

Petroleum Agency SA

EXPLORE SOUTH AFRICA



APPOINTMENT OF A SERVICE PROVIDER FOR SERVICES OF A DRILLING CONTRACTOR FOR THE INSTALLATION AND REHABILITATION OF SHALLOW GROUNDWATER MONITORING BOREHOLES THAT WILL FORM PART OF THE REGIONAL GROUNDWATER MONITORING NETWORK.

TENDER REFERENCE NUMBER: PASA-T-2026-05

ISSUED DATE: 23 SEPTEMBER 2025

NON-COMPULSORY BRIEFING SESSION: 29 SEPTEMBER 2025 AT 10:00

CLOSING DATE OF THE TENDER: 14 OCTOBER 2025 AT 12H00

NON-COMPULSORY BRIEFING SESSION: 120 DAYS FROM THE CLOSING DATE

ELECTRONIC SUBMISSIONS: tender@petroleumagencyrsa.com

**ADDRESS: PETROLEUM AGENCY SA
FIRST FLOOR HERONS PLACE
HERON CLOSE
CENTURY CITY
7441**



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SECTION I: INVITATION TO TENDER

Tender Name: **Appointment of a service provider for services of a Drilling Contractor for the Installation and Rehabilitation of Shallow Groundwater Monitoring Boreholes that will form part of the Regional Groundwater Monitoring Network.**

Tender Reference: **PASA-T-2026-05**

1. Petroleum Agency SA is inviting bids from service providers for: **Appointment of a service provider for services of a Drilling Contractor for the Installation and Rehabilitation of Shallow Groundwater Monitoring Boreholes that will form part of the Regional Groundwater Monitoring Network.**
2. The tender information is available at no cost, interested bidders can download the tender from the website www.petroleumagencysa.com , SCNET and National Treasury e-Tender portal.
3. Prices quoted should be inclusive of all taxes, must be in South African Rand currency (ZAR), and shall remain valid for one hundred twenty (120) days from the closing date of the tender. Quotations in foreign currency shall be converted to Rand value for cost evaluation.
4. There will be a non-compulsory briefing session on the **29 September 2025 at 10h00.**
5. The closing date for submissions is **14 October 2025 AT 12h00.**
6. There will be no public opening of bids. Feedback will be provided by e-mail to the respective bidders.

SECTION II: TENDER FORM

Dear Sir/Madam,

RE: Appointment of a service provider for services of a Drilling Contractor for the Installation and Rehabilitation of Shallow Groundwater Monitoring Boreholes that will form part of the Regional Groundwater Monitoring Network.

Tender: PASA-T-2026-05

I have read the conditions of the tender and do hereby offer to tender for the: **Appointment of a service provider for services of a Drilling Contractor for the Installation and Rehabilitation of Shallow Groundwater Monitoring Boreholes that will form part of the Regional Groundwater Monitoring Network.** with the said terms and conditions for the total tendered contract sum of:

..... (Inclusive/ Exclusive of VAT).

In words (Inclusive / Exclusive of VAT)

I, the undersigned, have read the tender document number I further represent and warrant that I am empowered and duly authorized to execute this tender on behalf of the tenderer and this offer will remain in effect for at least one hundred and twenty (120) days from the closing date of the tender.

I, the undersigned, understand that Petroleum Agency SA is not bound to accept the lowest offer nor will any expenses incurred by the tenderer in connection with preparing and submitting this tender be borne by Petroleum Agency SA.

SIGNATURE OF THE BIDDER

Signature(s) of Bidder or assignees(s)

Date

Name of Signing Person

Capacity

Name of Bidder (Company Name): _____

Postal Address of the bidder:

.....
.....
.....

Full Street Address of the bidder:

.....
.....
.....
.....

Telephone Number: _____

Fax Number: _____

E-Mail Address: _____

SECTION III: INSTRUCTIONS TO BIDDERS

1. ELIGIBLE BIDDERS

1.1 Purpose

1.1.1 The purpose of this invitation to tender is to solicit proposals from potential bidders for the **Appointment of a service provider for services of a Drilling Contractor for the Installation and Rehabilitation of Shallow Groundwater Monitoring Boreholes that will form part of the Regional Groundwater Monitoring Network.**

1.1.2 Bidders involved in fraudulent or corrupt practices as well as bidders barred by National Treasury from participating in public procurement shall not be eligible.

1.2 Acceptance of Request for Proposal

The bidder's participation in the bidding process is deemed to constitute acknowledgement and acceptance by the bidder of the terms and conditions contained in this tender document.

1.3 Preparation Costs

The Bidder will bear all its costs in preparing, submitting and presenting any response or Tender to this bid and all other costs incurred by it throughout the bid process. Furthermore, no statement in this bid will be construed as placing Petroleum Agency SA, its employees or agents under any obligation whatsoever, including in respect of costs, expenses or losses incurred by the bidder(s) in the preparation of their response to this bid.

1.4 Invitation not an offer

This tender does not constitute an offer to do business with Petroleum Agency SA but merely serves to facilitate a requirement-based decision process.

1.5 Clarification of Tender Information

Prospective bidders making enquiries on the tender information may notify Petroleum Agency SA by e-mail only at the e-mail address indicated in the Invitation to Tender.

1.6 Language

The tender prepared by the bidder, including correspondences and documents relating to the tender by the bidder and the Agency shall be written in English language.

1.7 Pricing

1.7.1 The bidder shall indicate on the price schedule the relevant unit prices and the total tender price under contract.

1.7.2 Prices quoted by the bidder should be inclusive of all taxes; in South African Rand currency and shall remain fixed during the term of the contract unless otherwise agreed by both parties.

1.7.3 Petroleum Agency SA will not be held responsible for any delay or loss of documents in transit.

1.7.4 Products or services offered should conform to Petroleum Agency SA specifications.

1.8 Bid Validity

- 1.8.1 Bids shall remain valid for a period of one hundred and twenty (120) days after the closing date of the tender.
- 1.8.2 Petroleum Agency SA shall reject a tender valid for a shorter period.

1.9 Closing Date and address for submissions

- 1.9.1 The deadline for the submission of the bids is **12h00 on the 14 October 2025**.

Bids can either be submitted electronically to tender@petroleumagency.co.za or alternatively, bids can be submitted to the physical address, Petroleum Agency SA, First Floor Herons Place, Heron Close, Century City Cape Town, South Africa.

Bidders submitting proposal via SCNET should copy
tender@petroleumagency.co.za

- 1.9.2 Bids received after the closing date and time will not be accepted for consideration.

1.10 Supplier Due Diligence

Petroleum Agency SA reserves the right to conduct supplier due diligence prior to final award on the contract. This may include site visits.

1.11 Awarding of Contract

Petroleum Agency SA will award the contract to the successful bidder subject to proven relevant experience providing the required services including the ability to deliver effective and reliable services that has also been determined to be the most economically advantageous tender. The successful tenderer shall not be insolvent, in dissolution, bankrupt or in the process of being wound up and is not the subject of legal proceedings relating to the foregoing.

1.12 Agency Discretion

- 1.12.1 Petroleum Agency SA reserves the right to cancel the tendering process and reject all tenders at any time, whether before or after the Tender Closing Date without attracting any liability.
- 1.12.2 Petroleum Agency SA is not bound to accept the lowest price(s) quotation.

1.13 Validity of Information

- 1.13.1 Petroleum Agency SA has made reasonable efforts to ensure accuracy in compiling this tender document. However, neither Petroleum Agency, nor its employees or agents will be held liable to the bidder or any third party for any inaccuracy or omission in the tender or in respect of any additional information Petroleum Agency SA may provide to the bidder as part of the tendering process.
- 1.13.2 The Bidder is deemed to have examined this tender and any other information supplied by Petroleum Agency SA to the bidder and to have satisfied itself as to the correctness and sufficiency of such before submitting its proposal.

2. TAX COMPLIANCE REQUIREMENTS

2.1 Taxation

- 2.1.1 Bidders must ensure compliance with their tax obligations.
- 2.1.2 Bidders are required to submit their unique personal identification number (pin) issued by SARS to enable the organ of state to verify the taxpayer's profile and tax status.
- 2.1.3 Application for tax compliance status (TCS) pin may be made via e-filing through the SARS website www.sars.gov.za
- 2.1.4 Bidders may also submit a printed TCS certificate together with the bid.
- 2.1.5 In bids where consortia/ joint ventures / sub-contractors are involved, each party must submit a separate TCS certificate / pin / CSD number.
- 2.1.6 Where no TCS pin is available, but the bidder is registered on the Central Supplier Database (CSD), a CSD number must be provided.

2.2 Procurement Legislation

Petroleum Agency SA has a detailed evaluation methodology premised on Treasury Regulation 16A3 promulgated under Section 76 of the Public Finance Management Act, 1999 (Act, No. 1 of 1999), the Preferential Procurement Policy Framework Act 2000 (Act, No.5 of 2000) and the Broad-Based Black Economic Empowerment Act, 2003 (Act, No. 53 of 2003).

3. BRIEFING SESSION

Non-compulsory briefing session to be held on 29 September 2025 at 10h00. The meeting will be held via Microsoft Teams using this link. [Join the meeting now](#)

4. CONTACT AND COMMUNICATION

- 4.1 A nominated official of the bidder(s) can make enquiries in writing, via email tender@petroleumagencysa.com.
- 4.2 Any communication to an official or a person acting in an advisory capacity for Petroleum Agency SA in respect of the bid between the closing date and the award of the bid by the Bidder(s) is discouraged.
- 4.3 All communication between the Bidder(s) and Petroleum Agency SA must be done in writing.
- 4.4 If Bidder(s) finds or reasonably believes it has found any discrepancy, ambiguity, error or inconsistency in this bid or any other information provided by Petroleum Agency SA (other than minor clerical matters), the Bidder(s) must promptly notify Petroleum Agency SA in writing of such discrepancy, ambiguity, error or inconsistency in order to afford Petroleum Agency SA an opportunity to consider what corrective action is necessary (if

any).

- 4.5 Any actual discrepancy, ambiguity, error or inconsistency in the bid or any other information provided by Petroleum Agency SA will, if possible, be corrected and provided to all Bidder(s) without attribution to the Bidder(s) who provided the written notice.
- 4.6 All persons (including Bidder(s)) obtaining or receiving the bid and any other information in connection with the Bid or the Tendering process must keep the contents of the Bid and other such information confidential, and not disclose or use the information except as required for the purpose of developing a proposal in response to this Bid.

5. COUNTER CONDITIONS

Bidders' attention is drawn to the fact that amendments to any of the Bid Conditions or setting of counter conditions by Bidders or qualifying any Bid Conditions will result in the invalidation of such bids.

6. FRONTING

- 6.1 Government supports the spirit of broad based black economic empowerment and recognizes that real empowerment can only be achieved through individuals and businesses conducting themselves in accordance with the Constitution and in an honest, fair, equitable, transparent and legally compliant manner. Against this background, the Government condemn any form of fronting.
- 6.2 The Government, in ensuring that Bidders conduct themselves in an honest manner will, as part of the bid evaluation processes, conduct or initiate the necessary enquiries/investigations to determine the accuracy of the representation made in bid documents. Should any of the fronting indicators as contained in the Guidelines on Complex Structures and Transactions and Fronting, issued by the Department of Trade and Industry, be established during such enquiry / investigation, the onus will be on the Bidder / contractor to prove that fronting does not exist. Failure to do so within a period of fourteen (14) days from date of notification may invalidate the bid / contract and may also result in the restriction of the Bidder /contractor to conduct business with the public sector for a period not exceeding ten years, in addition to any other remedies Petroleum Agency SA may have against the Bidder / contractor concerned.

SECTION IV: GENERAL CONDITIONS OF CONTRACT

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1. Definitions

The following terms shall be interpreted as indicated:

- 1.1 "Closing time" means the date and hour specified in the bidding documents for the receipt of bids.
- 1.2 "Contract" means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- 1.3 "Contract price" means the price payable to the supplier under the contract for the full and proper performance of this contractual obligation.
- 1.4 "Corrupt practice" means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.
- 1.5 "Countervailing duties" are imposed in cases where an enterprise abroad is subsidized by its government and encouraged to market its products internationally.
- 1.6 "Country of origin" means the place where goods were mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basis characteristics or in purpose or utility from its components.
- 1.7 "Day" means calendar day.
- 1.8 "Delivery" means delivery in compliance of the conditions of the contract or order.
- 1.9 "Delivery ex stock" means immediate delivery directly from stock actually on hand.
- 1.10 "Delivery into consignees store or to his site" means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the supplies are so delivered and a valid receipt is obtained.
- 1.11 "Dumping" occurs when a private enterprise abroad markets its good on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the RSA.
- 1.12 "Force majeure" means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or resolutions, fires floods, epidemics, quarantine restrictions and freight embargoes.

- 1.13 "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.
- 1.14 "GCC" mean the General Conditions of Contract.
- 1.15 "Good" means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.
- 1.16 "Imported content" means that portion of the bidding price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well transportation and handling charges to the factory in the Republic where the supplies covered by the bid will be manufactured.
- 1.17 "Local content" means that portion of the bidding price, which is not included in the imported content provided that local manufacture does take place.
- 1.18 "Manufacture" means the production of products in a factory using labour, materials components and machinery and includes other related value-adding activities.
- 1.19 "Order" means an official written order issued for the supply of goods or works or the procuring of a service.
- 1.20 "Project site" where applicable, means the place indicated in bidding documents.
- 1.21 "Purchaser" means the organization purchasing the goods.
- 1.22 "Republic" means the Republic of South Africa.
- 1.23 "SCC" means the Special Conditions of Contract.
- 1.24 "Services" means those functional services ancillary to the supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance, training, catering, gardening, security, maintenance and other such obligations of the supplier covered under the contract.
- 1.25 "Written" or "in writing" means handwritten in ink or any form of electronic or mechanical writing.

2. Application

2.1 These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services, sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents.

2.2 Where applicable, special conditions of contract are also laid down to cover specific supplies, services or works.

2.3 Where such special conditions of contract are in conflict with these general conditions, the special shall apply.

2.4 Bidders are obliged to comply with the GCC and SCC where relevant to their submission.

3. General

Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid. Where applicable a non-refundable fee for documents may be charged.

4. Standards

The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.

5. Use of contracts documents and information

5.1 The supplier shall not, without the purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only as far as may be necessary for purposes of such performance.

5.2 The supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract.

5.3 Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract if so required by the purchaser.

5.4 The supplier shall permit the purchaser to inspect the supplier's records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.

6. Patent rights

6.1 The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods or any part thereof by the purchaser.

7. Performance Security

7.1 Within thirty (30) days of receipt of the notification of contract award, the successful bidder shall furnish to the purchaser the performance security of the amount specified in GCC.

- 7.2 The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contracts
- 7.3 The performance security shall be denominated in the currency of the contract, or in freely convertible currency acceptable to the purchaser and shall be in one of the following:
- (a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another form acceptable to the purchaser; or
 - (b) a cashier's or certified cheque.
- 7.4 The performance security will be discharged by the purchaser and returned to the supplier not later than thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified in SCC.

8. Inspections, tests and analyses

- 8.1 All pre-bidding testing will be for the account of the bidder.
- 8.2 If it is a bid condition that supplies to be produced or services to be procured should at any stage during production or execution or on completion be subject to inspection, the premises of the bidder or contractor shall be open, at all reasonable hours, for inspection by a representative of the Company or an organization acting on behalf of the Company.
- 8.3 If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period, it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payments arrangements with the testing authority concerned.
- 8.4 If the inspection, test and analyses referred to in clauses 8.2 and 8.3 show the supplies to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.
- 8.5 Where the supplies or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such supplies or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.
- 8.6 Supplies and services, which are, referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements, may be rejected.
- 8.7 Any contract supplies may, on or after delivery, be inspected; tested or analyzed and may be rejected if found not to comply with the requirements of the contract. Such rejected supplies shall be held at the cost and risk of the supplier who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with supplies which do comply with the requirements of the contract. Failing such removal, the rejected supplies shall be returned at the suppliers' cost and risk. Should the supplier fail to provide the substitute supplies forthwith, the purchaser may without giving the supplier further opportunity to substitute the rejected supplies purchase such supplies as may be necessary at the expense of the supplier.
- 8.8 The provisions of clauses 8.4 to 8.7 shall not prejudice the right of the purchaser to cancel the contract on account of a breach of the conditions thereof, or to act in terms of Clause 23 of GCC.

9. Packing

- 9.1 The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitations during transit, and open storage. Packing, case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.
- 9.2 The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the purchaser.

10. Delivery and documents

Delivery of the goods shall be made by the supplier in accordance with the terms specified in the contract. The details of shipping and/or other documents to be furnished by the supplier are specified in SCC.

11. Insurance

The goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in the SCC.

12. Transportation

Should a price other than an all-inclusive delivered price be required, this shall be specified in the SCC.

13. Incidental services

- 13.1 The supplier may be required to provide any or all of the following services, including additional services, if any specified in SCC:
- (a) performance or supervision of on-site assembly and/or commissioning of the supplied goods;
 - (b) furnishing of tools required for assembly and/or maintenance of the supplied goods;
 - (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods;
 - (d) performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty obligations under this contract; and
 - (e) training of the purchaser's personnel, at the supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.
- 13.2 Prices charged by the supplier for incidental services, if not included in the contract price for the goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier for similar services.

14. Spare parts

- 14.1 As specified in SCC, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the supplier:

- (a) such spare parts as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and
- (b) in the event of termination of production of the spare parts:
 - (i) Advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and
 - (ii) Following such termination, furnishing at no cost to the purchaser, the blueprints, drawings and specifications of the spare parts, if requested.

15. Warranty

- 15.1 The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.
- 15.2 This warranty shall remain valid twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.
- 15.3 The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.
- 15.4 Upon receipt of such notice, the supplier shall, with the period specified in SCC and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to be purchaser.
- 15.5 If the supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.

16. Payment

- 16.1 The method and conditions of payment to be made to the supplier under this contract shall be specified in SCC.
- 16.2 The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfilment of other obligations stipulated in the contract.
- 16.3 Payments shall be made promptly by the purchaser, but in no case later than thirty (30) days after submission of an invoice or claim by the supplier.
- 16.4 Payment will be made in Rand unless otherwise stipulated in SCC.

17. Prices

Prices charged by the supplier for goods delivered and services performed under the contract shall not vary from the prices quoted by the supplier in his bid, with the exception of any price adjustments authorized in SCC or in the purchaser's request for bid validity extension, as the case may be.

18. Contract Amendments

No variation in or modification of the terms of the contract shall be made except by written amendment signed by the parties concerned.

19. Assignment

The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.

20. Subcontracts

The supplier shall notify the purchaser in writing of all subcontracts awarded under this contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the supplier from any liability or obligation under the contract.

21. Delays in the supplier's performance

- 21.1 Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract.
- 21.2 If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.
- 21.3 No provision in a contract shall be deemed to prohibit the obtaining of supplies or services from a national department, provincial department, or local authority.
- 21.4 The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the supplier's point of supply is not situated at or near the place where the supplies are required, or the supplier's services are not readily available.
- 21.5 Except as provided under GCC clause 25, a delay by the supplier in the performance of its delivery obligations shall procure the supplier liable to the imposition of penalties, pursuant to GCC clause 22, unless an extension of time is agreed upon pursuant to GCC clause 21.2 without the application of penalties.
- 21.6 Upon any delay beyond the delivery period in the case of a supplies contract, the purchaser shall, without cancelling the contract, be entitled to purchase supplies of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier.

22. Penalties

Subject to GCC clause 25, if the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using the current prime interest rate calculated for each day of the delay until actual delivery or

performance. The purchaser may also consider termination of the contract pursuant to GCC clause 23.

23. Termination for default

- 23.1 The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part:
- (a) if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC clause 21.2;
 - (b) if the supplier fails to perform any other obligation(s) under the contract; or if the supplier, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.
- 23.2 In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the supplier shall continue performance of the contract to the extent not terminate.

24. Anti-dumping and countervailing duties and rights

When, after the date of bid, provisional payments are required, or anti-dumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped or subsidized import, the State is not liable for any amount so required or imposed, or for the amount of any such increase. When, after the said date, such a provisional payment is no longer required or any such anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favorable difference shall on demand be paid forthwith by the contractor to the State may deduct such amounts from moneys (if any) which may otherwise be due to the contractor in regard to supplies or services which he delivered or procured, or is to deliver or procure in terms of the contract or any other contract or any other amount which may be due to him.

25. Force Majeure

- 25.1 Notwithstanding the provisions of GCC clauses 22 and 23, the supplier shall not be liable for forfeiture or its performance security, damages or termination for default if and to the extent that his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure.
- 25.2 If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.

26. Termination for insolvency

The purchaser may at any time terminate the contract by giving written notice to the supplier if the supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to the purchaser.

27. Settlement of Disputes

- 27.1 If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.
- 27.2 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party.
- 27.3 Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.
- 27.4 Mediation proceedings shall be conducted in accordance with the rules or procedure specified in the SCC.
- 27.5 Notwithstanding any reference to mediation and/or court proceedings herein,
- (a) the parties shall continue to perform their respective obligations under the contract unless they otherwise agree; and
 - (b) the purchaser shall pay the supplier any monies due the supplier.

28. Limitation of liability

- 28.1 Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to clause 6;
- (a) the supplier shall not be liable to the purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss or use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser; and
 - (b) the aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.

29. Governing language

The contract shall be written in English. All correspondence and other documents pertaining to the contract that is exchanged by the parties shall also be written in English.

30. Applicable law

The contract shall be interpreted in accordance with South African laws, unless otherwise specified in SCC.

31. Notices

- 31.1 Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice.
- 31.2 The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice

32. Taxes and duties

- 32.1 A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country.
- 32.2 A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser.
- 32.3 No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid the Company must be in possession of a tax clearance certificate, submitted by the bidder. This certificate must be an original issued by the South African Revenue Services.

33. National Industrial Participation (NIP) Programmer

The NIP Programme administered by the Department of Trade and Industry shall be applicable to all contracts that are subject to the NIP obligation.

34. Prohibition of Restrictive practices

- 34.1 In terms of section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder (s) is / are or a contractor(s) was / were involved in collusive bidding (or bid rigging).
- 34.2 If a bidder(s) or contractor(s), based on reasonable grounds or evidence obtained by the purchaser, has / have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in the Competition Act No. 89 of 1998.
- 34.3 If a bidder(s) or contractor(s), has / have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and / or terminate the contract in whole or part, and / or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and / or claim damages from the bidder(s) or contractor(s) concerned.

SECTION V: SPECIFICATIONS

SCOPE OF WORK REQUIRED

APPOINTMENT OF A SERVICE PROVIDER FOR SERVICES OF A DRILLING CONTRACTOR FOR THE INSTALLATION AND REHABILITATION OF SHALLOW GROUNDWATER MONITORING BOREHOLES THAT WILL FORM PART OF THE REGIONAL GROUNDWATER MONITORING NETWORK.

1. BACKGROUND

The Petroleum Agency SA (hereinafter referred to as the “Agency”) initiated the design and implementation of a regional groundwater monitoring network (RGWMN) project to develop an understanding of baseline groundwater conditions and aquifer systems of the Karoo Basin. The RGWMN covers the area currently mapped as the ‘sweet spot’ for shale gas resources (see map in Annexure 1). The area covers an approximate surface area of 80,000 km² in extent. The information to be gathered is pivotal in developing the regulatory framework for shale gas development (SGD), informing decision-making on exploration right applications received in the Karoo Basin, and monitoring the effects of SGD in the aquifer systems, provided rights are granted.

Various milestones, including the completion of the network design, site characterisation, geophysics and hydrocensus, have been completed to date. This work has identified gaps and areas in the monitoring network that could compromise its integrity. These include areas identified to have inadequate groundwater borehole coverage, variable aquifer yields, and the occurrence of dolerite sills and dyke. The gaps in the monitoring network can only be addressed by installing additional groundwater monitoring boreholes.

2. SCOPE

The potential drilling contractor is required to do as specified in the scope of requirements :

- **Drill groundwater monitoring boreholes:** Up to 20 boreholes ranging in depth from 150 m to 300 m will be drilled throughout the study area
- **Rehabilitate a maximum of five (5) existing boreholes** located in a shallow aquifer (up to 300 m) so that they are fit for the network and enable continuous monitoring. The appointed service provider will also be required to rehabilitate some of the existing groundwater boreholes so that they are suitable for continuous sampling and monitoring. This involves restoring a borehole that is no longer in use or has a flow rate that is too low back to its initial state. Any rehabilitation must be preceded by video logging. The borehole rehabilitation is limited to development and chemical treatment, if required, to unclog the boreholes. This activity constitutes a minor component of the overall scope of work and is scored accordingly.

3. AREAS EARMARKED FOR DRILLING

The study for the groundwater monitoring network is outlined as the areas within which likely prospective shale gas occurrences may occur, as denoted on the map below (refer to Annexure 1). This area forms the overall extent of the groundwater monitoring network design covering the Eastern, Northern, and Western Cape Provinces. The map includes the targeted areas for drilling in the sedimentary formations

of the Main Karoo Basin, including public and private land. This map is supported by the KMZ file attached to the bidding documents. The areas earmarked for drilling and borehole installation, including borehole rehabilitation, are in the vicinity of the towns of Merweville, Leeu Gamka, Rietbron, Beaufort West, Nelspoort, Aberdeen, Graaf-Reinet, Pearston, Nieu-Bethesda, Murraysburg, Middelburg, associated dykes in the area, Cradock, and Molteno. These areas were identified based on geological suitability, site access, and regional groundwater monitoring priorities linked to future shale gas development considerations.

The bidders must note that the client's representative is arranging access and permission for the sites.

4. EXPECTED COMPLETION OF THE DRILLING PROGRAMME AND RELATED WORK

The proposal is directed towards drilling contractors that own/lease, and operate drilling rigs. The drilling contractor must note the contract period of 12 months from the date of appointment. It is hence imperative that the bidders, in their proposals, demonstrate the ability to complete the prescribed scope of work within the allocated time frame through resource allocation, which includes machinery, other equipment, and human resources (details on experienced drilling teams), with adherence to industry standards and relevant legislation. The bidders are allowed to form a joint venture/consortium to meet the scope of work. The bidder is expected to have two or more experienced teams on site at any given time. In case of a joint venture/consortium submission, the applicant shall submit a Joint Venture agreement signed by all parties.

The drilling contractors must indicate the following:

- The number and composition of the drilling teams in their employ.
- The experience/track record of the drilling teams to complete 150m and/or 300m boreholes in competent lithologies such as Karoo rocks.
- The drilling equipment available / owned (with documentary proof)
- The capability of the drilling equipment to successfully drill to 150m and/or 300m in competent lithologies with potentially significant water strikes

5. COMPETENCY AND EXPERTISE REQUIRED

The preferred service provider is expected to:

- Have at least 10 years of experience in undertaking drilling in hard-rock aquifers (highly brecciated, high-yielding with elevated artesian pressures).
- Have at least five (5) years of experience in undertaking drilling in unconsolidated aquifers using rotary mud drilling.
- Have completed the successful rehabilitation of a minimum of three (3) water production boreholes using chemical and mechanical methods.
- Preferably be registered with the Construction Industry Development Board (CIBD) with a

contractor grading designation in the 5CE class of construction or higher.

- Demonstration of the implementation of the SABS standards for the groundwater industry listed in SANS 10299: 2003 – Development, Maintenance and Management of Groundwater Resources, will have an added advantage.
- Registration as a member of the Borehole Water Association will be an added advantage.

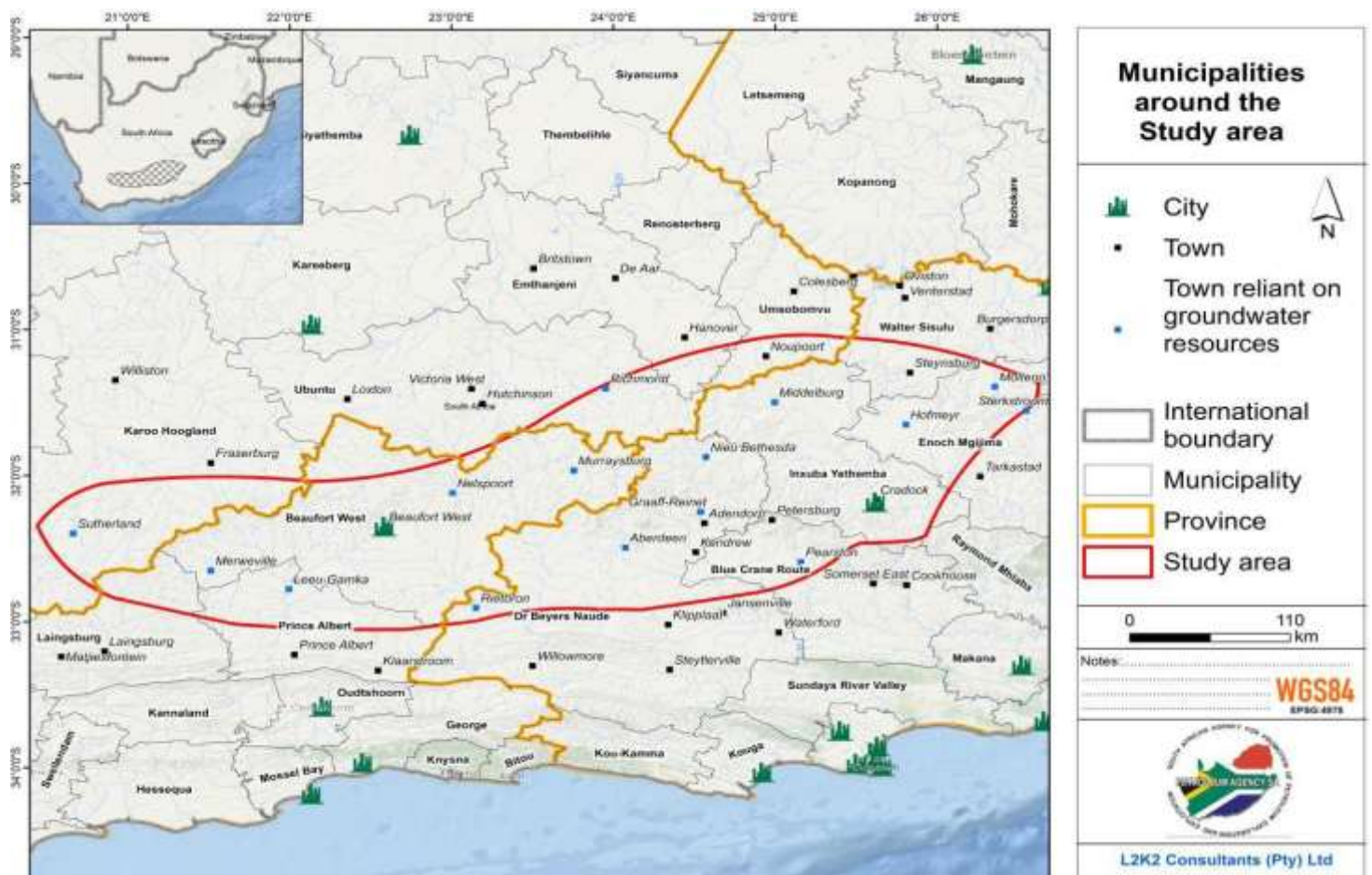
6. INFORMATION TO BE CONSIDERED WHEN PREPARING PROPOSALS (ANNEXURE 2)

Detailed information supplementary to the scope of work indicated in section 2 above is contained in Annexure 2 below. The bidders must consider the information provided to submit sound proposals meeting the Agency's expectations. Information provided relates to the following:

- a) Specifications and the Bill of Quantities,
- b) Key geological units targeted,
- c) Expected drilling conditions,
- d) Site camp requirements, and
- e) Safety, Health and Environmental considerations.

ANNEXURE 1:

Locality map of the areas earmarked for drilling



ANNEXURE 2

A. Specifications and Bill of Quantities

A1. Specifications

This contract is for the drilling of monitoring boreholes and the rehabilitation of boreholes associated with several projects and areas, as will be detailed in subsequent work orders. This specification does not replace, take precedence over, or detract from the standard good drilling practice. Nothing in this specification shall relieve the contractor of any obligations or responsibilities concerning quality and good practices on site.

The final number of boreholes, drilling methodology, and drilling depths at each site will depend on the hydrogeological conditions as determined through the evaluation of existing boreholes, as well as the findings of geophysical assessments and site characterisation undertaken by L2K2. The design and construction of a borehole depend on the geology, water strikes and the purpose of the borehole. Therefore, generic recommendations for drilling and constructing the groundwater monitoring boreholes are provided below. In particular, the casing requirements (i.e. depth and thickness) and the depth of the screened casing (allowing water to enter the borehole) will be decided upon based on the geology and water strikes encountered during drilling.

The borehole construction should ensure the highest yield at a minimum drawdown, not influence the water quality, and ensure longevity (e.g., the collapse of the borehole) and cost-effectiveness. The construction typically includes the casing, slotted casing or screens, material selection, gravel pack and appropriate wellhead design. The borehole drilling, equipping and completion process must adhere to relevant industry standards/guidelines.

The drilling requirements are:

- Boreholes drilled to a depth of 300 m.
 - o The final casing inside diameters (ID) will be 165 mm, with a starting diameter of 254 mm
 - o Percussion drilling is deemed sufficient up to 300 m in depth.

The project hydrogeologist will provide the drilling contractor with a proposed borehole construction for each drill target, which will be discussed with the drilling contractor. The contractor will then receive the final borehole construction details in writing via work orders.

The drilling contractors should keep a Logbook or Site Diary on site for each borehole, detailing the following:

- The exact location of the boreholes
- Geology, lithologies and structures (fractures, faults). The contractor must collect a representative sample of the stratigraphy every 1 meter and lay it on the ground for further sampling by the client representative. The contractor is to provide transparent sample bags, which must be clearly labelled with waterproof ink.
- Penetration rate
- Water strikes
- A water sample needs to be taken after borehole development.
- Field chemistry needs to be taken at each water strike (pH, EC and Temp)
- Blow-out yields (measured with a V-notch) for the individual water strikes and the completed borehole (before installing the casing)
- Final borehole depth and construction (including casing and screen positions)
- Photographic evidence is required for the following: Site photos before and after drilling, rock samples, water samples placed in a cooler box, and evidence of the logbook.

Recording these features is vital for refining the conceptual hydrogeological model and assessing the suitability of the boreholes for monitoring purposes. As such, the contractor is required to conduct this record-keeping work with care and precision.

A2 Bill of Quantities

	ITEM	UNIT	QUANTITY	RATE	TOTAL (VAT excl.)
1	MOBILISATION				
1.1	Mobilisation and set-up of the Plant at the first borehole	Site	1		
1.2	Set-up of the Plant per borehole	Borehole	19		
				TOTAL ITEM 1	
2	INTER-HOLE MOVES				
2.1	For distances up to 10 km	Each	19		
2.2	For distances exceeding 10 km on site	km	1 000		
2.3	De-establishment from the site	Each	1		
2.4	Accommodation for the installation of a borehole	Nights	100		
				TOTAL ITEM 2	
3	DRILLING (UNCONSOLIDATED SEDIMENTS AND IGNEOUS, METAMORPHIC AND FRACTURED CARBONATE ROCKS)				
3.1	Rotary air percussion with foam - 0 to 150 m				
3.1.1	165 mm diameter	m	750		
3.1.2	203 or 216 mm diameter	m	50		
3.1.3	254 mm diameter	m	10		
3.1.4	305 mm diameter	m	10		
				TOTAL ITEM 3.1	
3.2	Rotary air percussion with foam - 0 to 300 m				
3.2.1	165 mm diameter	m	4 500		
3.2.2	203 or 216 mm diameter	m	100		
3.2.3	254 mm diameter	m	20		
3.2.4	305 mm diameter	m	20	TOTAL ITEM 3.2	
3.3	Odex / Simmetrix (including supply, delivery, and installation of at least 6 mm sidewall casing)				
3.3.1	194 mm OD	m	1		
3.3.2	219 mm OD	m	1		
3.3.3	273 mm OD	m	1		
3.3.5	Casing shoe	each	1		
				TOTAL ITEM 3.3	

	ITEM	UNIT	QUANTITY	RATE	TOTAL (VAT excl.)
4	CASING (SUPPLIED, DELIVERED AND INSTALLED)				
4.1	Steel (bevel-edged plain)				
4.1.1	165 mm ID (minimum wall thickness 4 mm)	m	3 500		
4.1.2	215 mm ID (minimum wall thickness 4.5 mm)	m	100		
4.1.3	254 mm ID (minimum wall thickness 4.5 mm)	m	100		
4.2	Steel (slotted, with 3-4 mm)				
4.2.1	165 mm ID (minimum wall thickness 4 mm)	m	2 000		
4.2.2	215 mm ID (minimum wall thickness 4.5 mm)	m	100		
4.2.3	254 mm ID (minimum wall thickness 4.5 mm)	m	100		
4.3	UPVC (flush internal/external thread-jointed, plain)				
4.3.1	OD140 mm, ID123.2 mm (minimum wall thickness 6.5 mm)	m	550		
4.3.2	OD186 mm, ID165 mm (minimum wall thickness 8.5mm)	m	100		
4.3.3	OD200 mm, ID185 mm (minimum wall thickness 7 mm)	m	100		
4.4	UPVC (flush internal/external thread-jointed, perforated)				
4.4.1	OD140 mm, ID123.2 mm (minimum wall thickness 6.5mm)	m	200		
4.4.2	OD186 mm, ID165 mm (minimum wall thickness 8.5mm)	m	10		
4.4.3	OD200 mm, ID185 mm (minimum wall thickness 7 mm)	m	10		
4.4.4	Stabilisers (1 for each 6m)	Each	1 000		
4.4.5	End plug	Each	20		
				TOTAL ITEM 4	
5	REAMING OF BOREHOLES				
5.1	203 mm or 219 mm to 254 mm diameter	m	500		
5.2	152 mm or 165 mm to 254 mm diameter	m	500		
				TOTAL ITEM 5	

	ITEM	UNIT	QUANTITY	RATE	TOTAL (VAT excl.)
6	RECOVERY OF STEEL CASING	m	100		
				TOTAL ITEM 6	
7	FORMATION STABILISER/GRAVEL PACK (supplied, delivered and installed)	per kg	2,500		
				TOTAL ITEM 7	
8	CONCRETE COLLAR (complete per borehole)	No	20		
				TOTAL ITEM 8	
9	SANITARY SEAL (complete per borehole)				
9.1	Type I (Slurry 50kg cement mixed with 6kg bentonite)	m	300		
9.2	Type II (Backfill mixed with cement with 6kg bentonite with 50kg bag cement) mix 4:1	m	300		
				TOTAL ITEM 9	
10	BOREHOLE DEVELOPMENT	hrs	60		
				TOTAL ITEM 10	
11	BOREHOLE DISINFECTION (complete per borehole)	No	20		
				TOTAL ITEM 11	
12	BOREHOLE PROTECTION CAP, PLINTH, POLE (complete per borehole)	No	20		
				TOTAL ITEM 12	
13	BOREHOLE MARKING (complete per borehole)	No	20		
				TOTAL ITEM 13	
14	SITE CLEANING AND FINISHING (complete per borehole)	No	20		
				TOTAL ITEM 14	
15	DATA RECORDING AND REPORTING (complete per borehole)	No	20		
				TOTAL ITEM 15	
16	WORK TIME RATE (also for borehole development)	hr	100		
				TOTAL ITEM 16	
17	STANDING TIME RATE	hr	100		
				TOTAL ITEM 17	
18	BOREHOLE REHABILITATION				
18.1	Video logging	m	100		
18.2	Mechanical	No	5		
18.3	Chemical	No	5		
				TOTAL ITEM 18	

	ITEM	UNIT	QUANTITY	RATE	TOTAL (VAT excl.)
19	VANDAL PROOF INFRASTRUCTURE	No	20		
				TOTAL ITEM 19	
20	SCANNING FOR UNDERGROUND INFRASTRUCTURE	Sites	20		
				TOTAL ITEM 20	
21	PROVISION FOR AN ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP)	Sites	20		
				TOTAL ITEM 21	
22	OTHER COSTS – SPECIFY CLEARLY AND MOTIVATE IN PROPOSAL.				
22.1					
22.2					
22.3					
22.4					
22.5					
				TOTAL ITEM 22	
				SUB TOTAL ITEMS 1 - 22 EX VAT	
				VAT 15%	
				TOTAL	

B. Key Geological Units Targeted

The key geological units targeted for groundwater monitoring include the Jurassic-aged dolerite intrusions and sedimentary formations from the Stormberg, Beaufort Ecca, and Dwyka Groups. These formations collectively host a fractured aquifer system, where groundwater typically occurs in secondary features such as narrow fractures and joints, particularly along contact zones between dolerite and sedimentary rocks. Groundwater quality within the region is variable and largely dependent on the host rocks' geochemistry and the water's residence time within the aquifer. The study area's geology has been categorised into five regional domains, each with distinct morpho-hydrogeological characteristics. Within each domain, specific sites have been identified for the installation of monitoring and exploration boreholes.

- **Abrahamskraal Domain:** This domain represents the Lower Karoo and is typified by flat terrain with minimal folding or tectonic disruption. While predominantly horizontal, the terrain also shows subvertical anticlinal fold axes that could enhance preferential flow pathways. Deep groundwater is present in this domain, as evidenced by the SOEKOR boreholes. Three candidate sites have been selected for borehole installation: Merweville, Leeu-Gamka, and Rietbron.
- **Middleton Domain:** Also part of the Lower Karoo, this domain is characterised by a flat landscape underlain by thick sandy basal units and a limited occurrence of dolerite intrusions. Four sites—Beaufort West, Nelspoort, Aberdeen, and Pearston—have been earmarked for further investigation.
- **Dolerite Sills Domain:** Situated in the Bo-Karoo region, this domain is topographically distinct from the Lower Karoo due to an intervening escarpment. It is dominated by thick dolerite sills, including saucer-shaped intrusions, which compartmentalise aquifers. These fractured rock aquifers often yield productive water strikes. The study sites in this domain include Murraysburg, Graaff-Reinet, and Nieu-Bethesda.
- **Dolerite Dykes Domain:** This domain includes prominent, circular structural features approximately 50 km in diameter. Its southern boundary lies within the Graaff-Reinet 1:250,000 map sheet. It is an area of high relief forming the upper catchment of the Great Fish River and its tributaries (Klein Brak, Groot Brak, and Vlekpoort rivers). Key sites identified for investigation include Middelburg, Cradock, and associated dykes in the area.
- **Sterkstroom–Molteno Domain:** This domain includes a highland plateau shaped by the Molteno, Elliot, and Clarens Formations' resistant lithologies, and capped by Drakensberg lavas. Areas of focus here include Molteno and Sterkstroom.

C. Expected drilling conditions

Potential challenges associated with the drilling of monitoring boreholes in the Karoo lithologies include:

- **Superimposed heterogeneous lithologies**—Various rock types may require specialised drilling equipment and techniques, including shales, sandstones, and mudstones. Lithological contacts are often good targets for groundwater.
- **Depth and thickness of strata**—Due to the depth and thickness of Karoo strata, drilling to significant depths may be required to reach target zones, which can increase the cost and complexity of drilling operations.
- **Water scarcity**—Drilling operations often require water for mud circulation and cooling of drilling equipment, posing challenges in water-scarce environments such as the Karoo. The drill contractor shall supply the necessary water to the drill crew (including potable water) and make arrangements to obtain, store, and transport all required water for drilling for the duration of the contract. The project lead and the hydrogeologist should approve using the water source in operations.
- **Remote and hazardous environments**—Harsh environmental conditions, such as extreme temperatures, restricted access to drilling sites, and limited infrastructure, can impact drilling operations. Methane (blue flame, no smell) and hydrogen sulfide (orange flame, rotten egg smell) intersections may occur.
- **Technical challenges**—Technical challenges associated with drilling in the Karoo lithologies may include significant water pressures with depth, borehole stability issues, collapse, and the need for specialised drilling fluids to overcome formation challenges.
- **Community and stakeholder engagement** - Engaging with local communities and stakeholders is crucial for successful drilling projects to address concerns related to water use, environmental impacts, and potential disruptions to the regional water supply to communities.

D. Contractor's site camp specifications.

The Contractor will be encouraged to source off-site accommodation. Should the Contractor require that the drilling team be accommodated on site, it will be a requirement that the completed site, including, but not limited to, once constructed with full facilities such as a workshop, kitchen, bathroom and sleeping quarters, be inspected and approved by the project lead and EAP. It is of the utmost importance that all site activities be focused on responsible use and off-site disposal of items such as fuel and waste, to protect the environment and avoid any contamination of the area.

On completion of the drilling process, the contractor is responsible for rehabilitating disturbed areas on site to their original state encountered at the onset of drilling. Photographic proof of this will be required, along with the approval of the project lead and the EAP. The rehabilitation process must be fully documented.

Before the Contractor being relieved of his responsibilities at the specific site, the project lead and EAP will inspect the site again to ensure that the cleanup and rehabilitation processes were successfully concluded.

The contractor is responsible for mobilising and demobilising the workforce, machinery, equipment, tools and all materials to and from the site, and between sites. The contractor is responsible for providing all labour and machinery to complete the work described in the relevant work orders. The following documentation must be provided for each person working on a drill site: South African Identity Document, Police clearance, proof of Safety Induction and a medical certificate. An organogram of the workforce must also be provided. Should the need arise, this information must be made available to the local community.

E. Safety. Health and Environmental Considerations

The contractor is expected to adhere to all relevant safety, health and environmental legislation as per the tender document and will only be allowed on site once the project lead and PASA have approved the safety, health and environmental plan.

Overarching legislation

- Adherence to the OHS Act and all relevant regulations, including but not limited to:
- Occupation Health & Safety Act
- Construction Regulations, 2014 (as amended): If the drilling work falls under the definition of "construction work" (e.g., drilling for foundations, pipelines, etc.). These regulations place specific duties on clients, principal contractors, and contractors.
- Driven Machinery Regulations, 2015: Covering the safe use and maintenance of drilling rigs, compressors, pumps, and other machinery.
- General Safety Regulations, 1986 (as amended): Addressing general workplace safety aspects like personal protective equipment (PPE), first aid, fire safety, and access to safe workplaces.
- Environmental Regulations for Workplaces, 1987 (as amended): Covering aspects like lighting, ventilation, noise levels, and temperature in the workplace.
- Explosives Regulations: If the drilling involves the use of explosives (e.g., for blasting in certain geological formations), strict adherence to these regulations under the Mine Health and Safety Act or other relevant legislation is necessary.
- Mine Health and Safety Act, 1996 (Act No. 29 of 1996) and its regulations: If the drilling activities are considered "exploration" or "mining" related, as is sometimes the case with borehole drilling for resource exploration.
- Major Hazard Installation Regulations, 2022: If the company handles or stores significant quantities of hazardous substances.
- PASA Policies & Requirement: Adhere to all PASA Health & Safety Policies and conduct

The contractor should provide a safety, health and environmental file that includes the Specific Requested Documentation. The risk assessment should address the risks of working in harsh and hazardous environments, as well as the risks associated with drilling in areas where Methane and Hydrogen Sulfide might intersect. The AGENCY may require additional documentation when a contractor is selected.

Specific Request for Documentation

- Companies Registration
- Letter of Good Standing
- Comprehensive Risk Assessment, with control measures to mitigate
- Health & Safety File (must be on site at all times)
- Health & Safety Officer appointment letter
- SOPs/SWP for all drilling activities, including allocation of PPE
- Waste management plan
- Environmental management plan (safeguarding and protecting the environment)
- Emergency preparedness and response plan
- Incident report and investigation system
- Proof of training and competency (First aid, fire responder, hazardous substance, link to the use of spill kit, confined space)
- Proof of medical surveillance of all staff working onsite

With the specific activity of borehole drilling, these are the **non-negotiable requirements** for this project:

- Blowout Prevention Measures: Procedures should be in place to manage unexpected high-pressure water flows. This might include readily available appropriate valves and shut-off mechanisms at the drill site.
- Drilling fluid and cutting management plan: Safe handling and disposal procedures for drilling fluids and rock cuttings are essential to prevent environmental contamination of soil and groundwater sources. This includes proper containment during drilling and a responsible removal and disposal plan.
- Water quality protection plan: The prevention of cross-contamination of surface contaminants into the boreholes.
- The source water needed for drilling methods requires upfront approval
- Disinfection Procedures: Plans for disinfecting the newly drilled borehole to eliminate potential microbial contamination before commissioning should be outlined.
- Equipment & Operational Safety: This includes the integrity of the drilling rig, the safe handling of casing and well components, and electrical safety.
- Environmental Management Plan: This plan safeguards the environment where drilling is taking place, including the waste management plan (e.g., hazardous waste). Provision is made in the bill of quantities for an EAP to ensure that the necessary environmental regulations are followed.

SECTION VI: TENDER EVALUATION PROCESS

1 PHASE 1

Administrative Evaluation Criteria

Initial Screening Process: At this phase bidder's responses are reviewed to check if bidders have responded according to PASA Tender documents document.

Required Documents	Non-submission may result in disqualification	
SBD1- Invitation to Bid	Yes	Must be completed and signed
SBD4 - Declaration of Interest	Yes	Must be completed and signed
SBD6.1- Preference Claim Form and Certified copy of B- BBEE Certificate or Affidavit	No	Non-submission will lead to zero (0) score on specific goals. "In instances where there are inconsistencies in a BBEE AFFIDAVIT received i.e. percentages not tying up, we will award zero points on specific goals"
Central Supplier Database (CSD) Registration Summary. (Vendors with no local presence must complete the vendor questionnaire).	No	The service provider must be registered on the CSD. If not registered visit https://secure.csd.gov.za to complete the process prior to submission of proposal.
Valid Tax Compliance Status (TCS) Pin or printed TCS report	No	PASA will not award any bid to a bidder who is not tax compliant.
Pricing Proposal	Yes	Submit a full detailed price proposal
Company Profile	No	Service provider to submit the company profile

The Agency reserves the right to reject any bid applications found to be incomplete or illegible.

2. PHASE 2

TECHNICAL EVALUATION CRITERIA

Bidders will be evaluated according to the technical evaluation criteria below. The minimum technical threshold to qualify for final evaluation is **80%**. Bidders who met or exceeded the said threshold will be evaluated according to the Preferential Procurement Regulations.

2.1 Detailed Proposal to achieve the desired end results. The proposal must reflect a good understanding of the scope of work and present evidence of relevant capacity to achieve the objectives of the project within the required time. The proposal must address some of the following matters: schedule of plant and associated equipment/tools, description, equipment size and capacity to drill to the targeted depths, methodology to be used to drill to the required depths, schedule of work experience, demonstrate environmental and health and safety standards, etc.			
Evaluation matrix	Supporting Document(s)	Score	Weighting (%)
Proposal exceeds expectations. The bidder has gone over and above to demonstrate how the project objectives are to be achieved and has included other important issues not stated in the scope of work.	Technical Proposal	5	30%
A very good proposal designed to address all critical aspects of the scope of work to meet the desired end-result.		4	
Good/Satisfactory proposal , showing a good understanding of the scope of work. The proposal, however, minimally addresses critical aspects of the scope of work.		3	
Average proposal addressing some aspects of the scope of work but excluding critical aspects.		2	
Poor/Non-satisfactory proposal showing a complete misunderstanding of the scope of work as a whole		1	
No proposal submitted by the bidder		0	

2.2 Project Plan

The bidder must provide a comprehensive project plan outlining the critical milestones and timelines.

Evaluation matrix	Supporting Document(s)	Score	Weighting (%)
Comprehensive and complete project plan adequately addressing critical aspects of the scope of work	Project plan	5	15%
Less comprehensive plan addressing all critical aspects of the scope of work		3	
Generic project plan does not addressing critical aspects of the scope of work		1	
No project plan submitted		0	

2.3 Experience of the Project Manager(s) in undertaking drilling in hard rock aquifers (highly brecciated, high yielding with elevated artesian pressures) and unconsolidated aquifers (rotary mud drilling)

Evaluation matrix	Supporting Document(s)	Score	Weighting (%)
12 years and more experience	CV of the project manager	5	12%
>10 but < 12 years' experience		4	
10 years' experience		3	
8 but < 10 years' experience		2	
5 but <8 years' experience		1	
< 5 years' experience		0	

2.4 Experience of the Drilling Team(s) in undertaking drilling in hard rock aquifers (highly brecciated, high yielding with elevated artesian pressures) and unconsolidated aquifers (rotary mud drilling).			
Evaluation matrix	Supporting Document(s)	Score	Weighting (%)
A combined experience of 20 years or more for the drilling team	CVs of drilling team(s)	5	20%
A combined experience of 18 < 20 years for the drilling team		4	
A combined experience of 15 < 18 years for the drilling team		3	
A combined experience of 12 < 15 years for the drilling team		2	
A combined experience 9 < 12 years for the drilling team		1	
A combined experience < 9 years for the drilling team		0	

2.5 Experience of the Project Manager and Drilling Team(s) in undertaking successful borehole rehabilitation			
Evaluation Criteria	Supporting Document(s)	Score	Weighting (%)
A combined experience of 20 years or more for the drilling team	CVs of drilling team(s)	5	3%
A combined experience of 18 < 20 years for the drilling team		4	
A combined experience of 15 < 18 years for the drilling team		3	
A combined experience of 12 < 15 years for the drilling team		2	
A combined experience 9 < 12 years for the drilling team		1	
A combined experience < 9 years for the drilling team		0	

2.6 Bidders' Standard Operating Procedures must demonstrate compliance with SABS standard for the groundwater industry – SANS 10299: 2003 – Development, Maintenance and Management of Groundwater Resources

Evaluation Criteria	Supporting Document(s)	Score	Weighting (%)
Full integration of the SABS standard into the company's Standard Operating Procedures (SOP)	Company Standard Operating Procedures	5	10%
Partial integration of the SABS standard into the company's SOP		3	
No integration of the SABS standard into the company's SOP		0	

2.7 Company's track record related to drilling groundwater monitoring boreholes. Please provide reference letters as proof of similar services or work done in the past, covering the full spectrum of the scope of the required work.
The reference letter(s) signed by the client must be on the client's letterhead, dated and include the company name, contact person, and contact details (Email and telephone number)

Evaluation Criteria	Supporting Document(s)	Score	Weighting (%)
5 or more relevant reference letters	Reference letters	5	10%
4 relevant reference letters		4	
3 relevant reference letters		3	
2 relevant reference letters		2	
1 relevant reference letter		1	
No relevant reference letter(s) provided		0	

3. PHASE 4

Price and Specific Goals

All bids that meet the minimum 80% threshold will be evaluated further on preference point system

Evaluation Criteria	Final Weighted Scores
Price	80
Specific goals	20
TOTAL SCORE:	100

Evaluation Criteria	Points (20)
Black ownership	12
30% or more black women ownership	5
Any % ownership of designated group	3
TOTAL SCORE:	20

- Black ownership: 100% black full owned entities will score full 12 points
- Black ownership between 75%-99% will score 8 points
- Less than 75% but above 50% will score 6 points

SECTION VII: SPECIAL CONDITIONS TO CONTRACT

1. SPECIAL CONDITIONS OF THIS BID

Petroleum Agency SA reserves the right:

- 1.1. To award this tender to a bidder that did not score the highest total number of points, only in accordance with section 2(1) (f) of the PPPFA (Act 5 of 2000).
- 1.2. To negotiate with one or more preferred bidder(s) identified in the evaluation process, regarding any terms and conditions, including price without offering the same opportunity to any other bidder(s) who has not been awarded the status of the preferred bidder(s).
- 1.3. To accept part of a tender rather than the whole tender.
- 1.4. To carry out site inspections, product evaluations or explanatory meetings in order to verify the nature and quality of the services offered by the bidder(s), whether before or after adjudication of the Bid.
- 1.5. To correct any mistakes at any stage of the tender that may have been in the Bid documents or occurred at any stage of the tender process.
- 1.6. To cancel and/or terminate the tender process at any stage, including after the Closing Date and/or after presentations have been made, and/or after tenders have been evaluated and/or after the preferred bidder(s) have been notified of their status as such.
- 1.7. Award to multiple bidders based either on size or geographic considerations.

2. PETROLEUM AGENCY SA REQUIRES BIDDER(S) TO DECLARE

In the Bidder's Technical response, bidder(s) are required to declare the following:

- 2.1. Confirm that the bidder(s) is to: –
 - a. Act honestly, fairly, and with due skill, care and diligence, in the interests of Petroleum Agency SA;
 - b. Have and employ effectively the resources, procedures and appropriate technological systems for the proper performance of the services.
 - c. Act with circumspection and treat Petroleum Agency SA fairly in a situation of conflicting interests.
 - d. Comply with all applicable statutory or common law requirements applicable to the conduct of business;
 - e. Make adequate disclosures of relevant material information including disclosures of actual or potential own interests, in relation to dealings with Petroleum Agency SA;
 - f. Avoidance of fraudulent and misleading advertising, canvassing and marketing;
 - g. To conduct their business activities with transparency and consistently uphold the interests and needs of Petroleum Agency SA as a client before any other consideration; and
 - h. To ensure that any information acquired by the bidder(s) from Petroleum Agency SA will not be used or disclosed unless the written consent of the client has been obtained to do so.

3. CONFLICT OF INTEREST, CORRUPTION AND FRAUD

3.1. Petroleum Agency SA reserves its right to disqualify any bidder who either itself or any of its members, directors or members of senior management etc.

- a. engages in any collusive tendering, anti-competitive conduct, or any other similar conduct, including but not limited to any collusion with any other bidder in respect of the subject matter of this bid;
- b. seeks any assistance, other than assistance officially provided by a Government Entity, from any employee, advisor or other representative of a Government Entity in order to obtain any unlawful advantage in relation to procurement or services provided or to be provided to a Government Entity;
- c. makes or offers any gift, gratuity, anything of value or other inducement, whether lawful or unlawful, to any of Petroleum Agency SA's officers, directors, employees, advisors or other representatives;
- d. makes or offers any gift, gratuity, anything of any value or other inducement, to any Government Entity's officers, directors, employees, advisors or other representatives in order to obtain any unlawful advantage in relation to procurement or services provided or to be provided to a Government Entity;
- e. accepts anything of value or an inducement that would or may provide financial gain, advantage or benefit in relation to procurement or services provided or to be provided to a Government Entity;
- f. pays or agrees to pay to any person any fee, commission, percentage, brokerage fee, gift or any other consideration, that is contingent upon or results from, the award of any tender, contract, right or entitlement which is in any way related to procurement or the rendering of any services to a Government Entity;
- g. has in the past engaged in any matter referred to above; or
- h. has been found guilty in a court of law on charges of fraud and/or forgery, regardless of whether or not a prison term was imposed and despite such bidder, member or director's name not specifically appearing on the List of Tender Defaulters kept at National Treasury.

4. MISREPRESENTATION DURING THE LIFECYCLE OF THE CONTRACT

- 4.1. The bidder should note that the terms of its Tender will be incorporated in the proposed contract by reference and that Petroleum Agency SA relies upon the bidder's Tender as a material representation in making an award to a successful bidder and in concluding an agreement with the bidder.
- 4.2. It follows therefore that misrepresentations in a Tender may give rise to service termination and a claim by Petroleum Agency SA against the bidder notwithstanding the conclusion of the Service Level Agreement between Petroleum Agency SA and the bidder for the provision of the Service in question. In the event of a conflict between the bidder's proposal and the Service Level Agreement concluded between the parties, the Service Level Agreement will prevail.

5. INDEMNITY

If a bidder breaches the conditions of this bid and, as a result of that breach, Petroleum Agency SA incurs costs or damages (including, without limitation, the cost of any investigations, procedural impairment, repetition of all or part of the bid process and/or enforcement of intellectual property rights or confidentiality obligations), then the bidder indemnifies and holds Petroleum Agency SA harmless from any and all such costs which Petroleum Agency SA may incur and for any damages or losses Petroleum Agency SA may suffer.

6. PRECEDENCE

This document will prevail over any information provided during any briefing session whether oral or written, unless such written information provided, expressly amends this document by reference.

7. LIMITATION OF LIABILITY

A bidder participates in this bid process entirely at its own risk and cost. Petroleum Agency SA shall not be liable to compensate a bidder on any grounds whatsoever for any costs incurred or any damages suffered because of the Bidder's participation in this Bid process.

8. TAX COMPLIANCE

No tender shall be awarded to a bidder who is not tax compliant. Petroleum Agency SA reserves the right to withdraw an award made, or cancel a contract concluded with a successful bidder in the event that it is established that such bidder was in fact not tax compliant at the time of the award, or has submitted a fraudulent Tax Clearance Certificate to Petroleum Agency SA, or whose verification against the Central Supplier Database (CSD) proves non-compliant. Petroleum Agency SA further reserves the right to cancel a contract with a successful bidder in the event that such bidder does not remain tax compliant for the full term of the contract.

9. TENDER DEFAULTERS AND RESTRICTED SUPPLIERS

No tender shall be awarded to a bidder whose name (or any of its members, directors, partners or trustees) appear on the Register of Tender Defaulters kept by National Treasury, or who have been placed on National Treasury's List of Restricted Suppliers. Petroleum Agency SA reserves the right to withdraw an award, or cancel a contract concluded with a Bidder should it be established, at any time, that a bidder has been blacklisted with National Treasury by another government institution.

10. GOVERNING LAW

South African law governs this bid and the bid response process. The bidder agrees to submit to the exclusive jurisdiction of the South African courts in any dispute of any kind that may arise out of or in connection with the subject matter of this bid, the bid itself and all processes associated with the bid.

11. RESPONSIBILITY FOR SUB-CONTRACTORS AND BIDDER'S PERSONNEL

A bidder is responsible for ensuring that its personnel (including agents, officers, directors, employees, advisors and other representatives), its sub-contractors (if any) and personnel of its sub-contractors comply with all terms and conditions of this bid. In the event that Petroleum Agency SA allows a bidder to make use of sub-contractors, such sub-contractors will at all,

times remain the responsibility of the bidder and Petroleum Agency SA will not under any circumstances be liable for any losses or damages incurred by or caused by such sub-contractors.

12. CONFIDENTIALITY

- 12.1 Except as may be required by operation of law, by a court or by a regulatory authority having appropriate jurisdiction, no information contained in or relating to this bid or a bidder's tender(s) will be disclosed by any bidder or other person not officially involved with Petroleum Agency SA's examination and evaluation of a Tender.
- 12.2 No part of the bid may be distributed, reproduced, stored or transmitted, in any form or by any means, electronic, photocopying, recording or otherwise, in whole or in part except for the purpose of preparing a Tender.
- 12.3 This bid and any other documents supplied by Petroleum Agency SA remain proprietary to Petroleum Agency SA and must be promptly returned to Petroleum Agency SA upon request together with all copies, electronic versions, excerpts or summaries thereof or work derived there from.
- 12.4 Throughout this bid process and thereafter, bidder(s) must secure Petroleum Agency SA's written approval prior to the release of any information that pertains to (i) the potential work or activities to which this bid relates; or (ii) the process, which follows this bid. Failure to adhere to this requirement may result in disqualification from the bid process and civil action.

13. PETROLEUM AGENCY SA PROPRIETARY INFORMATION

Bidder will on their bid cover letter make declaration that they did not have access to any Petroleum Agency SA proprietary information or any other matter that may have unfairly placed that bidder in a preferential position in relation to any of the other bidder(s).

14. AVAILABILITY OF FUNDS

Should funds no longer be available to pay for the execution of the responsibilities of this bid (PASA-T-2026-05), the Petroleum Agency SA may terminate the Agreement at its own discretion or temporarily suspend all or part of the services by notice to the successful bidder who shall immediately make arrangements to stop the performance of the services and minimize further expenditure: Provided that the successful bidder shall thereupon be entitled to payment in full for the services delivered, up to the date of cancellation or suspension.