

KGN-SBP-010-2018

EXPRESSION OF INTEREST (EOI) FOR RESEARCH SERVICES FOR MINERAL EXTRACTION FROM GEOTHERMAL BRINE.

1. Background.

Kenya Electricity Generating Company PLC (KenGen) is a limited liability company, 70% owned by the Government of the Republic of Kenya. It is the leading electric power generation company in Kenya, producing about 80% of the electricity used in the country. It has a total installed capacity of 1,631MW with power plants located in different parts of Kenya. Over the years KenGen has invested heavily in generation of electricity using geothermal energy. All the geothermal plants owned by KenGen are single flash condensing type. The flashing process yields brine that contains mineral elements like silica that could have commercial application.

Owing to this KenGen invites expression of interest from eligible firms and entities to provide application research on mineral extraction from the geothermal brine.

2. Objectives.

To enhance value creation and sustainability of the geothermal reservoir, the company wishes to engage an eligible firm or consortium in the research into mineral extraction from Brine.

The objectives of the research are to:

- Provide practical applied research approaches to mineral extraction from brine
- Develop technological know-how on mineral extraction from brine.
- Facilitate and foster collaborative research, planning and development with a focus to piloting mineral extraction technology.

The research is focused on data collection, methodological development, instrument/equipment development in mineral extraction technology. All intellectual property developed through this process will belong to KenGen.

3. Scope of Services.

The scope of work and services for the research will include but not limited to the following:

- i Study the presence of commercially viable minerals in the separated brine. Establish the available quantities of those minerals, Demonstrate market need for those minerals locally, regionally and/or globally.
- ii Development of a mineral extraction technology for extracting the minerals from brine
- iii Application of the technology developed by designing and developing a pilot extraction plant to demonstrate the functionality of the technology.

4. Eligibility Criteria.

The expression of interest must be accompanied by the researcher's qualifications, professional capabilities and details of past experience related to the requested research services. Such information may include research papers, description of similar research projects, experience in similar conditions, and availability of appropriate skills among research team with their most recent profiles showing their experience, qualifications, capabilities, referees and details of past experience especially in their areas of expertise. This research requires the services of competent firms or entities knowledgeable in geochemistry, geology, mechatronics, electrical & mechanical engineering

Interested firms or entities should provide specific information as indicated below:

All bidders should provide,

1. Name of the firm and individual who will participate in the research and their role in all aspects of the research. To be submitted also are name(s) and position(s) of authorized representatives.
2. Firms, entities/universities are encouraged to collaborate. Those that jointly participate should submit proposed consortium agreements between the parties, with the roles of each party clearly defined. *(Not more than one consortium agreement of the same firms will be accepted.)*
3. Description of management/ organization structure, the Principal Researcher and list of key researchers relevant to the assignment and their Curriculum Vitae.
4. Provide proof of registration of the research institution of the researcher with relevant regulatory bodies.
5. A firm profile including background of the firm, organizational, structure and research work carried out.
6. List of relevant research & development projects carried out.
7. A complete description of the methodology and process to be used in carrying out the research.
8. Bidders must provide their company profile together with the certificate of registration/Incorporation in the country of domicile.

5. Clarifications.

Interested firms may request for clarification on this qualification for up to Seven (7) days before submission date. Any request for clarification must be sent in writing by paper, mail, facsimile or electronic mail to:

THE SUPPLY CHAIN DIRECTOR
Kenya Electricity Generating Company PLC
Kolobot Road, Parklands, KenGen RBS Pension Plaza II
P.O.BOX47936-00100 GPO Nairobi, Kenya
Tel: 254-020-3666000

Email: tenders@kengen.co.ke, and copied to dmuthike@kengen.co.ke,
pwambugu@kengen.co.ke,

6. Submission.

Submission of the prequalification documents made in English must be received in a plain sealed envelope clearly marked on the outer envelope “**CONFIDENTIAL –KGN-SBP-010-2018-EXPRESSION OF INTEREST (EOI) FOR RESEARCH SERVICES FOR MINERAL EXTRACTION FROM GEOTHERMAL BRINE**” and addressed to:

**The Company Secretary and Legal Affairs Director,
Kenya Electricity Generating Company PLC
10th Floor, KenGen Pension Phase II, Kolobot Road, Parklands, Stima Plaza ,
P.O.BOX 47936-00100 GPO Nairobi ,Kenya
Tel:254-020-3666204**

The submission must be dropped in Tender Box located at Ground Floor near Security Desk or on 10th floor KenGen Pension Plaza II in the Company secretary’s Office.

Bidders should submit one original and two (2) copies of the EOI before **22nd January 2019 at 10.00 hours**. The EOI will be opened on the same day in public at **10.30hrs**, (Kenyan time) at KenGen Pension Plaza II, Tender Opening Room, Ground Floor in the presence of bidders representative who choose to attend

The Expression of Interest can also be viewed and downloaded from our website www.kengen.co.ke; Bidders are advised to be checking the websites from time to time up to five (5) days before submission date for any uploaded information through clarification/addendum.

Only individuals pre-qualified under this procedure will be invited to submit their Technical and financial proposals under the Request for Proposals (RFP).

NOTE

KenGen adheres to high standards of integrity in its business operations.

Report any unethical behavior immediately to the provided anonymous hotline service.

Call Toll Free: 0800722626 Free Fax: 00800 007788

Email: kengen@tip-offs.com Website: www.tip-offs.com

SUPPLY CHAIN DIRECTOR