



Reliance Industries Limited
Notice Inviting Expression of Interest
(RIL/E&P/EOI/2012/02)
(Under International Competitive Bidding)

For

Oil and Gas Fields

A) Block → ALL BLOCKS

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/2012/01	Conceptual Studies and Front End Engineering Design for Deepwater Field Development.
DEV/COMN/2012/02	Conceptual Studies and Front End Engineering Design for Shallow Water Field Development.
DEV/COMN/2012/03	Design and Supply of X-Mas Trees, PLEM, Manifolds, Subsea Control System, Umbilical termination assemblies and Tie-in systems including technical support during installation and commissioning, provision of operational spares, tools and maintenance support during the lifecycle of the field.
DEV/COMN/2012/04	Design and Supply of various types of Umbilicals including technical support during installation and commissioning.
DEV/COMN/2012/05	Supply of SAW and Seamless Line pipes and bends for Subsea Application.
DEV/COMN/2012/06	Supply of Valves, Flanges, Fittings, Actuators etc. for Subsea Application.
DEV/COMN/2012/07	Project Management Consultancy Services for Field Development.
DEV/COMN/2012/08	Design Review, Appraisal, Certification and Verification Agency for Offshore Facilities.
DEV/COMN/2012/09	Geo-Technical Investigation for Offshore Field Development
DEV/COMN/2012/10	Geo-Physical Surveys for Offshore Field Development.
DEV/COMN/2012/11	Geo-Hazard studies for Offshore Field Development.
DEV/COMN/2012/12	Collection, Analysis and Interpretation of Meteorological and Oceanographic data for Offshore Field Development.
DEV/COMN/2012/13	Supply of HF-ERW Line pipes.

B) Block → 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 Deepwater 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	Hiring of Multi Support Vessel for Sub-Sea Intervention.
OAM/KGD6/2012/02	Providing Mooring Services for Crude Offtake Operations from FPSO Dhirubhai-1
OAM/KGD6/2012/03	Provision of Pull back Tug for Crude Offtake Operations and Hawser & Hose Handling Boat for Crude Offtake Operations from FPSO Dhirubhai - 1
OAM/KGD6/2012/04	Supply of Chemicals used in the production, processing and transportation of crude Oil and Natural Gas.

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 9th February,2012. The Contractors who had earlier submitted their Expression of Interest for similar category are also required to submit their Expression of Interest. The envelope should be superscribed as RIL/E&P/EOI/2012/02 along with category number.

Address for Communication:

Sr. Vice President - Supply Chain Management,
Reliance Industries Limited, Petroleum Business (E&P),
Reliance Corporate Park (RCP),
Building No 8, 'A' Wing, Ground Floor,
Thane-Belapur Road, Ghansoli
Navi Mumbai-400701
India

Email Address: - deveioresponse.eandp@ril.com

Further details on the above requirements are as below:-

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/2012/01	Conceptual Studies and Front End Engineering Design for Deepwater Field Development.
DEV/COMN/2012/02	Conceptual Studies and Front End Engineering Design for Shallow Water Field Development.
DEV/COMN/2012/03	Design and Supply of X-Mas Trees, PLEM, Manifolds, Subsea Control System, Umbilical termination assemblies and Tie-in systems including technical support during installation and commissioning, provision of operational spares, tools and maintenance support during the lifecycle of the field.
DEV/COMN/2012/04	Design and Supply of various types of Umbilicals including technical support during installation and commissioning.
DEV/COMN/2012/05	Supply of SAW and Seamless Line pipes and bends for Subsea Application.
DEV/COMN/2012/06	Supply of Valves, Flanges, Fittings, Actuators etc. for Subsea Application.
DEV/COMN/2012/07	Project Management Consultancy Services for Field Development.
DEV/COMN/2012/08	Design Review, Appraisal, Certification and Verification Agency for Offshore Facilities.
DEV/COMN/2012/09	Geo-Technical Investigation for Offshore Field Development
DEV/COMN/2012/10	Geo-Physical Surveys for Offshore Field Development.
DEV/COMN/2012/11	Geo-Hazard studies for Offshore Field Development.
DEV/COMN/2012/12	Collection, Analysis and Interpretation of Meteorological and Oceanographic data for Offshore Field Development.
DEV/COMN/2012/13	Supply of HF-ERW Line pipes.

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

Category No: DEV/COMN/2012/01 for Conceptual Studies and Front End Engineering Design for Deepwater Field Development.

➤ **Scope**

Carry out Conceptual Engineering and Front End Engineering and Design work for Deepwater Field Development in water depths ranging from 100 m to 2500 mts.

➤ **Contractor shall submit**

- Experience in carrying out Conceptual Engineering & FEED for deepwater field development in the last 10 years. Contractors to provide proposed engineering office to carry out such activities, details of work executed, order value and salient features of the work executed.
- Experience in carrying out Flow Assurance related to Deepwater fields in last 10 years.
- Details of resources available to carry out Conceptual and FEED works and CVs of Key Technical personnel.
- Company profile and audited financial results (Balance Sheet) for last five years.
- Present work commitments and anticipated work load.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent engineering service provider.

Category No: DEV/COMN/2012/02 for Conceptual Studies and Front End Engineering Design for Shallow Water Field Development.

➤ **Scope**

Carry out Conceptual Engineering and Front End Engineering and Design work for Shallow Water Field Development in water depths ranging from 20 m to 100 mts.

➤ **Contractor shall submit**

- Experience in carrying out Conceptual Engineering & FEED for shallow water field development in the last 10 years. Contractors to provide proposed engineering office to carry out such activities, details of work executed, order value and salient features of the work executed.
- Experience in carrying out Flow Assurance related to shallow water fields in last 10 years.
- Details of resources available to carry out Conceptual and FEED works and CVs of Key Technical personnel.

- Company profile and audited financial results (Balance Sheet) for last five years.
- Present work commitments and anticipated work load.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent engineering service provider.

Category No: DEV/COMN/2012/03 for Design and Supply of X-Mas Trees, PLEM, Manifolds, Subsea Control System, Umbilical termination assemblies and Tie-in systems including technical support during installation and commissioning, provision of operational spares, tools and maintenance support during the lifecycle of the field.

➤ **Scope**

Design and Supply of subsea hardware such as Xmas Trees, PLEM, Manifolds, Subsea Control System, Umbilical Termination Assemblies and Tie in Systems along with all associated 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**

- Previous experience of 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. Contractors to quantify each type of subsea hardware supplied and value for each order.
- Experience in providing technical support during installation and commissioning, providing operational spares, 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.
- 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 and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent subsea equipment supplier.

Category No: DEV/COMN/2012/04 for Design and Supply of various types of Umbilicals including technical support during installation and commissioning.

➤ **Scope**

Design and Supply of various types of 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**

- Previous experience of supplying each type of umbilical in the past 10 years for deep water oil and gas projects in water depths ranging from 100 m to 2500 m. Contractors to quantify each type of umbilical supplied and value for each order.
- Experience in providing technical support during installation and commissioning.
- Details of the Manufacturing locations and total annual manufacturing capacity for each type of umbilical.
- List of Key personnel along with CVs for Project Management, Procurement, Engineering, Interface Management, Manufacturing & testing of each type of umbilical.
- 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 and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent umbilical supplier.

Category No: DEV/COMN/2012/05 for Supply of SAW and Seamless Line pipes and bends for Subsea Application.

➤ **Scope**

Supply of various types of 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**

- Previous experience of supplying SAW and Seamless Line pipes and bends in the past 10 years for deep water oil and gas projects. Contractors to quantify each type of line pipe and bends supplied and value for each order.
- Details of the Manufacturing locations and total annual manufacturing capacity for each type of line pipe and bends.
- Details of certification of Steel mills from third party agencies like DNV/LRS/ABS/API for manufacture of line pipes and bends.
- 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 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/2012/06 for Supply of Valves, Flanges, Fittings, Actuators etc. for Subsea Application.

➤ **Scope**

Supply of various types of Valves, Flanges, Fittings, Actuators etc. for deep water oil and gas projects in water depths ranging from 100 m to 2500 m.

➤ **Contractor shall submit**

- Previous experience of supplying Valves, Flanges, Fittings, Actuators etc. 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 types of Valves supplied and value for each order.
- Details of the Manufacturing locations and total annual manufacturing capacity for each type of Valves.
- 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 and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent valve supplier.

Category No: DEV/COMN/2012/07 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**

- Previous experience of 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.

- 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 and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent service provider.

Category No: DEV/COMN/2012/08 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) 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 along with CVs.
- Company Profile and audited financial results (Balance Sheet) for last five years.
- Present work commitments and anticipated work load.
- Brief on Health, Safety, Environment (HSE) and Quality Assurance systems followed and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent to carry out certification & verification activities.

Category No: DEV/COMN/2012/09 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 geo-technical engineering report.

➤ **Contractor shall submit**

- Experience in carrying out 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.
- 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 and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent service provider.

Category No: DEV/COMN/2012/10 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**

- 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.
- 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 and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent service provider.

Category No: DEV/COMN/2012/11 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**

- 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.
- 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 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**

- 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.
- 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 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 Supply of HF-ERW Line pipes .

➤ **Scope**

Supply of various types of HF-ERW Line pipes for oil and gas projects.

➤ **Contractor shall submit**

- Previous experience of supplying HF-ERW Line pipes in the past 10 years for oil and gas projects. Contractor to quantify each types of line pipe supplied and value for each order.
- Details of the Manufacturing locations and total annual manufacturing capacity of each type of line pipe.
- Details of certification of Steel mills from third party agencies like DNV/LRS/ABS/API for manufacture of line pipes.
- 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 and any relevant certification.
- Any other relevant information that will establish that Contractor is a competent line pipe supplier.

B) Block → 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 Deepwater 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	Hiring of Multi Support Vessel for Sub-Sea Intervention.
OAM/KGD6/2012/02	Providing Mooring Services for Crude Offtake Operations from FPSO Dhirubhai-1
OAM/KGD6/2012/03	Provision of Pull back Tug for Crude Offtake Operations and Hawser & Hose Handling Boat for Crude Offtake Operations from FPSO Dhirubhai - 1
OAM/KGD6/2012/04	Supply of Chemicals used in the production, processing and transportation of crude Oil and Natural Gas.

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

Category No: OAM/KG D6/2012/01 for Multi Support Vessel for Sub-Sea Intervention.

➤ **Scope**

Provide Multi Support Vessel (MSV) for performing subsea intervention work.

➤ **Contractor shall submit**

- Details of Multi Support Vessel /Vessels proposed by Contractor, such as :-
 - Present ownership
 - Age of MSV
 - Class certificates
 - Registration of vessel
 - Vessel specifications including details of crane, ROVs, DP system, Helipad, Deck space, Accommodation details etc. including the water depth capability of crane and ROV.
 - Engineering facility available with Contractor related to subsea intervention jobs.

- Details of contracts executed by the Contractor in the preceding 10 years with following details
 - Client
 - Client references
 - Work done
 - Schedule - start and end dates
 - Performance record, etc.
 - MSV used.

- List of key personnel having experience in similar projects 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 Operator/ Owner.

Category No: OAM/KGD6/2012/02: Providing Mooring Services for Crude Offtake Operations from FPSO Dhirubhai-1

➤ **Scope**

Provision of mooring services for crude offtake operations from FPSO Dhirubhai-1.

➤ **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/KGD6/2012/03: Provision of Pull back Tug and Hawser & Hose Handling Boat for Crude Offtake Operations from FPSO Dhirubhai - 1

➤ **Scope**

Providing pull back tug and hawser and hose Handling boat for crude offtake operations from FPSO Dhirubhai-1.

➤ **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.

Category No: OAM/KGD6/2012/04: Supply of Chemicals used in the production, processing and transportation of crude Oil and Natural Gas.

➤ **Scope**

Supply of Chemicals used in the production, processing and transportation of crude Oil and Natural Gas viz. Mono Ethylene Glycol (MEG), Tri Ethelene Glycol (TEG), Methanol, Hydrochloric Acid (HCl), Sodium Carbonate(Na₂CO₃), Sodium Hydroxide (NaOH), Gas Corrossion Inhibitor, Antiscalant, Oil Corrossion Inhibitor, Antifoam for MEG, Oxygen Scavenger, Liquid Nitrogen, Poly Electrolite for ETP, Antifoamer for Desalination, Lubricants.

➤ **Contractor shall submit**

- Details of orders executed in preceding ten years including client contact details (Please attach the details with complete technical information and appropriate certification / documentation).
- Company profile and audited financial results (balance sheet) for last five years.
- Present work commitments or 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 chemicals provider.

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

SUMMARY SHEET

[TO BE SUBMITTED ON A 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 including ongoing projects)	Approx. value of Contracts	Contract period	Company profile	Certificates API / ISO or others as applicable & validity (attach copies)

Note: Preference will be given to ISO certified Organisations.

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 deveoiresponse.eandp@ril.com, before 9th February, 2012. The Contractors who had earlier submitted their Expression of Interest for similar category are also required to submit their Expression of Interest. The envelope should be superscribed as RIL/E&P/EOI/2012/02 along with category number.