



**Reliance Industries Limited**  
**Notice Inviting Expression of Interest**  
**(RIL/CBM/EOI/2012/01)**

**(Under International Competitive Bidding)**

*For*

Blocks SP(West)-CBM-2001/1 & SP(East)-CBM-2001/1 Field Development

Reliance Industries Limited (RIL), as operator invites Expression of Interest (EOI) for CBM Blocks SP(West)-CBM-2001/1 & SP(East)-CBM-2001/1 located in central India from reputed and experienced Contractors for following categories:

<b>CATEGORY NO</b>	<b>CATEGORY DESCRIPTION</b>
<b>DEV/CBM/2012/01</b>	Project Management Consultant (PMC) and Detailed Engineering Services for Surface Facilities for CBM Field Development.
<b>DEV/CBM/2012/02</b>	Design, Supply, Installation Supervision, Testing, Pre-commissioning and Commissioning of Packages and Equipment required for CBM Field Development.
<b>DEV/CBM/2012/03</b>	Supply of Materials and Services for CBM Field Development.

Interested Contractors are requested to visit our website [www.ril.com](http://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 Post / Courier and also through e-mail on [cbmeioresponse.eandp@ril.com](mailto:cbmeioresponse.eandp@ril.com) before 21<sup>st</sup> January, 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/CBM/EOI/2012/01 along with reference number of category.

**Address for Communication:**

Senior 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: - [cbmeioresponse.eandp@ril.com](mailto:cbmeioresponse.eandp@ril.com)

**Further Details on the above requirement are as follows:-**

Reliance Industries Limited (RIL), as operator invites Expression of Interest (EOI) for CBM Blocks SP(West)-CBM-2001/1 & SP(East)-CBM-2001/1 located in central India from reputed and experienced Contractors for following categories:

CATEGORY NO	CATEGORY DESCRIPTION
DEV/CBM/2012/01	<b>Project Management Consultant (PMC) and Detailed Engineering Services for Surface Facilities for CBM Field Development</b>

Contractors interested to pre-qualify for receiving tenders for the above category ref. DEV/CBM/2012/01 are required to submit the details listed in Page no.7&8 as a minimum.

DEV/CBM/2012/02	<b>Design, Supply, Installation Supervision, Testing, Pre-Commissioning and Commissioning of Packages and Equipment required for CBM Field Development.</b>
<b>(A) MECHANICAL PACKAGES &amp; EQUIPMENT</b>	
DEV/CBM/2012/02/A/1.0	Air Compressor & dryer package upto 500 m3/hr - Dry screw/Air-cooled
DEV/CBM/2012/02/A/2.0	Clean Agent Fire Suppression System
DEV/CBM/2012/02/A/3.0	Diesel Generator sets (upto 1000 KVA)
DEV/CBM/2012/02/A/4.0	Skid mounted Gas blower package - Gas Engine / Motor driven with related accessories including scrubbers, coolers, piping, valves,instruments,control system etc
DEV/CBM/2012/02/A/5.0	Skid mounted Centrifugal Gas Compressor package - Gas Engine / Motor Driven with related accessories including scrubbers, coolers, piping, valves,instruments,control system etc
DEV/CBM/2012/02/A/6.0	Skid mounted Reciprocating Gas Compressor package - Gas Engine / Motor Driven with related accessories including volume bottles , scrubbers, coolers, piping, valves,instruments,control system etc
DEV/CBM/2012/02/A/7.0	Skid mounted Screw Gas Compressor package - Gas Engine / Motor Driven with related accessories including volume bottles , scrubbers, coolers, piping, valves,instruments,control system etc
DEV/CBM/2012/02/A/8.0	Gas Dehydration units - Skid mounted / Modular units
DEV/CBM/2012/02/A/9.0	Gas Engine Generator package with related accessories
DEV/CBM/2012/02/A/10.0	Gas Turbine Generators (upto 15 MW) with related accessories
DEV/CBM/2012/02/A/11.0	Nitrogen Generation Package (upto 200 m3/hr)
DEV/CBM/2012/02/A/12.0	Skid mounted gas/water separator unit with separator vessel and related accessories including piping, valves, instruments etc
DEV/CBM/2012/02/A/13.0	Fuel Gas Conditioning Skid
DEV/CBM/2012/02/A/14.0	Water Treatment / Effluent Treatment Plant
<b>(B) ELECTRICAL</b>	
DEV/CBM/2012/02/B/1.0	HV Switchboards / Switchgears
DEV/CBM/2012/02/B/2.0	LV Switchboards / Switchgears and Motor Control Centers / PMCC / PCC / PDBs.
DEV/CBM/2012/02/B/3.0	HV & EHV switch yard with related accessories including breaker, pole, lightening arrestor, isolator, earth switch, CT, PT, metering, protection system etc.

CATEGORY NO	CATEGORY DESCRIPTION
<b>(C) INSTRUMENTATION</b>	
DEV/CBM/2012/02/C/1.0	Supervisory Control And Data Acquisition System (SCADA) with related accessories including Remote Terminal Units, Solar power Panels, Radio communication units etc.
DEV/CBM/2012/02/C/2.0	Fire & Gas system and associated field devices & accessories for Process.
DEV/CBM/2012/02/C/3.0	Fire Detection & Alarm System for Buildings.
<b>(D) PIPING &amp; PIPELINE</b>	
DEV/CBM/2012/02/D/1.0	Cathodic Protection systems for pipelines
DEV/CBM/2012/02/D/2.0	Coatings and Wrappings for corrosion protection of pipelines
DEV/CBM/2012/02/D/3.0	GRE Pipes & Fittings
DEV/CBM/2012/02/D/4.0	Insulation for piping / Equipment / Vessels
<b>(E) INFORMATION TECHNOLOGY</b>	
DEV/CBM/2012/02/E/1.0	Telecom Towers
DEV/CBM/2012/02/E/2.0	Production accounting system – Software, hardware and Services
DEV/CBM/2012/02/E/3.0	Production Simulation system – Software, hardware and Services
DEV/CBM/2012/02/E/4.0	Land information system (LIS) – Software, hardware and Services
DEV/CBM/2012/02/E/5.0	Data management for geology, geophysics, reservoir engineering, drilling, mud engineering, cementing, Production, completion, stimulation, HSE, etc – Software, hardware and Services
<b>(F) SECURITY AUTOMATION</b>	
DEV/CBM/2012/02/F/1.0	Security Automation & Management System comprising of a. Access Control System; b. Video Surveillance System; c. Perimeter Intrusion Detection System and d. Alarm System
DEV/CBM/2012/02/F/2.0	Gate Control & Automation System comprising of a. Motorized gates; b. Vehicle Boom Barriers and c. Bollards
DEV/CBM/2012/02/F/3.0	Wide Area Surveillance & Detection system comprising of a. People & Vehicle Tracking; b. Real time Situational Awareness; c. Geo Fencing and intrusion detection; d. Field Asset Control & Monitoring
<b>(G) CIVIL/INFRASTRUCTURE</b>	
DEV/CBM/2012/02/G/1.0	Portable, Modular Office and Warehouse, Containers and Office Furniture and Office Automation Equipment (Computers, Scanner, Fax etc.) and other capital goods.
DEV/CBM/2012/02/G/2.0	Construction of Buildings, Industrial structures, Slope protection, Drainage, Bridges & Culverts, Roads, etc.

Contractors interested to pre-qualify for receiving tenders for the above category ref. DEV/CBM/2012/02 are required to submit the details listed in Page no.7&8 as a minimum.

<b>DEV/CBM/2012/03</b>	<b>Supply of Material and Services for CBM Field Development</b>
<b>(A) MECHANICAL ITEMS</b>	

<b>CATEGORY NO</b>	<b>CATEGORY DESCRIPTION</b>
DEV/CBM/2012/03/A/1.0	Fire Fighting Equipment - Fire hoses, Hydrant Valves, Pressure Control Device, Fittings, Hose Reel & Accessories, Cabinets, Nozzles, Monitor, Deluge valves and other miscellaneous fire fighting equipment.
DEV/CBM/2012/03/A/2.0	Fire Water pumps - Engine/Motor driven (as per NFPA / OISD)
DEV/CBM/2012/03/A/3.0	Flare System - Flare tip, Ignition system etc.
DEV/CBM/2012/02/A/4.0	Multi-purpose Fire Tender.
DEV/CBM/2012/03/A/5.0	Centrifugal Gas Compressors for CBM gas compression application.
DEV/CBM/2012/03/A/6.0	Reciprocating Gas Compressors for CBM gas compression application.
DEV/CBM/2012/03/A/7.0	Screw Gas Compressors for CBM gas compression application.
DEV/CBM/2012/03/A/8.0	Gas Engines for Power Generation and as Mechanical drive.
DEV/CBM/2012/03/A/9.0	Shell & Tube Heat Exchangers.
DEV/CBM/2012/03/A/10.0	Air Cooled Heat Exchangers.
DEV/CBM/2012/03/A/11.0	HVAC equipment and accessories.
DEV/CBM/2012/03/A/12.0	Material Handling equipment - EOT Cranes/Hoists/Chain Pulley Blocks etc.
DEV/CBM/2012/03/A/13.0	Potable/Utility water packages (upto 20 m3/hr).
DEV/CBM/2012/03/A/14.0	Pressure vessels, Scrubbers & Separators.
DEV/CBM/2012/03/A/15.0	API Pumps.
DEV/CBM/2012/03/A/16.0	Non-API Pumps.
<b>(B) ELECTRICAL ITEMS</b>	
DEV/CBM/2012/03/B/1.0	LV Bus Duct
DEV/CBM/2012/03/B/2.0	MV/HV Bus Duct
DEV/CBM/2012/03/B/3.0	FRP Cable tray with accessories
DEV/CBM/2012/03/B/4.0	GI Cable trays & raceways - Ladder & perforated type with accessories
DEV/CBM/2012/03/B/5.0	HV Power Cables
DEV/CBM/2012/03/B/6.0	HV Power Cables with DGMS approval
DEV/CBM/2012/03/B/7.0	Aerial Bunched HV Power Cables
DEV/CBM/2012/03/B/8.0	LV Power & Control Cables.
DEV/CBM/2012/03/B/9.0	LV Power & Control Cables with DGMS approval.
DEV/CBM/2012/03/B/10.0	Aerial Bunched LV Power Cables
DEV/CBM/2012/03/B/11.0	ACSR/AAAC Conductors for HT/LT Overhead Line
DEV/CBM/2012/03/B/12.0	Control Panel for installing VFDs, RTUs , power distribution, power packs etc.
DEV/CBM/2012/03/B/13.0	Earthing Material including Earth electrode, lightning arrestor, earth strip, pit cover, etc.
DEV/CBM/2012/03/B/14.0	Electrical Heat Tracing Systems
DEV/CBM/2012/03/B/15.0	Accessories for HT/LT Overhead line - RCC /Steel Pole,bracket, clamp, insulator, stay wire, clamp , bracket etc.
DEV/CBM/2012/03/B/16.0	Special Lighting Fixtures
DEV/CBM/2012/03/B/17.0	Lighting Poles
DEV/CBM/2012/03/B/18.0	Lighting Fixtures for Hazardous Area

<b>CATEGORY NO</b>	<b>CATEGORY DESCRIPTION</b>
DEV/CBM/2012/03/B/19.0	Lighting Fixtures for Hazardous Area with DGMS approval
DEV/CBM/2012/03/B/20.0	Industrial Lighting Fixtures
DEV/CBM/2012/03/B/21.0	High Mast Lighting system
DEV/CBM/2012/03/B/22.0	LV Electric Motors for hazardous and non hazardous area
DEV/CBM/2012/03/B/23.0	LV Electric Motors for hazardous with DGMS approval
DEV/CBM/2012/03/B/24.0	HV Electric Motors for hazardous and non hazardous area
DEV/CBM/2012/03/B/25.0	HV Electric Motors for hazardous with DGMS approval
DEV/CBM/2012/03/B/26.0	Neutral Earthing Resistors
DEV/CBM/2012/03/B/27.0	Electrical Protection Relays
DEV/CBM/2012/03/B/28.0	Soft Starters
DEV/CBM/2012/03/B/29.0	Dry type Distribution Transformers
DEV/CBM/2012/03/B/30.0	Oil filled Distribution Transformers
DEV/CBM/2012/03/B/31.0	Oil filled Power Transformers
DEV/CBM/2012/03/B/32.0	UPS System for IT & computers
DEV/CBM/2012/03/B/33.0	UPS system for process area
DEV/CBM/2012/03/B/34.0	Variable Frequency Drives
DEV/CBM/2012/03/B/35.0	Batteries for UPS system – Lead Acid / VRLA/ NI-CD
<b>(C) INSTRUMENTATION ITEMS</b>	
DEV/CBM/2012/03/C/1.0	Acoustic Fluid Level measuring instrument
DEV/CBM/2012/03/C/2.0	Fibre optic Cable
DEV/CBM/2012/03/C/3.0	Instrument Cable
DEV/CBM/2012/03/C/4.0	Control Valves - actuated and self-regulating along with accessories
DEV/CBM/2012/03/C/5.0	Fibre optic cable installation accessories - LIUs, Patch cords, trays, connectors etc.
DEV/CBM/2012/03/C/6.0	Custody transfer flow meter skid for Gas
DEV/CBM/2012/03/C/7.0	Flow meters for Gas / hydrocarbon measurement
DEV/CBM/2012/03/C/8.0	Flow meters for Gas / hydrocarbon measurement with DGMS approval
DEV/CBM/2012/03/C/9.0	Flow meters for Water / liquid measurement
DEV/CBM/2012/03/C/10.0	Laboratory Instruments for Gas and water composition analysis - Gas chromatograph, turbidity meter, gas sampler, calorie meter, gas density meter etc.
DEV/CBM/2012/03/C/11.0	Down Hole Gauge.
DEV/CBM/2012/03/C/12.0	Instrument Fittings and other miscellaneous bulks
DEV/CBM/2012/03/C/13.0	Isolation / Shut-down valves - actuators, motor or pneumatic or Solenoid operated
DEV/CBM/2012/03/C/14.0	Instrumentation Junction Boxes, DGMS approval required for Well site items
DEV/CBM/2012/03/C/15.0	Level controllers - Pneumatic actuated with local controller, air filter regulator and valve
DEV/CBM/2012/03/C/16.0	Machine Condition Monitoring System (MCMS)

<b>CATEGORY NO</b>	<b>CATEGORY DESCRIPTION</b>
DEV/CBM/2012/03/C/17.0	Orifice Plates , Restriction Orifice & Meter Run Assy.
DEV/CBM/2012/03/C/18.0	Temperature Elements with Thermowell
DEV/CBM/2012/03/C/19.0	Transmitters - Pressure, Diff Pressure, along with manifolds & associated accessories, DGMS approval required for Well site items
DEV/CBM/2012/03/C/20.0	Temperature Transmitter
DEV/CBM/2012/03/C/21.0	Safety relief Valves
DEV/CBM/2012/03/C/22.0	Slam shut off Valves
DEV/CBM/2012/03/C/23.0	Vent / Tank breather Valves
<b>(D) PIPING &amp; PIPELINE ITEMS</b>	
DEV/CBM/2012/03/D/1.0	Poly Ethylene (PE) Fittings, Butt Fusion or Electro Fusion or any suitable fittings for Poly Ethylene (PE) Pipes for Gas & Water services and associated machines / tools required for jointing.
DEV/CBM/2012/03/D/2.0	Pig launchers, receivers and any allied materials.
DEV/CBM/2012/03/D/3.0	Poly Ethylene (PE) pipes for Gas & Water services
DEV/CBM/2012/03/D/4.0	CS Forgings (Bleed rings/spacers/blinds etc.)
DEV/CBM/2012/03/D/5.0	Expansion Bellows
DEV/CBM/2012/03/D/6.0	CS / SS Fittings
DEV/CBM/2012/03/D/7.0	Flame Arrestors
DEV/CBM/2012/03/D/8.0	CS / SS Flanges
DEV/CBM/2012/03/D/9.0	Gaskets
DEV/CBM/2012/03/D/10.0	Hangers and Spring Supports
DEV/CBM/2012/03/D/11.0	Hoses & Couplings
DEV/CBM/2012/03/D/12.0	Injection Quills
DEV/CBM/2012/03/D/13.0	Insulating Joints / Gaskets
DEV/CBM/2012/03/D/14.0	Paints
DEV/CBM/2012/03/D/15.0	CS / GI / SS Pipes /Line pipes
DEV/CBM/2012/03/D/16.0	Safety Showers and Eye wash
DEV/CBM/2012/03/D/17.0	Sample Coolers
DEV/CBM/2012/03/D/18.0	Sight Glass
DEV/CBM/2012/03/D/19.0	CS / SS Strainers
DEV/CBM/2012/03/D/20.0	Stud Bolts & Nuts
DEV/CBM/2012/03/D/21.0	Valves / Traps, Gas / Air relief , CS / SS
DEV/CBM/2012/03/D/22.0	CS / SS Ball Valves
DEV/CBM/2012/03/D/23.0	CS / SS Butterfly Valves
DEV/CBM/2012/03/D/24.0	CS / SS Extended Spindle Valves
DEV/CBM/2012/03/D/25.0	CS / SS Gate, Globe & Check Valves (sizes ranging from 1/2" to 1 1/2" above)
DEV/CBM/2012/03/D/26.0	CS / SS Gate, Globe & Check Valves (sizes ranging from 2" and above)
DEV/CBM/2012/03/D/27.0	CS / SS Needle Valves
DEV/CBM/2012/03/D/28.0	CS / SS Plug Valves
DEV/CBM/2012/03/D/29.0	CS Fittings for line pipe, Barred tees, Long radius elbow / bends etc, for Piggable lines
DEV/CBM/2012/03/D/30.0	CS Isolation Valves for Piggable Lines
DEV/CBM/2012/03/D/31.0	Valves, Penstock, Sluice Gate etc

<b>CATEGORY NO</b>	<b>CATEGORY DESCRIPTION</b>
DEV/CBM/2012/03/D/32.0	Supply & apply of Internal lining for CS pipes for corrosion protection
DEV/CBM/2012/03/D/33.0	Electrodes of different grades and size, Fluxes, Gases for welding & cutting and other welding & cutting accessories.
<b>(E) INFORMATION TECHNOLOGY ITEMS</b>	
DEV/CBM/2012/03/E/1.0	Network Components for LAN and WAN - Active (Routers ,firewall and Switches) and Passive (Fibre and copper cable and related accessories)
<b>(F) CIVIL ITEMS</b>	
DEV/CBM/2012/03/F/1.0	Construction materials such as cements, sands and aggregates.
DEV/CBM/2012/03/F/2.0	Different grades of Steel viz. High yield deformed bars (Corrosion resistant steel), MS Plates, Pipes, Beams, Angles, Channels, Bars, and Structural members of different Sizes and Grades.
DEV/CBM/2012/03/F/3.0	Precast Concrete Poles, Members, footings, Sections, Skids with partial steel and concrete members
<b>(G) SERVICES FOR CBM FIELD DEVELOPMENT</b>	
DEV/CBM/2012/03/G/1.0	Engineering and Installation for Infrastructure area electrical works including 33 kV overhead line, switchyard, S/S Bldg., Main Power Distribution and associated electrical works
DEV/CBM/2012/03/G/2.0	Pipeline route survey.
DEV/CBM/2012/03/G/3.0	Hiring of rock cutting machine, blasting machine, Excavators, Pipe lay booms, Trucks, Trailers etc.
DEV/CBM/2012/03/G/4.0	Geo-Technical surveys, Topography survey, River Hydraulic Studies.
DEV/CBM/2012/03/G/5.0	Freight forwarding & transportation
DEV/CBM/2012/03/G/6.0	Hiring of Cranes etc. for installation
DEV/CBM/2012/03/G/7.0	Hiring of Generator Sets ( Gas/Diesel)
DEV/CBM/2012/03/G/8.0	Third Party Inspection (TPI) for Quality Control & Assurance

Contractors interested to pre-qualify for receiving tenders for the above categories are required to submit the following details as a minimum.

- a) Product and service profile
- b) Organizational structure – Key Personnel & Project organizational chart
- c) Technical capabilities – Manpower & facility resources for Design, Material sourcing, Manufacturing & Testing, on site & off site support services
- d) Technical collaborations & associations
- e) Certifications – Copies of API / ISO / OSHA certification
- f) Internal Processes – Copies of QA/QC & HSE policies
- g) Financial capabilities – Financial statements & balance sheets for the past 3 years
- h) Brief specifications / descriptions of the offered equipment / systems / services

- i) Details of experience in execution of similar projects in last ten (10) years, highlighting project name, scope, salient features, value, contract period, client references etc.
- j) Present work commitments & anticipated work load for next 2 years
- k) Additional information
- l) Check List as per annexure I



## ANNEXURE I

<b>RELIANCE INDUSTRIES LIMITED – CBM FIELD DEVELOPMENT          CONTRACTOR'S CHECK SHEET FOR EXPRESSION OF INTEREST (EOI) - RIL/CBM/EOI/2012/01</b>	
Name of the Company	
Proposal ref.	
Proposal Date.	
Key Contact Details Name: Tel No: Email:	

Category No	Category Description	Information about your Company						Details for the offered Supply/Services			
		1	2	3	4	5	6	7	8	9	10
		Product & Service Profile	Organisation – Key Personnel and Project Organisation Chart	Technical Capabilities – Manpower & Facility resources for Design, Material Sourcing, Manufacturing & Testing, on site & off site support services	Technical Collaborations & associations	Certifications & Processes	Financial capabilities – Audited Balance Sheets for last three (3) years	Brief Specifications/ descriptions	Catalogue/ datasheet/ application notes	Details of experience in similar projects during the past ten (10) years viz. Project Name, Contract/Order Value, Contract Period and Client name along with the contact details	Additional Information

**Notes:**

1. Check Sheet to be submitted in native MS Excel Format. Proposal to be arranged in 10 sections as per the sequence suggested above
2. Preference will be given to ISO certified organizations/Original Equipment Manufacturers and their authorized packagers/service providers