODULE: TWO NUMBERS Pipe rack module should be provided in 20-feet 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.		
4.0	SWIVEL JOINT MODULE: TWO SETS 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.		
5.0	FLEXIBLE STEEL HOSE FOR BOP CONTROL LINES: TWELVE NUMBERS 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 & female at another end shall be provided. (Required 12 numbers each 15 meters length)		
6.0	TOOL BOX SET: ONE SET (Containing all hand tools for regular maintenance of the unit)		
	PART-B: Requirements as per Part-B correspond to THREE (03) numbers of BOP control unit with Remote Control Panel		
1.0	ACCESSORIES: (a) Charging & Gauging Assembly for pre-charging of the accumulator bottles – Two Sets		

	(b) Bladder Pull Rod – Two Numbers (For easy replacement of the separator bottle bladder) (c) Valve Core Tool – Two Numbers (For easy removal and installation of the valve cores which are included with separator type bottles) (d) Spanner Wrench – Two Numbers		
2.0	ELECTRICAL SPARES: One set of the following Electrical Spares should be supplied with each BOP-CU: (a). Flameproof Electric DOL Starter for motor, (identical to para 1.2.2 in Part – A), rated for 40 HP minimum, fitted with all internal components (Contactor / OLR etc.) – Qty: One Number (b) Lifting eye, for lifting the motor – Qty: One Number 2.1. Drawings and documents: a) Electrical Circuit diagram of the Starter panel indicating make and rating of all the components. (b) Spare parts list with exploded view of each and every items including all sub-accessories and electrical components and all test certificates - QUANTITY ONE (1) SET		
3.0	EXPLOSION PROOF HYDRAULIC ELECTRIC PRESSURE SWITCH (EXTRA): TWO NUMBERS		
4.0	OPERATIONS, MAINTENANCE, SERVICE MANUAL AND SPARE PARTS BOOK WITH EXPLODED VIEWS OF EACH AND EVERY ITEM OF THE BOP CONTROL UNIT INCLUDING ALL SUB-ACCESSORIES AND ELECTRICAL COMPONENTS AND ALL TEST CERTIFICATES: THREE SETS		
4.1	The data package should, as a minimum, consist of: i) COC – Certificate of Compliance ii) COIT – Certificate of Inspection Test iii) COW – Certificate of Warranty iv) COO – Certificate of Origin v) U-1A ASME Certificates for Accumulators		

	Bidder to confirm categorically to provide all of the above along with the supply in the technical bid.		
5.0	PRE DISPATCH INSPECTION Pre-dispatch inspection by OIL engineers at the manufacturer's works (inclusive of electrical items) shall be carried out before effecting delivery considering the critical nature of the item. Inspection / testing charges, if any, should be quoted separately and shall be considered for evaluation of the offer. All to & fro air fares, boarding & lodging etc. of OIL Inspection Engineers shall be to OIL's account. However, all facilities for inspection / testing shall be provided by the bidder to OIL's Inspection Team. Bidders should take action and notify OIL accordingly at least 3 (three) weeks in advance.		
6.0	INSTALLATION, COMMISSIONING AND TESTING (a) Bidders should categorically confirm that the Installation & Commissioning of the BOPCU would be carried out by their competent personnel at suitable location in or around Duliajan, ASSAM, INDIA upon receipt of the unit at Duliajan. (b) Bidder should also categorically confirm that testing of all the items of the BOPCU will be carried out by their competent personnel at OIL's suitable location in or around Duliajan, Assam, India in the event of supply and submit a Test report to OIL within 15 days from completion of testing. (c) The installation and commissioning charges of the item should be separately quoted by the bidder which shall be considered for evaluation of the offers. These charges should include amongst others to and fro fares, boarding / lodging, local transport at Duliajan, to & fro transportation to site from Duliajan and other expenses of supplier’s commissioning personnel during their stay at Duliajan, Assam (India). However, the basic facilities for installation & commissioning such as Crane service, electric power, water supply, pressurized air etc shall be provided by OIL.		
7.0	NOTE: (a) The BOP Control Unit should be capable of closing each ram BOP within 30 seconds. Closing time should not exceed 30 seconds for annular BOP smaller than 18.3/4" nominal bore and 45 seconds for annular BOP with nominal bore 18.3/4" and		

	above. Closing time for choke & kill line valves should not exceed 30 seconds. Bidder to confirm the same while quoting. (b) The bidders should specify any other auxiliaries required to operate the BOP control unit. In case it is not specified, it will be presumed that no additional component is required. Bidders are required to confirm this while quoting.		
1	**SPECIAL NOTE FOR BIDDERS:** The BOP control units shall be manufactured, tested and certified in accordance with API Spec 16D. A copy of valid API Spec 16D certificate of the manufacturer should be forwarded along with the quotation.		
2	Marking shall be done as per API specification 16D.		
3	Bidders to provide ASME Certificates for Accumulators along with the technical bid.		
4	Bidder should forward technical literature, catalogue, drawings with exploded views of each & every item, and a list of recommended spares for two (02) years operation for the quoted items indicating part numbers, quantity & unit price separately along with the quotation in the commercial bid and categorically confirm the same in the technical bid (price should not be mentioned in the technical bid). However the cost of these spares will not be considered for bid evaluation purpose. The price should remain valid for at least two (02) years.		
5	Bidders shall confirm the name of the manufacturer and country of origin of all the offered items including electrical equipments in their quotations.		
6	All electrical equipment such as AC motor, starter, pressure switch, cables & conductor fittings, light fittings, Driller Remote Control Panel with all electrical accessories etc should be suitable for use in hazardous area of zone-I and gas group IIA &IIB in oil mine and shall conform to IS/IEC/EN: 60079-0:2011 & IS/IEC/EN: 60079-1:2007 and bidders are to confirm the same while quoting. The bidders shall submit test reports conforming to the above relevant standards from an Indian Government Laboratory or NABL accredited laboratory or IECEx accredited laboratory or ATEX notified body, which is not a part of manufacturer's facility.		
7	All electrical cables shall conform to the provisions stipulated in line with IS-9968 read with the latest BHEL specifications (OR12003, OR12002 & OR12005) as the case may be.		

8	The BOP control units shall be supplied with a suitable canopy.		
9	Bidders shall confirm that the BOP control unit(s) with RCP(s) and accessories shall be complete in all respects and in ready to use condition.		
10	The skid shall be provided with a suitable lifting eye pads to avoid damage during lifting & transportation.		
11	All the items will be procured from the same source for compatibility.		
12	In the event of an order, the items should be guaranteed against any manufacturing defect, workmanship etc. for a period of 18 months from the date of dispatch or 12 months from the date of commissioning whichever is earlier. In the event any item is found defective, then it should be replaced by the supplier free of cost without any burden on Oil India Limited. Bidders must confirm the same in their quotations.		
13	Bidders should categorically confirm that the Installation & Commissioning of the BOPCU would be carried out by their competent personnel at suitable location in or around Duliajan, ASSAM, INDIA upon receipt of the unit at Duliajan. The installation and commissioning charges of the item should be separately quoted by the bidder which shall be considered for evaluation of the offers. The date for installation shall be intimated to the bidder 15 days in advance by OIL and the Commissioning shall be completed within 4 (four) weeks after receipt of all the items at Duliajan.		
14	Bidder to sign and submit completely filled up Technical check list and Technical Evaluation Matrix for Bid evaluation criteria and Technical specification.		
15	Bidder should note that in the event of an order the API licenses for manufacturing the BOP Control Units along with authorization for API monogramming should be valid, without any break, till execution of purchase order. Bidder to submit valid relevant API certificate along with the supply. Bidder should categorically confirm compliance while quoting.		
16	Bidders should categorically confirm compliance in their offers to all the above points while quoting.		

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ANNEXURE-VI

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.	The BOP Control Units with remote control panels (RCPs) and other accessories shall be manufactured, tested and certified in full compliance to API Spec 16D specifications.		
2.	The BOP control unit should have twenty (20) numbers of eleven (11) gallon, 3000 PSI Working Pressure, bladder type & cylindrical style accumulators without any welds, seams or joints.		
3.	The BOP control unit should have a 350 gallon (min.) capacity fluid reservoir.		

4.	The BOP control unit should have a main pump driven by electrical power and an alternate pump assembly driven by rig air.		
5.	The hydraulic control manifold should have pressure reducing and regulating valves for controlling annular and manifold regulated pressures.		
6.1	Bid is invited only from Original Equipment Manufacturer (OEM) and he should have an experience of minimum 5 (five) years in manufacturing the quoted items under API Spec. 16D certification. For this purpose the period reckoned shall be the period prior to the original bid closing date of the tender. Copies of API 16D certificates for the last 5 (Five) years (continuous without having any break in between) must be submitted along with techno - commercial bid. Bid without copies of valid API 16D certificates or with a break in between will be rejected.		
6.2	The bidder (OEM) should also have the experience of successful execution of supply, installation & commissioning of at least 3 (three) numbers of BOP Control Units (160 gallons or higher) with remote control panels (RCPs), to E&P companies / Drilling Contractors / Drilling service providers in the last 5 (five) years as on original bid closing date of the tender (either by them self or through their sole selling agent / distributor / dealer / supply house).		

6.3	Documentary evidence to substantiate supply record should be submitted in the form of copies of relevant signed Purchase Orders along with copies of any of the documents in respect of satisfactory execution of each of those Purchase Orders, such as: (i) Signed and sealed Satisfactory supply / completion report (in original on user's letter head) (OR) (ii) Bill of Lading (OR) (iii) Consignee delivery receipt / challan (OR) (iv) Central Excise Gate Pass/Tax Invoice issued under relevant rules of Central Excise/Vat (OR) (v) Commercial Invoice/ Payment Invoice Note: The Purchase Order date need not be within 5 (five) years preceding original bid closing date of this tender. However, the execution of supply should be within 5 (five) years preceding original bid closing date of this tender.		
6.3.1	In case, for supplementing manufacturer's supply experience criteria (6.2 & 6.3), the manufacturer submits Purchase Order(s) and relevant documents which is through their sole selling agent / distributor / dealer / supply house, then following additional documents are also to be submitted: a) Copies of signed Purchase Order(s) / Contract agreement(s) between the manufacturer and the sole selling agent/distributor/dealer/supply house and copies of any of the following documents in respect of satisfactory execution of each of those Purchase Order(s)/Contract agreement(s).		

	i) Bill of Lading (OR) ii) Commercial Invoice / Payment of Invoice of the OEM (OR) iii) Central Excise Gate Pass/Tax Invoice issued under relevant rules of Central Excise/Vat/GST.		
6.4	Experience criteria as per clauses 6.2 & 6.3 shall not be applicable for manufacturers who has successfully supplied BOP Control Units (160 gallons or Higher capacity) with remote control panels (RCPs) to OIL in the last 05 (five) years as on original bid closing date of this tender, either by them self or through their sole selling agent / authorized distributor / authorized dealer / supply house and whose past performance has been satisfactory, provided they furnish a list of OIL's order(s) executed by them indicating Purchase Order numbers and quantity supplied.		
6.5	The bidder (OEM) shall confirm that the equipment / products will be tested and certified as per API 16D.		
6.6	The bidder (OEM) must keep API licenses along with authorization for API monogram valid till execution of purchase order and must confirm that the offered product will be supplied with API Monogram.		
6.7	In case renewal process of API license is in progress at the time of bidding, the manufacturer should furnish a letter from API to this effect that renewal of the license is under examination with API and is authorized to manufacture the items as per API license and to use API monogram till the renewal for license is issued. The bidder shall also submit an undertaking that delay in renewal of API certificate shall not		

	affect the stipulated delivery schedule of the tender / purchase order		
6.8	The bidder (OEM) must guarantee to provide uninterrupted supply of spares and availability of service exclusively by themselves and not through any sole selling agent / distributor / dealer / supply house for at least ten years with effect from delivery of the Item / product for the item / product to be supplied under the Tender / Order, if order is awarded to them by OIL. This is to ensure compliance of five yearly major inspections and recertification requirement of BOP Control Units as per OISD-RP-174 and OMR-2017 guidelines.		
7.	Bidder should categorically confirm in the technical bid a delivery schedule within seven (07) months, FOB Port of dispatch, after establishment of letter of credit (in case of foreign bidder) or for dispatch of the equipment within seven (07) months after receipt of formal order (in case of indigenous bidder) failing which their offer will be rejected.		

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