

Quotation Advert

Opening Date: 2020-05-28
Closing Date: 2020-06-05
Closing Time: 11:00

INSTITUTION DETAILS

Institution Name: Umgeni hospital
Province: KwaZulu-Natal
Department or Entity: Department of Health
Division or section: Central Supply Chain Management
Place where goods / services is required Umgeni Hospital - Maintenance Dept
Date Submitted 2020-05-27

ITEM CATEGORY AND DETAILS

Quotation Number: ZNQ:
30/20

Item Category: Services

Item Description:

ANNUAL CLEANING & REMEDIATION SERVICE FOR DIESEL STANDBY GENERATOR STORAGE TANKS -

- document will be distributed during compulsory site visit

Quantity (if supplies) 06

COMPULSORY BRIEFING SESSION / SITE VISIT

Select Type: Compulsory Site Visit

Date : 2020-06-02 2020/06/02 MH

Time: 11H00

Venue: UMGENI HOSPITAL, OLD MAIN Rd, HOWICK - MAINTENANCE DEPT

QUOTES CAN BE COLLECTED FROM: UMGENI HOSPITAL - SCM DEPT

QUOTES SHOULD BE DELIVERED TO: UMGENI HOSPITAL, OLD MAIN Rd, HOWICK - TENDER BOX @ MAIN GATE

ENQUIRIES REGARDING THE ADVERT MAY BE DIRECTED TO:

Name: Mr Zuma M
Email: Mxolisi.Zuma@kznhealth.gov.za
Contact Number:

Finance Manager Name:






033-3306146

Mr Mathobela MH

Finance Manager Signature:



No late quotes will be considered

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TECHNICAL REQUIREMENTS AND SCOPE OF WORK
FOR IN-SITU DIESEL FUEL STORAGE TANK CLEANING
AND DIESEL FUEL REMEDIATION

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NOTE TO CONTRACTORS

- No subcontracting of this service shall be allowed. Failure to comply shall result in the disqualification of this bid.
- Failure to complete all the relevant documentation in its entirety shall result in the disqualification of this bid. Please note documents marked as *RETURNABLE* must be submitted with all other relevant documentation.
- The KwaZulu-Natal Department of Health Infrastructure Development Directorate reserves the right to inspect the Contractors diesel fuel cleaning equipment and associated material, staff accreditation documents and valid Safety File at the Contractors premises prior to the awarding of any bids or **BEFORE** the commencement with any services.

RETURNABLE

SCHEDULE OF PRICES

Institution to strike through sections that are not applicable

To be completed by the relevant institution prior to the bid being issued for pricing.						To be completed by the Bidder
	Diesel Tank Location	Bulk Fuel Tank Capacity (In Litres)	Current fuel level of Bulk Fuel Tank (In Litres)	Day Tank Fuel Capacity (In Litres)	Current fuel level of Day Tank (In Litres)	Total Price
1	Generator No. 1					
2	Generator No. 2					
3	Generator No. 3					
4	Generator No. 4					
5	Generator No. 5					
6	Generator No. 6					
7	Generator No. 7					
8	Generator No. 8					
9						
Carry over to quotation page					R	

RETURNABLE

TECHNICAL REQUIREMENTS AND SCOPE OF WORK **FOR IN-SITU DIESEL FUEL STORAGE TANK CLEANING** **AND DIESEL FUEL REMEDIATION**

TECHNICAL REQUIREMENTS (Contractor to ensure):

- 1) Compliance with all legislated safety requirements pertaining to in situ sampling, diesel tank cleaning, fuel remediation and DOH site specific requirements.

These safety requirements shall comply with SANAS 10089 for in-situ underground bulk diesel fuel tanks and SANAS 11089/1 for in-situ aboveground bulk diesel fuel tanks.

- 2) Only proven accredited tank cleaning and fuel remediation equipment and technology to be utilised that has:
 - A processing flow rate of no less than 1:8 to tank volume ratio.
 - Full spectrum water extraction capability (free, entrained and emulsified).
 - BV accredited or similar Induction Conditioning fuel remediation technology.
 - Three phase filtration and separation filtration down to 3 micron.
 - Metallic particulate extraction.
- 3) Service personnel shall be trained, experienced and accredited tank cleaning operators suitably skilled in system operation, fuel remediation procedures and safety requirements.

Certified copies of all training documentation shall be provided at time of tender.

- 4) A process that results in minimal waste/disposal of fuel of less than 1% of tank capacity (excluding water sludge and inorganic debris).
- 5) All contaminated disposable fuels and materials shall be disposed of at an accredited site. Original documentation shall be provided to the KwaZulu-Natal Department of Health at the time of invoicing for work done. Failure to comply shall result in the delay of these payments.

RETURNABLE

SCOPE OF WORK:

Upon commencement of the service the appointed Contractor shall do the following:

1. Draw two bottom diesel tank samples of the diesel fuel prior to the commencement of the cleaning of the tanks. Samples shall be drawn utilising recognised diesel tank sampling equipment as per the DN10/07 procedure.
2. Samples shall be drawn from the tanks and sealed in the presence of the KwaZulu-Natal Departments Institutions Chief Artisan or his/her authorised designee.

The drawn samples shall be signed off by the relevant KZN Department of Health Institutions Chief Artisan or his/her authorised designee.

3. Samples shall be clearly labeled detailing, date, location and tank type and volume.
4. One sample to be supplied to the KwaZulu-Natal Departments Institutions Chief Artisan or his/her authorised designee.
5. Provide tank cleaning and fuel remediation services to the diesel tanks which will remove/remediate the following:
 - a) Tank bottom debris
 - b) Free, Entrained and Emulsified water
 - c) Solid contaminants
 - d) Bio-film build-up / accumulation on tank walls and if applicable on baffles, supports
 - e) Remediation of the fuel to comply with SANS 342 (excluding Sulphur content compliance and raising of flashpoint levels)
 - f) The Contractor shall provide specification sheets of tank cleaning equipment to be utilised.
 - g) The Contractor shall provide a list of chemicals and dosage ratios to be used in the tank cleaning and fuel remediation process utilising the MSDS sheets.

Upon completion of the service:

- 1) Draw samples again as per items 1 to 4 above and provide a sample to KwaZulu-Natal Departments Institutions Chief Artisan or his/her authorised designee. The other to be sent for SANS 342 laboratory analysis from a recognized laboratory.
- 2) The Contractor shall provide the name of the independently recognised test laboratory that shall be testing the diesel fuel samples.
- 3) Provide written confirmation of completion and successful remediation and cleaning per tank.
- 4) Record the volume of waste generated from each tank, remove from site and arrange for disposal at an accredited waste disposal facility.

RETURNABLE

- 5) Obtain departments duly appointed site representative signature on an appropriate document confirming the above per tank.
- 6) Provide an Independent SANS 342 laboratory analysis from a recognized accredited laboratory confirming fuels remediation status per tank (excluding Sulphur content compliance and raising of flashpoint levels).
- 7) Provide a waste disposal certificate confirming waste has been received from an accredited waste disposal facility for such waste.

Confirmation of Compliance

I (full name) _____

Identity No. _____

duly authorised to sign on behalf of (Company Name) _____

Company Reg. No. _____

Hereby confirm that I/we have read the requirements of this specification and will fully comply with this specification. I/We further confirm that I/We have the required technology and skills to perform the tasks.

Dated this _____ day of _____ 20____ at _____

Signature: _____

Witness:

Name _____ Signature _____

RETURNABLE

DIESEL FUEL TANK AND DIESEL FUEL CLEANING REGIME FOR IN-SITU STORAGE TANKS.

WORK METHOD STATEMENT

Upon arrival on site: Explain procedures to be followed.

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Drawing of diesel fuel sample: Explain procedures to be followed.

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Setting up and commencement of diesel fuel cleaning process: Explain the procedure to be followed.

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RETURNABLE

After completion of diesel fuel cleaning process: Explain the procedure to be followed.

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Signature of Contractor: _____

Name of Contractor: _____

Contractors Company Stamp:

Permission to Commence Work / Control Sheet Checklist

Items to confirm prior to issuing authorisation to commence with service

- 1) Tank cleaning equipment to be utilised conforms to the DOH Specification, Copies of Tank Cleaning Equipment Specification Sheets to be provided
- 2) Service personnel's accreditation documentation
- 3) Health & Safety File
- 4) Material Safety Data Sheets of Chemicals to be utilized.

Confirmation of Compliance

I (full name) _____ hereby

Confirm I have inspected the abovementioned equipment and documentation and confirm that it in compliance with the specification. The Contractor is hereby permitted to commence with the Scope of Work as per Order No.: _____

Dated this _____ day of _____ 20____ at _____

Signature: _____

Emergency Power Generator Diesel Fuel Analysis Report

SANS 17025: 2005

Institution: _____
Tank Type and Capacity: _____ (One report per tank)
Tank Serial / Reference Number: _____

Name of Company conducting cleaning regime and collecting of samples: _____
Name of Technician: _____
Sample Date: _____
Received Date: _____
Reported Date: _____
Type of Sample Container used: _____
Volume of sample taken in ml: _____
Fuel Sample ID Code: _____

Name of Laboratory conducting testing regime: _____
SANAS Accreditation Number: _____
Name of Technician: _____
Sample Date: _____
Received Date: _____
Reported Date: _____

NOTE: One test analysis sheet to accompany each individual fuel sample.

Each test analysis sheet and fuel sample to have the same ID code.

Test results shall be returned to the relevant institution and a copy thereof supplied to the office of the Manager - KZN DoH Infrastructure Development prior to payment being made to the Service Provider.

Provide a certificate stipulating volumes of waste contaminant removed from each tank and a safe disposal certificate from an accredited waste disposal facility for such waste. A copy thereof supplied to the Office of the Director - KZN Department of Health: Infrastructure Development – Maintenance and Engineering sub-directorate.

Page 10
Test Results

Tests	Sample No:	SANS 342:2006 Specification
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	Results	Units	Limits	Comments
Density @ 20°C (ASTM D 7042)*		Kg/L	0.800min	
Viscosity @ 40°C (ASTM D7042)*		cST	2.2-5.3	
Flashpoint (ASTM D 93)*		°C	55 min	
Water Content (ASTM D604)		%	0.05 max	
90% Recovery Temp. (ASTM D86)*		°C	362 max	
Total Contamination (IP40)*		Mg/Kg	24 max	
Sulphur (ASTM D4294)*		ppm	500 max	
Residue (ASTM D86)*		%		
Cetane Index (ASTM D976)*				
* Not an Accredited SANAS Method				

Visual Inspection / Additional Tests

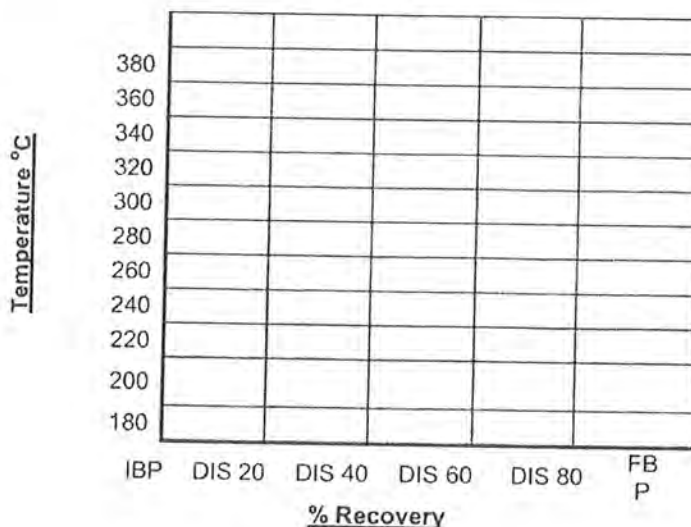
	Unit	Result	Comments
Free Water			
Colour			
Appearance			
Bacteria Content			
Total Acid Number	mgKOH/g		
IP Contamination			

Distillation & Graph

Insert reading in relevant column on left and project values onto the graph on right

Distillation Data

IBP	
10	
20	
30	
40	
50	
60	
70	
80	
90	
FBP	
Rec %	



Diagnosis / Remarks

RESULT: PASS / FAIL (circle relevant item)

Name & Signature _____ Date: _____
 Laboratory Technician

 Company Stamp