



বাংলাদেশ পেট্রোলিয়াম এক্সপ্লোরেশন এন্ড প্রোডাকশন কোম্পানী লিমিটেড (বাপেক্স)  
BANGLADESH PETROLEUM EXPLORATION & PRODUCTION COMPANY LIMITED (BAPEX)

(A Company of Petrobangla)

Foreign Purchase Department, Administration Division, BAPEX Bhaban (Level-4), 4 Kawran Bazar C/A, Dhaka-1215, Bangladesh

web: www.bapex.com.bd



1.	Ministry/Division	Ministry of Power, Energy & Mineral Resources/Energy & Mineral Resources Division
2.	Agency	Bangladesh Oil, Gas & Mineral Corporation (Petrobangla)
3.	Procuring Entity Name	1) Bangladesh Petroleum Exploration & Production Company Limited (BAPEX) and 2) Bangladesh Gas Fields Company Limited (BGFCL)
4.	Procuring Entity District	Dhaka and Brahmanbaria
5.	Expression of Interest for Selection of	Consulting Firm (International) for two deep (HPHT) exploratory drilling wells (Srikail Deep-1 (5300, $\pm 100$ meter TVDSS) & Mubarakpur South East-1 (5000 ( $\pm 100$ ) meter TVDSS; 5100 ( $\pm 100$ ) meter MD))" under BAPEX, and two deep (HPHT) exploratory drilling wells (Titas-31(Deep) 5600 ( $\pm 50$ ) meter TVDSS; 5617.5 meter MD) & Bakhraabad-11 ((Deep) 4360 ( $\pm 50$ ) meter TVDSS; 4525.6 meter MD) under BGFCL
6.	EOI Ref. No. & Date	BAPEX/ADMIN/INT/EOI-1179/2023, Date: 08.05.2023
7.	Procurement Method	Quality and Cost Based Selection (QCBS)
8.	Budget and Source of Funds	GOB Fund
9.	EOI Closing Date and Time	14.06.2023 at 12:00 pm. (BST).
10.	Location of the Project	i) Srikail Deep-1: Muradnagar Upazilla, Cumilla District, Bangladesh. ii) Mubarakpur South East-1: Sujanagar Upazilla, Pabna District, Bangladesh iii) Titas-31 (Deep): Brahmanbaria Sadar Upazilla, Brahmanbaria District, Bangladesh iv) Bakhraabad-11 (Deep): Muradnagar Upazilla, Cumilla District, Bangladesh.
11.	Place of Submission	Foreign Purchase Department, Administration Division, BAPEX, Level-4, BAPEX Bhaban, 4 Kawran Bazar, Dhaka-1215
12.	Brief Description of Assignment	12.1 BAPEX & BGFL are two companies of Petrobangla under the Ministry of Power, Energy & Mineral Resources Bangladesh, intend to drill Four Deep (HPHT) wells (two wells under BAPEX & two wells under BGFL) to test the deeper prospects for oil/gas exploration & production. Therefore, it has been decided to procure consultancy services from an internationally reputed Consulting Firm. 12.2 The international Consulting Firm will act as a Technical Advisor to BAPEX & BGFL and assist in two phases: <b>Phase-I: Procurement/tendering for engaging drilling contractor with third-party engineering services</b> and <b>Phase-II: Engagement of consultants for field supervision during drilling.</b> <b>Phase-I (but not limited to):</b> (i) preparation/finalization of all tender documents of four Deep (HPHT) wells (drilling contractor with third-party engineering services, drilling materials, mud chemical etc.); (ii) clarifying tenderer's queries during tendering stage; (iii) verifying tenderer's design and modifications thereof; (iv) review of all related study reports (including well proposal) of proposed four Deep (HPHT) wells; (v) finalize the design (Geological Technical Order-GTO& drilling program) of proposed four Deep (HPHT) wells; (vi) study of Managed Pressure Drilling (MPD) for four Deep (HPHT) wells; <b>Phase-II (but not limited to):</b> (i) supervision of drilling contractor's work during implementation; (ii) engagement of consultants for field supervision during drilling, testing and completions; (iii) supervision of all geological activities during drilling; (iv) ensuring environmental standards during drilling & completions; (v) preparing periodic progress reports; and (vi) All as necessary and appropriate for successful implementation and completion of all the proposed wells. 12.3 The Terms of Reference of the Consulting Firm are (but not limited to) as follows: <b>Phase-I: Procurement/tendering for engaging drilling contractor with third-party engineering services</b> -Identifying all services and materials required including estimated bill of quantities for the drilling/testing/completion activities of four Deep (HPHT) wells. -Preparation and presentation of complete tendering schedule to meet project timelines. -Prepare technical specifications and scope of work/service for all tenders/contracts for various services/materials required for drilling & testing. -To prepare draft Contract Agreement for each tender as per PPR 2008 format, assistance to be provided. -Assist in identification and selection of all materials, services and equipments in line with Deep (HPHT) wells standard. -Finalize the design (GTO& drilling program) of proposed four Deep (HPHT) wells; -Study of Managed Pressure Drilling (MPD) for four Deep (HPHT) wells reviewing all related study reports. <b>Phase-II: Engagement of consultants for field supervision during drilling</b> -Drilling Supervisor will supervise drilling activities as per drilling program including third-party engineering services and preparation of relevant reports of the assignment including well completion reports. Acting as a Team Leader of the consultancy services for overall management, maintain close communication with client representative and Drilling Contractors. Direct all operations safely and according to international petroleum industry standards in all phases of drilling and completion operations. Making recommendations for corrective actions if problems are identified and any other analysis as required. -Petroleum Geologist/Wellsite Geologist will assist in finalization of mud logging, coring & logging programs, supervision of mud-logging, coring & logging operations, including log analysis and



		<p>preparation of geological prognosis of drilling sections &amp; reservoirs and any other analysis as required. Interpretation and validation of subsurface pressure data including fluid contacts, pore pressure prediction, fracture pressure prediction, identification and analysis of overpressure zones. Keep the client representative fully informed of geological matters relevant to his role.</p> <p><b>-Petroleum Engineer (Testing/Completion)</b> will assist in DST, well testing &amp; completion design of Deep/HPHT wells drilling; running-in of completion string/testing operation; finalization of drill stem testing &amp; production testing program, prepare production analysis (Productivity including optimization, skin, permeability, AOF, reservoir boundary etc.) and any other analysis as required. The Consulting Firm will also require to assist BAPEX &amp; BGFCL in any other technical matter related to firm's fields of expertise.</p> <p>12.4 To carry out consultancy services for the above-mentioned drilling of four Deep (HPHT) wells under BAPEX &amp; BGFCL, categories of consultants with tentative man-month are:</p> <p><b>Phase-I:</b></p> <table><tr><th colspan="3">For Four (04) Deep (HPHT) Wells Under BAPEX &amp; BGFCL</th></tr><tr><th>Category of Consultants</th><th>No.</th><th>Man-month</th></tr><tr><td>1 Senior Drilling Engineer</td><td>1</td><td>2</td></tr><tr><td>2 Material Manager</td><td>1</td><td>2</td></tr></table> <p><b>Phase-II:</b></p> <table><tr><th colspan="3">For Two (02) Deep (HPHT) Wells of BAPEX</th></tr><tr><th>Category of Consultants</th><th>No.</th><th>Man-month</th></tr><tr><td>1 Drilling Supervisor (Team Leader)</td><td>1</td><td>10</td></tr><tr><td>2 Petroleum Geologist/ Wellsite Geologist</td><td>1</td><td>8</td></tr><tr><td>3 Petroleum Engineer (Testing/Completion)</td><td>1</td><td>6</td></tr></table> <table><tr><th colspan="3">For Two (02) Deep (HPHT) Wells of BGFCL</th></tr><tr><th>Category of Consultants</th><th>No.</th><th>Man-month</th></tr><tr><td>1 Drilling Supervisor (Team Leader)</td><td>1</td><td>10</td></tr><tr><td>2 Petroleum Geologist/ Wellsite Geologist</td><td>1</td><td>8</td></tr><tr><td>3 Petroleum Engineer (Testing /Completion)</td><td>1</td><td>6</td></tr></table>	For Four (04) Deep (HPHT) Wells Under BAPEX & BGFCL			Category of Consultants	No.	Man-month	1 Senior Drilling Engineer	1	2	2 Material Manager	1	2	For Two (02) Deep (HPHT) Wells of BAPEX			Category of Consultants	No.	Man-month	1 Drilling Supervisor (Team Leader)	1	10	2 Petroleum Geologist/ Wellsite Geologist	1	8	3 Petroleum Engineer (Testing/Completion)	1	6	For Two (02) Deep (HPHT) Wells of BGFCL			Category of Consultants	No.	Man-month	1 Drilling Supervisor (Team Leader)	1	10	2 Petroleum Geologist/ Wellsite Geologist	1	8	3 Petroleum Engineer (Testing /Completion)	1	6
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13.	Experience, Resources and Delivery Capacity Required	<p>BAPEX &amp; BGFCL invite EOI from well reputed international consulting firms/Joint Ventures (JV) interested to render the services under the Project. Required experience for the firm, qualification &amp; experience for each category of consultants are as under:</p> <p><b>A. The Firm:</b></p> <ul style="list-style-type: none"><li>-The Consulting Firm should be reputed (ISO 9001 certified or equivalent), specializing in oil and gas sector and have at least 15 years of experience (In case JV, each member should have at least 15 years of experience) in providing consultancy services in oil and gas related projects, during which at least 5 (five) projects must be in drilling of Deep/HPHT wells.</li><li>-The Consulting Firm must have experience at least 5 projects (out of which minimum 2 overseas projects) to prepare the tender documents for all services, materials etc. for Deep/HPHT wells drilling as stated in 12.2.</li><li>-The Consulting Firm shall have adequate administrative strength and financial strength to carry out the project (minimum working capital one million USD).The Consulting Firm must have in their payroll or have agreement/arrangement with minimum 3 (three) qualified &amp; experienced personnel for each category of consultants as stated in 12.4, who will be available for providing services under the projects during the period July, 2023 to June, 2025 (Expected).</li></ul> <p><b>B. The Consultants:</b></p> <p><b>Phase-1: Procurement/tendering for engaging drilling contractor with third-party engineering services</b></p> <p><b>Senior Drilling Engineer</b></p> <ul style="list-style-type: none"><li>-should be a drilling engineer (Diploma/B.Sc./M.Sc. from recognized institute) having level-4 (four) IWCF supervisory professional training (or equivalent) in oil/gas well drilling/ completion/well control.</li><li>-should have minimum 20 years of experience (out of which 5 years overseas) as Drilling Engineer.</li><li>-should have minimum 5 projects experience of Deep/HPHT wells.</li><li>-should have proven expertise in well engineering/design and dealing with various well complications, well control, drilling of directional wells and DST.</li><li>-should have knowledge in procurement and tendering of third-party services and materials etc. for Deep/HPHT well drilling.</li><li>-having international professional membership (such as IWCF/IADC/WellCap etc.) will be appreciated.</li><li>-knowledge of project and program management systems and processes, HSE standards are essential.</li><li>-should have good proficiency in English.</li></ul> <p><b>Material Manager</b></p> <ul style="list-style-type: none"><li>-should be an engineer (B.Sc./M.Sc. from recognized institute) having professional training in contract &amp; procurement work for oil &amp; gas industry.</li><li>-should have minimum 15 years of experience (out of which 5 years overseas) as Engineer with at least 5 years in material planning/management in oil/gas well drilling.</li><li>-should have minimum 5 projects experience of Deep/HPHT wells.</li><li>-should have proven expertise in material planning/management in deep/HPHT wells.</li><li>-knowledge of project and program management systems and processes, HSE standards are essential.</li><li>-should have good proficiency in English.</li></ul> <p><b>Phase-2: Engagement of consultants for field supervision during drilling</b></p> <p><b>Drilling Supervisor</b></p>																																										




		<ul style="list-style-type: none"> <li>-should have minimum Diploma Engineering in relevant discipline or B.Sc., M.Sc. in Engineering discipline from any recognized institute.</li> <li>-should have at least level-4 (four) IWCF supervisory level professional training (or equivalent) in oil/gas well drilling/completion/well control.</li> <li>-should have minimum 20 years' overall experience (out of which 5 years overseas) in well Design, well Control, drilling &amp; completion.</li> <li>-should have experience in 5 Deep/HPHT wells' related projects (in last 8 years).</li> <li>-should have experience in preparation of drilling program; cementation/mud engineering, materials scheduling; supervising drilling of oil &amp; gas wells including running of casing/tubing, completion, liner etc.</li> <li>-having international professional membership (such as IWCF/IADC/WellCap etc.) will be appreciated.</li> <li>-overseas experience in the similar works should be in minimum 2 (two) countries.</li> <li>-should have minimum 3 projects' experience as a Team Leader.</li> <li>-should have good proficiency in English.</li> </ul> <p><b>Petroleum Geologist/Wellsite Geologist</b></p> <ul style="list-style-type: none"> <li>-should have minimum B.Sc. in Geology or M.Sc., Ph.D. in Geological discipline with Petroleum Geology as a subject from any recognized institution.</li> <li>-should have minimum 20 years' overall experience (out of which 5 years overseas) as Petroleum Geologist/Wellsite Geologist.</li> <li>-should have experience in 5 Deep/HPHT wells' related projects (in last 8 years).</li> <li>good knowledge in petroleum geology including seismic/geological interpretation; well log correlation; work related to the preparation and interpretation of geological maps/sections; prospect evaluation; preparation of geological program for drilling new wells, well site geology etc.</li> <li>-having international professional membership (such as AAPG/SEG/SPE etc.) will be appreciated.</li> <li>-overseas experience in the similar works should be in minimum 2 (two) countries</li> <li>-should have good proficiency in English</li> </ul> <p><b>Petroleum Engineer (Testing/Completion)</b></p> <ul style="list-style-type: none"> <li>-should have minimum B.Sc. in Pet. Eng. or M.Sc. Pet. Eng. or Ph.D. in relevant discipline from any recognized institution.</li> <li>-should have minimum 20 years' overall experience (out of which 5 years overseas) in DST, well testing &amp; completion; programming, performing &amp; analyzing of production testing;</li> <li>-should have experience in 5 Deep/HPHT wells' related projects (in last 8 years).</li> <li>-having international professional membership (such as SPE etc.) is appreciated.</li> <li>overseas experience in the similar works should be in minimum 2 (two) countries.</li> <li>-should have good proficiency in English.</li> </ul>
14.	<b>Requisite qualification of Consulting Firm</b>	<p>The Consulting Firms from all countries (except the countries which have no diplomatic relationship with Peoples' Republic of Bangladesh) are eligible to submit Expression of Interest (EOI) proposal indicating the desire to provide above mentioned consultancy services. The EOI shall include but not limited to the following:</p> <ul style="list-style-type: none"> <li>-The Firm's registration certificate;</li> <li>-Company profile: i.e. established time, management, no. of employee, no. of qualified engineers, Firm's specialty, track record etc.;</li> <li>-The latest annual report, Company's printed brochure etc.;</li> <li>-Description of similar assignments performed during the last 15 years (counting backward from the EOI submission deadline) including references from the respective clients;</li> <li>-Experience of the Firm/JV (experience of all partners jointly) in last 15 years for consulting services (such as project management, procurement assistance, and supervision) for oil &amp; gas industry related projects. Minimum 5 (five) Deep/HPHT projects' experience is required;</li> <li>-Experience of the Firm/JV (experience of all partners jointly) in last 15 years (counting backward from the EOI submission deadline) for consulting services (such as project management, procurement assistance and supervision) for at least 5 projects of drilling of Deep/HPHT oil/gas wells with minimum 2 (two) overseas project's experience is required;</li> <li>-Experience in areas with similar geological (clastic sedimentological environments) and geographical conditions;</li> <li>-Availability of personnel with appropriate skills in various categories of required consultants (3 CV's should be attached for each category of consultants);</li> <li>-Report of financial status (audited financial reports) of the firm for the last 3 (three) years;</li> <li>-Proper documents in favor of minimum working capital 1 (one) million USD to carry-out the consultancy services.</li> <li>-In case of joint venture, joint venture agreement/letter of intent including scope of services that the other firm will provide.</li> </ul>
15.	<b>Other Details</b>	<p>Interested Consulting Firms should submit the EOI proposal (1 Original &amp; 2 Copies along with soft copy in an envelope with the relevant information and documents to be marked with "EXPRESSIONS OF INTEREST (EOI) for Engagement of Consulting Firm for Two Deep (HPHT) Exploratory drilling wells Srikail Deep-1 &amp; Mubarakpur South East-1 under BAPEX and Two Deep (HPHT) Exploratory drilling wells Titas-31 (Deep) &amp; Bakhrabad-11 (Deep) under BGFL on 14.06.2023 at 12: 00pm. (BST)". No proposal will be received after the deadline.</p> <p>In case of unavoidable circumstances such as strike, civil commotion, govt. declared holiday etc. EOI proposal will be received and opened on the following working day. Upon receipt of EOI proposals, the interested Consulting Firms that are deemed best suited to perform the assignment will be short listed. Thereafter Request for Proposal (RFP) document will be sent to shortlisted Firms.</p>
16.	<b>Name and Designation of the</b>	Md. Asad Ullah, Divisional Head, Administration Division



	Official Inviting EOI	
17.	Address of Official Inviting EOI	Level-5, BAPEX Bhaban, 4, kawran Bazar, Dhaka-1215
18.	Contact details of Official Inviting EOI	Tel: +880-255011774, Mobile: 01713129683, E-mail: <a href="mailto:purchase@bapex.com.bd">purchase@bapex.com.bd</a> , Alternate E-mail: <a href="mailto:purchase.bapex@gmail.com">purchase.bapex@gmail.com</a>
19.	The EOI notice will be available at these websites: <a href="http://www.petrobangla.org.bd">www.petrobangla.org.bd</a> ; <a href="http://www.cptu.gov.bd">www.cptu.gov.bd</a> , <a href="http://bapex.com.bd">bapex.com.bd</a> and <a href="http://bgfcl.org.bd">bgfcl.org.bd</a>	
20.	This EOI will be evaluated as per the Public Procurement Act-2006 & Public Procurement Regulations-2008 of Bangladesh.	
21.	The procuring entity reserves the right to accept or reject any and/or all EOIs made in response to this invitation without assigning any reasons whatsoever.	
		General Manager (Administration)

Not to be printed

  
10/05/2023

Md. Asad Ullah

Divisional Head, Administration Division