

Terms of Reference (ToR) for GIS Specialist (1 Nos.)

GIS Specialist

Qualification: Master degree in Science (Geo-informatics/Geology)/ Geography from a recognized University / Institute.

Or

Bachelor degree in Engineering (Civil/ Computer Science/ Information Technology) from a recognized University / Institute.

Or

Bachelor degree in Architecture/ Planning from a recognized University / Institute.

Experience: At least 10 years of working experience using GIS software out of which minimum 3 (three) years of experience in design & development of web-based GIS dashboard.

Desirable:

- i) Experience on ArcGIS Enterprise database/ desktop editing environment.
- ii) Experience of technical report writing or publication on reputed journals.
- iii) Geo-spatial planning with multi-disciplinary fields is essential.
- iv) Understanding of spatial variation and temporal changes.

Roles and Responsibilities:

- Design, develop and implement systems and databases for geospatial data.
- Standardize geographic data and GIS database design understanding stakeholders' requirements.
- Research and conduct tests on new tools.
- Perform geospatial modelling and spatial analysis
- Review GIS data for accuracy.
- Build, update, and maintain database, GIS software, and hardware
- Administer and troubleshoot applications and GIS solutions
- Analysing spatial data through the use of mapping software, especially for agri & allied sectors.
- Discovering patterns and trends through spatial mapping of data.
- Designing digital maps with geographic data and other data sources.
- Creating "shapefiles" to merge topographical data with external data by layering external data over a topographical map.
- Producing maps showing the spatial distribution of various kinds of data, including crime statistics and hospital locations.
- Developing mapping applications and tools.
- Converting physical maps into a digital form for computer usage.
- Performing data munging and cleaning to convert data into its desired form.
- Produce reports on geographic data and statistics generation utilizing data visualizations.

- Managing a digital library of geographic maps in various file types.
- Build and maintain relationships with external and internal partners to enhance their understanding about program standards and strategies; may manage relationships with external resource partners and other stakeholders.
- Offer technical support to help to identify and resolve implementation problems and bottlenecks, advance progress of various activities and components, based on a thorough understanding of the development objectives and design of the project.
- Supervised/ unsupervised classifications of satellite image and preparation of instant report understanding the requirement.
- Script language such as Python, VBA is mandatory.
- ArcGIS/QGIS with .Net (with C# / JavaScript / Dojo/ Python).
- Should have experience on “field survey application development” using web GIS. Should have knowledge of preparation of GIS Dashboard. However, familiarity customization of GIS.
- Dashboard based on requirements based on thematic data.
- Any other task as assigned by Project Director/authority.

Age limit: Maximum 54 years as on last date of submission of application form for the position (Should be in good physical condition and willing to travel extensively in different parts of the State).

Salary: - Rs.150000/- (One Lakh Fifty Thousand only) per Month.

Domicile: Indian National.

- N.B:- Only Online application will be considered.