

Domain Expertise (Technical)

Project Engineer - (7-10 years experience)	Domain 8
Domain Expertise	Geophysics Environment Civil Engg
Location	Pune
No. of Requirements	4
Skill Sets (Single or Multiple)	<ol style="list-style-type: none">1. Deep understanding of seismic algorithms and field data.2. Knowledge and experience of computational exploration seismic with Industrial exposure.3. Experience of working on seismic data processing software using field seismic data.4. Proven experience in seismic algorithm development.5. High performance computing knowledge in seismic data processing domain.6. Research publications. <ul style="list-style-type: none">• Knowledge of atmospheric/Ocean/Hydrology/Air Quality/ CFD Modeling.• WRF/WRF-Chem/WRF-Hydro/OpenFOAM modelling and simulations.• Model Data visualization using GRADS/NCL or any.• Parallel computing and HPC.• Data Analysis. <p>Knowledg of CPWD Work Manual, DSR Knowledg of ISO Manual for civil/interior work Operating skills on Auto CAD, MS Office Written and verbal communication skills in English Noting & drafting and file preparation</p>

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Job Profile	<p>1. Domain related project work mainly research and development in post processing HPC seismic data processing algorithm.</p> <p>2. Software Development in post processing HPC seismic data processing algorithm.</p> <p>3. To guide the team of developer for field data related fine tuning of application and algorithm design.</p> <p>4. Technical report writing, paper writing and presentations</p> <ul style="list-style-type: none"> • Numerical model development, Real time weather forecast, weather data management, development of Scenario based forecasting tool. • Hydrology model, scenario development and simulations, Hydrology database generation and management. • Air Quality-CFD model and scenario development and simulations, Air Quality-CFD database generation and management. • Parallel computing and HPC simulations. <p>Civil & interior infrastructure execution, upgradation and maintenance</p> <p>Cost estimation , measurement and bill verification</p> <p>Preparing proposal, tender processing, vendor supervision</p>