INVITATION TO SUBMIT EXPRESSIONS OF INTEREST ("EOI")

INTRODUCTION

BHP Billiton Petróleo Operaciones de México, S. De R.L. De C.V. ("BHP") is currently progressing appraisal activities in the Trion field in Mexico to assess the viability of its development. If the field is declared commercial, the development will require an in-field drilling and completion program ("Drilling Program") with the use of Through-BOP Intervention Riser System (TBIRS) equipment.

PURPOSE OF THIS EOI

BHP is soliciting the interest of reputable completions equipment Contractors (hereinafter referred to as "Contractors") experienced in the provision of TBIRS equipment, to develop a list of suitable Contractors who may subsequently be invited into the bidding process for the execution of the here-in described Scope of Work. This process may eventually lead to the award of a contract for the provision of TBIRS equipment.

The EOI seeks to provide prospective Contractors with relevant background information regarding the Trion project and to describe the information to be submitted by prospective Contractors in order to assist BHP in compiling a list of suitable Contractors for further assessment.

Key project metrics and specifications are as follows:

Through-BOP Intervention Riser System SOW Summary	
General Data	
Location	Deep Water Mexico, Trion Contract Area
Water Depth	~ 2,500 m / 8,200 ft
Seabed Temp	4 °C (40 °F)
BHT Range	55 - 85 °C (132 - 185 °F)
Number of wells	11 to 18
Production Wells	Oil, gas, and water (<0.05 psi partial pressure H2S, up to 1.5 mole % CO_2) Bottom-hole Temperature = 65 - 73 °C (150 - 165 °F) when shut-in or flowing Bottom-hole Temperature = Down to 41 °C (106 °F) during well treatment
Gas Injection Wells	Produced gas (<0.05 psi partial pressure H2S, up to 1.5 mole % CO_2, 2 lb / MMSCF water) Bottom-hole Temperature = 4 °C (39 °F) minimum when injecting Bottom-hole Temperature = Up to 73 °C (165 °F) when shut-in
Water Injection Wells	Treated and filtered seawater, <40 mg/L sulfates, <10 ppb dissolved oxygen Bottom-hole Temperature = 7 °C (44 °F) minimum when injecting Bottom-hole Temperature = Up to 73 °C (165 °F) when shut-in
Control Line Fluid	Water based fluid, nominally 40% glycol
Rig	TBD
Work Schedule	Work execution estimated between: 2024 – 2027 Surface sections to be batch drilled Average total well drilling duration (including batch section) is 26 days Average total well completion duration is 36 days

Well Design - Equipment & Tools	
Primary System Components	Flowhead Assembly c/w remote panel, swivel and quick connect Umbilical with reeler, HPU, and clamps Lubricator Valves Subsea Test Tree c/w shear/seal valves, retainer valve, latch, BOP and annular slick joints, and shear joint BOP Spanner Joint with shear joint, BOP and annular slick joints
TBIRS Validation	API 17G, Third Edition (preferred)
Back-up Equipment	100% tool redundancy on rig
Hydraulic Feed-Thrus	13 for THRT and Upper Completion (TBD)
Electrical Feed-Thrus	None required
Max Applied Bore Pressure (mudline)	10,000 psia
Max Applied Thru-Bore Hydraulic Line Pressure (mudline)	12,500 psia
Swivel	10,000 psi, 1,000,000 lb tensile low-torque (<8,000 ft·lb) Above parameters are required when flowhead is under full tension and full pressure in order to enable use of drillship's DP capabilities
Shear Capability	Slickline, mono- and multi-conductor wireline, 2 in coil tubing
Running Equipment	HPU with digital pressure gauges and data recording capability Control line & HPU fluid cleanliness: SAE AS4059F or NAS 1638 Class 6 or better
Drift (minimum)	6.125 in (TBD)
BOP Ported Slick Joint OD	7.625 in
Min Tensile Strength (mudline)	500,000 lbs
Min Tensile Strength (surface)	1,000,000 lbs
Chemical Injection Fluid	Methanol / Glycol
Control Fluid	HW540 or equivalent
Completion Fluid Type	$CaBr_2$ / $CaCl_2$ with MEG and other additives (TBD)
Completion Fluid Density	9.5 ppg – 11 ppg
Stimulation Fluid Types	HCl, HF, Acetic acid, Formic Acid, Xylene, Toluene All fluids to be blended with inhibitors and other additives (TBD)

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Services	
Technical Support and Facilities	All necessary equipment and services required to execute the drilling programs and well designs including: • Onshore support base • Technical engineering support in BHP's office in CDMX. • Appropriate facilities for storage and maintenance of equipment. • Qualified engineers, technicians, supervisors and operators for equipment maintenance and services. *Note: All fluids, equipment and facilities must be fully compliant with local regulations and industry best practices.*

Logistics	
Trion Field Location	180 km East off the coast of Tamaulipas (Matamoros)
BHP Rig operations Shorebase	Likely to be in Altamira/Tampico *Note: If required contractor to provide transportation of the Contractor's Equipment and Contractor's Goods and Consumables between Contractor's Operations Base and BHP's Supply Base or Shorebase.*
Heliport	Likely to be in Matamoros

Minimum Personnel Requirements	
Contract Coordinator / Engineer	Yes, at supplier's Mexico office
Field Engineer / Technician	Yes, offshore (4)

HSE	
Minimum requirements	Must comply with BHP's HSE requirements and local regulations, including COVID-19 protocols (if applicable).

Any entity responding to this EOI must have the capacity and capability to safely provide and install the Through-BOP Intervention Riser System equipment, which meets or exceeds the specifications noted above without co-venturing for supply.

Note: The scopes and specifications presented in this document are the most accurate estimates at this time and are subject to change. Any information included in this EOI is not to be associated with any other EOI or tender from BHP.

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INFORMATION REQUIRED FROM PROSPECTIVE CONTRACTORS

Interested Contractors must provide the information requested below in order to be considered for further assessment (this information is also listed in the attached Expression of Interest (EOI) Response Form).

Company Name:	
Legal Entity Name (if different from Company Name):	
Company Type (Please check one):	☐ **Local** ☐ **Foreign** ☐ **Joint Venture (JV)** *If JV, please list involved Companies:*
Mailing Address:	
Country:	
Designated Contact *(name and title)***:**	
Email Address:	
Telephone:	
Year Company founded:	
Website URL:	
Please list your top three (2-3) competitors:	
Please list your top five (5) clients:	
Number of years' experience operating in Mexico:	
Deepwater Operating Experience:	
Anticipated lead time (per well if possible) required to support the proposed scope:	
Anticipated Mexican content (local Content) in your operation:	

Confirmation of Interest – prospective Contractor is requested to confirm their company interest and compliance with requirements outlined in this EOI Letter by completing and signing the EOI Response Form.

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EOI RESPONSE SUBMISSION REQUIREMENTS

Prospective Contractors interested in participating in the identification/assessment process must download, complete and sign the EOI Response Form attached. This Form should be signed by a legal representative of the Contractor. The representative's name should also be printed where requested. The electronic version of the Form is located at https://www.bhp.com/our-businesses/petroleum/trion/, and submit to the following inbox:

BHP Petroleum (BHP)

jorge.je.hermosilla@bhp.com

Submissions should be made electronically by no later than close of business 5:00 pm (CST) on 7 May 2021. BHP reserves the right not to accept submissions after this time. Submissions must be kept short and concise. Please endeavor to keep the submission under **5 MB**, if possible.

Please note that this invitation to submit expression of interest does not constitute a formal request for quotation or proposal, nor is it intended to create any expectations regarding future business dealings between BHP and recipient.

All EOI documents will become and remain BHP's property. BHP shall not be liable in any respect for any costs, damages, charges or expenses incurred by the contractor in relation to preparing or submitting this EOI response. BHP reserves the right to accept or reject any or all EOI submissions that may be received related to the services requested. BHP reserves the right to change the requirements of this EOI, terminate further participation in the EOI process and change or terminate the contracting process at any time.

Thank you in advance for your willingness to respond to this EOI. We look forward to hearing from you. Should you have any questions or issues regarding the process outlined above, please contact the undersigned at jorge.je.hermosilla@bhp.com

Sincerely,

Jorge Hermosilla

Principal Value Chain, Drilling & Completions

BHP Billiton Petroleum

Enclosures:

Expression of Interest (EOI) Response Form