



Reliance Industries Limited
Notice Inviting Expression of Interest

(RIL/E&P/EOI/2010/02)

(Under International Competitive Bidding)

For

Oil & Gas Field Developments

A) Block → ALL BLOCKS

Reliance Industries Limited (RIL), as operator, on behalf of itself & its co-ventureres i.e. Niko (NECO) Limited, Niko (NELPIO) Limited, Niko Resources (NELPV) Limited, Oil India Limited, Oil and Natural Gas Corporation Limited, Hardy Exploration & Production (India) Inc., Tullow India Operations Limited and Okland Offshore Holdings Limited invites Expression of Interest (EOI) for the blocks acquired under NELP-I, NELP-II, NELP-III, NELP-IV, NELP-V, NELP-VI and earlier exploration rounds from reputed and experienced Contractors for following categories:

| CATEGORY NO | CATEGORY DESCRIPTION |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DEV/COMN/2010/01 | Conceptual Studies and Front End Engineering Design for Deepwater Field Development. |
| DEV/COMN/2010/02 | Conceptual Studies and Front End Engineering Design for Shallow Water Field Development. |
| DEV/COMN/2010/03 | Conceptual Studies and Front End Engineering Design for Onshore Oil and Gas Handling / Processing Facilities. |
| DEV/COMN/2010/04 | 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/2010/05 | Design and Supply of various types of Umbilicals including technical support during installation and commissioning. |
| DEV/COMN/2010/06 | Supply of SAW and Seamless Line pipes for Subsea Application. |
| DEV/COMN/2010/07 | Supply of Valves, Flanges, Fittings, Actuators etc. for Subsea Application. |
| DEV/COMN/2010/08 | Project Management Consultancy Services for Field Development. |
| DEV/COMN/2010/09 | Design Review, Appraisal, Certification and Verification Agency for Offshore Facilities. |
| DEV/COMN/2010/10 | Design Review, Appraisal, Certification and Verification Agency for Onshore Oil and Gas Handling / Processing Facilities. |
| DEV/COMN/2010/11 | Geo-Technical Surveys for Offshore Field Development |
| DEV/COMN/2010/12 | Geo-Physical Surveys for Offshore Field Development. |
| DEV/COMN/2010/13 | Geo-Hazard studies for Offshore Field Development. |
| DEV/COMN/2010/14 | Collection, Analysis and Interpretation of Meteorological and Oceanographic data for Offshore Field Development. |
| DEV/COMN/2010/15 | Supply of HF-ERW Line pipes. |

B) Block → KG-DWN-98/3 (KG-D6)

Reliance Industries Limited (RIL), as operator, on behalf of itself and its co-venturer i.e. 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 |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DEV/KG D6/2010/01 | Conceptual Study and Front End Engineering Design (FEED) for conversion of existing Jack up unit to a site specific self elevated Process Jack-up Platform to accommodate Process Gas Compression and Associated Facilities. |
| DEV/KG D6/2010/02 | Supply of existing/old Jack-up unit for conversion to a site specific self elevated platform. Converted jack-up platform to operate at 100 meter water depth as a compression Jack –up platform. |
| DEV/KG D6/2010/03 | Fabrication and Testing of Rigid Jumpers for Deepwater Field Development. |
| DEV/KG D6/2010/04 | Hiring of Multi Support Vessel for Sub-Sea Intervention. |
| DEV/KG D6/2010/05 | Engineering, Procurement, Construction, Transportation, Installation, Hook-up/Mechanical completion/Pre-commissioning and Commissioning assistance for Process Gas compression and associated facilities on a converted Process Jack-up Platform to be bridge connected and hooked up with existing Control cum Riser Platform (CRP). |
| DEV/KG D6/2010/06 | Engineering, Procurement, Construction, Transportation, Installation, Inspection and Testing, Pre- commissioning and Commissioning of Heating and Separation System for Condensate, Water and MEG at Onshore Terminal. |

Interested Contractors are requested to visit our website www.ril.com for further details on the above and submit their Expression of Interest in duplicate before 5th May, 2010. The envelope should be superscribed as RIL/E&P/EOI/2010/ 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:-

A) Block → ALL BLOCKS

Reliance Industries Limited (RIL), as operator, on behalf of itself & its co-venturers i.e. Niko (NECO) Limited, Niko (NELPIO) Limited, Niko Resources (NELPV) Limited, Oil India Limited, Oil and Natural Gas Corporation Limited, Hardy Exploration & Production (India) Inc., Tullow India Operations Limited and Okland Offshore Holdings Limited invites Expression of Interest (EOI) for the blocks acquired under NELP-I, NELP-II, NELP-III, NELP-IV, NELP-V, NELP-VI and earlier exploration rounds from reputed and experienced Contractors for following categories:

| CATEGORY NO | CATEGORY DESCRIPTION |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DEV/COMN/2010/01 | Conceptual Studies and Front End Engineering Design for Deepwater Field Development. |
| DEV/COMN/2010/02 | Conceptual Studies and Front End Engineering Design for Shallow Water Field Development. |
| DEV/COMN/2010/03 | Conceptual Studies and Front End Engineering Design for Onshore Oil and Gas Handling / Processing Facilities. |
| DEV/COMN/2010/04 | 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/2010/05 | Design and Supply of various types of Umbilicals including technical support during installation and commissioning. |
| DEV/COMN/2010/06 | Supply of SAW and Seamless Line pipes for Subsea Application. |
| DEV/COMN/2010/07 | Supply of Valves, Flanges, Fittings, Actuators etc. for Subsea Application. |
| DEV/COMN/2010/08 | Project Management Consultancy Services for Field Development. |
| DEV/COMN/2010/09 | Design Review, Appraisal, Certification and Verification Agency for Offshore Facilities. |
| DEV/COMN/2010/10 | Design Review, Appraisal, Certification and Verification Agency for Onshore Oil and Gas Handling / Processing Facilities. |
| DEV/COMN/2010/11 | Geo-Technical Surveys for Offshore Field Development |
| DEV/COMN/2010/12 | Geo-Physical Surveys for Offshore Field Development. |
| DEV/COMN/2010/13 | Geo-Hazard studies for Offshore Field Development. |
| DEV/COMN/2010/14 | Collection, Analysis and Interpretation of Meteorological and Oceanographic data for Offshore Field Development. |
| DEV/COMN/2010/15 | Supply of HF-ERW Line pipes. |

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

Category No: DEV/COMN/2010/01 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 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.
- Any other relevant information that will establish that Contractor is a competent engineering service provider.

Category No: DEV/COMN/2010/02 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 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.
- Any other relevant information that will establish that Contractor is a competent engineering service provider.

Category No: DEV/COMN/2010/03 for Conceptual Studies and Front End Engineering Design for Onshore Oil and Gas Handling / Processing Facilities.

➤ **Scope**

Carry out Conceptual Engineering and Front End Engineering and Design work for Onshore Oil and Gas Handling / Processing Facilities.

➤ **Contractor shall submit**

- Experience in carrying out Conceptual Engineering & FEED for Onshore Oil and Gas Handling / Processing Facilities in the last 10 years. Contractors to provide details of work executed, order value and salient features of the work executed.
- 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.
- Any other relevant information that will establish that Contractor is a competent engineering service provider.

Category No: DEV/COMN/2010/04 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 Contract.
- 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.
- Any other relevant information that will establish that Contractor is a competent equipment supplier.

Category No: DEV/COMN/2010/05 for Design and Supply of various types of Umbilicals including technical support during installation and commissioning.

➤ **Scope**

Design and Supply of various types of Umbilicals 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 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 umbilical supplied and value for each Contract.
- 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 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.
- Any other relevant information that will establish that Contractor is a competent equipment supplier.

Category No: DEV/COMN/2010/06 for Supply of SAW and Seamless Line pipes for Subsea Application.

➤ **Scope**

Supply of various types of SAW and Seamless Line pipes 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 in the past 10 years for deep water oil and gas projects in water depths in 100 m to 2500 m. Contractors to quantify each type of line pipe supplied and value for each Contract.
- Details of the Manufacturing locations and total annual manufacturing capacity for each type of line pipe.
- Details of certification of Steel mills for manufacture of line pipes from third party agencies like DNV/LRS/ABS.
- 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.
- Any other relevant information that will establish that Contractor is a competent line pipe supplier.

Category No: DEV/COMN/2010/07 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 Contract.
- Details of the Manufacturing locations and total annual manufacturing capacity for each types 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.
- Any other relevant information that will establish that Contractor is a competent equipment supplier.

Category No: DEV/COMN/2010/08 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.
- Any other relevant information that will establish that Contractor is a competent service provider.

Category No: DEV/COMN/2010/09 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.
- Any other relevant information that will establish that Contractor is a competent to carry out certification & verification activities.

Category No: DEV/COMN/2010/10 for Design Review, Appraisal, Certification and Verification Agency for Onshore Oil and Gas Handling / Processing Facilities.

➤ **Scope**

The scope will involve design review and appraisal, risk assessment & certification of onshore oil and gas handling / processing 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 onshore oil and gas handling / processing 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.
- Any other relevant information that will establish that Contractor is a competent to carry out certification & verification activities.

Category No: DEV/COMN/2010/11 for Geo-Technical Surveys for Offshore Field Development:

➤ **Scope**

Carry out Geo-technical surveys 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.
- Any other relevant information that will establish that Contractor is a competent service provider.

Category No: DEV/COMN/2010/12 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.

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

Category No: DEV/COMN/2010/13 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.
- Any other relevant information that will establish that Contractor is a competent service provider.

Category No: DEV/COMN/2010/14 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.
- Any other relevant information that will establish that Contractor is a competent engineering service provider.

Category No: DEV/COMN/2010/15 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 Contract.
- Details of the Manufacturing locations and total annual manufacturing capacity of each type of line pipe.
- Details of certification of Steel mills for manufacture of line pipes from third party agencies like DNV/LRS/ABS.
- 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.
- 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 and its co-venturer i.e. 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 |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DEV/KG D6/2010/01 | Conceptual Study and Front End Engineering Design (FEED) for conversion of existing Jack up unit to a site specific self elevated Process Jack-up Platform to accommodate Process Gas Compression and Associated Facilities. |
| DEV/KG D6/2010/02 | Supply of existing/old Jack-up unit for conversion to a site specific self elevated platform. Converted jack-up platform to operate at 100 meter water depth as a compression Jack –up platform. |
| DEV/KG D6/2010/03 | Fabrication and Testing of Rigid Jumpers for Deepwater Field Development. |
| DEV/KG D6/2010/04 | Hiring of Multi Support Vessel for Sub-Sea Intervention. |
| DEV/KG D6/2010/05 | Engineering, Procurement, Construction, Transportation, Installation, Hook-up/Mechanical completion/Pre-commissioning and Commissioning assistance for Process Gas compression and associated facilities on a converted Process Jack-up Platform to be bridge connected and hooked up with existing Control cum Riser Platform (CRP). |
| DEV/KG D6/2010/06 | Engineering, Procurement, Construction, Transportation, Installation, Inspection and Testing, Pre- commissioning and Commissioning of Heating and Separation System for Condensate, Water and MEG at Onshore Terminal. |

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

Category No: DEV/KG D6/2010/01 Conceptual Study and Front End Engineering Design (FEED) for conversion of existing Jack up unit to a site specific self elevated Process Jack-up Platform to accommodate Process Gas Compression and Associated Facilities.

➤ **Scope**

Carry out Feasibility & Conceptual engineering and Front End Engineering Design (FEED) for converting an existing Jack-up Unit to a site specific self elevated Process Jack-up Platform to accommodate topside Process Gas Compression and Associated Facilities which will be bridge connected to existing Control cum Riser Platform and to be operated at 100 meter water depth.

➤ **Contractor shall submit**

- Track record and past experience in carrying out similar projects of international standard.
- Details of resources with CVs of Key Technical Personnel and proposed work centre(s).

- 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.
- Any other relevant information that will establish that Contractor is a competent engineering service provider.

Category No: DEV/KG D6/2010/02 Supply of existing/old Jack-up unit for conversion to a site specific self elevated platform. Converted jack-up platform to operate at 100 meter water depth as a compression Jack –up platform.

➤ **Scope**

Supply of existing/old Jack-up unit.

Purpose is to convert the old jack-up unit to a site specific self elevated platform. Procurement of old jack-up unit by the Company will be based on the following key parameters.

- Water Depth (at the jack-up location): about 100 meter.
- Anticipated penetration: 31 meter (approximate).
- Soil type: Inter-bedded sands (loose to medium) and clays (soft to stiff) underlain by clay with layers of sands.
- Required Air Gap: Around 15 meter.
- Topside Facilities: Will accommodate process gas compression modules, power generation system and associated facilities, living quarter module, etc.
- Expected Topside Weight: > (more than) 3000 Tonnage.

➤ **Contractor shall submit**

- Specification and relevant information of the jack-up unit proposed for supply, including the following parameters:

❖ **General:**

- Unit Type
- Year of construction
- Classification status (provide latest classification society certificate)
- Certification status (provide latest certificate)

❖ **Main Dimensions/Technical Description:**

- Overall length (including helideck) and width of unit
- Hull length, hull width and hull depth (provide the layout)
- Number of legs/length
- Type of leg

- Leg spacing (centre to centre)
 - Transverse
 - Longitudinal
- Spud can diameter/bearing area
- Spud can height
- Air Gap (below bottom main hull)
- Specify Environmental limits

- ❖ Jacking system:
 - Make/type
 - No. of jacks or pinions
 - Maximum jacking load
 - Jacking speed

- ❖ Operational Capabilities:
 - Maximum designed water depth capability
 - Normal minimum water depth capability
 - Maximum and minimum water depth on which operated
 - Previous and current operation information/status

- ❖ Load Capacity:
 - Drilling Variable Load (VL) capacity
 - Survival VL capacity
 - Jacking VL capacity
 - Transit VL capacity

- ❖ Brief specification about Substructure

- ❖ Brief specification about superstructure
 - Accommodation capacity
 - Power Generation capacity (including emergency power unit if any)
 - Deck cranes
 - Helideck size, designed for helicopter type and certification
 - Helicopter refueling system
 - Safety and survival equipment
 - Air conditioning
 - Other ancillary units

❖ Details of major upgrades/refurbishment (if any) performed

- Any other relevant information to assess the extent of structural refurbishment and life extension works, up-gradation required for conversion to meet requirement.
- 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.
- Any other relevant information that will establish that Contractor is a competent service provider/supplier.

Category No: DEV/KG D6/2010/03 for Fabrication and Testing of Rigid Jumpers for Deepwater Field Development.

➤ **Scope**

Mobilization of necessary resources for fabrication of rigid jumpers including carrying out required tests at onshore and provide adequate support services for rigging & sea fastening onboard vessels.

➤ **Contractor shall submit**

- Experience in carrying out similar works associated with deepwater field development with scope of services provided, client references, project details, completion time, etc.
- List of Equipment.
- List of key personnel having experience in similar works 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 System followed.
- Any other relevant information that will establish that Contractor is a competent service provider.

Category No: DEV/KG D6/2010/04 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.
 - Engineering facility available with Contractor related to sub sea intervention jobs.
 - Track record for last ten years.
- 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.
- 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 positions 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 including safety statistics of the company in the last five years.
- Any other relevant information that will establish that Contractor is a competent service provider.

Category No: DEV/KG D6/2010/05 for Engineering, Procurement, Construction, Transportation, Installation, Hook-up/Mechanical completion/Pre-commissioning and Commissioning assistance for Process Gas compression and associated facilities on a converted Process Jack-up Platform to be bridge connected and hooked up with existing Control cum Riser Platform (CRP).

➤ **Scope**

- Engineering, Procurement, Construction, Transportation, Installation, Hook-up/Mechanical completion/Pre-commissioning and commissioning assistance of Process Gas compressors and associated facilities on a site specific self elevated converted Process Jack-up Platform which will be bridge connected with existing Control cum Riser Platform (CRP).
- Refurbishment/ Conversion of an existing Jack-up unit (which will be supplied by Company as Free Issue Material) to make it suitable for installation of process gas compression and associated facilities, Living Quarters, etc, transportation and installation at 100 meter water depth.
- Fabrication and installation of bridge, tie-in connection and modification on existing Control cum Riser platform (CRP) for the hook-up of the Jack-up Platform based Compression facility with CRP.

➤ **Contractor shall submit**

- Track record and past experience in carrying out projects of similar nature as per international standard.
- Details of resources and list of key personnel having experience in similar projects along with CVs
- Proposed work centre(s) and yard.
- 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.
- Any other relevant information that will establish the competence of the Contractor to carry out the work.

Category No: DEV/KG D6/2010/06 for Engineering, Procurement, Construction, Transportation, Installation, Inspection and Testing, Pre- commissioning and Commissioning of Heating and Separation System for Condensate, Water and MEG at Onshore Terminal.

➤ **Scope**

Gas from KG-D6 field routed through Slug Catcher-3 (600 #) at onshore terminal will contain MEG, Water and Condensate. This liquid separated in Slug Catcher -3 is connected to Gas Condensate Plant called MAGCP for stabilization. This separated liquid will be at about zero degree centigrade and at Slug Catcher operating pressure.

For efficient separation of condensate from rich MEG (MEG+water), the heating by means of available hot oil would be required before this condensate is sent to the existing MAGCP. To facilitate this, heaters and three phase separators are to be installed after level control valve of the slug catcher placed in MAGCP area along with associated piping controls and instrumentation. This system needs to be hooked up with the existing piping, utilities & controls and would have all required temperature and pressure protections. The separated MEG and water shall be routed to existing MEG regeneration plant meant for liquid coming out from Slug Catcher- 1 and 2.

➤ **Contractor shall submit :**

- Details of contracts executed in preceding ten years including client contact details (Please attach the details with complete technical information and appropriate certification / documentation).
- Details of Equipment/Resources directly owned and details of key technical personnel.
- 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.
- Any other relevant information that will establish that Contractor is a competent equipment/material/service 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 No. | Category of Services | Broad Specifications/ details of Equipment/ Vessel/ Resources (as applicable) | Contractor's past performance and supply record | List of major clients (Projects in last 10 years including ongoing projects) | Approx. value of Contracts | Contract period | Company profile | Certificates API / ISO or others as applicable & validity (attach copies) |
|--------------|----------------------|-------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------------------------------------------|----------------------------|-----------------|-----------------|---------------------------------------------------------------------------|
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Note: Preference will be given to ISO certified Organisations.

Interested Contractors are requested to submit their Expression of Interest in duplicate indicating all above details through Post / Courier and also through e-mail on deveioresponse.eandp@ril.com, before 5th May, 2010. The envelope should be superscribed as RIL/E&P/EOI/2010/02.