



**Reliance Industries Limited**  
**Notice Inviting Expression of Interest**  
**(RIL/CBM/EOI/2014/02)**  
**(Under International Competitive Bidding)**  
*For*  
**Blocks SP(West)-CBM-2001/1 & SP(East)-CBM-2001/1**

Reliance Industries Limited (RIL), as operator, invites Expression of Interest (EOI) for CBM blocks SP(West)-CBM-2001/1 & SP(East)-CBM-2001/1 acquired under CBM Round-1 from reputed and experienced Contractors for following categories:

<b>Category No</b>	<b>Category Description</b>
<b>DEV/CBM/DAC/2014/1</b>	Supply of Equipment, Materials and related Services for Drilling and Completion of CBM Wells viz. Casings, Tubulars, Down hole tools, Oil Well Cement, Bits, Fishing tools, Well Heads & X-mas trees, Proppant sand, Chemicals & Additives, Sucker rods and accessories, Dewatering pumps, Artificial lift equipment, Rigs, Cementing, Testing, Completion, Coring, Casing running-in, Fishing services, Well stimulation, Hydro Fracturing etc. for development of CBM field
<b>DEV/CBM/GAG/2014/1</b>	Supply of Equipment, Materials and related Services for G&G viz. Gas desorption lab equipment, GPS, Topographical survey equipment, Slim hole, open & cased hole geophysical logging and perforation, Topographical & Seismic survey etc. for development of CBM field
<b>DEV/CBM/SF/2014/1</b>	Supply of Equipment, Material and related Services for development of CBM field viz, construction of well sites, gathering network and gas & water gathering stations for development of CBM field
<b>DEV/CBM/OTH/2014/1</b>	Miscellaneous services required for development of CBM field
<b>DEV/CBM/ITE/2014/1</b>	Supply of Equipment, Material and Services related to IT for development of CBM field
<b>DEV/CBM/HSE/2014/1</b>	Supply of Equipment, Material and Services related to HSE for development of CBM field
<b>OAM/CBM/2014/1</b>	Supply of Equipment, Materials, Spares and related Services for Operation and maintenance of CBM Wells, Gathering network, Gas and Water Gathering stations and infrastructure including logistics and administrative support.

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) indicating all above details through Post / Courier and also through e-mail on [cbmeoiresponse.eandp@ril.com](mailto:cbmeoiresponse.eandp@ril.com) on or before **10<sup>th</sup> October, 2014**. The Contractors who had earlier submitted their Expression of Interest for similar categories are also required to submit their Expression of Interest. The envelope should be superscribed as RIL/CBM/EOI/2014/02.

**Address for Communication:**

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## **Coal Bed Methane (CBM) Project**

Reliance Industries Limited (RIL), as operator, invites Expression of Interest (EOI) from reputed and experienced contractors/ suppliers/ consultants for the supply of equipment, material and services for CBM blocks SP(West)-CBM-2001/1 & SP(East)-CBM-2001/1 acquired under CBM Round-1 formulated by the Government of India.

The CBM blocks are located at in the state of Madhya Pradesh in India. RIL envisages drilling of approximately 100 number of production/test wells per year in next 5 years' time period with target depth ranging from 700 to 1700 meters, construction of gas and water gathering stations and gathering network.

The details of various categories for Equipment / Material / Services are as under:

<b>A) DEV/CBM/2014/01:</b> Supply of Equipment, Materials and related Services for Drilling and Completion of CBM Wells viz. Casings, Tubulars, Downhole tools, Oil Well Cement, Bits, Fishing tools, Well Heads & X-mas trees, Proppant sand, Chemicals & Additives, Sucker rods and accessories, Dewatering pumps, Artificial lift equipment, Rigs, Cementing, Testing, Completion, Coring, Casing running-in, Fishing services, Well stimulation, Hydro Fracturing etc. for development of CBM field.	
<b>DEV/CBM/DAC/2014/1.1</b>	Supply & Services of Core hole drilling rig for drilling wells with air and fluid flush and wireline retrievable coring.
<b>DEV/CBM/DAC/2014/1.2</b>	Supply and services of various capacity Drilling rigs for drilling vertical, directional and slant wells, capable of drilling with air/fluid flush having power rating up to 1200 HP.
<b>DEV/CBM/DAC/2014/1.3</b>	Supply and Services of Drilling rig for grouting false conductor up to 20m. 10" to 14" surface hole drilling rig (air & fluid flush) and Cementing (grouting) Services up to 350 meters.
<b>DEV/CBM/DAC/2014/1.4</b>	Well testing services and Rig for testing up to 1200m depth in both slim holes and standard wells.
<b>DEV/CBM/DAC/2014/1.5</b>	Supply and services of Completion/work over rig and flush by unit for servicing wells up to 1200m depth.
<b>DEV/CBM/DAC/2014/1.6</b>	Supply and Services of Cementing Unit and accessories.
<b>DEV/CBM/DAC/2014/1.7</b>	Horizontal and Directional Drilling services including radial drilling, inseam drilling etc.
<b>DEV/CBM/DAC/2014/1.8</b>	Hiring of air package (Boosters and compressors)
<b>DEV/CBM/DAC/2014/1.9</b>	Fishing services.
<b>DEV/CBM/DAC/2014/1.10</b>	Mud engineering services.
<b>DEV/CBM/DAC/2014/1.11</b>	Coring services.
<b>DEV/CBM/DAC/2014/1.12</b>	Supply and services of Coil tubing Unit and accessories.
<b>DEV/CBM/DAC/2014/1.13</b>	Casing/tubing running in services.
<b>DEV/CBM/DAC/2014/1.14</b>	Supply and services of Hydro – fracturing and well stimulation unit and accessories.
<b>DEV/CBM/DAC/2014/1.15</b>	Rotary Drilling bits, DTH air drilling hammer and bits, Coring bits, etc.
<b>DEV/CBM/DAC/2014/1.16</b>	Tubular, Casing/Tubings, ERW pipes.
<b>DEV/CBM/DAC/2014/1.17</b>	Down hole Tools (open/cased hole- packers, bridge plugs, cement retainers, scrappers, under reamer, bicenter bits, stabilizers, x-overs etc.)
<b>DEV/CBM/DAC/2014/1.18</b>	Oil well cement, Portland cement, Cementing additives.
<b>DEV/CBM/DAC/2014/1.19</b>	Well Head & Christmas Trees, Casing head, Tubing head and valves & spares.
<b>DEV/CBM/DAC/2014/1.20</b>	Mud chemicals and additives.
<b>DEV/CBM/DAC/2014/1.21</b>	Casing accessories, float shoe, float collars, centralisers, plugs, ball & baffle, Frac collars, casing thread compound, cement basket, stage

	collar etc.
<b>DEV/CBM/DAC/2014/1.22</b>	Drilling spools, DSA, flanges, etc.
<b>DEV/CBM/DAC/2014/1.23</b>	HW /HQ/NQ rod/Liners.
<b>DEV/CBM/DAC/2014/1.24</b>	Fishing tools including left hand strings.
<b>DEV/CBM/DAC/2014/1.25</b>	Coring liners, core barrels and accessories.
<b>DEV/CBM/DAC/2014/1.26</b>	Chemicals & additives for hydraulic fracturing including Artificial and natural Proppant sand, acid, radioactive and non-radioactive tracers.
<b>DEV/CBM/DAC/2014/1.27</b>	Lining sheets, water pumps, hoses, etc.
<b>DEV/CBM/DAC/2014/1.28</b>	Sucker Rods, Pony Rods, Sucker rod guides, accessories & tools.
<b>DEV/CBM/DAC/2014/1.29</b>	Down hole sucker rod pumps/Progressive cavity pumps (PCPs) and accessories/Electrical submersible pumps (ESPs) and accessories including any advance artificial lift system.
<b>DEV/CBM/DAC/2014/1.30</b>	Sucker rod pumping unit and stuffing box, polished rods, polished rod liners, flow Tee, polished rod clamps & Accessories.
<b>DEV/CBM/DAC/2014/1.31</b>	Electronic Memory Gauges /down hole gauges, cable and accessories.
<b>DEV/CBM/DAC/2014/1.32</b>	Auxiliary Equipment of rigs like drill pipes, drill collars, other BHA & bits, mud pumps, compressors, boosters, generators, BOP and accessories, fishing & handling tools, irons & hoses etc.
<b>DEV/CBM/DAC/2014/1.33</b>	Auxiliary Equipment like Frac iron, nucleonic gauge, Frac software, Frac tanks, Frac van, lab, transducers, cables, electronic panels, sand storage tank for Hydraulic Fracturing Fleet
<b>DEV/CBM/DAC/2014/1.34</b>	Filters and Filtering equipment.
<b>DEV/CBM/DAC/2014/1.35</b>	Software and hardware for Production, completion, stimulation, etc.
<b>DEV/CBM/DAC/2014/1.36</b>	NDT (Non Destructive Testing) Equipment
<b>DEV/CBM/DAC/2014/1.37</b>	Mobile and stationary mud tanks, Frac tanks, water tanks
<b>DEV/CBM/DAC/2014/1.38</b>	Mobile Lighting tower
<b>DEV/CBM/DAC/2014/1.39</b>	Mobile pumping unit.
<b>DEV/CBM/DAC/2014/1.40</b>	Supply of all types of API/ Non API Pumps (Centrifugal, Reciprocating, Screw Type, Plunger, Metering, Air Operated, Positive Displacement Type etc.)
<b>DEV/CBM/DAC/2014/1.41</b>	Well engineering and design services and hiring of specialist for drilling and completion of wells
<b>DEV/CBM/DAC/2014/1.42</b>	Consultancy services for buying capital equipment for drilling and completion
<b>DEV/CBM/DAC/2014/1.43</b>	Manpower services for rig site operation, management and supervision of drilling and completion spreads
<b>B) DEV/CBM/GAG/2014/1:</b> Supply of Equipment, Materials and related Services for G&G viz. Gas desorption lab equipment, GPS, Topographical survey equipment, Slim hole, open & cased hole geophysical logging and perforation, Topographical & Seismic survey etc. for development of CBM Field.	
<b>DEV/CBM/GAG/2014/1.1</b>	Supply and Services for Slimhole /Open hole/ cased hole geophysical logging and perforation.
<b>DEV/CBM/GAG/2014/1.2</b>	Coal analysis and CBM laboratory work with & without mobile lab facility.
<b>DEV/CBM/GAG/2014/1.3</b>	Ground/Aero magnetic survey. Seismic survey including shallow seismic survey
<b>DEV/CBM/GAG/2014/1.4</b>	Reserve estimate and Reserve certification.
<b>DEV/CBM/GAG/2014/1.5</b>	Topographical survey along with equipment, surface elevation and co-ordinate survey.
<b>DEV/CBM/GAG/2014/1.6</b>	Operation and Maintenance of all types of equipment related to geology, geophysics and reservoir engineering.
<b>DEV/CBM/GAG/2014/1.7</b>	Well testing and analysis of data leading to estimation of coal bed reservoir properties viz. permeability, reservoir pressure, skin etc.
<b>DEV/CBM/GAG/2014/1.8</b>	GPS and Differential GPS.

<b>DEV/CBM/GAG/2014/1.9</b>	Field and laboratory equipment for G&G and reservoir engineering including Gas desorption and quality control lab equipment (viz. gas chromatograph, turbidity meter, gas sampler, calorie meter, gas density meter, etc.)
<b>DEV/CBM/GAG/2014/1.10</b>	Hiring of explosive van.
<b>DEV/CBM/GAG/2014/1.11</b>	Reservoir Monitoring system.
<b>DEV/CBM/GAG/2014/1.12</b>	Production planning, monitoring, forecasting and reporting software such as OFM
<b>DEV/CBM/GAG/2014/1.13</b>	Services – Injection Fall-off testing, Tracer tests, production logging
<b>(C) DEV/CBM/SF/2014/1:</b> Supply of Equipment, Material and related Services for development of CBM field viz, construction of well sites, gathering network and gas & water gathering stations.	
<b>I. MECHANICAL PACKAGES &amp; EQUIPMENT</b>	
<b>DEV/CBM/SF/2014/1.1</b>	Air Compressor & dryer package up to 500 m <sup>3</sup> /hr - /Reciprocating – non-lubricated
<b>DEV/CBM/SF/2014/1.2</b>	Supply and services of Diesel and gas based generator sets of various capacities.
<b>DEV/CBM/SF/2014/1.3</b>	Skid mounted Reciprocating Gas Compressor package - Gas Engine / Motor Driven with related accessories including volume bottles , scrubbers, coolers, piping, valves, instruments, control system etc.
<b>DEV/CBM/SF/2014/1.4</b>	Reciprocating / Screw Gas Compressors for CBM gas compression application.
<b>DEV/CBM/SF/2014/1.5</b>	Gas Dehydration units - Skid mounted / Modular units
<b>DEV/CBM/SF/2014/1.6</b>	Gas Engine Generator package with related accessories
<b>DEV/CBM/SF/2014/1.7</b>	Skid mounted gas/water separator unit with separator vessel and related accessories including piping, valves, instruments etc.
<b>DEV/CBM/SF/2014/1.8</b>	Water Treatment / Effluent Treatment Plant
<b>DEV/CBM/SF/2014/1.9</b>	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.
<b>DEV/CBM/SF/2014/1.10</b>	Fire Water pumps - Engine/Motor driven (as per NFPA / OISD)
<b>DEV/CBM/SF/2014/1.11</b>	Flare System - Flare tip, Ignition system etc.
<b>DEV/CBM/SF/2014/1.12</b>	HVAC equipment and accessories.
<b>DEV/CBM/SF/2014/1.13</b>	Pressure vessels, Scrubbers & Separators.
<b>DEV/CBM/SF/2014/1.14</b>	API Pumps
<b>DEV/CBM/SF/2014/1.15</b>	Non-API Pumps
<b>DEV/CBM/SF/2014/1.16</b>	Air operated pumps etc.
<b>II. ELECTRICAL</b>	
<b>DEV/CBM/SF/2014/1.17</b>	LV Bus Duct
<b>DEV/CBM/SF/2014/1.18</b>	GI Cable trays & raceways - Ladder & perforated type with accessories
<b>DEV/CBM/SF/2014/1.19</b>	HV Power Cables
<b>DEV/CBM/SF/2014/1.20</b>	Aerial Bunched HV Power Cables
<b>DEV/CBM/SF/2014/1.21</b>	LV Power & Control Cables.
<b>DEV/CBM/SF/2014/1.22</b>	LV Power & Control Cables with DGMS approval.
<b>DEV/CBM/SF/2014/1.23</b>	Aerial Bunched LV Power Cables
<b>DEV/CBM/SF/2014/1.24</b>	Earthing Material including Earth electrode, lightning arrestor, earth strip, pit cover, etc.
<b>DEV/CBM/SF/2014/1.25</b>	Electrical Heat Tracing Systems
<b>DEV/CBM/SF/2014/1.26</b>	Lighting Fixtures (Office area)
<b>DEV/CBM/SF/2014/1.27</b>	Lighting Poles

<b>DEV/CBM/SF/2014/1.28</b>	Lighting Fixtures for Hazardous Area with DGMS approval
<b>DEV/CBM/SF/2014/1.29</b>	Industrial Lighting Fixtures
<b>DEV/CBM/SF/2014/1.30</b>	High Mast Lighting system
<b>DEV/CBM/SF/2014/1.31</b>	LV Electric Motors for non-hazardous area
<b>DEV/CBM/SF/2014/1.32</b>	LV Electric Motors for hazardous area with DGMS approval
<b>DEV/CBM/SF/2014/1.33</b>	Neutral Earthing Resistors with panel
<b>DEV/CBM/SF/2014/1.34</b>	Electrical Protection Relays
<b>DEV/CBM/SF/2014/1.35</b>	Soft Starters
<b>DEV/CBM/SF/2014/1.36</b>	Dry type Distribution Transformers
<b>DEV/CBM/SF/2014/1.37</b>	Oil filled Distribution Transformers
<b>DEV/CBM/SF/2014/1.38</b>	UPS System for IT & computers
<b>DEV/CBM/SF/2014/1.39</b>	UPS system for process area
<b>DEV/CBM/SF/2014/1.40</b>	Variable Frequency Drives with Panel
<b>DEV/CBM/SF/2014/1.41</b>	Batteries for UPS system – Lead Acid / VRLA/ NI-CD
<b>DEV/CBM/SF/2014/1.42</b>	HV Switchboards / Switchgears
<b>DEV/CBM/SF/2014/1.43</b>	LV Switchboards / Switchgears and Motor Control Centres / PMCC / PCC
<b>DEV/CBM/SF/2014/1.44</b>	Package substation for outdoor installation including transformer, HV/LV switchgear
<b>DEV/CBM/SF/2014/1.45</b>	Lighting and power distribution boards indoor / Outdoor installation
<b>DEV/CBM/SF/2014/1.46</b>	Hazardous area DGMS equipment like Push button station, sockets, JB's, etc.
<b>DEV/CBM/SF/2014/1.47</b>	Industrial type like Push button station, sockets, JB's, etc.
<b>III. INSTRUMENTATION</b>	
<b>DEV/CBM/SF/2014/1.48</b>	Supervisory Control And Data Acquisition System (SCADA) with related accessories including Remote Terminal Units, Solar power Panels, Radio communication units etc.
<b>DEV/CBM/SF/2014/1.49</b>	Instrument Cable
<b>DEV/CBM/SF/2014/1.50</b>	Fibre optic cable along with installation accessories - LIUs, Patch cords, trays, connectors, HDPE Conduits etc.
<b>DEV/CBM/SF/2014/1.51</b>	Custody transfer flow meter skid for Gas
<b>DEV/CBM/SF/2014/1.52</b>	Supply of Flow meters
<b>DEV/CBM/SF/2014/1.53</b>	Instrument Fittings, Tubings, Multicable Transits, Instrument Canopies, Manifolds, and other miscellaneous bulks
<b>DEV/CBM/SF/2014/1.54</b>	Supply of all kinds of Control Valves along with accessories, Isolation / Shut-down valves - actuators, motor or pneumatic or Solenoid operated. Safety relief/slam shut off/Vent/Tank breather/ Dump Valves
<b>DEV/CBM/SF/2014/1.55</b>	Instrumentation Junction Boxes
<b>DEV/CBM/SF/2014/1.56</b>	Level controllers - Pneumatic actuated with local controller, air filter regulator and valve
<b>DEV/CBM/SF/2014/1.57</b>	Orifice Plates , Restriction Orifice & Meter Run Assy.
<b>DEV/CBM/SF/2014/1.58</b>	Temperature Elements with Thermo-well
<b>DEV/CBM/SF/2014/1.59</b>	Transmitters - Pressure, Diff Pressure, Radar Level along with manifolds & associated accessories, Temperature Transmitter
<b>DEV/CBM/SF/2014/1.60</b>	Gauges – Pressure, Differential Pressure, Temperature & Level
<b>DEV/CBM/SF/2014/1.61</b>	Control Room Consoles / Furniture
<b>DEV/CBM/SF/2014/1.62</b>	Fire & Gas system and associated field devices & accessories
<b>DEV/CBM/SF/2014/1.63</b>	Corrosion Monitoring System including supply of probes, coupons, retrieval system and other data recording & monitoring devices.

<b>IV. PIPING &amp; PIPELINE</b>	
<b>DEV/CBM/SF/2014/1.64</b>	Cathodic Protection systems for pipelines
<b>DEV/CBM/SF/2014/1.65</b>	Coatings and Wrappings for corrosion protection of pipelines
<b>DEV/CBM/SF/2014/1.66</b>	GRE Pipes & Fittings
<b>DEV/CBM/SF/2014/1.67</b>	Insulation for piping / Equipment / Vessels
<b>DEV/CBM/SF/2014/1.68</b>	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.
<b>DEV/CBM/SF/2014/1.69</b>	Pig launchers, receivers and any allied materials.
<b>DEV/CBM/SF/2014/1.70</b>	Poly Ethylene (PE) pipes for Gas & Water services
<b>DEV/CBM/SF/2014/1.71</b>	CS Forgings (Bleed rings/spacers/blinds etc.)
<b>DEV/CBM/SF/2014/1.72</b>	Expansion Bellows
<b>DEV/CBM/SF/2014/1.73</b>	CS /AS/ SS Fittings and Flanges
<b>DEV/CBM/SF/2014/1.74</b>	Flame Arrestors
<b>DEV/CBM/SF/2014/1.75</b>	Gaskets
<b>DEV/CBM/SF/2014/1.76</b>	Hangers and Spring Supports
<b>DEV/CBM/SF/2014/1.77</b>	Hoses & Couplings
<b>DEV/CBM/SF/2014/1.78</b>	Injection Quills
<b>DEV/CBM/SF/2014/1.79</b>	Insulating Joints/Insulating Kit / Gaskets
<b>DEV/CBM/SF/2014/1.80</b>	Paints
<b>DEV/CBM/SF/2014/1.81</b>	CS / GI /AS/ SS Pipes /Line pipes
<b>DEV/CBM/SF/2014/1.82</b>	Safety Showers and Eye wash
<b>DEV/CBM/SF/2014/1.83</b>	Sample Coolers
<b>DEV/CBM/SF/2014/1.84</b>	Sight Glass
<b>DEV/CBM/SF/2014/1.85</b>	CS / SS Strainers
<b>DEV/CBM/SF/2014/1.86</b>	Stud Bolts & Nuts
<b>DEV/CBM/SF/2014/1.87</b>	Valves / Traps, Gas / Air relief , CS / SS
<b>DEV/CBM/SF/2014/1.88</b>	CS / SS Ball/Butterfly/ Extended Spindle/ Needle/Plug Valves
<b>DEV/CBM/SF/2014/1.89</b>	CS / SS Gate, Globe & Check Valves
<b>DEV/CBM/SF/2014/1.90</b>	CS Fittings for line pipe, Barred tees, Long radius elbow / bends etc. for Piggable lines
<b>DEV/CBM/SF/2014/1.91</b>	CS Isolation Valves for Piggable Lines
<b>DEV/CBM/SF/2014/1.92</b>	Valves, Penstock, Sluice Gate etc.
<b>DEV/CBM/SF/2014/1.93</b>	Supply & apply of Internal lining for CS pipes for corrosion protection
<b>DEV/CBM/SF/2014/1.94</b>	Electrodes of different grades and size, Fluxes, Gases for welding & cutting and other welding & cutting accessories.
<b>V. SECURITY SERVICES and AUTOMATION</b>	
<b>DEV/CBM/SF/2014/1.95</b>	Security Automation & Management System comprising of a. Access Control System; b. Video Surveillance System; c. Perimeter Intrusion Detection System and d. Alarm System
<b>DEV/CBM/SF/2014/1.96</b>	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>VI. CIVIL/INFRASTRUCTURE</b>	
<b>DEV/CBM/SF/2014/1.97</b>	Portable, Modular Office and Warehouse, Containers and Office Furniture and Office Automation Equipment and other capital goods.
<b>DEV/CBM/SF/2014/1.98</b>	Construction of wellsite, Approach road and Gas/Water Gathering Station, Buildings, Industrial structures, Slope protection, Drainage, Bridges & Culverts, Roads, etc.
<b>DEV/CBM/SF/2014/1.99</b>	Construction materials such as cements, sands and aggregates.
<b>DEV/CBM/SF/2014/1.100</b>	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.
<b>DEV/CBM/SF/2014/1.101</b>	Hard topping/tar matting of roads and Supply of bitumen & asphalt Concretes.
<b>DEV/CBM/SF/2014/1.102</b>	Construction of warehouse, office accommodation and related civil, electrical and mechanical works.
<b>DEV/CBM/SF/2014/1.103</b>	Precast Concrete Poles, Members, footings, Sections, Skids with partial steel and concrete members
<b>DEV/CBM/SF/2014/1.104</b>	Construction services for Installation of Cross Country Pipelines (CS/HDPE)
<b>DEV/CBM/SF/2014/1.105</b>	Drilling of Bore-wells for Water Supply
<b>VII. SERVICES FOR CBM FIELD DEVELOPMENT</b>	
<b>DEV/CBM/SF/2014/1.107</b>	Conceptual Studies and Front End Engineering Design for field development.
<b>DEV/CBM/SF/2014/1.108</b>	Detailed Engineering of field development including associated Onshore facilities.
<b>DEV/CBM/SF/2014/1.109</b>	Project Management Consultancy Services.
<b>DEV/CBM/SF/2014/1.110</b>	Services of System Integrator and Technology Partner for delivery of IT solutions and Technology Implementation to CBM Business.
<b>DEV/CBM/SF/2014/1.111</b>	Design Review, Appraisal, Certification and Verification Agency for facilities.
<b>DEV/CBM/SF/2014/1.112</b>	Reliability, Availability, Maintainability Studies.
<b>DEV/CBM/SF/2014/1.113</b>	Geo-technical Surveys / Soil Investigation.
<b>DEV/CBM/SF/2014/1.114</b>	Engineering, Procurement & Construction for 33 kV/11 kV/415 V substation including overhead line, switchyard, S/S Bldg., Main Power Distribution and associated electrical works
<b>DEV/CBM/SF/2014/1.115</b>	EPC for Lighting and electrification of roads, building including DBs, cables, masts, Electrical fittings, & accessories
<b>DEV/CBM/SF/2014/1.116</b>	Hiring of rock cutting machine, blasting machine, Excavators, Pipe lay booms, Trucks, Trailers etc.
<b>DEV/CBM/SF/2014/1.117</b>	Geo-Technical surveys, Topography survey, River Hydraulic Studies.
<b>DEV/CBM/SF/2014/1.118</b>	Third Party Inspection (TPI) for Quality Control & Assurance
<b>DEV/CBM/SF/2014/1.119</b>	Services for Right of User (ROU)
<b>DEV/CBM/SF/2014/1.120</b>	Services for Gas Dispersion Analysis
<b>(D) DEV/CBM/OTH/2014/1:</b> Miscellaneous services required for development of CBM field.	
<b>DEV/CBM/OTH/2014/1.1</b>	Supply and Services for Aviation fuel and spares for helicopter.
<b>DEV/CBM/OTH/2014/1.2</b>	Helicopter and its accessories.
<b>DEV/CBM/OTH/2014/1.3</b>	Providing CHA services
<b>DEV/CBM/OTH/2014/1.4</b>	Providing Freight forwarding services
<b>DEV/CBM/OTH/2014/1.5</b>	Providing Transportation services
<b>DEV/CBM/OTH/2014/1.6</b>	Hiring of P&M equipment like Crane, Hydra, forklift, trailer, truck, tempo etc.

<b>DEV/CBM/OTH/2014/1.7</b>	Air transportation of personnel and Chartering Helicopters.
<b>DEV/CBM/OTH/2014/1.8</b>	Services for O&M of helicopter.
<b>DEV/CBM/OTH/2014/1.9</b>	Hiring of closed and covered warehouse, open storage yard, office accommodation with or without associated manpower, equipment and services.
<b>DEV/CBM/OTH/2014/1.10</b>	Consultancy services for infrastructure development.
<b>DEV/CBM/OTH/2014/1.11</b>	Consultancy services for land acquisition.
<b>DEV/CBM/OTH/2014/1.12</b>	Consultancy services for CBM production and surface facilities.
<b>DEV/CBM/OTH/2014/1.13</b>	Consulting companies engaged in - designing & supervision for power distribution system for gas based facilities.
<b>DEV/CBM/OTH/2014/1.14</b>	Consultancy for CSR.
<b>DEV/CBM/OTH/2014/1.15</b>	Consultancy companies engaged in gas marketing survey/distribution system.
<b>DEV/CBM/OTH/2014/1.16</b>	Consulting companies engaged in - designing & supervision for construction of GGS (Group Gathering Station) / Compressors / Pipeline/ land survey.
<b>DEV/CBM/OTH/2014/1.17</b>	Consultancy companies engaged in pipeline route survey for trunkline/pipeline.
<b>DEV/CBM/OTH/2014/1.18</b>	Consultancy for designing and installation of fire detection and protection system.
<b>DEV/CBM/OTH/2014/1.19</b>	Consultancy for certifying agency.
<b>DEV/CBM/OTH/2014/1.20</b>	Consultancy services for liasioning and statutory approvals.
<b>DEV/CBM/OTH/2014/1.21</b>	Consultancy services for creation of explosive storage yard and movement facilities.
<b>DEV/CBM/OTH/2014/1.22</b>	Supply of unskilled, skilled and specialized manpower and related services.
<b>DEV/CBM/OTH/2014/1.23</b>	Hiring of consultant for legal services.
<b>(E) DEV/CBM/ITE/2014/1:</b> Supply of Equipment, Material and Services related to Information Technology (IT) for development of CBM field	
<b>DEV/CBM/ITE/2014/1.1</b>	Services and maintenance of hardware and software related to geology, geophysics and reservoir engineering.
<b>DEV/CBM/ITE/2014/1.2</b>	VSAT / wireless connectivity survey for GGS.
<b>DEV/CBM/ITE/2014/1.3</b>	UHF/VHF radio communication system, repeaters, mast, antenna and towers.
<b>DEV/CBM/ITE/2014/1.4</b>	Routers/ Switches/ Network equipment for communication system.
<b>DEV/CBM/ITE/2014/1.5</b>	Equipment and software for communication system.
<b>DEV/CBM/ITE/2014/1.6</b>	Services for land information system (LIS).
<b>DEV/CBM/ITE/2014/1.7</b>	Software and hardware for E&P database.
<b>DEV/CBM/ITE/2014/1.8</b>	Geological, geophysical and reservoir Software/hard ware.
<b>DEV/CBM/ITE/2014/1.9</b>	Software and hardware for data management, drilling, mud engineering, cementing, HSE, etc.
<b>DEV/CBM/ITE/2014/1.10</b>	Software and hardware for Production, completion, stimulation, etc.
<b>DEV/CBM/ITE/2014/1.11</b>	Software and hardware for material management.
<b>DEV/CBM/ITE/2014/1.12</b>	Production Simulation system.
<b>(F) DEV/CBM/HSE/2014/1:</b> Supply of Equipment, Material and Services related to HSE for development of CBM field	
<b>DEV/CBM/HSE/2014/1.1</b>	Environmental Impact studies, Risk assessment, Environmental audit, Environmental monitoring, Ground water level monitoring, Land subsidence movement monitoring, Emergency Response Plans, Safety Studies.



<b>DEV/CBM/HSE/2014/1.2</b>	Occupational health surveillance and medical check-ups
<b>DEV/CBM/HSE/2014/1.3</b>	Development and maintenance of green belt.
<b>DEV/CBM/HSE/2014/1.4</b>	Servicing and maintenance of firefighting and allied equipment.
<b>DEV/CBM/HSE/2014/1.5</b>	Man power supply for Firefighting / medical services.
<b>DEV/CBM/HSE/2014/1.6</b>	Safety auditing, Services for safety management at the worksites.
<b>DEV/CBM/HSE/2014/1.7</b>	Services and training material for Training on HSEF related topics.
<b>DEV/CBM/HSE/2014/1.8</b>	Testing and inspection of lifting equipment, tools and tackles, pressure vessels, etc.
<b>DEV/CBM/HSE/2014/1.9</b>	Collection, transportation and disposal of hazardous waste / material as per guidelines of applicable pollution control board and submission of disposal certificates.
<b>DEV/CBM/HSE/2014/1.10</b>	Environment monitoring equipment, Noise meter, High Volume Sampler, Stack monitoring kit, water monitoring kit etc.
<b>DEV/CBM/HSE/2014/1.11</b>	Personal Protective Equipment (respiratory and Non respiratory), Safety equipment, Fire blankets, Wind socks, Eye Wash Stations, Safety Showers, Safety Torches, Safety Belt and Harness, Distress Call Unit, Public Address System, Barricading Tapes, etc.
<b>DEV/CBM/HSE/2014/1.12</b>	Fire Protection Equipment - Fire Fighting Pumps (both portable and Stationary), Ultra High Pressure Fire Protection System, Fire hoses, Hydrant Valves, Pressure Control Device, Fittings, Hose Reel & Accessories, Cabinets, Nozzles, Monitor, Deluge valves, Sprinkler system, Fire buckets, and other miscellaneous firefighting equipment.
<b>DEV/CBM/HSE/2014/1.13</b>	Fire Extinguishers (Portable and trolley mounted)
<b>DEV/CBM/HSE/2014/1.14</b>	Fire Siren and Hooters
<b>DEV/CBM/HSE/2014/1.15</b>	Self-Contained Breathing Apparatus (SCBA)
<b>DEV/CBM/HSE/2014/1.16</b>	Rescue Tools during Fire and Emergency (battery and hydraulically operated), Light mast (Fixed, Inflatable)
<b>DEV/CBM/HSE/2014/1.17</b>	Portable Gas Detectors and accessories
<b>DEV/CBM/HSE/2014/1.18</b>	Multi-purpose Fire Tender and other specialised Fire Protection Vehicles
<b>DEV/CBM/HSE/2014/1.19</b>	All equipment for fire station, hose winding machine, pump for conducting HPT of portable fire extinguishers, Machine for refilling the stored pressure type extinguishers, SCBA cylinders refilling pumps, etc.
<b>DEV/CBM/HSE/2014/1.20</b>	Ambulances and medical facilities.
<b>DEV/CBM/HSE/2014/1.21</b>	Equipment, Instruments and chemicals for effluent/water/waste treatment plant.
<b>DEV/CBM/HSE/2014/1.22</b>	Clean Agent Fire Suppression System (CO <sub>2</sub> , Argonite, FM-200 or any other clean agent)
<b>DEV/CBM/HSE/2014/1.23</b>	Building fire alarm system.
<b>DEV/CBM/HSE/2014/1.24</b>	Potable water treatment Package.
<b>DEV/CBM/HSE/2014/1.25</b>	Sewage treatment plant.
<b>DEV/CBM/HSE/2014/1.26</b>	Services for management of municipal waste, Biological waste, E – waste, garbage and other types of solid wastes
<b>DEV/CBM/HSE/2014/1.27</b>	AFFF - 30% Foam Concentrate
<b>DEV/CBM/HSE/2014/1.28</b>	Dry Chemical Powder (DCP)
<b>DEV/CBM/HSE/2014/1.29</b>	Deluge Valves with pressure switches and solenoid valves
<b>DEV/CBM/HSE/2014/1.30</b>	Alarm Valve with retarding Chambers and Water Gong.
<b>DEV/CBM/HSE/2014/1.31</b>	Potable water treatment Package
<b>DEV/CBM/HSE/2014/1.32</b>	Fireproofing Material
<b>DEV/CBM/HSE/2014/1.33</b>	Safety Signage

<b>(G) OAM/CBM/2014/1:</b> Supply of Equipment, Materials, Spares and related Services for Operation and maintenance of CBM Wells, Gathering network, Gas and Water Gathering stations and infrastructure including logistics and administrative support.	
<b>OAM/CBM/OAM/2014/1.1</b>	Services for Maintenance of Mechanical Equipment & Systems (Rotary & Static).
<b>OAM/CBM/OAM/2014/1.2</b>	Services for Maintenance of Electrical Equipment & Systems.
<b>OAM/CBM/OAM/2014/1.3</b>	Services for Maintenance of Instrumentation Systems.
<b>OAM/CBM/OAM/2014/1.4</b>	Services for Building Maintenance and Associated Civil Construction & Maintenance jobs.
<b>OAM/CBM/OAM/2014/1.5</b>	Services for Fabrication of Piping & Structural Works.
<b>OAM/CBM/OAM/2014/1.6</b>	Services for Operation & Maintenance of Information Technology Assets.
<b>OAM/CBM/OAM/2014/1.7</b>	Services for Operation and Maintenance of Guest House/warehouse/office etc. including catering and hospitality services.
<b>OAM/CBM/OAM/2014/1.8</b>	Pipeline pigging and Repair services (PE & CS)
<b>OAM/CBM/OAM/2014/1.9</b>	Inspection and NDT of casing pipes, tubing and other drilling stores.
<b>OAM/CBM/OAM/2014/1.10</b>	Production Testing Services.
<b>OAM/CBM/OAM/2014/1.11</b>	NDT (Non Destructive Testing) services.
<b>OAM/CBM/OAM/2014/1.12</b>	Mobile water tanker services.
<b>OAM/CBM/OAM/2014/1.13</b>	Mobile pumping unit services.
<b>OAM/CBM/OAM/2014/1.14</b>	Services for Industrial Plant Painting Jobs.
<b>OAM/CBM/OAM/2014/1.15</b>	Services for Integrated facility management.
<b>OAM/CBM/OAM/2014/1.16</b>	Integrated maintenance services covering all the disciplines for equipment like Gas Engine Generator, Compressor, Gas Dehydration Unit etc.
<b>OAM/CBM/OAM/2014/1.17</b>	Services for Operation & Maintenance of Water treatment and Purification Plant such as ETP, Fire Water System etc.
<b>OAM/CBM/OAM/2014/1.18</b>	Services of Material Handling Equipment such as Crane, Hydra crane, Fork lift, Trailers, Trucks and Pickup vans etc.
<b>OAM/CBM/OAM/2014/1.19</b>	Services for Operation & Maintenance of Fire Station.
<b>OAM/CBM/OAM/2014/1.20</b>	Services for repair and fabrication of equipment.
<b>OAM/CBM/OAM/2014/1.21</b>	Maintenance services for laboratory
<b>OAM/CBM/OAM/2014/1.22</b>	Services for pipeline maintenance
<b>OAM/CBM/OAM/2014/1.23</b>	Repair and Maintenance Services for ROU
<b>OAM/CBM/OAM/2014/1.24</b>	Manpower services along with tools and tackles covering all the disciplines
<b>OAM/CBM/OAM/2014/1.25</b>	Services for Maintenance of HVAC systems and A/C's
<b>OAM/CBM/OAM/2014/1.26</b>	Services for Employee transportation services through A/C buses / LMVs
<b>OAM/CBM/OAM/2014/1.27</b>	Services for Green belt maintenance and horticulture works
<b>OAM/CBM/OAM/2014/1.28</b>	Slick Line/ Wire line services.
<b>OAM/CBM/OAM/2014/1.29</b>	Acidisation services.
<b>OAM/CBM/OAM/2014/1.30</b>	Workshop facility and its operation and maintenance.
<b>OAM/CBM/OAM/2014/1.31</b>	Supply of mechanical, instrumentation and electrical tools and tackles.
<b>OAM/CBM/OAM/2014/1.32</b>	Supply of mechanical consumables like grease, cotton wastes, buckets, tray, funnel etc.
<b>OAM/CBM/OAM/2014/1.33</b>	Supply of Electrical consumables like lamps, tubings, cables, glands etc.

<b>OAM/CBM/OAM/2014/1.34</b>	Supply of workshop equipment like mini lathe, hydraulic press, power hacksaw, power drill etc.
<b>OAM/CBM/OAM/2014/1.35</b>	Supply of GRE pipes & fittings.
<b>OAM/CBM/OAM/2014/1.36</b>	Supply and Installation of Flare Package/ Nitrogen/CO2 Generation Package/ Liquid Nitrogen- Storage and vaporisation System.
<b>OAM/CBM/OAM/2014/1.37</b>	Supply of all kind of Gas/Water flow meters.
<b>OAM/CBM/OAM/2014/1.38</b>	Supply of earthing materials.
<b>OAM/CBM/OAM/2014/1.39</b>	Supply of Batteries.
<b>OAM/CBM/OAM/2014/1.40</b>	Supply and erection of Scaffolding
<b>OAM/CBM/OAM/2014/1.41</b>	Supply of high mast lighting system.
<b>OAM/CBM/OAM/2014/1.42</b>	Supply of soil for horticulture and other purposes
<b>OAM/CBM/OAM/2014/1.43</b>	Supply of different types of chemicals used in CBM operations.
<b>OAM/CBM/OAM/2014/1.44</b>	Supply of Fuel (LDO/HSD/HF-HSD) and related services at various bases and sites.
<b>OAM/CBM/OAM/2014/1.45</b>	Supply of Aviation Turbine Fuel Jet 1 Grade, used in the Helicopter operation (Air logistic)
<b>OAM/CBM/OAM/2014/1.46</b>	Supply of all types of Lubricants and related services.
<b>OAM/CBM/OAM/2014/1.47</b>	Supply of all types of Chemicals for Utility Systems.
<b>OAM/CBM/OAM/2014/1.48</b>	Supply of MEG/TEG.
<b>OAM/CBM/OAM/2014/1.49</b>	Supply of different grades and sizes of electrodes, Fluxes, Welding, Shielding & cutting gases and Welding & cutting accessories etc.
<b>OAM/CBM/OAM/2014/1.50</b>	Supply of material handling tools, Slings, Wire, Ropes, Chains, Jacks, Pulleys etc.
<b>OAM/CBM/OAM/2014/1.51</b>	Flanges, Reducers, X -Overs, studs, Nuts & bolts, Gaskets etc.
<b>OAM/CBM/OAM/2014/1.52</b>	All light fixtures & fittings, Lightings fixtures, Junction box & Switches including flame proof.
<b>OAM/CBM/OAM/2014/1.53</b>	Gas and water composition analysis Instrument/Laboratory equipment.
<b>OAM/CBM/OAM/2014/1.54</b>	PE fittings and PE electrofusion / Buttfusion machines & tools.
<b>OAM/CBM/OAM/2014/1.55</b>	Supply of pressure gauges, Temperature gauges, Level gauges, Pressure transmitters, Temperature transmitters, Level transmitters.
<b>OAM/CBM/OAM/2014/1.56</b>	Chickson pipes, bends, swivels, quick couplers, hammer unions etc.
<b>OAM/CBM/OAM/2014/1.57</b>	Supply of all types of laboratory equipment and Instruments.
<b>OAM/CBM/OAM/2014/1.58</b>	Supply of tank breather valves/vent valves.
<b>OAM/CBM/OAM/2014/1.59</b>	Supply of ON/OFF valves (Motor Operated/ Actuator Controlled).
<b>OAM/CBM/OAM/2014/1.60</b>	Acoustic Fluid Level measuring Instrument.
<b>OAM/CBM/OAM/2014/1.61</b>	Flow and control Instrumentation, orifice plate assembly, instrument tube fittings & valves etc.
<b>OAM/CBM/OAM/2014/1.62</b>	Hanger support & U Bolts.
<b>OAM/CBM/OAM/2014/1.63</b>	Alarm valve with retarding chambers and water gong.
<b>OAM/CBM/ADM/2014/1.64</b>	Blast resistant doors.
<b>OAM/CBM/ADM/2014/1.65</b>	Fireproofing material
<b>OAM/CBM/ADM/2014/1.66</b>	D.M. water package.
<b>OAM/CBM/ADM/2014/1.67</b>	Packing materials, Tarpaulins, PVC/GI sheets.
<b>OAM/CBM/OAM/2014/1.68</b>	Hiring of Goods, Equipment and Materials like Pumps, Air Compressors etc. including accessories required at various bases and sites.
<b>OAM/CBM/OAM/2014/1.69</b>	Operation and maintenance of CBM wells by providing manpower, equipment and spares.
<b>OAM/CBM/ADM/2014/1.70</b>	Training of manpower , supply of Periodicals, Literature and books
<b>OAM/CBM/ADM/2014/1.71</b>	Providing miscellaneous services like Vehicle hiring, Catering,

	Manpower supply, Structural and mechanical fabrication etc. at various bases and sites.
<b>OAM/CBM/ADM/2014/1.72</b>	Hiring of Plant & Machinery, Material Handling Equipment and related Services required at various bases and sites. viz. Cranes, Hydra, Forklifts etc.
<b>OAM/CBM/ADM/2014/1.73</b>	Supply and Services of Material Handling equipment - EOT Cranes/Hoists/Chain Pulley Blocks etc.
<b>OAM/CBM/ADM/2014/1.74</b>	Hiring of trucks, trailers and tankers for movement of material from and to different locations in India.
<b>OAM/CBM/ADM/2014/1.75</b>	Providing guest house with or without catering, or hotel rooms and associated travel and accommodation related services.

Interested Contractor for pre-qualification are required to submit the following information for above categories:

- Experience in last 10 years for the scope for which Contractor intends to submit EOI. Contractors to provide details of work executed, order value and salient features of the work executed.
- Details of resources available with Contractor 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 equipment supplier / service provider.

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

<b><u>SUMMARY SHEET</u></b>								
<b><u>[TO BE SUBMITTED ON A CD &amp; TWO HARD COPIES]</u></b>								
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 (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)

**Note: Preference will be given to ISO certified Organisations.**

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) indicating all above details through Post / Courier and also through e-mail on [cbmeioresponse.eandp@ril.com](mailto:cbmeioresponse.eandp@ril.com) on or before **10<sup>th</sup> October, 2014**. The Contractors who had earlier submitted their Expression of Interest for similar categories are also required to submit their Expression of Interest. The envelope should be superscribed as RIL/CBM/EOI/2014/02.

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