



RELIANCE INDUSTRIES LIMITED

Petroleum Business (E&P)

Notice Inviting Expression of Interest (RIL/E&P/EOI/2012/07)

(Under International Competitive Bidding)

A] For All Oil & Gas Fields

Reliance Industries Limited (RIL), as operator, on behalf of itself & its co-venturers BP Exploration (Alpha) limited, Niko (NECO) Limited, Niko (NELPIO) Limited and Hardy Exploration & Production (India) Inc. invites Expression of Interest (EOI) for the blocks acquired under NELP-I, NELP-II, NELP-III, NELP-V and NELP-VI from reputed and experienced Contractors for following categories:

CATEGORY NO.	CATEGORY DESCRIPTION
DEV/COMN/2012/1	Design and Supply of X-Mas Trees, PLEM, Manifolds, Umbilical Distribution Hub, Subsea Distribution Unit, Subsea Distribution Assembly, Subsea Control System, Umbilical termination assemblies and Tie-in systems including technical support during installation and commissioning, provision of operational spares, IWOCs, tools and maintenance support during the lifecycle of the field.
DEV/COMN/2012/2	Design and Supply of various types of steel tube Umbilicals including technical support during installation and commissioning.
DEV/COMN/2012/3	Supply of SAW and Seamless Line pipes and bends for Subsea Application.
DEV/COMN/2012/4	Supply of Valves and Actuators for Subsea Application.
DEV/COMN/2012/5	Supply of Valves and Actuators for Topside Application.
DEV/COMN/2012/6	Supply of Flanges, Fittings etc. for Subsea and Topside Application.
DEV/COMN/2012/7	Supply of Casings, Pup Joints & Crossovers.
DEV/COMN/2012/8	Supply of Reservoir Monitoring System and Services.
DEV/COMN/2012/9	Design and Supply of Over Pressure Protection System (OPPS) including High Integrity Pressure Protection System (HIPPS) for subsea applications.
DEV/COMN/2012/10	Design and Supply of Over Pressure Protection System (OPPS) including High Integrity Pressure Protection System (HIPPS) for topside application (Offshore Platform).
DEV/COMN/2012/11	Project Management Consultancy Services for Field Development.
DEV/COMN/2012/12	Collection, Analysis and Interpretation of Meteorological and Oceanographic data for Offshore Field Development.
DEV/COMN/2012/13	Engineering, Procurement, Installation & Commissioning (EPIC) of Subsea Facilities & Pipelines for Deep Water Field Development.
DEV/COMN/2012/14	Offshore Platform Modification Work.
DEV/COMN/2012/15	Services of Marine Warranty Surveyor.
DEV/COMN/2012/16	Supply of Upper & Lower Completion Tangibles & Services: a. Screens b. Fluid Loss Control Valve and Services c. Liner Hanger Running Services (to run screens)

	<ul style="list-style-type: none"> d. Production Packer and Services e. Sub Surface Safety Valves and Services f. Supply of Down-hole Pressure and Temperature Monitoring System and Services g. Supply of Tubing, Pup Joints and Crossovers h. Sand Control Equipment and Services
DEV/COMN/2012/17	Gravel Pumping Services including supply of Gravel Pack, Chemicals & Products.
DEV/COMN/2012/18	Well Bore Clean-Up Services.
DEV/COMN/2012/19	Slick-line Services.
DEV/COMN/2012/20	Tractor Operated Well Intervention Services.
DEV/COMN/2012/21	Well Suspension Services.
DEV/COMN/2012/22	Gravel Pack Evaluation Services
DEV/COMN/2012/23	Geo-Technical Investigation for Offshore Field Development
DEV/COMN/2012/24	Geo-Physical Surveys for Offshore Field Development
DEV/COMN/2012/25	Geo-Hazard studies for Offshore Field Development
DEV/COMN/2012/26	Design Review, Appraisal, Certification and Verification Agency for Offshore Facilities.

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

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

CATEGORY NO	CATEGORY DESCRIPTION
OAM/KGD6/2012/01	Subsea Well Intervention in Deep Water Field on Horizontal Wet Tree for Water Control by Riser Less System (Without Deploying a Rig).
OAM/KGD6/2012/02	Subsea Well Intervention in Deep Water Field on Horizontal Wet Tree for Water Control from Rig by Riser Based System.
DEV/KGD6/2012/01	Installation of Process Gas Compressors, other Equipment & Process Packages along with associated Construction and Modification Works for Onshore Gas Terminal.

Interested Contractors are requested to visit our website www.ril.com for further details on the above and submit their Expression of Interest (hard copies in duplicate along with electronic copy on CD) with all details through courier / post and also through e-mail on deveioresponse.eandp@ril.com before 25th January, 2013. The envelope should be superscribed as **RIL/E&P/EOI/2012/07** along with reference category number.

Address for Communication:

Sr. Vice President -Supply Chain Management,
 Reliance Industries Limited, Petroleum Business (E&P),
 Reliance Corporate Park (RCP),
 Building No 11, 'A' Wing, Second Floor,
 Thane Belapur Road, Ghansoli,
 Navi Mumbai – 400701, India.

Further details on the above requirements are as below:

A] For Oil & Gas Fields

Reliance Industries Limited (RIL), as operator, on behalf of itself & its co-venturers BP Exploration (Alpha) limited, Niko (NECO) Limited, Niko (NELPIO) Limited, Niko Resources (NELPV) Limited and Hardy Exploration & Production (India) Inc. invites Expression of Interest (EOI) for the blocks acquired under NELP-I, NELP-II, NELP-III, NELP-IV, NELP-V and NELP-VI from reputed and experienced Contractors for following categories:

CATEGORY NO.	CATEGORY DESCRIPTION
DEV/COMN/2012/1	Design and Supply of X-Mas Trees, PLEM, Manifolds, Umbilical Distribution Hub, Subsea Distribution Unit, Subsea Distribution Assembly, Subsea Control System, Umbilical termination assemblies and Tie-in systems including technical support during installation and commissioning, provision of operational spares, IWOCs, tools and maintenance support during the lifecycle of the field.
DEV/COMN/2012/2	Design and Supply of various types of steel tube Umbilicals including technical support during installation and commissioning.
DEV/COMN/2012/3	Supply of SAW and Seamless Line pipes and bends for Subsea Application.
DEV/COMN/2012/4	Supply of Valves and Actuators for Subsea Application.
DEV/COMN/2012/5	Supply of Valves and Actuators for Topside Application.
DEV/COMN/2012/6	Supply of Flanges, Fittings etc. for Subsea and Topside Application.
DEV/COMN/2012/7	Supply of Casings, Pup Joints & Crossovers.
DEV/COMN/2012/8	Supply of Reservoir Monitoring System and Services.
DEV/COMN/2012/9	Design and Supply of Over Pressure Protection System (OPPS) including High Integrity Pressure Protection System (HIPPS) for subsea applications.
DEV/COMN/2012/10	Design and Supply of Over Pressure Protection System (OPPS) including High Integrity Pressure Protection System (HIPPS) for topside applications (Offshore Platform).
DEV/COMN/2012/11	Project Management Consultancy Services for Field Development.
DEV/COMN/2012/12	Collection, Analysis and Interpretation of Meteorological and Oceanographic data for Offshore Field Development.
DEV/COMN/2012/13	Engineering, Procurement, Installation & Commissioning (EPIC) of Subsea Facilities & Pipelines for Deep Water Field Development.
DEV/COMN/2012/14	Offshore Platform Modification Work.
DEV/COMN/2012/15	Services of Marine Warranty Surveyor.
DEV/COMN/2012/16	Supply of Upper & Lower Completion Tangibles & Services: <ul style="list-style-type: none"> a. Screens b. Fluid Loss Control Valve and Services c. Liner Hanger Running Services (to run screens) d. Production Packer and Services e. Sub Surface Safety Valves and Services f. Supply of Down-hole Pressure and Temperature Monitoring System and Services g. Supply of Tubing, Pup Joints and Crossovers h. Sand Control Equipment and Services
DEV/COMN/2012/17	Gravel Pumping Services including supply of Gravel Pack, Chemicals & Products.
DEV/COMN/2012/18	Well Bore Clean-Up Services.
DEV/COMN/2012/19	Slick-line Services.

DEV/COMN/2012/20	Tractor Operated Well Intervention Services.
DEV/COMN/2012/21	Well Suspension Services.
DEV/COMN/2012/22	Gravel Pack Evaluation Services
DEV/COMN/2012/23	Geo-Technical Investigation for Offshore Field Development
DEV/COMN/2012/24	Geo-Physical Surveys for Offshore Field Development
DEV/COMN/2012/25	Geo-Hazard studies for Offshore Field Development
DEV/COMN/2012/26	Design Review, Appraisal, Certification and Verification Agency for Offshore Facilities.

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

Category No: DEV/COMN/2012/1 for Design and Supply of X-Mas Trees, PLEM, Manifolds, Umbilical Distribution Hub, Subsea Distribution Unit, Subsea Distribution Assembly, Subsea Control System, Umbilical termination assemblies and Tie-in systems including technical support during installation and commissioning, provision of operational spares, IWOCs, tools and maintenance support during the lifecycle of the field.

➤ **Scope**

Design and Supply of subsea hardware such as Xmas Trees, PLEM, Manifolds, Umbilical Distribution Hub, Subsea Distribution Unit, Subsea Distribution Assembly, Subsea Control System, Umbilical Termination Assemblies and Tie in Systems along with all associated tools & IWOCs for installation and operation for deep water oil and gas projects in water depths ranging from 100 m to 2500 m. This scope also includes supply of operational spares and maintenance support during the lifecycle of the field.

➤ **Contractor shall submit**

- Details of experience in supplying each type of equipment in the past 10 years for deep water oil and gas projects in water depths ranging from 100 m to 2500 m. Contractor to quantify each type of subsea hardware supplied indicating the installed water depth, client name, project name, contract value, year of operation/delivery etc. as a minimum
- Details of experience in providing technical support during installation and commissioning, providing installation & operational spares, IWOCs, tools and maintenance support.
- Details of the Manufacturing locations and total annual manufacturing capacity for each type of subsea hardware.
- List of Key personnel along with CVs for Project Management, Procurement, Engineering, Interface Management, Manufacturing & testing of each type of subsea equipment.
- Details of present work commitments and anticipated work load.
- Company Profile and audited financial results (Balance Sheet) for last five years.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed for last three years and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent subsea equipment supplier.

Category No: DEV/COMN/2012/2 for Design and Supply of various types of steel tube Umbilicals including technical support during installation and commissioning.

➤ **Scope**

Design and Supply of various types of steel tube umbilical along with tools for installation and operation for deep water oil and gas projects in water depths ranging from 100 m to 2500 m.

➤ **Contractor shall submit**

- Details of experience in supplying each type of steel tube umbilical in the past 10 years for deep water oil and gas projects in water depths ranging from 100 m to 2500 m. Contractor to quantify each type of steel tube umbilical supplied indicating the installed water depth, client name, project name, contract value, year of operation/delivery etc. as a minimum
- Details of experience in providing technical support during installation and commissioning providing installation and operational spares, tools and maintenance support
- Details of the Manufacturing locations and total annual manufacturing capacity for each type of steel tube umbilical.
- List of Key personnel along with CVs for Project Management, Procurement, Engineering,
- Interface Management, Manufacturing & testing of each type of steel tube umbilical.
- Details of present work commitments and anticipated work load.
- Company Profile and audited financial results (Balance Sheet) for last five years.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed for last three years and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent steel tube umbilical supplier.

Category No: DEV/COMN/2012/3 for Supply of SAW and Seamless Line pipes and bends for Subsea Application.

➤ **Scope**

Supply of various grades of long seam SAW and seamless line pipes and bends for deep water oil and gas projects in water depths ranging from 100 m to 2500 m.

➤ **Contractor shall submit**

- Details of experience in supplying SAW and Seamless Line pipes and bends in the past 10 years for deep water oil and gas projects. Contractor to quantify each type of line pipe and bends supplied and value for each order. Contractor to specify whether the supply is for subsea applications.
- Details of production capabilities, in particular for X-65 grade pipes of minimum average length of 12.2 meters (for each Diameter & maximum Wall Thickness) up to 24" dia. Wherever 12.2 meters of minimum average length is not possible, contractor may specify the maximum possible lengths against diameters and wall thicknesses.
- Details of the Manufacturing locations and total annual manufacturing capacity for each type of line pipe and bends.
- Details of certification of pipe mills from third party agencies like DNV/LRS/ABS/API for manufacture of line pipes and bends.
- Details of present work commitments and anticipated work load.
- Company Profile and audited financial results (Balance Sheet) for last five years.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed for last three years and any relevant certification.

- Any other relevant information that will establish that Contractor is a competent line pipe and bends supplier.

Category No: DEV/COMN/2012/4 for Supply of Valves and Actuators for Subsea Application.

➤ **Scope**

Supply of various types of valves and actuators of pressure rating 600# and above for deep water oil and gas projects in water depths ranging from 100 m to 2500 m.

➤ **Contractor shall submit**

- Details of experience in supplying valves and actuators in the past 10 years for deep water oil and gas projects in water depths ranging from 100 m to 2500 m. The details shall indicate type of valves, valve size, pressure rating, actuator type, water depth of application, client name, project name, contract value etc. as a minimum.
- Details of the manufacturing locations and total annual manufacturing capacity for each type of valves and testing facilities details including that for Hyperbaric testing.
- Details of present work commitments and anticipated work load.
- Company Profile and audited financial results (Balance Sheet) for last five years.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed for last three years and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent valve supplier.

Category No: DEV/COMN/2012/5 for Supply of Valves and Actuators for Topside Application.

➤ **Scope**

Supply of various types of valves and actuators of pressure rating 600# and above for oil and gas projects.

➤ **Contractor shall submit**

- Details of experience in supplying valves and actuators in the past 10 years for oil and gas projects. The details shall indicate type of valves, valve size, pressure rating, actuator type, client name, project name, contract value etc. as a minimum.
- Details of the manufacturing locations and total annual manufacturing capacity for each type of valves and testing facilities details.
- Details of present work commitments and anticipated work load.
- Company Profile and audited financial results (Balance Sheet) for last five years.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed for last three years and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent valve supplier.

Category No: DEV/COMN/2012/6 for Supply of Flanges, Fittings etc. for Subsea and Topside Application.

➤ **Scope**

Supply of various types of flanges, fittings, coupling/ connection systems (Graylock, Techlok or equivalent) of pressure rating 600# and above for oil and gas projects in subsea (water depths ranging from 100 m to 2500 m) and topside application.

➤ **Contractor shall submit**

- Details of experience in supplying flanges, fittings, coupling/ connection systems etc. in the past 10 years for subsea (water depths ranging from 100 m to 2500 m) and topside application. Contractor to quantify each type supplied including client name, project name, contract value, year of operation/delivery etc. as a minimum.
- .
- Details of the manufacturing locations and total annual manufacturing capacity for each type of flanges, fittings etc.
- Details of present work commitments and anticipated work load.
- Company Profile and audited financial results (Balance Sheet) for last five years.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed for last three years and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent supplier.

Category No: DEV/COMN/2012/7 for Supply of Casings, Pup Joints & Crossovers.

➤ **Scope**

Supply of various types of casings, pup joints & crossovers for oil and gas projects.

➤ **Contractor shall submit**

- Details of experience in supplying casings in the past 10 years for oil and gas projects. Contractor to quantify each type of casings supplied and value for each order. The detail shall include the type of thread/head and pins.
- Details of the manufacturing locations and total annual manufacturing capacity of each type of casings.
- Details of certification of Steel mills from third party agencies like DNV/LRS/ABS/API for manufacture of casings.
- Details of present work commitments and anticipated work load.
- Company Profile and audited financial results (Balance Sheet) for last five years.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed for last three years and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent casings supplier.

Category No: DEV/COMN/2012/8 for Supply of Reservoir Monitoring System and Services.

➤ **Scope**

Supply of reservoir monitoring system along with relevant service assistance.

➤ **Contractor shall submit**

- Details of experience in providing reservoir monitoring system in the last 10 years.

- Details of resources available and details of key technical personnel / organization chart.
- Details of present work commitments and anticipated work load.
- Company profile and audited financial results (Balance Sheet) for last five years.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed for last three years and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent reservoir monitoring system supplier.

Category No: DEV/COMN/2012/9 for Design and Supply of Over Pressure Protection System (OPPS) including High Integrity Pressure Protection System (HIPPS) for Subsea Applications.

➤ **Scope**

Detailed Design & Engineering, Supply of Equipment, System Integration, Manufacturing, Qualification Testing as applicable, System Certification, Installation & Pre-commissioning support of Over Pressure Protection System (OPPS) including High Integrity Pressure Protection System (HIPPS) for deep water oil and gas projects for subsea application (in water depths ranging from 100 m to 2500 m) .

➤ **Contractor shall submit**

- Details of experience in supplying OPPS/HIPPS in the past 10 years for deep water oil and gas projects in water depths ranging from 100 m to 2500 m including detailed design, supply of HIPPS equipment, manufacturing, qualification testing, system integration & certification of HIPPS in full compliance with the requirements detailed in IEC 61511, 61508, API 17O/ISO 13628-14 and other applicable standards
- Contractor to quantify OPPS/HIPPS supplied indicating the projects name, type and size of valves, pressure rating, installed water depth, client name, safety levels, contract value etc. as a minimum
- Contractor to provide the technical information and appropriate certification / documentation, for all the hardware performing a safety or supporting ancillary function within the subsea OPPS/HIPPS. Typically this shall include;
 - Sensors (Pressure Transmitters)
 - Logic Solver
 - Isolation Valves
 - OPPS/HIPPS SCM devices such as DCVs, QEVs, Vents etc. for subsea HIPPS
-
- Details of the Manufacturing locations and total annual manufacturing capacity.
- Details of resources available, its technical capability to carry out the subsea OPPS/HIPPS development and design activities. Contractors to provide CVs of key technical personnel having experience in similar works. Contractor to also confirm its capability to perform the entire package.
-
- Details of experience in providing technical support during installation and commissioning, providing installation and operational spares, tools and maintenance support.
-
- Details of present work commitments and anticipated work load.
- Company Profile and audited financial results (Balance Sheet) for last five years.

- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed for last three years and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent OPPS/HIPPS supplier for subsea applications.

Category No: DEV/COMN/2012/10 for Design and Supply of Over Pressure Protection System (OPPS) including High Integrity Pressure Protection System (HIPPS) for Topside Applications (Offshore Platforms).

➤ **Scope**

Detailed Design & Engineering, Supply of Equipment, System Integration, Manufacturing, Qualification Testing, System Certification, Installation & Pre-commissioning support of Over Pressure Protection System (OPPS) including High Integrity Pressure Protection System (HIPPS) for topside applications (Offshore Platform).

➤ **Contractor shall submit**

- Details of experience in supplying OPPS/HIPPS in the past 10 years for topside applications (offshore platforms) including detailed design, supply of HIPPS equipment, manufacturing, qualification testing, system integration & certification of HIPPS in full compliance with the requirements detailed in IEC 61511, 61508 and other applicable standards
- Contractor to quantify OPPS/HIPPS supplied indicating the projects name, type and size of valves, pressure rating, client name, safety levels, contract value etc. as a minimum
- Contractor to provide the technical information and appropriate certification / documentation, for all the hardware performing a safety or supporting ancillary function within the topside OPPS/HIPPS. Typically this shall include;
 - a) Sensors (Pressure Transmitters)
 - b) Logic Solver
 - c) Isolation Valves
- Details of the Manufacturing locations and total annual manufacturing capacity.
- Details of resources available, its technical capability to undertake topside OPPS/HIPPS development and design activities. Contractors to provide CVs of key technical personnel having experience in similar works. Contractor to also confirm its capability to perform the entire package.
- Details of experience in providing technical support during installation and commissioning, providing installation and operational spares, tools and maintenance support.
- Details of present work commitments and anticipated work load.
- Company Profile and audited financial results (Balance Sheet) for last five years.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed for last three years and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent OPPS/HIPPS supplier for topside applications.

Category No: DEV/COMN/2012/11 for Project Management Consultancy Services for Field Development.

➤ **Scope**

Provide project management consultancy services for executing oil & gas projects including services such as project management, contract management, interface management, engineering support services (in key engineering disciplines), installation,

pre-commissioning & commissioning support services, QA/QC management during manufacturing, installation and commissioning and expediting.

➤ **Contractor shall submit**

- Details of experience in providing project management services in the past 10 years for oil and gas projects.
- List of key personnel along with CVs for project management, contract management, interface management, engineering support in various disciplines, installation, pre-commissioning and commissioning support, QA/QC personnel in various disciplines.
- Details of present work commitments and anticipated work load.
- Company Profile and audited financial results (Balance Sheet) for last five years.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed 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/2012/12 for Collection, Analysis and Interpretation of Meteorological and Oceanographic data for Offshore Field Development.

➤ **Scope**

Collect, analyse and interpret meteorological and oceanographic data for use in the design, installation and operation of offshore marine facilities / structures, including floating vessels, drilling rigs and pipeline for the oil and gas field development and prepare detailed reports and the drawings.

➤ **Contractor shall submit**

- Details of experience in collection, analysis and interpretation of meteorological and oceanographic data in offshore field development in the last 10 years.
- List of key personnel having experience in similar studies along with CVs.
- Details of present work commitments and anticipated work load.
- Company profile and audited financial results (Balance Sheet) for last five years.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed for last three years and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent engineering service provider.

Category No: DEV/COMN/2012/13 for Engineering, Procurement, Installation & Commissioning (EPIC) of Subsea Facilities & Pipelines for Deep Water Field Development

➤ **Scope**

Carry out Engineering and Detailed Design for deep water field development & Procurement of various items (other than free issue items), fabrication of subsea structures, transportation of line pipes, subsea structures etc., installation of rigid and flexible pipelines, rigid risers, tie-in spools, PLETs, jumpers, umbilicals & other subsea equipment, undertake offshore platform modification work, testing and pre-commissioning of subsea facilities & pipelines and providing commissioning assistance for subsea facilities & pipelines for deep water oil and gas projects.

➤ **Contractor shall submit**

- Details of experience in past 10 years in executing EPIC (Engineering, Procurement, Installation and Commissioning) projects for deep water field development and offshore platform modification work, either on its own or in a tie-up with reputed companies.
- Details of resources available; such as (a) Engineering and detail design (b) Pipelay vessels, umbilical installation vessels, subsea construction and installation vessels; (c) fabrication facilities; (d) Testing, Pre-Commissioning and Commissioning details such as agencies, vessels etc.
- Details of services that may be sub-contracted; along with list of sub-contractors and experience of the subcontractors in executing the similar services for deep water development projects & offshore platform modification works.
- Company profile and audited financial results (Balance Sheet) for the last three years.
- Details of present Work commitment and anticipated work.
- Brief on Health, Safety, Environment and Quality Assurance systems followed for the last three years and any relevant certification.
- Any other relevant information that will establish that contractor is a competent contractor capable of executing deep water field development projects.

Category No: DEV/COMN/2012/14 for Offshore Platform Modification Work.

➤ **Scope**

To carry out detailed design, procurement, fabrication, transportation, installation, testing, pre-commissioning work related to offshore brownfield modification work.

➤ **Contractor shall submit**

- Details of experience in the last 10 years in undertaking detailed design, procurement, fabrication, transportation, installation, testing, pre-commissioning work related to offshore brownfield modification work .
- Experience of having carried out works in operating offshore platforms under 'Work to Permit' system
- List of resources available for a) Detailed Design; b) Fabrication; c) Installation and d) hook-up testing and pre-commissioning.
- List of key personnel having experience in similar work along with CVs.
- Details of present work commitments and anticipated work load.
- Company profile and audited financial results (Balance Sheet) for last five years.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed 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/2012/15 for Services of Marine Warranty Surveyor.

➤ **Scope**

Provide Services of Marine Warranty Surveyors related to transportation of XMTs, umbilicals, line pipes and subsea structures and Installation of Pipelines, XMTs, PLETs, jumpers, umbilicals & subsea structures.

➤ **Contractor shall submit**

- Details of experience in past 10 years in providing services of Marine Warranty Surveyors for Oil and Gas projects.
- Details of resources available to perform the Marine Warranty Services and CVs of Key Surveyors.
- Company profile and audited financial results (Balance Sheet) for the last three years.
- Details of present work commitment and anticipated work.
- Brief on Health, Safety, Environment and Quality Assurance systems followed for the 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/2012/16 for Supply of Upper & Lower Completion Tangibles and Services.

➤ **Scope**

Supply of upper & lower completion tangibles and services as below:

- a. Screens
- b. Fluid Loss Control Valve and Services
- c. Liner Hanger Running Services (to run screen)
- d. Production Packer and Services
- e. Sub Surface Safety Valves and Services
- f. Supply of Down-hole Pressure and Temperature Monitoring System and Services
- g. Supply of Tubing, Pup Joints and Crossovers
- h. Sand Control Equipment and Services

➤ **Contractor shall submit**

- Experience in providing upper & lower completion services / supply in the last 10 years.
- Details of resources available and details of key technical personnel / organization chart.
- Details of present work commitments and anticipated work load.
- Company profile and audited financial results (Balance Sheet) for last five years.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed for last three years and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent service provider/ supplier.

Category No: DEV/COMN/2012/17 for Gravel Pumping Services including Supply of Gravel Pack, Chemicals & Products.

➤ **Scope**

Provide gravel pumping services including supply of gravel pack, chemicals & products.

➤ **Contractor shall submit**

- Details of experience in providing gravel pumping services in the last 10 years.
- Details of resources available and details of key technical personnel / organization chart.
- Details of present work commitments and anticipated work load.
- Company profile and audited financial results (Balance Sheet) for last five years.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed 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/2012/18 for Well Bore Clean-up Services.

➤ **Scope**

Provide well bore clean-up services including supply of chemicals & products.

➤ **Contractor shall submit**

- Details of experience in providing well bore clean-up services in the last 10 years.
- Details of resources available and details of key technical personnel / organization chart.
- Details of present work commitments and anticipated work load.
- Company profile and audited financial results (Balance Sheet) for last five years.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed 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/2012/19 for Slick-line Services.

➤ **Scope**

Provide slick-line services.

➤ **Contractor shall submit**

- Details of experience in providing slick-line services in the last 10 years.
- Details of resources available and details of key technical personnel / organization chart.
- Details of present work commitments and anticipated work load.
- Company profile and audited financial results (Balance Sheet) for last five years.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed 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/2012/20 for Tractor Operated Well Intervention Services.

➤ **Scope**

Provide tractor operated well intervention services.

➤ **Contractor shall submit**

- Details of experience in providing tractor operated well intervention services in the last 10 years.
- Details of resources available and details of key technical personnel / organization chart.
- Details of present work commitments and anticipated work load.
- Company profile and audited financial results (Balance Sheet) for last five years.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed 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/2012/21 for Well Suspension Services.

➤ **Scope**

Provide well suspension services.

➤ **Contractor shall submit**

- Details of experience in providing well suspension services in the last 10 years.
- Details of resources available and details of key technical personnel / organization chart.
- Present work commitments and anticipated work load.
- Company profile and audited financial results (Balance Sheet) for last five years.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed 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/2012/22 for Gravel Pack Evaluation Services.

➤ **Scope**

Provide gravel pack evaluation services.

➤ **Contractor shall submit**

- Details of experience in providing gravel pack evaluation services in the last 10 years.
- Details of resources available and details of key technical personnel / organization chart.
- Details of present work commitments and anticipated work load.
- Company profile and audited financial results (Balance Sheet) for last five years.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed 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/2012/23 for Geo-Technical Investigation for Offshore Field Development:

➤ **Scope**

Carry out Geo-technical investigations for offshore oil and gas projects (both shallow water and deep water projects) and shall be able to carry out investigations both in seabed mode (including STACOR or equivalent) and drilling mode, perform in situ, offshore and onshore soil testing, interpret and prepare geotechnical engineering report.

➤ **Contractor shall submit**

- Details of experience in providing geo-technical investigations in water depths ranging from 20 m to 100 m and 100 m to 2500 m in the last 10 years.
- List of vessels which Contractor proposes along with details of the vessel with 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.
- Company profile and audited financial results (Balance Sheet) for last five years.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed 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/2012/24 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 (both shallow water and deep water 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 water depths ranging from 20 m to 100 m and 100 m to 2500 m in the last 10 years.
- List of vessels which Contractor proposes along with details of the vessel with 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.
- Company profile and audited financial results (Balance Sheet) for last five years
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed 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/2012/25 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 work load.
- Company profile and audited financial results (Balance Sheet) for last five years.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed 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/2012/26 for Design Review, Appraisal, Certification and Verification Agency for Offshore Facilities.

➤ **Scope**

The scope will involve design review and appraisal, risk assessment & certification of offshore developments (both shallow and deep water facilities) covering various stages of the project (from design to commissioning including offshore platform modification works) and subsequent issuance of certificates of conformity on successful completion of these activities.

➤ **Contractor shall submit**

- Experience in carrying out Certification and Verification Agency services for offshore field developments (both shallow water and deep water facilities) in the last 10 years, clearly bringing out project name, water depth, Contract value and the scope of work performed in each project.
- List of key personnel having experience in similar studies along with CVs.
- Details of present work commitments and anticipated work load.
- Company profile and audited financial results (Balance Sheet) for last five years.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed for last three years and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent service provider.

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

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

CATEGORY NO	CATEGORY DESCRIPTION
OAM/KGD6/2012/01	Subsea Well Intervention in Deep Water Field on Horizontal Wet Tree for Water Control by Riser Less System (Without Deploying a Rig).
OAM/KGD6/2012/02	Subsea Well Intervention in Deep Water Field on Horizontal Wet Tree for Water Control from Rig by Riser Based System.
DEV/KGD6/2012/01	Installation of Process Gas Compressors, other Equipment & Process Packages along with associated Construction and Modification Works for Onshore Gas Terminal.

Category No: OAM/KGD6/2012/01 for Service of Subsea Well Intervention in Deep Water Field on Horizontal Wet Tree for Water Control by Riser Less System (Without Deploying a Rig).

➤ **Scope**

Carry out Sub Sea Well Intervention in Deep Water Field on Horizontal Wet Tree for Water Control by Riser Less Method with suitable vessel available with Company. Water depth of Sub Sea Horizontal Wet tree from MSW (Mean Sea Water Level) is between 600 meters to 900 meters. Isolation of lower portion of the well will be required for water control. The isolation depth varies from 50 meters to 200 meters maximum. Water control methodology should be based on the following:

1. Setting of Swell Packer / Inflatable Packer.
2. Setting of Casing Patch or insertion of Expandable Pipe.

Scope of the work involves Engineering & Design including FEED, Risk assessment and mitigation for Water Control on the basis of above mentioned solution, Equipment selection, excluding Vessel, and Execution of the job.

➤ **Contractor shall submit**

- Track record and past experience in carrying out similar jobs in last 5 years. Should include the following information
 - Client
 - Field/ Facility / asset
 - Water Depth range
 - Scope of Job
 - Type of Inventory and Equipment proposed
 - Details of vessel from which the job was done.
- Details of resources with CVs of Key Technical Personnel and proposed work centre(s).
- Company profile and audited financial results (Balance Sheet) for last three years.
- Present work commitments and anticipated work.
- Brief on Health, Safety, Environment and Quality Assurance systems followed for the last three years and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent service provider.

Category No: OAM/KGD6/2012/02 for Service of Subsea Well Intervention in Deep Water Field on Horizontal Wet Tree for Water Control from Rig by Riser Based System

➤ **Scope**

Carry out Sub Sea Well Intervention in Deep Water Field on Horizontal Wet Tree for Water Control with Riser based system with suitable Rig available with Company. Water depth of Sub Sea Horizontal Wet tree from MSW (Mean Sea Water Level) is between 600 meters to 900 meters. Isolation of lower portion of the well will be required for water control. The isolation depth varies from 50 meters to 200 meters maximum. Water control methodology should be based on the following:-

1. Setting of Swell Packer / Inflatable Packer
2. Setting of Casing Patch or insertion of Expandable Pipe

Scope of the work involves Engineering & Design for Water Control on the basis of above mentioned solution, Equipment selection excluding Rig and Execution of the job.

➤ **Contractor shall submit**

- Track record and past experience in carrying out similar jobs in last 5 years. Should include the following information
 1. Client
 2. Field/ Facility / asset
 3. Water Depth range
 4. Scope of Job
 5. Type of Inventory and Equipment proposed
 6. Details of Rig from which the job was done.
- Details of resources with CVs of Key Technical Personnel and proposed work centre(s).
- Company profile and audited financial results (Balance Sheet) for last three years.
- Details of present work commitments and anticipated work.
- Brief on Health, Safety, Environment and Quality Assurance systems followed for the last three years and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent service provider.

Category No: DEV/KGD6/2012/01 for Installation of Process Gas Compressors, other Equipment & Process Packages along with associated Construction and Modification Works for Onshore Gas Terminal.

➤ **Scope**

Carry out installation of process gas compressors, other equipment & process packages along with associated construction and modification works for Onshore Gas Terminal.

➤ **Contractor shall submit**

- Company profile.
- Details of experience in execution of similar projects in last five (5) years, highlighting project name, scope, salient features, value, contract period, client references etc. Contractor shall highlight:
 - a. Experience in erection of heavy equipment such as large centrifugal compressors, pumps, process packages, columns, etc. including civil and structural works.
 - b. Experience of having carried out works in operating process plants in Oil & Gas and other process industries under 'Work to Permit' system.
- Details of owned equipment.
- Organizational structure – key personnel & project organizational chart with CV of key personnel.

- Technical collaborations & associations.
- Quality policy, quality manual and copies of ISO, OSHA certification.
- HSE policy, HSE manual & HSE statistics for last three years.
- Financial capabilities – Financial statements & balance sheets for the past 3 years
- Present work commitments & anticipated work load for next 2 years
- Any other additional information that will establish that Contractor is a competent service provider.

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

SUMMARY SHEET

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

Category/ Sub-category No.	Category of Equipment/ Materials/ Services	Broad specifications/ details of equipment/ vessel/ resources (as applicable)	Contractor's past performance and supply record	List of major clients (covering projects of preceding years, as applicable incl. on-going projects)	Approx. value of Contracts	Contract period	Company profile	Certificates API/ ISO or others as applicable & validity (attach copies)

Interested Contractors are requested to submit their Expression of Interest (hard copies in duplicate along with electronic copy on CD) with all details through courier / post and also through e-mail on deveoiresponse.eandp@ril.com before 25th January, 2013. The envelope should be super-scribed as RIL/E&P/EOI/2012/07 along with reference category number.

Address for Communication:

Sr. Vice President -Supply Chain Management,
Reliance Industries Limited, Petroleum Business (E&P),
Reliance Corporate Park (RCP),
Building No 11, 'A' Wing, Second Floor,
Thane Belapur Road, Ghansoli,
Navi Mumbai – 400701, India.