



TENDER

First Publication Date: 20 June 2022

TENDER

DBMNE0446: ADVANCED GEOSTATISTICAL AND MINERAL RESOURCE EVALUATION SERVICES

SCOPE OF WORK:

Debmarine Namibia is seeking an experienced consultancy service provider to undertake advanced geostatistical and mineral resource evaluation studies as and when required for the Mineral Resource Management Department.

The detailed scope will entail the following based on the application of advanced geostatistics and mineral resource evaluation techniques:

SCOPE OF WORK:

- Undertake global resource estimation studies using classical grade-tonnage techniques supplemented with complementary techniques such as Sequential Gaussian Simulation and Conditional/Non-Conditional Simulation methods.
- Undertake sampling density optimization studies and other specialized geostatistical investigations utilising techniques such as Condition/Non-conditional simulation, Local Uniform Conditioning and Indicator Kriging for various resource related investigations as and when required.
- Integrating resource evaluation and mine planning optimisation concepts within the Debmarine Namibia license area.
- Quantify mineral resource uncertainty based on available geoscientific and sampling datasets as well current resource development practices.
- Undertake multivariate statistical analyses to quantify relationships and trends between various sampling and production parameters or geophysical signatures to develop models that may be required such as sediment thickness or mining rate models for the different mining tools.
- External peer review of geostatistical resource estimation reports.
- Provide external assurance on the annually generated resource and reserve statements.
- Provide external assurance for the quarterly Mineral Resource and Reserve Committee meetings.
- Provide guidance and advice on general Mineral Resource Management practices at Debmarine Namibia as and when required.
- Recommendations on exploration and production data integrity practices.

EDUCATION, EXPERIENCE AND ASSOCIATED REQUIREMENTS:

- Appropriate post-graduate technical qualification in Geostatistics along with at least 15 years of diamond placer deposit experience.
- Demonstrable expertise in applying advanced geostatistical methods (e.g Sequential Gaussian Simulation, Uniform Conditioning and Indicator Kriging).
- Sound technical knowledge in resource evaluation processes with practical exposure to diamond placer deposits.
- Knowledge of the SAMREC reporting requirements.
- Working knowledge of the Isatis.neo, SQL data bases and ArcGIS software packages will be mandatory.
- Demonstrate authentic and professional communication that displays confidence, competency and a desire to understand Debmarine Namibia's Mineral Resource Management's requirements within the entire resource pipeline.
- Demonstrate ability to deliver advanced resource evaluation studies and associated projects that are accurate, concise, easy to read, professional, timely and within budget.
- Ability to integrate resource evaluation and mine planning optimisation concepts within the marine environment.

CLOSING DATE OF TENDER:

Closing date of Tender: 30 September 2022 at 12h00

Businesses interested in providing such services are requested to obtain a tender document with Reference Number DBMNE0446, Advanced Geostatistics and Resource Evaluation Services. Tender documents should be requested from Tenders@debmarine.com in accordance with the date and time indicated above.

ELECTRONIC SUBMISSIONS:

Email Address: Tenders@debmarine.com

Subject: DBMNE0446- Advanced Geostatistics and Mineral Resource Evaluation Services.

File Type: PDF format

ENQUIRIES:

The Procurement Officer Tel: +264 61 297 8481

Email: Tenders@debmarine.com

Specify the Reference Number DBMNE0446

DISCLAIMER:

Debmarine Namibia shall not be responsible for any costs incurred in the preparation and submission of a response to this tender and furthermore reserves the right not to extend this tender into any future tenders, negotiations and or engagements.

Debmarine Namibia shall not accept submissions rendered after the closing date and time.