

OIL INDIA LIMITED
CORPORATE HR, NOIDA

CMD/OIL/PER/14C(i)

July 4, 2019

Skill Sets for Engaging Domain Experts

Oil India Limited (OIL) intends to empanel domain experts having Minimum 30 years of experience in Upstream Oil & Gas Industry in various fields such as Geology, Geophysics, Petrophysics, Reservoir Engineering, Drilling Engineering, Chemistry, Production Engineering, Engineering Services and IT & Networking.

However for certain specialized area of expertise in Geology/Geoscience namely Field Geology, Remote Sensing & GIS, Geochemistry, Paleontology & Sedimentology, the domain experts must have Minimum 30 years of experience either in Upstream Oil & Gas Industry or academic institutions or Geological Survey of India or combination of all.

The desired skills for various expertise area are as follows:

Discipline: Geologist

| | Area of Expertise | Experience Requirement |
|---|--------------------------------|---|
| 1 | Exploration Geology | <ul style="list-style-type: none">• 10 years of specialized experience in full-cycle exploration work flow, Seismic interpretation, prospect generation, Risk and Uncertainty Analysis, Volumetric evaluation and Post-Drilling Appraisal.• Guiding exploration teams in G&G projects, both at prospect level and regional level;• Proficiency in utilizing industry standard seismic interpretation softwares e.g. Petrel, Kingdom suite, DecisionSpace, Geoframe etc. |

| | Area of Expertise | Experience Requirement |
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| 2 | Basin Analysis & PSM | <ul style="list-style-type: none"> • At least 10 years of specialized experience in Basin Analysis, PSM modelling, geochemical data analysis • Guiding teams in overall Basin Analysis, Play fairway analysis and regional geological analysis. • Proficiency in using software related to Petroleum System Modelling |
| 3 | Operation Geology | <ul style="list-style-type: none"> • At least 10 years of specialized experience in supervising operation geology and well planning activities. • Specialized experience in geo-mechanical studies and well planning |
| 4 | Development Geology & Reserve Estimation | <ul style="list-style-type: none"> • At least 10 years of specialized experience in Development Geology, Reserve Estimation with thorough knowledge on Petroleum Resource Management System (PRMS) Guidelines, preparation of Field Development Plans (FDP) etc., |
| 5 | Palaeontology | <ul style="list-style-type: none"> • At least 10 years of specialized experience in micropaleontology, biostratigraphy and paleo-environmental analysis. |
| 6 | Sedimentology | <ul style="list-style-type: none"> • At least 10 years of specialized experience in analysis of cores, surface samples and drill-cuttings for assessing reservoir characteristics and paleo-environmental analysis. |
| 7 | Sequence Stratigraphy | <ul style="list-style-type: none"> • At least 5 years of specialized experience (out of total experience) in sequence stratigraphy studies. |

| | Area of Expertise | Experience Requirement |
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| 8 | Techno-economic Evaluation | <ul style="list-style-type: none"> • specialized experience in techno-economic assessment of exploration prospects, blocks, producing fields, bidding strategies, farm-in / farm-out opportunities under different fiscal models. • Proficiency in handling Cost estimation, economic evaluation industry standard software packages. • Experience in preparation of Appraisal Plans, DOC / FDP. |

Discipline: Geologist / Geophysicist

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| 1 | Field Geology | <ul style="list-style-type: none"> • 10 years of specialized experience (out of total experience) in Surface Geological field-work • Sound knowledge about hydrocarbon exploration processes |
| 2 | Unconventional | <ul style="list-style-type: none"> • At least 10 years of specialized experience (out of total experience) in assessment of Coal Bed Methane(CBM) and / or Shale Gas/Oil prospectivity assessment and operations |
| 3 | Petrophysics | <ul style="list-style-type: none"> • Minimum 20 years experience in analyzing various electrologs including production logs. • Experience in analyzing logs, by hand or by programmable calculator • Proficiency in processing logs in various platforms and carrying out Comprehensive formation evaluation |

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| 4 | Remote Sensing & GIS | <ul style="list-style-type: none"> • At least 10 years of specialized experience in Remote sensing and GIS technology • Proficiency in handling of standard image processing and GIS software, e.g. ERDAS, ENVI, GAMMA, ArcGIS etc and experience in integrating remote sensing data with other geoscientific data in GIS to derive a workable model. |
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Discipline: Geophysicist

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| 1 | Acquisition | <p>Minimum 15 years experience in one or more of the following areas with specific expertise in Seismic Survey design, Quality control, acquisition and supervision:</p> <ul style="list-style-type: none"> • Onshore: Foreland / Shelf / Conventional areas • Onshore: Fold / Thrust Belt areas • Offshore |
| 2 | Processing | <ul style="list-style-type: none"> • Minimum 15 years experience in processing of Seismic data (both 2D & 3D and onshore & offshore) in time and depth domain • Should possess proficiency in industry standard processing software platforms. • Should have guided processing teams • Experience in processing of data from various areas like conventional onshore, Fold belt, Desert, transition & offshore areas need to be mentioned clearly |

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| 3 | Exploration Geophysics | <ul style="list-style-type: none"> • 15 years of experience in full-cycle exploration work flow, Seismic interpretation, prospect generation, post-drilling appraisal and geological risk analysis • Experience in Seismic sequence stratigraphy studies. • Experience in Gravity/Magnetic /Airborne Gravity Gradiometry or in Passive Seismic Studies/Passive seismic monitoring • Experience in Pore pressure Analysis, Fracture Gradient & geo-mechanical studies and well planning |
| 4 | Reservoir Geophysics | <ul style="list-style-type: none"> • Minimum 5 years experience in various aspects of Reservoir Geophysics viz. Rock Physics Modelling, Seismic Inversion. Facies classification, Fluid modeling etc. • Experience in building static Geocellular models and proficiency in handling various industry standard software needs to be mentioned clearly |

Discipline: Reservoir Engineer

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| 1 | Reservoir Management | <ul style="list-style-type: none"> • Minimum 15 years experience with ability to do Classical Reservoir Engineering analysis and preparation of Field development plan • Experience in dynamic reservoir modelling work flow, run different prediction scenarios based on simulation and proficiency in handling various industry standard software needs to be mentioned clearly |
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| 2 | Reserves Estimation | <ul style="list-style-type: none"> • Minimum 5 years experience in Reserve Estimation with Petroleum Resource Management System (PRMS) Guidelines • Experience in Decline Curve Analysis and Diagnostic Methods for Production Performance Forecasting |
| 3 | IOR/EOR | <ul style="list-style-type: none"> • Minimum 10 years experience in screening the fields for best suited IOR/EOR Technique • Experience in its implementation of IOR/EOR techniques at pilot level & evaluation of Pilot test results • Experience in implementation of IOR/EOR technique at full field level |
| 4 | Techno -Economic Evaluation | <ul style="list-style-type: none"> • Minimum 10 years of experience in techno-economic assessment of producing fields, farm-in / farm-out opportunities of oil & gas assets under different fiscal models. • Proficiency in handling various industry standard software needs to be mentioned clearly. |

Discipline: Reservoir Engineer / Chemist

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| 1 | PVT Lab Studies | <ul style="list-style-type: none"> • Minimum 10 years experience in reservoir fluids sampling , Design & Execution of PVT experiments for different reservoir fluids like black oil, gas condensate, dry gas, wet gas etc. • Experience in handling relevant PVT simulation software for fluid characterization, modeling (Equation of State), interpretation of various PVT parameters & generate comprehensive PVT report. |
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| | | <ul style="list-style-type: none"> • Experience in PVT analysis for EOR studies will be preferred. |
| 2 | Core Lab Studies | <ul style="list-style-type: none"> • Minimum 10 years experience of working in a Core laboratory having experience in conducting complete core analysis ranging from core sample preparation to core flooding and other experiments related to routine & special core analysis. • Design & execution of core flooding experiments to obtain water/oil, gas/oil relative permeability and other experiments like capillary pressure measurement, resistivity measurement etc. • Experience in handling relevant software, interpretation of various parameters & generate comprehensive core analysis report. • Experience in core flooding experiments pertaining to EOR studies will be preferred. |

Discipline: Chemist

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| 1 | Drilling & Workover Fluids | <ul style="list-style-type: none"> • Minimum 10 years of experience in handling drilling & workover fluids in Formulation, designing & maintenance of mud systems like High Performance Water Based Mud/ Synthetic Oil Based Mud/ HPHT drilling fluid/ Non Damaging Drilling Fluid etc. in high angle deviated and horizontal wells in onshore and offshore. • Formulation, designing & maintenance of drilling fluid for depleted reservoir. • Experience in designing, formulating & maintenance of low-density work over fluid for |
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| | | <p>depleted reservoir.</p> <ul style="list-style-type: none"> • Experience in handling all types of mud related down-hole problems including but not limited to stuck pipe, loss circulation, well kick, torque/drag, bit balling, bore hole instability etc. |
| 2 | <p>Corrosion Mitigation</p> | <p>Minimum 10 years of experience pertaining to mitigation of corrosion related issues in E & P industry. Domain Experts may have all or any of the following skills:</p> <ul style="list-style-type: none"> • Failure analysis of tubular of Oil/Gas/Water disposal/Water Injection wells, etc. • Failure analysis of oil and gas flow lines, well head set up, oil & water handling tanks, etc. • Material selection and mitigation strategies for tackling corrosion associated problems. • Corrosion audit of pipeline network of onshore as well as offshore and plants such as OCS, GCS, WIS, LPG plant, etc. • Corrosion studies in oil and gas, produced water and trunk pipelines w.r.t. Microbial induced Corrosion and Chemical Corrosion. • Cathodic protection studies of various pipelines and tanks. • Corrosion & Metallurgical testing and monitoring. |

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| 3 | Geochemistry | <p>At least 10 years of specialized experience in performing source rock geochemical analysis including (TOC, Pyrolysis, GC, GCMS, Kerogen microscopy, Vitrinite reflectance etc.)</p> <p>Proficiency in integrating geoscientific data to evaluate the hydrocarbon potential on the regional scale and strong understanding of petroleum systems.</p> |
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Discipline: Drilling Engineer

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| 1 | Drilling Engineering Onshore | <ul style="list-style-type: none"> • Minimum 15 years experience in Onshore Drilling operation & activities as Drilling Engineer supervising drilling activities. • Experience of drilling of at least 10 onshore wells deeper than 3500m • Experience and Expertise of interpretation and resolution of drilling related down hole complications including fishing. • Experience in well designing and preparation of cost estimate with respect to Drilling Rig & Equipment, Services and well cost |
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| 2 | Drilling Engineering Offshore - | <ul style="list-style-type: none"> • Minimum 15 years experience in Offshore Drilling operations & activities as Drilling Engineer supervising drilling operations. • Experience of interpretation and resolution of drilling related down hole complications including fishing. • Experience in well designing and preparation of cost estimate with respect to Drilling Rig & Equipment, Services and well cost |
| 3 | Drilling Engineering HPHT - | <ul style="list-style-type: none"> • Minimum 15 years experience in Drilling operation & activities as Drilling Engineer or Supervising drilling activities. • Minimum 5 years experience in HPHT Drilling operation & activities as Drilling Engineer or Supervising drilling activities. • Competency in carrying out HPHT well engineering, designing and execution and preparation of cost estimate with respect to Drilling Rig & Equipment, Services and well cost. • Experience and Expertise of interpretation and resolution of drilling related down hole complications including fishing. • Experience in well designing and preparation of cost estimate with respect to Drilling Rig & Equipment, Services and well cost |

Discipline: IT Engineer

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| 1 | IT & Networking | <ul style="list-style-type: none">• Minimum 15 years experience in providing IT & Networking solutions related to Upstream Industry.• Knowledge of Big data analytics & IOT etc. |
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Discipline: Production Engineer

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| 1 | Offshore | <ul style="list-style-type: none">• Minimum 10 years experience as Production Engineer in offshore oil & gas installations or supervising production related activities in offshore wells.• Project planning experience for well testing in Offshore environment. |
| 2 | Well Stimulation | <ul style="list-style-type: none">• Minimum 15 years experience of Production Engineering / Petroleum Engineering job in an onshore or Offshore field.• Knowledge of Hydro Frac planning and operations in a tight gas reservoir in HPHT environment.• Experience in HF design and should be able to evaluate the HF design given by service provider and suggest changes as deemed fit depending on well requirements.• Experience in Well intervention jobs by CTU and wireline is preferable. |

Discipline: Mechanical Engineer

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| 1 | Engineering Services | <ul style="list-style-type: none">• Minimum 15 years experience in infrastructure & facilities creation for Production setup of wells in Offshore Oil & gas field. |
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1. The Honorarium for domain experts on call duty is as under:

| Sl | Levels (Illustrative Designation) | Honorarium |
|-----------|--|---------------------|
| 1 | Director One level below Board- EDs | Rs.10,000/- per day |
| 2 | Two levels below Board CGM / GGM / GMs Professor or Equivalent | Rs.9,000/- per day |
| 3 | Three levels below Board GMs Associate Professor or Equivalent | Rs.9,000/- per day |
| 4 | Four levels below Board DGMs Assistant Professor or Equivalent | Rs.8,000/- per day |

2. Travel, Local conveyance, board & lodging will be arranged by the Company as per entitlements of regular executives of their status in OIL.
3. Please note that no TA/DA will be paid.
4. Interested and eligible persons may send their duly filled in application (in prescribed format given below) to **CGM(HR), Oil India Limited, Plot No. 19, Sector-16A, Noida-201301** or via email e&d1@oilindia.in on or before **04th August, 2019**.



ऑयल इंडिया लिमिटेड
Oil India Limited
APPLICATION FOR ENGAGEMENT AS
DOMAIN EXPERT

Please affix your recent
passport size photograph.

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| Post applied for | |
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| 1. | Name of the Applicant: | |
| 2. | Father's Name: | |
| 3. | Date of Birth: | |
| 4. | Gender: | |
| 5. | Address for Communication: | |
| 6. | Permanent Address(if different from address for communication): | |
| 7. | Telephone/Mobile No. | |
| 8. | E-mail ID | |

9. EDUCATIONAL QUALIFICATIONS

| S.no. | Degree | College/Institution | Year of passing | Specialization/ Discipline | Class/Division |
|-------|------------------|---------------------|-----------------|----------------------------|----------------|
| a. | Graduation | | | | |
| b. | Post -Graduation | | | | |
| c. | Others(if any) | | | | |

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| d. | Any other academic details | |
| e. | Member of Professional Bodies | |

| 10. EXPERIENCE DETAILS | | | | | | |
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| S.no. | Name of the organization | Position held | Grade of the Position last held | Period of Service | | Nature of duties |
| | | | | From | To | |
| a. | | | | | | |
| b. | | | | | | |
| c. | | | | | | |
| d. | | | | | | |
| e. | Write-up on relevant experience (maximum 300 words) | | | | | |

DECLARATION

I hereby certify that the particulars furnished as above are true, correct and complete in all respects. In case of information provided by me being found incorrect or false, my appointment may be cancelled at any time without informing me.

Date:

Place:

Signature of Applicant