



**Reliance Industries Limited**  
**Notice Inviting Expression of Interest**  
**(RIL/CBM/EOI/2018/03)**  
**(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) from reputed and experienced Contractors for following categories for CBM blocks SP(West)-CBM-2001/1 & SP(East)-CBM-2001/1:

<b>Category No</b>	<b>Category Description</b>
DEV/CBM/DAC/2018/1	Supply of Equipment & Material and provision of Services for Drilling and Completion of CBM Wells for development of CBM field
DEV/CBM/GAG/2018/1	Supply of Equipment & Material and provision of Services for G&G for development of CBM field
DEV/CBM/SF/2018/1	Supply of Equipment & Material and provision of Services for facilities development of CBM field viz, construction of well sites, gathering network and gas & water gathering stations
DEV/CBM/OTH/2018/1	Miscellaneous services required for development of CBM field
DEV/CBM/ITE/2018/1	Supply of Equipment & Material and provision of Services related to IT for development of CBM field
DEV/CBM/HSE/2018/1	Supply of Equipment & Material and provision of Services related to HSE for development of CBM field

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/DVD) with all details through Post / Courier and also through e-mail on [cbmeioresponse.eandp@ril.com](mailto:cbmeioresponse.eandp@ril.com) on or before **8<sup>th</sup> May, 2018**. The envelope should be superscribed as RIL/CBM/EOI/2018/03 along with category number.

**Address for Communication:**

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CIN: L17110MH1973PLC019786

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

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

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/DAC/2018/01:</b> Supply of Equipment & Material and provision of Services for Drilling and Completion of CBM Wells viz. Casings, Tubulars, Down hole tools, Oil Well Cement, Portland cement, Bits, Fishing tools, Well Heads & X-mas trees, valves, chokes, 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/2018/1.1</b>	Core hole drilling rig services for drilling wells with air well as fluid flush and having wireline retrievable coring capacity.
<b>DEV/CBM/DAC/2018/1.2</b>	Various capacity Drilling rigs services 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/2018/1.3</b>	Drilling rig services for grouting false conductor up to 20m, Drilling 10" to 14" surface hole (air & fluid flush) up to 350 meters and Cementing (grouting) of casing.
<b>DEV/CBM/DAC/2018/1.4</b>	Well testing services and Rig for testing up to 1200m depth in both slim holes and standard wells.
<b>DEV/CBM/DAC/2018/1.5</b>	Supply and services of Completion/work over rig and flush by unit for servicing wells up to 1200m depth.
<b>DEV/CBM/DAC/2018/1.6</b>	Cementing services along with chemicals & additives.
<b>DEV/CBM/DAC/2018/1.7</b>	Horizontal and Directional Drilling services including radial drilling, inseam drilling etc.
<b>DEV/CBM/DAC/2018/1.8</b>	Hiring of air package (Boosters and compressors)
<b>DEV/CBM/DAC/2018/1.9</b>	Fishing services.
<b>DEV/CBM/DAC/2018/1.10</b>	Mud engineering service along with chemicals & additives
<b>DEV/CBM/DAC/2018/1.11</b>	Coring services.
<b>DEV/CBM/DAC/2018/1.12</b>	Coil tubing Unit services.
<b>DEV/CBM/DAC/2018/1.13</b>	Casing/tubing running-in services.
<b>DEV/CBM/DAC/2018/1.14</b>	Hydro - fracturing / well stimulation services along with chemicals & additives
<b>DEV/CBM/DAC/2018/1.15</b>	Rotary Drilling bits, DTH air drilling hammer and bits, Coring bits, etc.
<b>DEV/CBM/DAC/2018/1.16</b>	Casing/ Tubings, ERW pipes and other tubulars.
<b>DEV/CBM/DAC/2018/1.17</b>	Down hole Tools (open/cased hole- packers, bridge plugs, cement retainers, scrappers, under reamer, bicenter bits, stabilizers, x-overs etc.), liner hangers, completions tools, well interventions tools,
<b>DEV/CBM/DAC/2018/1.18</b>	Oil well cement, Portland cement, other special cement, cementing chemical and additive
<b>DEV/CBM/DAC/2018/1.19</b>	Well Head & Christmas Trees, Casing head, Tubing head and valves, choke, spools & spares.
<b>DEV/CBM/DAC/2018/1.20</b>	Mud chemicals and additives, other chemicals and additives
<b>DEV/CBM/DAC/2018/1.21</b>	Casing accessories including but not limited to float shoe, float collars, centralisers, plugs, ball & baffle, Frac collars, casing thread compound, cement basket, stage collar etc.
<b>DEV/CBM/DAC/2018/1.22</b>	Drilling spools, DSA, flanges, etc.
<b>DEV/CBM/DAC/2018/1.23</b>	HW /HQ/NQ rod/Liners and other coring related rods/liners

<b>DEV/CBM/DAC/2018/1.24</b>	Fishing tools including left hand strings.
<b>DEV/CBM/DAC/2018/1.25</b>	Coring liners, core barrels and accessories.
<b>DEV/CBM/DAC/2018/1.26</b>	Chemicals & additives for hydraulic fracturing including Artificial and natural Proppant sand, acids, radioactive and non-radioactive tracers.
<b>DEV/CBM/DAC/2018/1.27</b>	Lining sheets, water pumps, hoses, etc.
<b>DEV/CBM/DAC/2018/1.28</b>	Sucker Rods, Pony Rods, Sucker rod guides, accessories & tools.
<b>DEV/CBM/DAC/2018/1.29</b>	Down hole sucker rod pumps/Progressive cavity pumps (PCPs) and accessories/Electrical submersible pumps (ESPs) and their accessories both surface and down hole, including any advance artificial lift system
<b>DEV/CBM/DAC/2018/1.30</b>	Sucker rod pumping unit and stuffing box, polished rods, polished rod liners, flow Tee, polished rod clamps & Accessories, sucker rod BOP,
<b>DEV/CBM/DAC/2018/1.31</b>	Electronic Memory Gauges /down hole gauges, cable and accessories.
<b>DEV/CBM/DAC/2018/1.32</b>	Auxiliary Equipment of rigs like drill pipes, drill collars, other BHA & bits, mud pumps, compressors, boosters, generators, BOP and accessories, kill and choke manifold, fishing & handling tools, irons & hoses etc.
<b>DEV/CBM/DAC/2018/1.33</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/2018/1.34</b>	Filters and Filtering equipment.
<b>DEV/CBM/DAC/2018/1.35</b>	Software and hardware for Production, completion, stimulation, etc.
<b>DEV/CBM/DAC/2018/1.36</b>	NDT (Non Destructive Testing) services, Equipment for NDT,
<b>DEV/CBM/DAC/2018/1.37</b>	Mobile and stationary mud tanks, Frac tanks, water tanks
<b>DEV/CBM/DAC/2018/1.38</b>	Mobile Lighting tower
<b>DEV/CBM/DAC/2018/1.39</b>	Mobile pumping unit services including Acid pumping services
<b>DEV/CBM/DAC/2018/1.40</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/2018/1.41</b>	Well engineering and design services and hiring of specialist for drilling and completion of wells
<b>DEV/CBM/DAC/2018/1.42</b>	Consultancy services for buying capital equipment for drilling and completion
<b>DEV/CBM/DAC/2018/1.43</b>	Manpower services for rig site operation, management and supervision of drilling and completion spreads, artificial lift operations, etc
<b>DEV/CBM/DAC/2018/1.44</b>	Air compressor and Nitrogen services
<b>DEV/CBM/DAC/2018/1.45</b>	Hiring of miscellaneous services for CBM drilling and completion
<b>DEV/CBM/DAC/2018/1.46</b>	Purchase of Core hole drilling rig for drilling wells with air and fluid flush and wireline retrievable coring.
<b>DEV/CBM/DAC/2018/1.47</b>	Purchase 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/2018/1.48</b>	Purchase of Completion/work over rig and flush by unit for servicing wells up to 1200m depth.
<b>DEV/CBM/DAC/2018/1.49</b>	Purchase of Cementing Unit and accessories.
<b>DEV/CBM/DAC/2018/1.50</b>	Purchase of Coil tubing Unit and accessories.
<b>DEV/CBM/DAC/2018/1.51</b>	Purchase of Hydro – fracturing and well stimulation unit and accessories.
<b>DEV/CBM/DAC/2018/1.52</b>	Purchase of Mobile pumping unit services
<b>DEV/CBM/DAC/2018/1.53</b>	Purchase of other equipment related to CBM drilling and completion
<b>B) DEV/CBM/GAG/2018/1:</b>	Supply of Equipment & Material and provision of 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/2018/1.1</b>	Supply and Services for Slimhole /Open hole/ cased hole geophysical logging and perforation.
<b>DEV/CBM/GAG/2018/1.2</b>	Coal analysis and CBM laboratory work with & without mobile lab facility.
<b>DEV/CBM/GAG/2018/1.3</b>	Ground/Aero magnetic survey. Seismic survey including shallow seismic

	survey, High Resolution Seismic (HRS) Survey.
DEV/CBM/GAG/2018/1.4	Reserve estimate and Reserve certification.
DEV/CBM/GAG/2018/1.5	Topographical survey along with equipment, surface elevation and co-ordinate survey.
DEV/CBM/GAG/2018/1.6	Operation and Maintenance of all types of equipment related to geology, geophysics and reservoir engineering.
DEV/CBM/GAG/2018/1.7	Well testing and analysis of data leading to estimation of coal bed reservoir properties viz. permeability, reservoir pressure, skin etc.
DEV/CBM/GAG/2018/1.8	GPS and Differential GPS.
DEV/CBM/GAG/2018/1.9	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.)
DEV/CBM/GAG/2018/1.10	Hiring of explosive van.
DEV/CBM/GAG/2018/1.11	Reservoir Monitoring system for measurement of bottom hole pressure, water level, gradient study etc.
DEV/CBM/GAG/2018/1.12	Production planning, monitoring, forecasting and reporting software such as OFM
DEV/CBM/GAG/2018/1.13	Services – Injection Fall-off testing, Tracer tests, production logging
DEV/CBM/GAG/2018/1.14	Laboratory coal analysis: <ul style="list-style-type: none"> <li>• Study of critical CBM Reservoir parameters using coal core samples.</li> <li>• Study on critical stress path measurement / mechanical properties using coal cores for Mechanical Earth Modelling</li> </ul>
DEV/CBM/GAG/2018/1.15	Radiometric dating of CBM produced water
<b>C) DEV/CBM/SF/2018/1:</b> Supply of Equipment & Material and provision of 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>	
DEV/CBM/SF/2018/1.1	Air Compressor & dryer and Nitrogen generation package up to 500 m3/hr - /Reciprocating – non-lubricated
DEV/CBM/SF/2018/1.2	Supply and services of Diesel and gas based generator sets of various capacities.
DEV/CBM/SF/2018/1.3	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/SF/2018/1.4	Reciprocating / Screw Gas Compressors for CBM gas compression application.
DEV/CBM/SF/2018/1.5	Gas Dehydration units - Skid mounted / Modular units
DEV/CBM/SF/2018/1.6	Gas Engine Generator package with related accessories
DEV/CBM/SF/2018/1.7	Skid mounted gas/water separator unit with separator vessel and related accessories including piping, valves, instruments etc.
DEV/CBM/SF/2018/1.8	Water Treatment / Effluent Treatment Plant
DEV/CBM/SF/2018/1.9	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/SF/2018/1.10	Fire water pump package including main and jockey pumps, engine/motor driven with control panels, battery starting system and accessories
DEV/CBM/SF/2018/1.11	Flare System - Flare tip, Ignition system etc.
DEV/CBM/SF/2018/1.12	HVAC equipment and accessories.
DEV/CBM/SF/2018/1.13	Pressure vessels, Scrubbers & Separators.
DEV/CBM/SF/2018/1.14	API Pumps
DEV/CBM/SF/2018/1.15	Non-API Pumps
DEV/CBM/SF/2018/1.16	Air operated pumps etc.
DEV/CBM/SF/2018/1.17	Chemical Injection Skids
<b>II. ELECTRICAL</b>	
DEV/CBM/SF/2018/1.18	LV Bus Duct

DEV/CBM/SF/2018/1.19	GI Cable trays & raceways - Ladder & perforated type with accessories
DEV/CBM/SF/2018/1.20	HV Power Cables
DEV/CBM/SF/2018/1.21	Aerial Bunched HV Power Cables
DEV/CBM/SF/2018/1.22	LV Power & Control Cables.
DEV/CBM/SF/2018/1.23	LV Power & Control Cables with DGMS approval.
DEV/CBM/SF/2018/1.24	Aerial Bunched LV Power Cables
DEV/CBM/SF/2018/1.25	Earthing Material including Earth electrode, lightning arrestor, earth strip, pit cover, etc.
DEV/CBM/SF/2018/1.26	Electrical Heat Tracing Systems
DEV/CBM/SF/2018/1.27	Lighting Fixtures (Office area)
DEV/CBM/SF/2018/1.28	Lighting Poles
DEV/CBM/SF/2018/1.29	Lighting Fixtures for Hazardous Area with DGMS approval
DEV/CBM/SF/2018/1.30	Industrial Lighting Fixtures
DEV/CBM/SF/2018/1.31	High Mast Lighting system
DEV/CBM/SF/2018/1.32	LV Electric Motors for non-hazardous area
DEV/CBM/SF/2018/1.33	LV Electric Motors for hazardous area with DGMS approval
DEV/CBM/SF/2018/1.34	Neutral Earthing Resistors with panel
DEV/CBM/SF/2018/1.35	Electrical Protection Relays
DEV/CBM/SF/2018/1.36	Soft Starters
DEV/CBM/SF/2018/1.37	Dry type Distribution Transformers
DEV/CBM/SF/2018/1.38	Oil filled Distribution Transformers
DEV/CBM/SF/2018/1.39	UPS System for IT & computers
DEV/CBM/SF/2018/1.40	UPS system for process area
DEV/CBM/SF/2018/1.41	Variable Frequency Drives with Panel
DEV/CBM/SF/2018/1.42	Batteries for UPS system – Lead Acid / VRLA/ NI-CD
DEV/CBM/SF/2018/1.43	HV Switchboards / Switchgears
DEV/CBM/SF/2018/1.44	LV Switchboards / Switchgears and Motor Control Centres / PMCC / PCC
DEV/CBM/SF/2018/1.45	Package substation for outdoor installation including transformer, HV/LV switchgear
DEV/CBM/SF/2018/1.46	Lighting and power distribution boards indoor / Outdoor installation
DEV/CBM/SF/2018/1.47	Hazardous area DGMS equipment like Push button station, sockets, JB's, etc.
DEV/CBM/SF/2018/1.48	Industrial type like Push button station, sockets, JB's, etc.
<b>III. INSTRUMENTATION</b>	
DEV/CBM/SF/2018/1.49	Supervisory Control And Data Acquisition System (SCADA) with related accessories including Remote Terminal Units, Controllers, Solar power Panels, Radio communication units, Network components, towers etc.
DEV/CBM/SF/2018/1.50	Instrument Cable
DEV/CBM/SF/2018/1.51	Fibre optic cable and installation accessories - LIUs, Patch cords, trays, joint enclosures, connectors, etc.
DEV/CBM/SF/2018/1.52	Custody transfer flow meter skid for Gas
DEV/CBM/SF/2018/1.53	Supply of Flow meters
DEV/CBM/SF/2018/1.54	Instrument Fittings, Tubings, Manifolds, and other miscellaneous bulks
DEV/CBM/SF/2018/1.55	Supply of All types of Control Valves along with accessories,
DEV/CBM/SF/2018/1.56	Instrumentation Junction Boxes
DEV/CBM/SF/2018/1.57	Orifice Plates , Restriction Orifice & Meter Run Assy.
DEV/CBM/SF/2018/1.58	Temperature Elements with Thermo-well
DEV/CBM/SF/2018/1.59	Transmitters - Pressure, Temperature, Diff Pressure, Radar Level along

	with manifolds & associated accessories,
DEV/CBM/SF/2018/1.60	Gauges – Pressure, Differential Pressure, Temperature
DEV/CBM/SF/2018/1.61	Control Room Consoles / Furniture
DEV/CBM/SF/2018/1.62	Fire & Gas system and associated field devices & accessories
DEV/CBM/SF/2018/1.63	Corrosion Monitoring System including supply of probes, coupons, retrieval system and other data recording & monitoring devices.
DEV/CBM/SF/2018/1.64	Multicable Transits (MCT for electrical and instrument cables)
DEV/CBM/SF/2018/1.65	Instrument Canopies and other miscellaneous bulks
DEV/CBM/SF/2018/1.66	All types of actuated Isolation / Shut-down valves - motor or pneumatic or Solenoid operated.
DEV/CBM/SF/2018/1.67	Safety relief valve / Pressure safety valve
DEV/CBM/SF/2018/1.68	Slam shut off / emergency relief valve for Tank / Dump level control Valves assemblies
DEV/CBM/SF/2018/1.69	Level gauges
DEV/CBM/SF/2018/1.70	All types of self regulating control Valves along with accessories
DEV/CBM/SF/2018/1.71	Continuous emission monitoring system and water quality monitoring system
DEV/CBM/SF/2018/1.72	On line process analyzers - Moisture analyzer, Mercury analyzer, gas chromatograph, oil analyzer etc
DEV/CBM/SF/2018/1.73	Air release valve
DEV/CBM/SF/2018/1.74	HDPE Conduits for OFC cables
<b>IV. PIPING &amp; PIPELINE</b>	
DEV/CBM/SF/2018/1.75	Cathodic Protection systems for pipelines
DEV/CBM/SF/2018/1.76	Coatings and Wrappings for corrosion protection of pipelines
DEV/CBM/SF/2018/1.77	GRE Pipes & Fittings
DEV/CBM/SF/2018/1.78	Insulation for piping / Equipment / Vessels
DEV/CBM/SF/2018/1.79	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/SF/2018/1.80	Pig launchers, receivers and any allied materials.
DEV/CBM/SF/2018/1.81	Poly Ethylene (PE) pipes for Gas & Water services
DEV/CBM/SF/2018/1.82	CS Forgings (Bleed rings/spacers/blinds etc.)
DEV/CBM/SF/2018/1.83	Expansion Bellows
DEV/CBM/SF/2018/1.84	CS /AS/ SS Fittings and Flanges
DEV/CBM/SF/2018/1.85	Flame Arrestors
DEV/CBM/SF/2018/1.86	Gaskets
DEV/CBM/SF/2018/1.87	Hangers and Spring Supports
DEV/CBM/SF/2018/1.88	Hoses & Couplings
DEV/CBM/SF/2018/1.89	Injection Quills
DEV/CBM/SF/2018/1.90	Insulating Joints/Insulating Kit / Gaskets
DEV/CBM/SF/2018/1.91	Paints
DEV/CBM/SF/2018/1.92	CS / GI /AS/ SS Pipes /Line pipes
DEV/CBM/SF/2018/1.93	Safety Showers and Eye wash
DEV/CBM/SF/2018/1.94	Sample Coolers
DEV/CBM/SF/2018/1.95	Sight Glass
DEV/CBM/SF/2018/1.96	CS / SS Strainers
DEV/CBM/SF/2018/1.97	Stud Bolts & Nuts
DEV/CBM/SF/2018/1.98	Valves / Traps, Gas / Air relief , ERV/FV, CS / SS
DEV/CBM/SF/2018/1.99	CS / SS Ball/Butterfly/ Extended Spindle/ Needle/Plug Valves
DEV/CBM/SF/2018/1.100	CS / SS Gate, Globe & Check Valves

DEV/CBM/SF/2018/1.101	SS / CS Fittings for line pipe, Barred tees, Long radius elbow / 3D/5D induction bends etc. for Piggable lines
DEV/CBM/SF/2018/1.102	CS/ SS Isolation Valves for Piggable Lines
DEV/CBM/SF/2018/1.103	Valves, Penstock, Sluice Gate etc.
DEV/CBM/SF/2018/1.104	Supply & apply of Internal lining for CS pipes for corrosion protection
DEV/CBM/SF/2018/1.105	Electrodes of different grades and size, Fluxes, Gases for welding & cutting and other welding & cutting accessories.
DEV/CBM/SF/2018/1.106	Piping / Pipeline internal coating
<b>V. SECURITY SERVICES and AUTOMATION</b>	
DEV/CBM/SF/2018/1.107	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/SF/2018/1.108	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>	
DEV/CBM/SF/2018/1.109	Portable, Modular Office and Warehouse, Containers and Office Furniture and Office Automation Equipment and other capital goods.
DEV/CBM/SF/2018/1.110	Construction of wellsite, Approach road and Gas/Water Gathering Station, Buildings, Industrial structures, Slope protection, Drainage, Bridges & Culverts, Roads, etc.
DEV/CBM/SF/2018/1.111	Construction materials such as cements, sands and aggregates.
DEV/CBM/SF/2018/1.112	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/SF/2018/1.113	Hard topping/tar matting of roads and Supply of bitumen & asphalt Concretes.
DEV/CBM/SF/2018/1.114	Construction of warehouse, office facilities, Guest house building with allied facilities accommodation and related civil, electrical and mechanical works.
DEV/CBM/SF/2018/1.115	Precast Concrete Poles, Members, footings, Sections, Skids with partial steel and concrete members
DEV/CBM/SF/2018/1.116	Construction services for Installation of Cross Country Pipelines (CS/HDPE)
DEV/CBM/SF/2018/1.117	Drilling of Bore-wells for Water Supply
DEV/CBM/SF/2018/1.118	Construction of Occupational health centre
DEV/CBM/SF/2018/1.119	Engineering , design & construction of Prefabricated steel buildings
<b>VII. SERVICES FOR CBM FIELD DEVELOPMENT</b>	
DEV/CBM/SF/2018/1.120	Conceptual Studies and Front End Engineering Design for field development.
DEV/CBM/SF/2018/1.121	Detailed Engineering of field development including associated Onshore facilities.
DEV/CBM/SF/2018/1.122	Project Management Consultancy Services.
DEV/CBM/SF/2018/1.123	Services of System Integrator and Technology Partner for delivery of IT solutions and Technology Implementation to CBM Business.
DEV/CBM/SF/2018/1.124	Design Review, Appraisal, Certification and Verification Agency for facilities.
DEV/CBM/SF/2018/1.125	Reliability, Availability, Maintainability Studies.
DEV/CBM/SF/2018/1.126	Geo-technical Surveys / Soil Investigation.
DEV/CBM/SF/2018/1.127	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
DEV/CBM/SF/2018/1.128	EPC for Lighting and electrification of roads, building including DBs, cables, masts, Electrical fittings, & accessories
DEV/CBM/SF/2018/1.129	Hiring of rock cutting machine, blasting machine, Excavators, Pipe lay booms, Trucks, Trailers etc.
DEV/CBM/SF/2018/1.130	Geo-Technical surveys, Topography survey, River Hydraulic Studies.

<b>DEV/CBM/SF/2018/1.131</b>	Third Party Inspection (TPI) for Quality Control & Assurance
<b>DEV/CBM/SF/2018/1.132</b>	Services for Right of User (ROU)
<b>DEV/CBM/SF/2018/1.133</b>	Services for Gas Dispersion Analysis
<b>DEV/CBM/SF/2018/1.134</b>	Detailed engineering of Occupational health centre
<b>D) DEV/CBM/OTH/2018/1:</b>	Miscellaneous services required for development of CBM field.
<b>DEV/CBM/OTH/2018/1.1</b>	Supply and Services for Aviation fuel and spares for helicopter.
<b>DEV/CBM/OTH/2018/1.2</b>	Helicopter and its accessories.
<b>DEV/CBM/OTH/2018/1.3</b>	Providing CHA services
<b>DEV/CBM/OTH/2018/1.4</b>	Providing Freight forwarding services
<b>DEV/CBM/OTH/2018/1.5</b>	Providing Transportation services
<b>DEV/CBM/OTH/2018/1.6</b>	Hiring of P&M equipment like Crane, Hydra, forklift, trailer, truck, tempo etc.
<b>DEV/CBM/OTH/2018/1.7</b>	Air transportation of personnel and Chartering Helicopters.
<b>DEV/CBM/OTH/2018/1.8</b>	Services for O&M of helicopter.
<b>DEV/CBM/OTH/2018/1.9</b>	Hiring of closed and covered warehouse, open storage yard, office accommodation with or without associated manpower, equipment and services.
<b>DEV/CBM/OTH/2018/1.10</b>	Consultancy services for infrastructure development.
<b>DEV/CBM/OTH/2018/1.11</b>	Consultancy services for land acquisition.
<b>DEV/CBM/OTH/2018/1.12</b>	Consultancy services for CBM production and surface facilities.
<b>DEV/CBM/OTH/2018/1.13</b>	Consulting companies engaged in - designing & supervision for power distribution system for gas based facilities.
<b>DEV/CBM/OTH/2018/1.14</b>	Consultancy for CSR.
<b>DEV/CBM/OTH/2018/1.15</b>	Consultancy companies engaged in gas marketing survey/distribution system.
<b>DEV/CBM/OTH/2018/1.16</b>	Consulting companies engaged in - designing & supervision for construction of GGS (Group Gathering Station) / Compressors / Pipeline/ land survey.
<b>DEV/CBM/OTH/2018/1.17</b>	Consultancy companies engaged in services for detailed pipeline route survey. (Desktop study, reconnaissance survey, detailed route survey includes soil investigation, soil resistivity & cadastral survey)
<b>DEV/CBM/OTH/2018/1.18</b>	Consultancy for designing and installation of fire detection and protection system.
<b>DEV/CBM/OTH/2018/1.19</b>	Consultancy for certifying agency.
<b>DEV/CBM/OTH/2018/1.20</b>	Consultancy services for liasioning and statutory approvals.
<b>DEV/CBM/OTH/2018/1.21</b>	Consultancy services for creation of explosive storage yard and movement facilities.
<b>DEV/CBM/OTH/2018/1.22</b>	Supply of unskilled, skilled and specialized manpower and related services.
<b>DEV/CBM/OTH/2018/1.23</b>	Hiring of consultant for legal services.
<b>DEV/CBM/OTH/2018/1.24</b>	Geo-hazard studies for identification lineaments, seismic faults etc. across the block.
<b>DEV/CBM/OTH/2018/1.25</b>	Flood assessment for GGS sites
<b>DEV/CBM/OTH/2018/1.26</b>	Hydrological studies for produced water discharge
<b>DEV/CBM/OTH/2018/1.27</b>	Digital Feature extraction service
<b>DEV/CBM/OTH/2018/1.28</b>	High Resolution satellite Imagery procurement & processing service
<b>E) DEV/CBM/ITE/2018/1:</b>	Supply of Equipment & Material and provision of Services related to Information Technology (IT) for development of CBM field
<b>DEV/CBM/ITE/2018/1.1</b>	VSAT / wireless connectivity equipment and software.
<b>DEV/CBM/ITE/2018/1.2</b>	UHF/VHF radio communication system, repeaters, mast, antenna and towers.
<b>DEV/CBM/ITE/2018/1.3</b>	Routers/ Switches/ Network/ Video conferencing equipment for



	communication system.
<b>DEV/CBM/ITE/2018/1.4</b>	Servers, storage, backup solutions for data centre.
<b>DEV/CBM/ITE/2018/1.5</b>	Geological, geophysical and reservoir Software/hard ware.
<b>F) DEV/CBM/HSE/2018/1:</b>	Supply of Equipment & Material and provision of Services related to Health, Safety, Environment (HSE) for development of CBM field
<b>DEV/CBM/HSE/2018/1.1</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/2018/1.2</b>	Occupational health surveillance and medical check-ups
<b>DEV/CBM/HSE/2018/1.3</b>	Development and maintenance of green belt.
<b>DEV/CBM/HSE/2018/1.4</b>	Servicing and maintenance of firefighting and allied equipment.
<b>DEV/CBM/HSE/2018/1.5</b>	Man power supply for Firefighting / medical services.
<b>DEV/CBM/HSE/2018/1.6</b>	Safety auditing, Services for safety management at the worksites.
<b>DEV/CBM/HSE/2018/1.7</b>	Services and training material for Training on HSEF related topics.
<b>DEV/CBM/HSE/2018/1.8</b>	Testing and inspection of lifting equipment, tools and tackles, pressure vessels, etc.
<b>DEV/CBM/HSE/2018/1.9</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/2018/1.10</b>	Environment monitoring equipment, Noise meter, High Volume Sampler, Stack monitoring kit, water monitoring kit etc.
<b>DEV/CBM/HSE/2018/1.11</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/2018/1.12</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, Fire service inlet and other miscellaneous firefighting equipment.
<b>DEV/CBM/HSE/2018/1.13</b>	Fire Extinguishers (Portable and trolley mounted)
<b>DEV/CBM/HSE/2018/1.14</b>	Fire Siren and Hooters
<b>DEV/CBM/HSE/2018/1.15</b>	Self-Contained Breathing Apparatus (SCBA)
<b>DEV/CBM/HSE/2018/1.16</b>	Rescue Tools during Fire and Emergency (battery and hydraulically operated), Light mast (Fixed, Inflatable)
<b>DEV/CBM/HSE/2018/1.17</b>	Portable Gas Detectors and accessories
<b>DEV/CBM/HSE/2018/1.18</b>	Multi-purpose Fire Tender and other specialised Fire Protection Vehicles
<b>DEV/CBM/HSE/2018/1.19</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/2018/1.20</b>	Ambulances and medical facilities.
<b>DEV/CBM/HSE/2018/1.21</b>	Equipment, Instruments and chemicals for effluent/water/waste treatment plant.
<b>DEV/CBM/HSE/2018/1.22</b>	Clean Agent Fire Suppression System (CO2, Argonite, FM-200 or any other clean agent)
<b>DEV/CBM/HSE/2018/1.23</b>	Building fire alarm system.
<b>DEV/CBM/HSE/2018/1.24</b>	Potable water treatment Package.
<b>DEV/CBM/HSE/2018/1.25</b>	Sewage treatment plant.
<b>DEV/CBM/HSE/2018/1.26</b>	Services for management of municipal waste, Biological waste, E – waste, garbage and other types of solid wastes
<b>DEV/CBM/HSE/2018/1.27</b>	AFFF - 30% Foam Concentrate
<b>DEV/CBM/HSE/2018/1.28</b>	Dry Chemical Powder (DCP)
<b>DEV/CBM/HSE/2018/1.29</b>	Deluge Valves with pressure switches and solenoid valves
<b>DEV/CBM/HSE/2018/1.30</b>	Alarm Valve with retarding Chambers and Water Gong.
<b>DEV/CBM/HSE/2018/1.31</b>	Potable water treatment Package

DEV/CBM/HSE/2018/1.32	Fireproofing Material
DEV/CBM/HSE/2018/1.33	Safety Signage

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, organizational chart and CVs of Key Technical personnel.
- Company profile and audited financial results (Balance Sheet) for last three years.
- Present work commitments and anticipated work load.
- Brief on ISO certification, Health, Safety, Environment & Quality Assurance and Control systems followed, including safety statistics of the company in the last three years and HSE Track record of last three years.
- Any other relevant information that will establish that Contractor is a competent equipment/ material supplier / service provider.

The above information for all the categories and contact details are to be submitted in the Summary Sheet as given below.

<b>CONTRACTOR'S DETAILS</b>	
Name of the Company	
EOI Ref.	
EOI Date.	
Key Contact Details Name: Tel No: Email:	

<b>SUMMARY SHEET</b>								
<b>[TO BE SUBMITTED ON A CD/DVD &amp; TWO HARD COPIES]</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/DVD) with all details through Post / Courier and also through e-mail on [cbmeioresponse.eandp@ril.com](mailto:cbmeioresponse.eandp@ril.com) on or before **8<sup>th</sup> May, 2018**. The envelope should be superscribed as RIL/CBM/EOI/2018/03 along with category number.

**Address for Communication:**

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