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RFQ Number	CRD_RFQ_20230526
Request for Quotation Date	06/06/2023
RFQ Closing Date	28/06/2023
RFQ Closing Time	16:00
Compulsory Site Briefing	N/A
Contact Person	Tankiso Modise: Tankiso.modise@necsa.co.za 012 305 5734 082 938 1032.
Quotation Validity	90 Days from the closing date
Submission Details	RFQ Response must be sent to: Catherine.matima@necsa.co.za ;
RFQ Description	SOUTH AFRICA MEDICAL WASTE TREATMENT MARKET AND WASTE TO ENERGY REPORT

Dear Service Provider

Kindly provide a quotation for goods and or services as outlined in section 2 of this document.

1. Introduction

The South African Nuclear Energy Corporation Limited (Necsa) is a state-owned public company (SOC), registered in terms of the Companies Act, (Act No. 61 of 1973), registration number 2000/003735/06.

The Necsa Group engages in commercial business mainly through its wholly-owned commercial subsidiaries: NTP Radioisotopes SOC Ltd (NTP), which is responsible for a range of radiation-based products and services for healthcare, life sciences and industry, and Pelchem SOC Ltd (Pelchem), which supplies fluorine and fluorine-based products. Both subsidiaries, together with their subsidiaries, supply local and global markets, earning valuable foreign exchange for South Africa and are among the best in their field in their respective world markets.

Necsa's safety, health, environment and quality policies provides for top management commitment to compliance with regulatory requirements of ISO 14001, OHSAS 18001 and RD 0034 (Quality and Safety Management Requirements for Nuclear Installations), ISO 9001 and ISO 17025.

Necsa promotes the science, technology and engineering expertise of South Africa and improves the public understanding of these through regular communications at various forums and outreach programmes to the community. We are a proudly South African company continuously striving, and succeeding in many respects, to be at the edge of science, technology and engineering related to the safe use of nuclear knowledge to improve our world.

For more information on Necsa, please visit: www.necsa.co.za

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2. Scope of Work

This document constitutes a Request for Quotation (RFQ) for a current Market Study on Medical Waste Generation, Collection, Treatment, Recycling and Disposal specifically in South Africa. Prospective service providers are invited to provide a quotation as per the Scope of Work outlined below:

The Deliverable is a Market Report entitled: Market Report on Medical Waste Generation, Collection, Treatment, Recycling and Disposal, which should contain, but not be limited to, the following:

1. MARKET LANDSCAPE
 - 1.1. INDUSTRY AND MARKET OVERVIEW
 - 1.1.1. Producers,
 - 1.1.2. Collectors,
 - 1.1.3. Treatment technologies (including, but not limited to, waste-to-energy technologies) and suppliers
 - 1.1.4. Recycling and
 - 1.1.5. Disposal
 - 1.2. KEY FINDINGS
 - 1.2.1. Key challenges (Problem Statement)
 - 1.2.2. Opportunities
2. PORTER'S FIVE FORCES ANALYSIS
 - 2.1. Bargaining power of suppliers (of medical waste treatment solutions)
 - 2.2. Threat of new entrants (medical waste treatment entities)
 - 2.3. Threat of substitutes (technology options)
 - 2.4. Competitive rivalry (level of competition)
 - 2.5. Bargaining power among buyers (medical waste producers)
3. MARKET DYNAMICS
 - 3.1. Drivers (of demand for medical waste treatment solutions)
 - 3.2. Restraints
 - 3.3. Opportunities
 - 3.4. COVID-19 Impact Analysis on Medical Waste Treatment Market
4. SOUTH AFRICA MEDICAL WASTE PRODUCERS MARKET
 - 4.1. Overview of public and private medical facilities
 - 4.2. Overview of categories of medical waste
 - 4.3. Tonnages of waste generated per facility
 - 4.4. Waste management practices by medical facilities
 - 4.5. Regulatory governance of medical waste at source

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5. SOUTH AFRICA MEDICAL WASTE TREATMENT MARKET BY SERVICE TYPE

5.1. COLLECTION

- Key players and business model
- Key market trends, growth factors and opportunities
- Market size (tonnages and market value) and forecast
- Cost analysis (per ton of waste)
- Regulatory overview

5.2. TREATMENT

- Comparative evaluation of treatment technologies (including but not limited to waste-to-energy technologies).
- Typical quantities treated per annum
- Key players and business model
- Key market trends, growth factors and opportunities
- Market size (tonnages and market value) and forecast
- Cost Analysis (per ton of waste: e.g. how much do medical facilities pay for waste treatment)
- Regulatory overview

5.3. DISPOSAL

- Analysis of disposal sites
- Typical quantities disposed of per annum
- Key players and business model
- Key market trends, growth factors and opportunities
- Market size (tonnages and market value) and forecast
- Cost analysis (per ton of waste)
- Regulatory overview

5.4. RECYCLING

- Overview of circular economy in relation to medical waste
- Typical quantities recycled per annum
- Key players and business model
- Key market trends, growth factors and opportunities
- Market size(tonnages and market value) and forecast,
- Cost Analysis (per ton of waste)
- Regulatory overview

5.5. OTHERS

- Key players and business model
- Key market trends, growth factors and opportunities
- Market size (tonnages and market value) and forecast
- Cost Analysis (per ton of waste)
- Regulatory overview

6. SOUTH AFRICA MEDICAL WASTE TREATMENT MARKET BY WASTE TYPE

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- 6.1. Market size (tonnages and market value) and forecast per waste type
- 6.2. Cost analysis per waste type
- 6.3. Treatment technologies per waste type
- 6.4. Quantities by waste type

7. SOUTH AFRICA MEDICAL WASTE TREATMENT MARKET BY APPLICATION

- 7.1. MEDICAL
 - Market size (tonnages and market value) and forecast,
- 7.2. CLINICAL SERVICES
 - Market size (tonnages and market value) and forecast,
- 7.3. GOVERNMENT CONTRACTS
 - Market size (tonnages and market value) and forecast,
- 7.4. OTHERS
 - Market size (tonnages and market value) and forecast,

8. SOUTH AFRICA MEDICAL WASTE TREATMENT MARKET BY DISPOSAL SITE

- 8.1. OFFSITE
 - Sites
 - Quantities
 - Market size (tonnages and market value) and forecast,
- 8.2. ONSITE
 - Sites
 - Quantities
 - Market size (tonnages and market value) and forecast,

9. COMPANY PROFILES

- Company overview
- Key Executives
- Company snapshot
- Operating business segments
- Product portfolio
- Business performance
- Key strategic moves and developments

10. ADDITIONAL SUBJECTS TO BE COVERED:

Waste to Energy that will cover the following;

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- Detailed and comprehensive forecast of the global market development by country until 2031
- Evaluation of annual new constructions and extensions, capacities, decommissioning and investment volumes
- Overview of more than 2,600 waste treatment plants and about 1,100 projects on a country-by-country basis
- Analysis of different treatment technologies
- Description and market shares of all important operators and technology providers
- Market factors and the analysis of current trends and challenges
- Investment and operational costs and revenues with exemplary calculations
- Explanation of backgrounds and operating modes of thermal waste treatment

3. Expected Deliverables

1. The Deliverable is a Market Report entitled: Market Report on Medical Waste Generation, Collection, Treatment, Recycling and Disposal
2. List of reference materials consulted in conducting the market study (Can be part of the report)
3. All data used in the report must be provided in excel spreadsheet

4. Duration

The duration of the market studies must not exceed four (4) months.

5. List of compulsory information and documentation

The potential suppliers should supply the following information and documentation in response to the RFQ, failure to do so will disqualify the potential supplier:

1. The service provider to indicate the sources of information to be used to carry out the market research (e.g. Desktop, Interviews, etc.).
2. Proof of registration with CSD

For further information regarding this matter, please contact Tankiso Modise at 012 305 5745 or 071 686 1379.

Email: Tankiso.Modise@necsa.co.za

6. Pricing

- All price quoted to include all applicable taxes.
- Price must be fixed and firm
- Price should include additional cost elements such as freight, insurance until acceptance, duty where applicable, disbursements etc.
- Quotation must be completed in full, incomplete quote could result in a quote being disqualified.

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- Payment will be according to Necsa's General Conditions of Purchase.

7. Evaluation

• Phase 1- Functionality Evaluation / Technical Evaluation

Where functional or technical evaluation criterion is applicable, assessment will be performed in terms of the criterion listed below and the criterion may include Technical, Performance, Quality and Risk.

If the Bidder's response to the Technical templates does not indicate that the Bidder can support an acceptable technical solution, the Bidder's response will be rejected and not evaluated further.

Together the Technical, Performance & Quality and Risk criteria make up the functionality criterion and a Bidder's Proposal will be evaluated for functionality out of a possible 100 points. Only RFQ responses achieving an evaluation score of greater than the set threshold points out of the possible 100 points and which score a number of points for functionality that is greater than or equal to the set threshold points of the number of points achieved by the highest scoring Bid for functionality will be selected to progress to the second stage.

The quotations will be evaluated according to the following selection criteria (based on information requested above):

Item	Requirement	Weight	Points	Criteria
1	Technical proposal Ability to provide the proposed market report as per the scope of work (Provide Summary understanding of what is required) Project Plan: The service provider is expected to provide a project plan to demonstrate how it will achieve the Scope of Work in Section 2 in its proposal, with specific focus on: • The key milestones will be used as the measure of performance in the project • The use of its resources to allocate tasks. The timing of deliverables (intermediate and final).	20	20	Project plan with detailed activities, milestones, timeframes and resources allocation.
			15	Project plan with detailed activities, milestones, timeframes but no resources allocated.
			10	Project plan with detailed activities, milestones but no timeframes and resources allocated.
			0	No project plan attached.

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Item	Requirement	Weight	Points	Criteria
2	Company Experience Traceable reference with compilation of market reports for Medical Waste Treatment (Number of Market Reports ()- including titles of reports and years provided and names clients). The reference letter to have: 1. Contact details of the company 2. Company logo 3. Purchase order amount 4. Nature of the service rendered by the supplier.	50	50	Four (4) reference letters from the companies the suppliers did the work for.
			40	Three (3) reference letters from the companies the suppliers did the work for.
			30	Two (2) reference letters from the companies the supplier did the work for.
			20	One (1) reference letter.
			0	1 No reference letter.
3	Team Members Experience Personnel to be involved in conducting market research related to medical waste treatment to submit their CVs detailing the experience in the scope of work. Combined experience of personnel to be involved in conducting market research related to Medical Waste Treatment (Minimum 20 years).	30	30	The combined experience of the team members is 20 years or more.
			20	The combined experience of the team members is <20 years => 15 years
			10	The team members combined experience is < 15 years => 10 years
			0	The combined team members experience is below 10 years
Total		100		

Note: A bidder/s that scores less than **80 points out of 100** in respect of functionality will be regarded as submitting a non-responsive bid and will be disqualified. Should the relevant bidder/s meet the minimum required percentage or minimum points, they will be evaluated as per Phase 2 evaluation outlined below.

- Phase 2 - Evaluation In Terms Of Preferential Procurement Policy Framework Act, 2022**

This bid will be evaluated and adjudicated according to the 80/20 point system, in terms of which a maximum of 80 points will be awarded for price and 20 points will be allocated based on the specific goals (B-BBEE status level).

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	POINTS
PRICE	80
SPECIFIC GOALS (B-BBEE status level)	20
Total points for Price and SPECIFIC GOALS	100

Preference goal

B-BBEE status level contributor

B-BBEE Status Level of Contributor	Number of points (80/20 system)
1	20
2	18
3	14
4	12
5	8
6	6
7	4
8	2
Non-compliant contributor	0

8. Required Documentation

- Tax Clearance Certificate (Tax pin issued by SARS)
- Declaration of interest (SBD 4)
- BEE Certificate / Applicable Affidavit if classified as EME
- Letter of Good Standing (COID) only if Applicable due to the nature of work required
- Any other document or certification that might have been requested on this RFQ

9. Important

- Quotation must be submitted on or before the RFQ closing date and time stated above.
- Orders above R 30 000 will be evaluated according to the PPPFA 80/20-point system and a functionality scorecard where applicable and the ones above R 1 Million will be subjected to the tender process.
- This RFQ is subjected to the Necsa's General Conditions of Purchase, Preferential Procurement Policy Framework Act 2000 and the Preferential Procurement Regulations, 2022, the General Conditions of Contract (GCC) and, if applicable, any other legislation or special conditions of contract

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- Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the bid, will be interpreted to mean that preference points for specific goals are not claimed.
- The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to specific goals, in any manner required by the purchaser.
- For a Bidder to obtain clarity on any matter arising from or referred to in this document, please refer queries, in writing, to the contact details provided above. Under no circumstances may any other employee within Necsa be approached for any information. Any such action might result in a disqualification of a response submitted in competition to this RFQ.
- No goods and/or services should be delivered to Necsa without an official Necsa Purchase order.
- Necsa reserves the right to; cancel or reject any quote and not to award the RFQ to the lowest Bidder or award parts of the RFQ to different Bidders, or not to award the RFQ at all.
- The supplier shall under no circumstances offer, promise or make any gift, payment, loan, reward, inducement, benefit or other advantage, which may be construed as being made to solicit any favour, to any Necsa employee or its representatives. Such an act shall constitute a material breach of the Agreement and the Necsa shall be entitled to terminate the Agreement forthwith, without prejudice to any of its rights
- By responding to this request, it shall be construed that: the bidder, hereby acknowledge to be fully conversant with the details and conditions set out in the Necsa's General Conditions of Purchase, Preferential Procurement Policy Framework Act 2000 and the Preferential Procurement Regulations, 2022, the General Conditions of Contract (GCC), Technical Information and Specifications attached, and hereby agree to supply, render services or perform works in accordance therewith