

RELIANCE INDUSTRIES LIMITED Petroleum Business (E&P) Notice Inviting Expression of Interest (RIL/E&P/EOI/2021/01) (Under International Competitive Bidding)

A) For All Blocks

Reliance Industries Limited (RIL), as operator, on behalf of itself & its co-venturers invites Expression of Interest (EOI) from reputed and experienced Contractors for following categories, for the blocks acquired under NELP-I:

| CATEGORY NO. | CATEGORY DESCRIPTION |
|--------------------|---|
| DRL/COMN/2021/1 | All Services, Equipment and Materials for Exploratory & Development Drilling, |
| DI(E/601111/2021/1 | Completion, Workover & Intervention |
| GAG/COMN/2021/2 | Geophysical Surveys particularly MagnetoTelluric and Seismic Surveys |
| DEV/COMN/2021/3 | Geo-Technical Investigation for Offshore Field Development |
| DEV/COMN/2021/4 | Geo-Physical Surveys for Offshore Field Development |
| DEV/COMN/2021/5 | Geo-Hazard Studies for Offshore Field Development |

B) For Block No. KG-DWN-98/3 (KG-D6)

Reliance Industries Limited (RIL), as operator, on behalf of itself & its co-venturers invites Expression of Interest (EOI) from reputed and experienced Contractors for following categories, for Deep-water Block No. KG-DWN-98/3 (KG D6) in East coast of India:

| CATEGORY NO. | CATEGORY DESCRIPTION |
|-----------------|---|
| OAM/KGD6/2021/1 | Services of Multi Support Vessel for Subsea Intervention |
| OAM/KGD6/2021/2 | Providing Mooring Services for Crude Offtake Operations from FPSO |
| OAM/KGD6/2021/3 | Provision of Pull back Tug for Crude Offtake Operations and Hawser & Hose |
| | Handling Boat for Crude Offtake Operations from FPSO |

Interested Contractors/Vendors are requested to visit our website <u>www.ril.com</u> for further details on the above and submit their EOI through e-mail on <u>deveoiresponse.eandp@ril.com</u>, on or before 15 March 2021. Subject of the mail should mention "RIL/E&P/EOI/2021/01" along with category number. For documents size beyond 15 MB, Contractors/Vendors should request RIL through e-mail to provide FTP link for uploading EOI documents. RIL will later ask Contractors/ Vendors to submit hard copies of their EOI in duplicate along with electronic copy on CD/ DVD/ Pen Drive with all details through courier / post.

Address for Communication:

Chief – Supply Chain Management, Reliance Industries Limited, Petroleum Business (E&P), Building No 11, 'A' Wing, Second Floor, Reliance Corporate Park (RCP), Thane-Belapur Road, Ghansoli, Navi Mumbai-400701, India Email Address: - <u>deveoiresponse.eandp@ril.com</u> CIN: L17110MH1973PLC019786

Further details on the above requirements are as below:

A) For All Oil & Gas Fields

Reliance Industries Limited (RIL), as operator, on behalf of itself & its co-venturers invites Expression of Interest (EOI) from reputed and experienced Contractors for following categories, for the blocks acquired under NELP-I:

| CATEGORY NO. | CATEGORY DESCRIPTION |
|---|--|
| DRL/COMN/2021/1 All Services, Equipment and Materials for Exploratory & Development Completion, Workover & Intervention | |
| GAG/COMN/2021/2 | Geophysical Surveys particularly MagnetoTelluric and Seismic Surveys |
| DEV/COMN/2021/3 | Geo-Technical Investigation for Offshore Field Development |
| DEV/COMN/2021/4 | Geo-Physical Surveys for Offshore Field Development |
| DEV/COMN/2021/5 | Geo-Hazard Studies for Offshore Field Development |

Contractors interested to pre-qualify for receiving tenders are required to submit the information as detailed below:

<u>Category No: DRL/COMN/2021/1</u> for All Services, Equipment and Materials for Exploratory & Development Drilling, Completion, Workover & Intervention

> Scope

Supply of all Equipment, Materials and all services for Exploratory & Development Drilling, Completion, Workover & Intervention.

Contractor shall submit:

- Details of contracts executed in preceding five years including client contact details (Please attach the details with complete technical information and appropriate certification / documentation).
- Details/ Technical specifications of Equipment/ Resources/ Vessels directly owned and details of competent technical personnel/ organization chart.
- Company profile and audited financial results (balance sheet) for last five years.
- Details of present work commitments and anticipated workload.
- Brief on Health, Safety, Environment and Quality Assurance systems followed along with track record for last three years and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent equipment/material/service provider.

| Contractors are request | ed to res | spond to one or more of following sub-ca | tegories: |
|------------------------------------|-----------|---|--|
| DRL/COMN/2021/1 | Descrip | tion of Service/ Supply | Reference No. |
| All Services, Equipment | 1. | New Generation Floaters (Drill ships / Semi) | DRL/COMN/2021/1.1 |
| and Materials for Exploratory & | 2. | Drilling & Fluid Engineering & Maintenance - WBM / SBM / OBM including supply of Drilling | DRL/COMN/2021/1.2 |
| Development Drilling, | | Fluid Materials & Additives | |
| Completion, Workover & | 3. | Electro logging Services | DRL/COMN/2021/1.3 |
| Intervention | 4. | Solid control equipment & services (Including Filtration) | DRL/COMN/2021/1.4 |
| | 5. | Provision of Cementing & associated pumping | DRL/COMN/2021/1.5 |
| | | services, Down-hole Tools, services and supply of Cementing Equipment, Chemicals, Additives and Casing hardware | |
| | 6. | Drilling Tools/ Fishing / Milling / Abandonment | DRL/COMN/2021/1.6 |
| | 7. | Formation Evaluation & Coring | DRL/COMN/2021/1.7 |
| | 8. | Down-hole motors, Rotary Steerable System, | DRL/COMN/2021/1.8 |
| | | Directional Drilling & MWD / LWD Services. | |
| | 9. | Casing / Tubing running equipment and services. | DRL/COMN/2021/1.9 |
| | | Coil tubing, Nitrogen & Stimulation services. | DRL/COMN/2021/1.10 |
| | | Slick-line service. | DRL/COMN/2021/1.11 |
| | | Hiring of PSVs / AHTS with DP capabilities | DRL/COMN/2021/1.12 DRL/COMN/2021/1.13 |
| | | Hiring of Security / Patrol Boats. Operation & Maintenance of Helicopter | DRL/COMN/2021/1.13 DRL/COMN/2021/1.14 |
| | | Rig positioning, Current measurements & Site | DRL/COMN/2021/1.14 DRL/COMN/2021/1.15 |
| | | Surveys. | |
| | | ROV Services. | DRL/COMN/2021/1.16 |
| | 17. | Supply of Casings, Pup Joints, Crossovers & Accessories | DRL/COMN/2021/1.17 |
| | 18. | Supply of Tubings, Pup Joints, Crossovers & Accessories | DRL/COMN/2021/1.18 |
| | 19. | Hole Enlargement Services | DRL/COMN/2021/1.19 |
| | | Liner Hangers Supply & Services | DRL/COMN/2021/1.20 |
| | 21. | Supply of Drill Bits (Roller / PDC / Diamond) / Hole Openers / Reamers / Stabilizers | DRL/COMN/2021/1.21 |
| | 22. | Annular Pressure Monitoring, Managing & Mitigation for Deepwater projects | DRL/COMN/2021/1.22 |
| | 23 | Supply of API Class 'G' Oil Well Cement | DRL/COMN/2021/1.23 |
| | | Mudline Suspension systems | DRL/COMN/2021/1.24 |
| | | Near balance Drilling Services | DRL/COMN/2021/1.25 |
| | | Operation, House-keeping, Maintenance and Management of Supply base facilities and | DRL/COMN/2021/1.26 |
| | 27 | infrastructure CHA services | DBI /COMN/2021/1 27 |
| | | Freight forwarding services | DRL/COMN/2021/1.27 DRL/COMN/2021/1.28 |
| | | Transportation Services | DRL/COMN/2021/1.29 |
| | | Hiring of P&M for shore base | DRL/COMN/2021/1.30 |
| | | Fuel Supply (HSD, HF-HSD, LDO, ATF, Bio Diesel) for Vessels, Rigs & Helicopters | DRL/COMN/2021/1.31 |
| | | Supply of Mudmats | DRL/COMN/2021/1.32 |
| | | DKD / MOTF Services | DRL/COMN/2021/1.33 |
| | | Sand Control Equipment & Services | DRL/COMN/2021/1.34 |
| | | Wellbore Surveys Weather forecasting Services | DRL/COMN/2021/1.35 DRL/COMN/2021/1.36 |
| | | Mud logging Services | DRL/COMN/2021/1.30 DRL/COMN/2021/1.37 |
| | | H2S Services | DRL/COMN/2021/1.38 |
| | | DST Equipment & Services | DRL/COMN/2021/1.39 |
| | 40. | PVT analysis, Well Fluid Sampling & Analysis | DRL/COMN/2021/1.40 |
| | | Rig positioning QC services | DRL/COMN/2021/1.41 |
| | | Diving services | DRL/COMN/2021/1.42 |
| | | Communication Equipment | DRL/COMN/2021/1.43 |
| | | Any Specialized Services for HP/HT wells Services of High Pressure pumps/ Kill pumps | DRL/COMN/2021/1.44 DRL/COMN/2021/1.45 |
| | | Disposal of Hazardous and/or Dangerous | DRL/COMN/2021/1.45 |
| | 17 | goods (incl. drilling waste) Services of Mud Cooler | DRL/COMN/2021/1.47 |
| | 47. | | |

| DRL/COMN/2021/1 | Description of Service/ Supply | Reference No. |
|-----------------|---|-------------------------|
| | 48. Supply of MEG | DRL/COMN/2021/1.48 |
| | 49. A) Agencies providing Expat & Ind | |
| | personnel for position of drilling superviso | |
| | | |
| | well completion engineer, Subsea superviso | |
| | Completion Supervisor, Well Test Supervis | or, |
| | RIG positioning QC services, well s | site |
| | geologist, consultancy services and any oth | |
| | category of personnel required in E | |
| | Business. | |
| | | |
| | 49 B) Agencies providing Indian personnel | |
| | plant supervision, operation, Assistant for | |
| | jobs, assistance for operation of shore ba | se |
| | and warehouses, assistance in faci | lity |
| | management, Technicians, LAQ field offic | er |
| | Radio operator, SAP professionals, AutoCa | |
| | | |
| | Draughtsman, Document controller and a | |
| | other categories required for operation of E | &P |
| | business | |
| | 50. Turbo drill services | DRL/COMN/2021/1.50 |
| | 51. In situ internal casing isolation system | DRL/COMN/2021/1.51 |
| | | |
| | 52. Third Party Reservoir/ Reserves/ Sour | rce DRL/COMN/2021/1.52 |
| | Evaluation / Assessment of Oil/ Gas Fields | |
| | 53. Geo-mechanical study | DRL/COMN/2021/1.53 |
| | 54. Hiring of Helicopter services | DRL/COMN/2021/1.54 |
| | 55. Helicopter Safety & Maintenance Audit | DRL/COMN/2021/1.55 |
| | 56. Drilling Optimization Consulting (Drilling t | he DRL/COMN/2021/1.56 |
| | Limit) | |
| | 57. Mooring Analysis and Equipment | DRL/COMN/2021/1.57 |
| | | |
| | 58. Vessel safety and condition Audit | DRL/COMN/2021/1.58 |
| | 59. Oil Spill response Services | DRL/COMN/2021/1.59 |
| | 60. Well Control Services | DRL/COMN/2021/1.60 |
| | 61. Supply of Subsea Wellheads and runni | ng DRL/COMN/2021/1.61 |
| | tools | 5 |
| | 62. Supply of Mud tanks | DRL/COMN/2021/1.62 |
| | 63. Supply and fabrication of Equipment requir | |
| | | eu DRL/COIVIN/2021/1.03 |
| | for base operation. | |
| | 64. Supply of cargo baskets, lifting shackles, st | eel DRL/COMN/2021/1.64 |
| | pallets, cargo containers, etc. | |
| | 65. Supply of Mobile Silos | DRL/COMN/2021/1.65 |
| | 66. Supply of solid expandable tubular & runni | ng DRL/COMN/2021/1.66 |
| | Services | |
| | | DRI /COMNI/2024/4 67 |
| | 67. Supply of Safety Equipment | DRL/COMN/2021/1.67 |
| | 68. Supply of H2S Detection system | DRL/COMN/2021/1.68 |
| | 69. Supply of Bulk handling plant. | DRL/COMN/2021/1.69 |
| | 70. NDT/Inspection services (incl. MPI & Load to | est DRL/COMN/2021/1.70 |
| | services) | |
| | 71. Hospitality Services | DRL/COMN/2021/1.71 |
| | 72. Marine environmental hind casting studies | DRL/COMN/2021/1.72 |
| | | |
| | 73. Core Analysis & Formation Damage Studies | DRL/COMN/2021/1.73 |
| | 74. Laboratory Analysis : | |
| | a. Geochemical Analysis | DRL/COMN/2021/1.74A |
| | b. Micro CT Scan | DRL/COMN/2021/1.74B |
| | c. Biostratigraphy & Palaeontological Servic | |
| | d. Sedimentology & Core Analysis Evaluatio | |
| | e. Special Studies | DRL/COMN/2021/1.74D |
| | | |
| | 75. Environment rapid risk assessment services | |
| | 76. Vessel Tank cleaning services | DRL/COMN/2021/1.76 |
| | 77. Cutting Dryer System | DRL/COMN/2021/1.77 |
| | 78. Well Intervention Supply & Services | DRL/COMN/2021/1.78 |
| | 79. Toxicity testing of Drilling Mud (LC50) | DRL/COMN/2021/1.79 |
| | | |
| | 80. Pre hire & Periodic Rig Inspection Service | es/ DRL/COMN/2021/1.80 |
| | Safety and Condition Audit | |
| | 81. Preset Mooring Equipment & Services | DRL/COMN/2021/1.81 |
| | 82. Manage Pressure while Drilling (MPD) Servi | ce DRL/COMN/2021/1.82 |
| | | |

| DRL/COMN/2021/1 | Description of Service/ Supply | Reference No. |
|-----------------|--|--|
| | 84. Supply of Cross Link Polymer | DRL/COMN/2021/1.84 |
| | 85. Metocean Data Measurement and Real Time Data Measurement | DRL/COMN/2021/1.85 |
| | 86. Supply of Completion Equipment and Completion Services | DRL/COMN/2021/1.86 |
| | 87. Supply & Services for Drilling & Completion of Multilateral Wells | DRL/COMN/2021/1.87 |
| | 88. Hiring of warehouse and premises on rental basis. | DRL/COMN/2021/1.88 |
| | 89. Hiring of storage facility for storing explosives near shore-base. | DRL/COMN/2021/1.89 |
| | 90. Inspection, Load Testing & Certification of Lifting Tools, Lifting / Hoisting Equipment | DRL/COMN/2021/1.90 |
| | 91. Threading, Gauging, Thread Inspection and Preservation of Casing, crossover & pup joints | DRL/COMN/2021/1.91 |
| | 92. Operation & Maintenance of Bulk Material Storage & Handling System (such as solids, Liquids, Waste etc.) | DRL/COMN/2021/1.92 |
| | 93. Operation & Maintenance of Material Handling Equipment | DRL/COMN/2021/1.93 |
| | 94. Supply of Potable / Drilling Water | DRL/COMN/2021/1.94 |
| | 95. IT Hardware including Laptops, Desktop, Servers, Printers, Plotters, Workstations, , IT | DRL/COMN/2021/1.95 |
| | accessories & spares | DBL/COMN/2021/1.06 |
| | 96. IT Storage Systems 97. IT Manpower service including services for | DRL/COMN/2021/1.96 DRL/COMN/2021/1.97 |
| | FMS Engineers, Data Administrator, System Administrator, Net Backup Administrator and other related services. | DRL/COIMIN/2021/1.97 |
| | 98. Reservoir Monitoring System & Services | DRL/COMN/2021/1.98 |
| | 99. Sub Surface Safety Valves and Services | DRL/COMN/2021/1.99 |
| | 100.Supply of Down-hole Pressure and Temperature Monitoring System and Services | DRL/COMN/2021/1.100 |
| | 101.Gravel Pumping Services | DRL/COMN/2021/1.101 |
| | 102. Supply of Gravel Pack, Chemicals & Products. | DRL/COMN/2021/1.102 |
| | 103.Well Bore Clean-up Services | DRL/COMN/2021/1.103 |
| | 104.Tractor Operated Well Intervention Services | DRL/COMN/2021/1.104 |
| | 105.Well Suspension Services | DRL/COMN/2021/1.105 |
| | 106. Gravel Pack Evaluation Services | DRL/COMN/2021/1.106 |
| | 107.Special tools and services for Workover and Intervention 108.Engineering services – Riser analysis, | DRL/COMN/2021/1.107 DRL/COMN/2021/1.108 |
| | Conductor analysis etc. | |
| | 109.Engineering services for Drilling design and review. | DRL/COMN/2021/1.109 |
| | 110.Engineering services for Completion design and review 111.Engineering services for ERD (Extended | DRL/COMN/2021/1.110 DRL/COMN/2021/1.111 |
| | reach) wells 112.Specialised tools for ERD (Extended reach) | DRL/COMN/2021/1.111 DRL/COMN/2021/1.112 |
| | wells 113.Specialty chemicals for drilling, completion, | DRL/COMN/2021/1.112 |
| | workover & intervention 114.Subsea Completion Riser / Landing String. | DRL/COMN/2021/1.114 |
| | 115. Supply and Services for Completion | DRL/COMN/2021/1.115 |
| | softwares | |
| | 116.Supply and Services for Drilling softwares 117.Services for Downhole camera | DRL/COMN/2021/1.116 |
| | 117. Services for Downnole camera 118. Supply and Services for Retrievable Bridge Plug | DRL/COMN/2021/1.117 DRL/COMN/2021/1.118 |
| | 119.Supply and services for open hole zonal isolation system | DRL/COMN/2021/1.119 |
| | 120. Other Services which are not included above but required for drilling and completion, workover and intervention jobs. | DRL/COMN/2021/1.120 |

| DRL/COMN/2021/1 | Description of Service/ Supply | Reference No. | | |
|-----------------|---|---------------------|--|--|
| | 121. Provision of Well Examination services | DRL/COMN/2021/1.121 | | |
| | 122. Provision of Third party Inspection services | DRL/COMN/2021/1.122 | | |
| | 123. Subsea Positioning services | DRL/COMN/2021/1.123 | | |
| | 124.Roller / wheel based conveyance systems, hole-finders and associated accessories for | DRL/COMN/2021/1.124 | | |
| | Wireline Logging tools | | | |
| | 125. Marine Consultancy Services for offshore operations | DRL/COMN/2021/1.125 | | |

<u>Category No: GAG/COMN/2021/2</u> for Geophysical Surveys particularly MagnetoTelluric and Seismic Surveys

> Scope

Provide geophysical surveys particularly MagnetoTelluric and Seismic Surveys.

Contractor shall submit

- Details of contracts executed in preceding five years including client contact details, Project Title, Quantum of Work, Year of Project, Project Duration (From-To), Project Cost, Project work Centre (Please attach the details with complete technical information and appropriate certification / documentation).
- Details of Equipment/ Resources directly owned and details of key technical personnel (Name of Key/ technical Expert, Designation, Qualifications, Years of Experience, No of Projects worked on) apart from CV of each expert and organization chart.
- The details of software, wherever applicable that will be used for undertaking the work.
- The technology brochure / information along with elaborate explanation.
- Company profile and audited financial results (balance sheet) for last five years.
- Details of present work commitments and anticipated workload.
- Brief on Health, Safety, Environment and Quality Assurance systems followed along with track record for last three years and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent equipment/material/service provider.

> Contractors are requested to respond to one or more of following sub-categories:

| GAG/COMN/2021/2 | Description of Services | Reference No. |
|---|--|--------------------|
| Geophysical | Marine | |
| Surveys particularly | 1. 2D/3D/4D Seismic Data Acquisition including all advance technology on offer with / without Onboard Broadband Processing. | GAG/COMN/2021/2.1 |
| MagnetoTelluric and Seismic Surveys | 2. 2D/3D/4D Seismic Data Onshore Processing including all advance technology on offer / Time and Depth Processing / Velocity Modeling / Depth conversion/ Advanced/ Special Processing/ AVO / Inversion / Rock Physics Modeling. | GAG/COMN/2021/2.2 |
| | 3. 2D/3D/4D Seismic Survey Designing and illumination studies. | GAG/COMN/2021/2.3 |
| | 4. Shipborne Gravity / Magnetic / Gradiometry Surveys with / without 2D / 3D Seismic Surveys. | GAG/COMN/2021/2.4 |
| | 5. Controlled Source Electromagnetic (Sea Bed Logging) Surveys, Processing & Interpretation. | GAG/COMN/2021/2.5 |
| | 6. Marine Magneto Telluric Surveys, Processing & Interpretation | GAG/COMN/2021/2.6 |
| | 7. Multi Transient Electro Magnetic Surveys, Processing & Interpretation. | GAG/COMN/2021/2.7 |
| | 8. OBC Multi Component Seismic Surveys, Processing & Interpretation. | GAG/COMN/2021/2.8 |
| | 9. Multibeam / Backscatter / Bathymetry / Predrill / Geo Hazard / 2D Hi- Res & other Surveys. | GAG/COMN/2021/2.9 |
| | 10. Quantitative / Integrated Interpretation Services. | GAG/COMN/2021/2.10 |
| | Land | |
| | 11. 2D/3D/4D Seismic Data Acquisition with all advance technology on offer including Multi component survey. | GAG/COMN/2021/2.11 |
| | 12. 2D/3D/4D Seismic Data Onshore Processing with all advance technology on offer / Time and Depth Processing / Velocity Modeling / Depth conversion/ Advanced/ Special Processing/ AVO / Inversion / Rock Physics | GAG/COMN/2021/2.12 |

| Modeling. | |
|--|------------------------|
| 13. 2D/3D/4D Seismic Survey Designing. | GAG/COMN/2021/2.1 |
| 14. Gravity / Magnetic / Gradiometry Surveys. | GAG/COMN/2021/2.1 |
| 15. Multi Transient Electromagnetic Surveys. | GAG/COMN/2021/2.1 |
| 16. Quantitative / Integrated Interpretation Services. | GAG/COMN/2021/2.1 |
| Air | |
| 17. Airborne Gravity / Magnetic / Gradiometry & other Surveys. | GAG/COMN/2021/2.1 |
| Others | |
| 18. Operational Seismic and Log Data Archival / transcription / tape copyi | ng. GAG/COMN/2021/2.1 |
| 19. Large scale bit to bit Seismic & Log data transmission & copying us Industry Standard QC tools & Procedures. | sing GAG/COMN/2021/2.1 |
| 20. Provision of supply of QA / QC personnel for marine and land surveys seismic, electromagnetic, multibeam etc. | GAG/COMN/2021/2.2 |
| 21. Provision of supply of QA / QC personnel / consultancy for Process integrated interpretation etc. with details of QC technology and products. | sing GAG/COMN/2021/2.2 |
| 22. Establishing a corporate data store for petroleum E& P data. | GAG/COMN/2021/2.2 |
| 23. Gravity & Magnetic Data Processing & Interpretation for Onshor Offshore Blocks | e & GAG/COMN/2021/2.2 |
| 24. Uncertainty Quantification of Geoscientific Interpretation | GAG/COMN/2021/2.2 |
| 25.Seismic Facies Classification Services | GAG/COMN/2021/2.2 |
| 26.Petro physical Analysis Integrating Core data | GAG/COMN/2021/2.2 |
| 27.Rock physical Services | GAG/COMN/2021/2.2 |
| 28. Lab studies for side wall cores/well cuttings and field samples etc. | GAG/COMN/2021/2.2 |
| 29.Identification of Depositional Environment based on imaged log data | GAG/COMN/2021/2.2 |
| 30. Specialized Consultancy Services for Exploration Activities | GAG/COMN/2021/2.3 |

Category No: DEV/COMN/2021/3 for Geo-Technical Investigation for Offshore Field Development

> Scope

Carry out Geo-technical investigations for offshore oil and gas projects with capability of performing in seabed mode and drilling mode, perform in situ, offshore and onshore soil testing, interpret and prepare geotechnical engineering reports.

Contractor shall submit:

- Details of experience in carrying out geo-technical investigations in shallow water and deep water up to water depth of 2000 m in the last 10 years. Track record shall be submitted separately for shallow water depths and deep water depths.
- List of geo-technical investigation vessels owned/leased along with details of the vessel, in-situ testing and offshore soil testing equipment. Contractor shall provide the limitations of vessel and equipment, if any.
- List of personnel (Offshore operations, soil testing, interpretation & Report preparation) having experience in similar projects along with CVs.
- Details and location of Onshore soil testing facilities.
- Details of present work commitment and anticipated work load of geo-technical investigation vessels.
- Company profile and audited financial results (Balance Sheet) for last five years.
- Brief on Health, Safety, Environment and Quality Assurance systems followed along with track record for last three years and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent service provider.

<u>Category No: DEV/COMN/2021/4</u> for Geo-Physical Surveys for Offshore Field Development.

> Scope

Carry out Geo-Physical surveys for establishing field layout, pipeline and umbilical routes and current measurements as required for offshore oil and gas projects. Contractor shall be able to interpret data and prepare detailed reports and drawings.

Contractor shall submit:

- Details of experience in carrying out geo-physical surveys in shallow water and deep water up to water depth of 2000 m in the last 10 years. Track record shall be submitted separately for shallow water depths and deep water depths.
- List of geo-physical survey vessels owned/leased along with details of the vessel, geo-physical survey equipment for bathymetry, side scan sonar, sub bottom profiler etc. Contractor shall provide the limitations of vessel and equipment, if any.
- List of key personnel (Offshore operations, Offshore Survey, Geo-physics, Data Interpretation and Report preparation) having experience in similar projects along with CVs.
- Details of present work commitment and anticipated work load of geo-physical survey vessels.
- Company profile and audited financial results (Balance Sheet) for last five years
- Brief on Health, Safety, Environment and Quality Assurance systems followed along with track record for last three years and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent service provider.

Category No: DEV/COMN/2021/5 for Geo-Hazard Studies for Offshore Field Development.

> Scope

Carry out Geo-hazard studies to identify risks and potential geo-hazard areas, perform risk analysis & engineering evaluation and provide recommendations for offshore oil and gas projects.

Contractor shall submit:

- Details of experience in carrying out Geo-hazard studies for Offshore Oil and Gas projects in the last 10 years.
- Expertise in the areas of Geology including sub-surface geology, Geophysical, Geotechnical and Earthquake engineering.
- List of key personnel having experience in similar studies along with CVs.
- List of applicable software available with Contractor.
- Details of present work commitments and anticipated workload.
- Company profile and audited financial results (Balance Sheet) for last five years.
- Brief on Health, Safety, Environment and Quality Assurance systems followed along with track record for last three years and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent service provider.

For Block No. KG-DWN-98/3 (KG-D6)

Reliance Industries Limited (RIL), as operator, on behalf of itself & its co-venturers invites Expression of Interest (EOI) from reputed and experienced Contractors for following categories, for Deep-water Block No. KG-DWN-98/3 (KG D6) in East coast of India:

| CATEGORY NO. | CATEGORY DESCRIPTION |
|-----------------|--|
| OAM/KGD6/2021/1 | Services of Multi Support Vessel for Subsea Intervention |
| OAM/KGD6/2021/2 | Providing Mooring Services for Crude Offtake Operations from FPSO |
| OAM/KGD6/2021/3 | Provision of Pull back Tug for Crude Offtake Operations and Hawser & Hose Handling Boat for Crude Offtake Operations from FPSO |

Category No: OAM/KGD6/2021/1 for Services of Multi Support Vessel for Subsea Intervention.

> Scope

Provide Multi Support Vessel (MSV) with DP capabilities for performing subsea intervention (including IMR) work in shallow water & deep water up to water depth of 2200m.

> Contractor shall submit

- Details of Multi Support Vessel /Vessels proposed by Contractor, such as:-
 - ✓ Vessel technical specifications including details of AHC Crane, Work class ROV, DP system, Deck space, Accommodation details etc. including the water depth capability of Crane and ROV
 - ✓ Owner / Operator
 - ✓ Flag / Year of Construction and Name of Construction Yard
 - ✓ Class certificates

- Details of contracts executed with Multi Support Vessel related to Sub-Sea Intervention including IMR (Inspection, Maintenance, Repair/ Replacement) by the Contractor in the last 10 years with following details-
 - ✓ Client
 - ✓ Client references
 - ✓ Details of MSVs
 - ✓ Type of IMR Jobs performed
 - ✓ Water depth
 - ✓ Schedule start and end dates
 - ✓ Performance record
- List of key personnel having experience in similar work along with CVs.
- Present work commitments and anticipated work load. (Please attach copies of current contractual commitments and availability of the vessels)
- Company profile and audited financial results (Balance sheet) for last five years.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed and any
 relevant certification including safety statistics of the company in the last five years.
- Any other relevant information that will establish that Contractor is a competent MSV Owner/ Operator.

Category No: OAM/KGD6/2021/2 for Providing Mooring Services for Crude Offtake Operations from FPSO

> Scope

Provision of mooring services for crude offtake operations from FPSO.

> Contractor shall submit:

- Details of experience in providing mooring services for the crude offloading operations in offshore.
- Past experience in providing mooring services for crude offtake operations during the last 10 years.
- List of vessels owned / operated by contractor along with the specifications.
- List of personnel employed having experience of similar operations.
- Company profile and audited financial results (Balance Sheet) for last five years.
- Present work commitments and anticipated work.
- Brief on Health, Safety, Environment and Quality Assurance systems followed and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent service provider.

Category No: OAM/KGD6/2021/3: Provision of Pull back Tug and Hawser & Hose Handling Boat for Crude Offtake Operations from FPSO

Scope

Providing pull back tug and hawser and hose Handling boat for crude offtake operations from FPSO.

> Contractor shall submit:

- Details of experience in providing pull back tug and hawser and hose handling boat for the crude offloading operations in offshore.
- Past experience in providing pull back tug and hawser and hose handling boat for the crude offloading operations during the last 10 years.
- List of vessels owned / operated by contractor along with the specifications.
- List of personnel having experience of similar operations.
- Company profile and audited financial results (Balance Sheet) for last five years.
- Present work commitments and anticipated work.
- Brief on Health, Safety, Environment and Quality Assurance systems followed and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent service provider.

The above information for all the categories is to be submitted in the Summary Sheet as given below.

| CONTRACTOR'S DETAILS | |
|----------------------|--|
| Name of the Company | |
| EOI Ref. | |
| EOI Date. | |
| Key Contact Details | |
| Name: | |
| Tel No: | |
| Email: | |

SUMMARY SHEET

[TO BE SUBMITTED ON A CD/DVD & TWO HARD COPIES]

| Category/ | Category | Broad | Contractor | List of major | Approx. | Contra | Compan | Certificates |
|--------------------------|--|--|--|---|-----------------------|--------------|-----------|---|
| Sub - category No. | of Equipment /Materials /Services | Specification s/ details of Equipment/ Vessel/ Resources (as applicable) | 's past performan ce and supply record | clients (covering Projects of preceding years , as applicable including ongoing projects) | value of Contracts | ct period | y profile | API / ISO or others as applicable & validity (attach copies) |
| | | given to ISO ce | | | | | | |

Note: Preference will be given to ISO certified Organizations.

Interested Contractors/Vendors are requested to submit their EOI through e-mail on <u>deveoiresponse.eandp@ril.com</u>, on or before 15 March 2021. Subject of the mail should mention "RIL/E&P/EOI/2021/01" along with category number. For documents size beyond 15 MB, Contractors/Vendors should request RIL through e-mail to provide FTP link for uploading EOI documents. RIL will later ask Contractors/ Vendors to submit hard copies of their EOI in duplicate along with electronic copy on CD/ DVD/ Pen Drive with all details through courier / post.

Address for Communication:

Chief – Supply Chain Management, Reliance Industries Limited, Petroleum Business (E&P), Building No 11, 'A' Wing, Second Floor, Reliance Corporate Park (RCP), Thane-Belapur Road, Ghansoli, Navi Mumbai-400701, India Email Address: - <u>deveoiresponse.eandp@ril.com</u> CIN: L17110MH1973PLC019786