



Instituto de Geociências de Timor-Leste, Instituto Público (IGTL)

CONCURSO PÚBLICO

FORNECIMENTO DE EQUIPAMENTOS DE GEOTÉCNICO E LABORATÓRIO (LABWARE)

CP/01/IGTL/II/2025

INTRODUÇÃO

O Instituto de Geociências de Timor-Leste (IGTL) é um instituto público criado pelo Decreto-Lei n.º 60/2023, de 6 de setembro, que altera o Decreto-Lei n.º 33/2012, de 18 de julho. A sua missão principal é conduzir investigações de geociências no território de Timor-Leste e nas áreas marítimas sob a sua jurisdição. A fim de cumprir a sua missão, o IGTL pretende contratar uma empresa competitiva e fiável que assegure o fornecimento de equipamentos de geotécnico e laboratório (labware).

SUBMISSÃO E PRAZO

A proposta completa deve ser submetida num envelope selado, marcado como "**CONFIDENCIAL**" e mencionando o número de referência do processo de contratação, dirigida ao Unidade de Aprovisionamento, e entregue em mãos ou por correio para: **Instituto de Geociências de Timor-Leste, City 8, CBD Level 2, Rua Has-Laran, Manleuana, Díli, Timor-Leste**, ou por email para aprovisionamento@igtl.tl. O prazo para a submissão da proposta será no dia **20 de março de 2025** às **15:00** horas de Timor-Leste. Candidaturas tardias não serão consideradas.

INFORMAÇÕES ADICIONAIS

Questões ou pedidos de informações adicionais devem ser feitos por carta ou email para aprovisionamento@igtl.tl.

Nota: O Termos de Referência podem ser obtidos mediante pedido escrito por email ou descarregados em formato PDF a partir do site do IGTL em www.igtl.tl.

PUBLIC TENDER

PROVISION OF GEOTECHNICAL AND LABORATORY (LABWARE) EQUIPMENT

CP/01/IGTL/II/2025

BACKGROUND

The Instituto de Geociências de Timor-Leste (IGTL) is a public institute established through Decree Law No. 60/2023 on September 6th, amending Decree Law No. 33/2012 from July 18th. Its primary mission is to conduct geoscience investigations in Timor-Leste's territory and maritime areas under its jurisdiction. In order to fulfill its mission, IGTL wishes to engage with a competitive and reliable company for the provision of geotechnical and laboratory (labware) equipment.

SUBMISSION AND DEADLINE

The completed proposal should be submitted in a sealed envelope, marked "**CONFIDENTIAL**" and mentioned the procurement reference number for the attention of Procurement Unit, and submitted by hand or courier to: **Instituto de Geociências de Timor-Leste, City 8, CBD Level 2, Rua Has-Laran, Manleuana, Díli, Timor-Leste**, or by email to aprovisionamento@igtl.tl. The deadline for submission of the proposal will be on **March 20, 2025, at 15:00** Timor-Leste time. Late application will not be considered.

FURTHER INFORMATION

Question or request for further information should be made by letter or email to aprovisionamento@igtl.tl.

Note: The Terms of Reference document could be obtained by sending a written request via email or downloaded as a PDF copy from the IGTL website at www.igtl.tl.

Dili, 26 de fevereiro de 2025

Job Brites dos Santos
Presidente do IGTL





**Instituto de Geociências de Timor-Leste, Instituto Público
(IGTL)**

PUBLIC TENDER

NU: CP/01/IGTL/II/2025

TENDER DOCUMENT

**PROVISION OF GEOTECHNICAL AND LABORATORY (LABWARE)
EQUIPMENT**

FORNECIMENTO DE EQUIPAMENTO DE GEOTECNIA E LABORATÓRIO (LABWARE)

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I ANOUNCEMENT

1. Tender Identification

CP/01/IGTL/II/2025 – Provision of Geotechnical and Laboratory (Labware) Equipment

2. Identification and contact details of the contracting authority;

Instituto de Geociências de Timor-Leste, Instituto Público (IGTL)

Address: City 8, CBD Piso 2, Rua Has Laran, Manleuana, Díli, Timor-Leste

Phone: (+670) 3310-179

E-mail: info@igtltl

3. Identification and Contact Details of the Procurement Unit;

Procurement Unit

Address: City 8, CBD Piso 2, Rua Has Laran, Manleuana, Díli, Timor-Leste

Phone: (+670) 3310-179

E-mail: aprovisionamento@igtltl

4. Object of the Tender

The objective is to acquire geotechnical and laboratory (labware) equipment that meet our technical requirements and support our operational goals.

5. Type of Procedure

Public Tender

6. Value of the Procurement Procedure

US\$175,000 (one hundred and seventy-five thousand US dollars)

- Proposals whose value exceeds the value of the procedure will not be accepted.
- Proposals with a value below US\$122,500 are considered to have an abnormally low price, under the terms of article 61 of the Legal Framework for Procurement, Public Contracts and the respective infractions.

7. Special procurement and/or contracting conditions

N/A

8. Place of contract execution

Office of the Instituto de Geociências de Timor-Leste, Instituto Público (IGTL), City 8, CBD
Level 2, Rua Has Laran, Manleuana, Díli, Timor-Leste

9. Deadline for the performance of the services and/or the duration of the contract

4 months

10. Qualification documents required

1. Copy of commercial registration certificate;
2. Copy of registration certificate;
3. Copy of economic activity license;
4. Copy of debt certificate;
5. Copy of company owner's status and electoral card/identity card/passport.

11. Qualifications and required qualification documents

1. Financial Capacity:

- Proof of financial capacity amounting to at least 25% of the procedure value.
- This must be demonstrated through a bank statement showing cash flow for the past three months.

2. List of Contracts:

- Provide a list of contracts for services that are similar or almost similar in terms of complexity.
- Include the contract values.
- Detail the work in progress for each contract.
- This should cover contracts for the past five years.

3. Experience Documentation:

- Submit copies of contracts for the provision of similar services.
- Each contract must be accompanied by appropriate references.

12. Form of consultation of the procedural documents

Interested bidders can obtain information about this public tender at the IGTL office during working hours.

13. Price for the provision of procedural documents

Free ☒

Cost:

14. Pre-conference

N/A

15. Form of Proposal submission

- The proposal should be elaborated according to Annex I.

- The **completed proposal (financial and technical)** should be submitted in sealed envelopes, marked “**CONFIDENTIAL**” and mentioned the procurement reference number for the attention of Procurement Unit, and submitted by hand or courier to: Instituto de Geociências de Timor-Leste, City 8, CBD Level 2, Rua Has-Laran, Manleuana, Dili, Timor-Leste. Telephone: +670 3310179

16. Deadline for submitting proposals

The deadline for submission of the proposal will be on **March 20, 2025**, at 15:00 Timor-Leste Time. Late application will not be considered.

17. Urgent deadline

Yes ☐

No ☒

18. Minimum proposal validity period

90 days

19. Award criteria

The best price-quality ratio

20. Guarantees

1. Performance Guarantee:

Yes ☒

No ☐

2. Quality Guarantee:

Yes ☒

No ☐

21. Tax

Obligation to pay taxes:

Yes ☒

No ☐

Obligation to withhold taxes at source in accordance with the law:

Yes ☒

No ☐

22. Author of the announcement

Name: Job Brites dos Santos

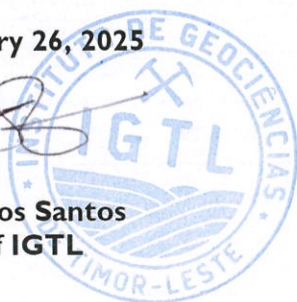
Position: President of IGTL

23. Date of opening of the procedure

February 26, 2025

Dili, February 26, 2025


Job Brites dos Santos
President of IGTL



2 PROCEDURE PROGRAM

1. Procedure Identification:	CP/01/IGTL/II/2025– Provision of Geotechnical and Laboratory (Labware) Equipment
2. Contracting Authority:	Instituto de Geociências de Timor-Leste, Instituto Público
3. Contact details of the contracting authority:	website: www.igt.l.tl ; Phone: (+670) 3310179
4. Entity or Procurement Service	Unidade de Aprovisionamento – IGTL
5. Contact details of the procurement entity or service	IGTL, IP, City 8, CBD Level 2, Rua Hás laran, Manleuana, Dili – Timor-Leste Phone: 3310179
6. Object of the procedure	Acquisition of Geotechnical and Laboratory (labware) Equipment that will be utilized in the Laboratory of IGTL.
7. Type of procedure	Public Tender
8. Value of the Procurement Procedure	- The value of the procedure is US\$175,000 (one hundred and seventy-five thousand US dollars) - Proposals whose value exceeds the value of the procedure will not be accepted. - Proposals with a value below US\$122,500 are considered to have an abnormally low price, under the terms of article 61 of the Legal Framework for Procurement, Public Contracts and the respective infringements. - The bidders must submit a justification note when the price submitted in the tender is abnormally low in accordance with Article 61.
9. Place for Contract Execution	Instituto de Geociências de Timor-Leste, Instituto Público, City 8, CBD Piso 2, Rua Has-Laran, Manleuana, Dili, Timor-Leste
10. Deadline for the performance of the services and/or the duration of the contract	4 months
11. Required qualification documents	- Copy of commercial registration certificate; - Copy of registration certificate; - Copy of economic activity license; - Copy of debt certificate; - Copy of company owner's status and electoral card/identity card/passport.
12. Qualifications and required qualification documents	1. Financial Capacity: - Proof of financial capacity amounting to at least 25% of the procedure value. - This must be demonstrated through a bank statement showing cash flow for the past three months. 2. List of Contracts:

	• Provide a list of contracts for services that are similar or almost similar in terms of complexity. • Include the contract values. • Detail the work in progress for each contract. • This should cover contracts from the past five years. 3. Experience Documentation: • Submit copies of contracts for the provision of similar services. • Each contract must be accompanied by appropriate references.
13. Form of consultation of the procedural documents	Interested bidders can obtain information about this public tender at the IGTL office during working hours.
14. Price for the provision of Tender documents	Free ☒ Cost:
15. Pre-conference N/A	
16. Clarifications and rectification of documents	• Interested parties must request the clarifications necessary for a proper understanding and interpretation of the parts of the procedure and submit a list in which they expressly and unequivocally identify the errors and omissions in the parts of the procedure that they have detected before one third of the deadline set for the submission of proposals has elapsed. • Clarifications are requested in writing, by means of a letter delivered to the address of the entity or procurement service or sent to the email address of the entity or procurement service.
17. Competitor	• Any natural or legal person or group may be a competitor. • Members of a competing group may not be candidates or competitors in the same procedure, nor may they be part of another competing group. • Natural or legal persons who: a. Are in a situation or process of insolvency, cessation or suspension of activity, dissolution or liquidation; b. Are in default of any pecuniary obligation owed to the State or any other public entity, in particular taxes and social security contributions; c. Have been convicted, by a final judgment, within the last five years of a crime related to their professional conduct, to the provision of false declarations or of erroneous information regarding their qualifications for the conclusion of a contract with a contracting authority; d. They have been convicted of corruption, influence peddling, fraud, tax fraud, money laundering, criminal association, terrorism, terrorist financing or human trafficking by a final judgment within the last ten years;

e. Have provided, directly or indirectly, technical advice in the preparation or drafting of procedural documents; f. Are affected by conflicts of interest that cannot be effectively corrected by other less burdensome measures than exclusion; g. Have, in the last two years, terminated a contract without just cause or have been ordered by a final decision to pay compensation for breach of contract; h. Have been subject to an accessory sanction prohibiting participation in procurement procedures which has not expired; i. Adopt, participate in, support or encourage the conduct listed in no. 1 of article 32 of the Legal Framework for Procurement, Public Contracts and the respective infractions. • The impediment provided for in the previous number also applies to legal persons when their managers, administrators or management bodies are in any of the situations listed therein.
18. Form of submission of proposals • The Proposals must follow the model set out in Annex I. • The proposals must be placed in an opaque, sealed envelope, with the identification of the procedure and the contracting authority indicated on the front. • The proposals must be delivered, against receipt of delivery, to the address of the procurement entity or service within the deadline for the submission of proposals.
19. Documents constituting the proposal • The proposal is made up of the following documents: a. The competitor's declaration, under a pledge of honor, of unconditional acceptance of the terms of reference, according to the model provided for in annex II; b. Declaration by the competitor, on his honor, that he is not prevented from participating in the provisioning procedure, in accordance with the model provided for in annex III; c. Technical proposal, which includes the documents relating to the conditions of execution; d. Financial proposal, which includes the price; e. Note justifying an abnormally low price, when the price presented in the proposal is abnormally low;
20. Language • Proposals must be submitted in Portuguese, Tetum or English. • The documents accompanying the proposal may be submitted in the original foreign language version together with a translation into one of the official languages.
21. Documents that must accompany the proposals and the form of submission • The proposal must be accompanied by the copies of following documents: a. Commercial registration certificate; b. Registration certificate; c. Economic activity license; d. Debt certificate; e. Company Statute (Estatuto Companhia) f. Electoral Card/Identity Card/Passport of Company's owner. • The documents listed in the previous number must be presented in the same way as the proposal.

22. Deadline for submission of proposals	
The deadline for submission of the proposal will be on March 20, 2025 , at 15:00 Timor-Leste time. Late application will not be considered.	
23. Urgent Deadline	No
24. Deadline for correcting irregularities found in the documents submitted	3 days
25. Opening of proposals (Tentative date)	March 20, 2025 (15:30)
26. Minimum Proposal validity period	90 days
27. Existence of a negotiation phase and modality	No
28. Award criteria	The best price-quality ratio
29. Evaluation model	The evaluation model is presented in Annex IV.
30. Existence of essential factors	No
31. Tie-breaking criteria - In the event of a tie, the proposals will be ranked in descending order taking into account the best score obtained in the factors and sub-factors of the technical evaluation with the highest evaluation weight. - In the event of a remaining tie, the proposals will be drawn by lot.	
32. Numeric value below which proposals are excluded	Minimal 60 point
33. Guarantee Performance Guarantee: Yes ☒ No ☐ Value: 5% from total value Form: Bank Guarantee emitted from a Commercial Bank in Timor-Leste Quality Guarantee: Yes ☒ No ☐	

Value: 5% from total value

34. Calendar

The dates contained in this timetable are indicative and depend on the date on which the procedure is opened.

Phases	Date
Announcement	February 26, 2025
Pre-conference	N/A
Deadline for submission of proposals	March 20, 2025 (15:00)
Opening of proposals	The Proposal will be opened by the Evaluation Team.
Publication of preliminary report (tentative date)	March 27, 2025
Award of contract	10 days after the date of the notification of evaluation result.
Signing of contract	Within 5 days upon receiving acceptance letter and submission of performance guarantee.

35. Applicable legislation and jurisdiction

- In all that is omitted from this program, the provisions of the Legal Regime for Procurement, Public Contracts and the respective infractions, approved by Decree-Law no. 22/2022, of May 11, shall apply.
- In the event of any disputes, these will be settled using Timorese law at the Dili District Court, expressly waiving any other.

3 ANNEX I - PROPOSAL TEMPLATE

The proposal must be organized according to the structure of this model and include all the elements referred to in it, unless there is any aspect that is not applicable or does not exist and which must be expressly stated as such, otherwise it will be considered missing.

The document may not exceed 50 (fifty) pages, preferably in A4 format, Arial 10 font and 1.5 spacing.

The page limit does not apply to the documents accompanying the proposal, namely the qualification documents, the classification documents and the curriculum vitae.

All the requirements set out in the technical specifications are mandatory and failure to comply with them, or omission of the elements set out in this model, will constitute grounds for exclusion.

MODEL

CHAPTER I - INTRODUCTION

Where the bidder presents its understanding of the work and services to be provided and other content that it considers pertinent as an introduction to its proposal.

CHAPTER 2 - PROPOSED SERVICES

In this chapter, the bidder must demonstrate the suitability of the proposal to the requirements and specifications described in Part II of the Terms of Reference.

To this end, the bidder must describe the main technical activities of the service, indicating the tools they intend to use;

CHAPTER 3 - IMPLEMENTATION

In this chapter, the bidder must demonstrate that the proposal meets the implementation requirements of Part II of the Terms of Reference.

To this end, the bidder must describe the project implementation methodology, detailing activities, results, responsibility and interdependence.

CHAPTER 4 - ORGANIZATION AND TEAM

The proposal must present and describe:

1. The organizational structure of the team and other parties involved, and the composition of the team assigned to the execution of the contract.
2. For each member of the team, their profile, academic background, main skills, the role and responsibilities they will carry out in the planned team, as well as the certifications defined in the Terms of Reference by profile.
3. The information provided above must be accompanied by an up-to-date curriculum vitae and proof of the certifications declared.

CHAPTER 5 - FINANCIAL CONDITIONS

In this chapter, the proposal must present the following elements relating to the financial conditions:

1. The overall price of the service, i.e. the price to be paid by the Public Contractor for the execution of all the services that are the object of the contract to be concluded;
2. Detailed unit price figures. Prices must be indicated in numerals and in full. In the event of contradiction, the values indicated in full shall prevail.

BIDDER FORM

Bidder legal/official name	
In the case of Joint Venture, legal name of each partner	
Registration Country	
Registration Year	
Official Address	
Legal Representative (Name, address, telephone number, fax number, e-mail address)	
Please attach copies of registration documents as requested in Procedure Program No. 11 and 12. ☐ 1. Authorization to represent the company or JV above mentioned ☐ 2. In the case of JV, intention letter to form a JV or agreement	

JOINT VENTURE FORM

Each party of JV should fill this form

Bidder Legal Name	
Partner Legal Name	
Country of the JV Partner	
Partner Registration Year	
Partner official address	
Information regarding authorized representatives (name, address, telephone number, fax number, e-mail address)	
Please attach copies of registration documents as requested in Procedure Program No. 11 and 12. ☐ 1. Authorization to represent the company or JV above mentioned ☐ 2. In the case of JV, intention letter to form a JV or agreement	

4 ANNEX II - DECLARATION OF ACCEPTANCE OF THE TERMS OF REFERENCE

[Name of the company/grouping/entrepreneur], [Identification document number], with registered office at [address], hereby represented by [name] in the capacity of its legal representative (in the case of a company/grouping), declares, on oath, that it unconditionally accepts the specifications for the procurement procedure [identification of the procedure].

Dili, [Date]

[Name, position and signature]

5 ANNEX III - DECLARATION OF NON-IMPEDIMENT

[Name of the company/grouping/entrepreneur], [Identification document number], with registered office at [address], hereby represented by [name] as its legal representative (in the case of a company/grouping), declares, under oath, that it is not prevented from participating in the provisioning procedure because it does not find itself in any of the situations provided for in article 29 of the Legal Framework for Provisioning, Public Contracts and the respective infractions.

Dili, [Date]

[Name, position and signature]

6 ANNEX IV – EVALUATION MODEL

The award criteria are the best price-quality ratio.

The proposals will be evaluated according to the factors, sub-factors and weightings described below:

Components	Weighting	Factors	Weighting	Indicator	Weighting
Technical	60%	Technical factor 1 – Experience in similar or almost similar services (Geotechnical and Laboratory Equipment)	15%	Has experience in providing similar or almost similar services (Geotechnical and Laboratory Equipment). The Contracts must be annexed.	
		Technical factor 2 – Meet Technical requirement (Specification)	40%	The submitted proposal must meet the technical requirement (specification)	
		Technical factor 3 – Delivery time	5%	Provide the proper time schedule according to the duration of the service.	
Financial	40%	Financial factor 1 - Price	40%	The lowest price (price of proposal X) will automatically obtain 40% weight or 400 points.	

The factors are scored on a scale of 0 to 100 points.

Proposals are excluded if they score below 60 points in any of the factors.

The financial factor is only evaluated for proposals that are not excluded in the technical evaluation.

The overall score of the proposals will be equal to the sum of the scores of the factors, taking into account the weighting of each factor, obtained using the following formula:

$$(\text{Technical factor 1} \times \dots) + (\text{Technical factor 2} \times \dots) + (\text{Technical factor 3} \times \dots) + (\text{Financial factor 1} \times \dots) = \text{Overall score}$$

PART I

LEGAL CLAUSES

Clause 1 Terms of Reference and contract

1. These Terms of Reference comprise the clauses of the contract to be concluded following the procurement procedure for a contractual object in accordance with the technical specifications contained in Part II of the Terms of Reference.
2. The contract to be concluded also includes the clarifications and rectifications relating to the specifications made by the contracting authority, the proposal awarded and the clarifications relating to the proposal made by the author of the proposal.

Clause 2 Contractual object

1. The objective is to acquire Geotechnical and Laboratory Equipment that meet our technical requirements and support our operational goals.
2. The contractual object is the Acquisition of Geotechnical and Laboratory (Labware) Equipment for IGTL.

Clause 3 Obligations of the private contractor

The private contractor shall perform the Geotechnical and Laboratory Equipment supply with high quality, upholding high standards of professional competence and ethics. considering their experience in the supply of the equipment.

Clause 4 Obligations of the public contractor

The public contractor shall supervise the quality of the equipment and ensure that the equipment is delivered in accordance with the required terms of reference and make payments promptly.

Clause 5 Place of execution of contractual services

Instituto de Geociências de Timor-Leste, Instituto Público, City 8, CBD Piso 2, Rua Has-Laran, Manleuana, Dili, Timor-Leste.

Clause 6 Deadline

Deadline for the execution of Geotechnical and Laboratory (Labware) Equipment or the duration of the contract is 4 Months.

Clause 7 Value of the procedure

The value of the procedure is US\$175,000 (one hundred and seventy-five thousand US dollars) includes tax.

Clause 8 Payment

The full amount will be paid 100% within 60 days after equipment delivery.

Clause 9 Guarantees

The guarantee is based on Articles 108 and 109:

- I. The performance bond is equivalent to 5% of the contract value.

2. The quality deposit is equivalent to 5% of the contract value.

Clause 10 Warranty

The supplier company agrees to ensure the quality of the equipment provided to the public institution, as outlined below:

1. The Supplier guarantees that the hardware provided will be free from defects and will meet the specified standards.
2. The Supplier will be responsible for repairing or replacing defective products at no additional cost during the 2-year warranty period.
3. The warranty period starts from the date of final acceptance of the products and includes technical support and maintenance.
4. Defects must be reported in writing, and the Supplier must take corrective actions within 10 business days.
5. The Supplier will cover all costs for repairs or replacements during the warranty, including transportation and labour.
6. If the issue is not resolved satisfactorily, the Contracting Authority may request a refund or compensation for damages.
7. The Supplier guarantees compliance with all applicable safety and quality standards and will provide ongoing support and updates as needed.

Clause 11 Intellectual property

1. Ownership of intellectual property rights over any works and materials developed, created, modified or customized by the private contractor for the public contractor or by the public contractor under the Contract, including in particular writings, reports, schemes, drawings, images, photographs, specifications, parameterizations, data in electronic format and tabulations, surveys and questionnaires, inventions, technical innovations, know-how, processes, techniques, research methods, documents or any other creations, of any nature or medium, belongs to the public contractor, with the agreed contract price being considered sufficient consideration for this.
2. With the acceptance of the goods, services and/or works which are the object of this contract, ownership of them is transferred to the public contractor, as well as of all the documents drawn up by the private contractor, and the public contractor may use, reproduce, alter, and transfer them freely, without any restrictions and without the need for authorization from the private contractor.
3. The private contractor shall be liable for the infringement of any patent, design, license, project, trademark, name or any other intellectual, industrial, or similar property rights relating to the goods, services or works covered by the contract, namely projects, studies, computer programs, equipment, materials, documentation, or work carried out.

Clause 12 Confidentiality

1. The private contractor undertakes not to disclose any information and documentation, technical and non-technical, commercial, or otherwise, of which it becomes aware under or in connection with the performance of the contract.
2. No document or data to which the private contractor has access, directly or indirectly, within the scope of the contract may be reproduced without the express written authorization of the public contractor.
3. The private contractor undertakes not to use the information obtained for purposes unrelated to the performance of the contract.
4. The duty of confidentiality remain in force after the termination of the obligations arising from the contract.
5. The duty of confidentiality does not apply to information and documentation which has been proven to be in the public domain, or which the private contractor is legally obliged to disclose by law, legal proceedings or at the request of regulatory authorities or other competent administrative bodies.

Clause 13 Termination of the contractual position

Without prejudice to the other situations provided for in the Legal Framework for Procurement, Public Contracting, and the Respective Infringements, in the event of non-compliance with the contractual obligations by the private contractor, the public contractor may notify the private contractor to transfer its contractual position to a competitor ranked in a subsequent position, to be indicated by the public contractor.

Clause 14 Communications and notifications

1. The notifications and communications to be made within the scope of the contractual execution are made under the terms of article 18 of the Legal Framework for Procurement, Public Contracting, and Respective Infringements.
2. The parties' contact details are as follows:
 - a) Public Contractor:
Unidade de Aprovisionamento – IGTL
Address: City 8, CBD Piso 2, Rua Has Laran, Manleuana, Díli, Timor-Leste
Phone: (+670) 3310-179
E-mail: aprovisionamento@igt.tl
 - b) Private contractor:
[Name and position]
[Address]
[Email address]

Clause 15 Contractual penalties

1. In the event of non-compliance with the deadlines set out in this contract due to a cause attributable to the Private Contractor, a pecuniary penalty of 1% (one percent) may be applied for each day of delay until effective compliance.

2. Without prejudice to the provisions in previous number, failure by the Private Contractor to comply with any of the obligations arising from this contract, shall entitle the Public Contractor to communicate, in writing, the loss of interest in contracting and the immediate resolution of the contract cumulatively with the effectuation of contractual and extra-contractual civil liability for damages caused.

Clause 16 Settlement of disputes

Any omissions and disputes relating to this public contract that cannot be resolved by mutual agreement between the parties shall be submitted to the **RJA** in force and, in the absence of mutual agreement, to the jurisdiction of the **District Court of Dili, East Timor**.

Clause 17 Applicable law

This contract is governed by the legislation of the Democratic Republic of Timor-Leste, in particular by Decree-Law No. 22/2022 of May 11, on the *Legal Regime for the Procurement of Public Contracts and Related Infractions*.

PART II

TECHNICAL CLAUSES

SPECIFICATION

I. GEOTECHNICAL EQUIPMENT

No	REF.	BRAND	DESCRIPTION	QTY
1	2WH0063100.GL	UTEST OR EQUIVALENT	Wet Washing Sieve, Ø200x100mm deep, ss frame and ss wire cloth, 63 µm, ISO 3310-1. (Glenammer, UK)	2
2	UTG-2WSIC0190.Y		Sieve, Ø200x50mm stainless steel & woven wire cloth, 19mm sq.apert.	2
3	UTG-2WSIC0047.Y		Sieve, Ø200x50mm stainless steel & woven wire cloth, 4,75mm sq.apert.	2
4	UTG-2WSIF0106.Y		Sieve, Ø200x50mm stainless steel frame and stainless-steel woven wire cloth with 106 µm square 3310-1 (UTEST).	2
5	UTA-0346		Riffle Box, width of slots 38mm, 8 slots, powder coated, supplied with 3 containers.	2
6	UTA-0348		Riffle Box, width of slots 50mm, 8 slots, powder coated, supplied with 3 containers.	2
7	UTA-0350		Riffle Box, width of slots 75mm, 8 slots, powder coated, supplied with 3 containers.	2
8	UTS-0272E		Soil Dispersion Mixer, EN, for hydrometer test 220-240V, 50-60Hz, 1ph.	1
9	UTS-2065.FL		The Test Set of Automatic Direct/Residual Shear for 60x60 mm Specimens, 220V, 50-60Hz, 1ph.	1
10	UTS-0300		Front Loading Oedometer (consolidation), cast aluminum.	3
11	UTS-0302		Bench for consolidation with 3 oedometer capacity.	1
12	UTS-0307		Consolidation cell for high pressure, Ø50mm specimen.	3
13	UTS-0339		Calibration disc for Ø50mm consolidation cell (UTS-0307), stainless steel.	1
14	UTS-0376		Set of Weights for consolidation, 80 kg.	1
15	UTGM-0152		Digital Dial Gauge, 12.7 x 0.001mm, LCD display.	1
16	UTGM-0148		Digital Dial Gauge, 25 x 0.01mm, LCD display.	1
17	UTCU-0020		5 Channel Sensor Interface, 24-bit A/D converter (260.000 effective divisions)	1
18	UTGM-0062		Linear Potentiometric Displacement Transducer, travel 25mm, nominal resistance 1 k-ohm.	3
19	UTM-0108.SMPR		Multiplex Universal Electromechanic Test Machine with UTtouch PRO, 50 Kn (11200 lbf) capacity.	1
20	UTM-0115		Upper Compression Platen (spherical-seated).	1
21	UTGM-1180		Load Cell, 5 kN Capacity, S-type.	1
22	UTGE-0086		Motorized Hydraulic Specimen Extruder Vertical Type	1
24	UTAS-0094.FL		The Test Set of Theoretical Maximum Specific Gravity and Density of Asphalt Mixtures, 10L.	1
25	UTS-1300B		Constant Head Permeability Set, BS, consists of a Ø80mm (nominal) constant head permeability cell.	1
26	UTGE-3580		Vacuum and Water Connection Panel with Vacuum Gage Manometer.	1
27	UTS-1320		Falling Head Permeability Set	1
28	UTGE-3505		Vacuum Pump, 51 L/min capacity, 2 Pa vacuum power. 220-240V, 50-60Hz, 1ph.	1
29	UTGG-2016		Filter Flask 2000 mL	1
30	UTGP-1140		Plastic Hose, Ø8mm OD, 3 m	1
31	UTR-0390-T		Slake durability apparatus, supplied complete with pair of mesh drums. 230V, 50Hz, 1ph.	1
32	UTS-0650-T		Automatic Universal Proctor/CBR Soil Compactor.220-240V, 50Hz, 1ph.	1
33	UTS-0600A		Standard Proctor Mould ASTM/AASHTO, int. Ø101.6mm, H:116.4mm.	3
34	UTS-0610A		Modified Proctor mould ASTM/AASHTO, inner Ø152.4mm, height: 116.4mm.	3
35	UTS-0856.ACPR		Automatic CBR Test Machine with UTtouch PRO Control Unit, 50 kN, 220-240V, 50-60Hz, 1ph.	1
36	UTS-0700A		CBR Mould ASTM/AASHTO, plated steel mould body with Ø6" (Ø152.4mm) x 7" (177.8mm) height.	9

37	UTS-0705A	U T E S T O R E Q U I V A L E N T	Spacer Disc with T handle ASTM, Ø150.8mm x 61.4mm height.	3
38	UTS-0708A		Annular Surcharge Weight ASTM, 2.27 kg.	9
39	UTS-0710A		Slotted Surcharge Weight ASTM, 2.27 kg.	9
40	UTS-0712A		CBR Solid Base Plate ASTM.	9
41	UTS-0729		Filter Papers for CBR test, No:1 x Ø152,4mm (Pack of 100).	3
42	UTS-0790A		Adjustable Stem and Perforated Brass Plate, ASTM, for CBR swelling test.	9
43	UTS-0792		Tripod for CBR swelling test, ASTM, AS, BS, NF	9
44	UTGM-0148		Digital Dial Gauge, 25 x 0.01mm, LCD display.	9
45	UTS-0724A		Straightedge, ASTM, 300x30x9mm	1
46	UTA-0500A		Sand Equivalent Test Set ASTM.	1
47	UTA-0510-T		Sand Equivalent Shaker with Safety Cover (EN, ASTM), 220-240V, 50Hz, 1ph.	1
48	UTA-0530		Methylene Blue Test Set, 110-230V, 50-60Hz, 1ph.	1
49	UTA-0531Y		Type A Filter Paper for methylene blue test, Ø125mm. (pack of 100)	1
50	UTS-0078		Pocket Penetrometer, 0-5 kgf/cm2 range.	1

2. LABWARE

No	REF.	BRAND	DESCRIPTION	QTY
1	I.V41394	Normax/Vitlab Or Equivalent	Funil PP 75 mm C/ pega, 88ml, comprimento total 110mm, Embalagem completa: 12	12
2	I.V41494		Funil PP 100 mm, Embalagem completa: 12	12
3	I.7200050	Normax/Deltalab or Equivalent	Pipeta Pasteur 5 ml - 216 mm Graduada, Unidade de venda: 10 X 250	2500
4	I.K1621	Normax/Kartell Or Equivalent	Frasco graduado boca larga PP 50 ml, Embalagem completa: 100	200
5	I.K1623		Frasco PP, graduado, boca larga 100 ml, Embalagem completa: 100	200
6	I.K1625		Frasco PP, graduado, boca larga 250 ml, Embalagem completa: 50	50
7	I.K1597		Frasco PP, boca estreita, graduado, com tampa 100 ml, Embalagem completa: 100	200
8	I.K1599		Frasco PP, boca estreita, graduado, com tampa 250 ml, Embalagem completa: 50	50
9	I.K1601		Frasco PP, boca estreita, com tampa, 500 ml, Embalagem completa: 25	50
10	I.K1603		Frasco PP, boca estreita, graduado, com tampa 1000, Embalagem completa: 20	60
11	I.LA182	Normax/Lamaplast Or Equivalent	Frasco esguicho PE 250 ml	12
12	I.LA183		Frasco esguicho PE 500 ml	18
13	I.744310000	Normax/Deltalab or Equivalent	Frasco esguicho 1000 ml	8
14	I.K389	Normax/Kartell Or Equivalent	Frasco conta-gotas PE, 100 ml, Embalagem completa: 10	10
15	I.GZ008		Frasco conta-gotas PE, 250 ml (I.K391), Embalagem completa: 10	10
16	I.V647941	Normax/Vitlab Or Equivalent	Proveta forma alta PP, classe B 25 ml, Base hexagonal, graduação em relevo, Embalagem completa: 12	12
17	I.V648941		Proveta forma alta PP, classe B 50 ml, Base hexagonal, graduação em relevo, Embalagem completa: 12	12
18	I.V649941		Proveta forma alta PP, classe B 100 ml, Base hexagonal, graduação em relevo, Embalagem completa: 12	12
19	I.V650941		Proveta forma alta PP, classe B 250 ml, Base hexagonal, graduação em relevo, Embalagem completa: 12	12
20	I.V606081		Copo forma baixa PP, grad. azul 25 ml, Unidade de venda: 12	60
21	I.V607081		Copo forma baixa PP, grad. azul 50 ml, Unidade de venda: 12	60
22	I.V608081		Copo forma baixa PP, grad. azul 100 ml, Unidade de venda: 12	12
23	I.V610081	Normax/Vitlab Or Equivalent	Copo forma baixa PP, grad. azul 250 ml, Unidade de venda: 6	6
24	I.V618081		Copo forma baixa PP, grad. azul 500 ml, Unidade de venda: 6	24
25	I.V673941		Balão volumétrico PP, CL-B com tampa, 100 ml, Marcação indiv."IN", IN 14/23, graduação a azul	4
26	I.V674941		Balão volumétrico PP, CL-B com tampa, 250 ml, Marcação indiv."IN", IN 19/26, graduação a azul	4
27	I.GZ008	Normax/Kartell or Equivalent	Trompa de vácuo (I.K1395)	5
28	I.GZ008		Adaptador p/ ref. I.K1395 (I.K1396)	5
29	I.K441		Funil Buchner PP, 390 ml	10
30	I.K839	Normax/Deltalab or Equivalent	Disco para funil Buchner 90 mm	50
31	I.719147		Funil em PP, 45 mm, Embalagem completa: 20	20
32	I.719148		Funil em PP, 66 mm, Embalagem completa: 20	20
33	I.719150		Funil PP 80 mm, Embalagem completa: 20	20
34	I.K269	Normax/Kartell or Equivalent	Suporte para funis	5
35	I.719596	Normax/Deltalab or Equivalent	Espátula colher, 180 mm, Embalagem completa: 10	10
36	I.K140	Normax/Kartell or Equivalent	Pinça para bureta, Embalagem completa: 5	5
37	I.K266		Base rectangular, furo central e 2 varetas, Embalagem completa: 1	6
38	I.K265		Porta pipetas circular, Embalagem completa: 1	3
39	I.719262		Base para suporte circular de pipetas	3
40	I.K565-04		Suporte azul para tubos 16 mm, Orifícios quadrados, autoclavável, desmontável, capacidade 5 x 12 (60) tubos, medidas: 105 x 246 x 72 mm	10

41	I.K566-03		Suporte branco para tubos 20 mm, <i>Orifícios quadrados, autoclavável, desmontável, capacidade 4 x 10 (40) tubos, medidas: 105 x 246 x 72 mm</i>	10
42	I.K568-03		Suporte branco para tubos 30 mm, <i>Orifícios quadrados, autoclavável, desmontável, capacidade 3 x 8 (24) tubos, medidas: 112 x 300 x 85 mm</i>	10
43	I.NX20015	Normax or Equivalent	Tubo cônico, 15 ml PP 50U, estéril, Normax	1000
44	I.NX20053		Tubo cônico, 50 ml PP 100U, Normax	500
45	I.7409526	Normax/Deltalab or Equivalent	Frasco 60ml, estéril A, PP, 38 x 65 mm	1000
46	I.7409726		Frasco roscado 120 ml PP 57x73 mm, Esteril A	700
47	I.K11103	Normax/Kartell or Equivalent	Base para pesagem branco, mod. SQ 7 ml	1000
48	I.LG9950194	Normax/LLG or Equivalent	Barquinha pesagem PS 30 ml 85x65x14 mm	500
49	I.LG9950195		Barquinha pesagem PS 100 ml 125x100x19 mm	1000
50	I.GZ008		Barquinha pesagem preta PS 5 ml 55x35x6 mm	1000
51	I.GZ008		Barquinha pesagem preta PS 30 ml 85x65x14 mm	500
52	I.GZ016	Normax/Brand or Equivalent	Bureta digital Titrette 50 ml (I.LG9271335)	1
53	I.GZ008	Normax/Ludwig Schneider or Equivalent	Hidrômetro, densidade relativa, sem termómetro 2.500-3.000 g/cm3	2
54	I.JP641321300401	Normax/JIPO or Equivalent	Cadinho porcelana forma alta JIPO 40x50 - 35 ml	50
55	I.JP641332237201		Funil Buchner em porcelana, JIPO diam. 62 mm, 70 ml	20
56	I.JP641332237401		Funil Buchner em porcelana, JIPO diam. 97 mm, 240 ml	20
57	I.K420	Normax/Kartell or Equivalent	Conjunto de 7 adaptadores guko	4
58	I.S1276120	Normax/J.P.Selecta or Equivalent	Microespátula dupla plana 120 mm <i>Em aço inox</i>	4
59	I.S1276150		Microespátula dupla plana 150 mm <i>Em aço inox</i>	4
60	I.S1000855		Espátula plana canelada 180 mm <i>Em aço inox</i>	4
61	I.AFKP004	Normax/Nahita or Equivalent	Espátula colher, 160 mm <i>Em aço inox</i>	4
62	I.AFKB006		Espátula inox colher plana 200mm	10
63	I.S1000801	Normax/J.P.Selecta or Equivalent	Pinça dissecação recta ponta fina <i>Em aço inox, comprimento total de 140mm</i>	6
64	I.S1000580		Pinça dissecação recta ponta roma <i>Em aço inox, comprimento total de 140mm</i>	6
65	I.GZ006	Normax/M or Equivalent	Parafilm M 75 m x 50 cm (I.LG9170003)	2
66	I.B1155162	Normax/Sensiflex or Equivalent	Luva de exame Sensiflex Deep Blue Nitrilo s/pó cx. 100 - S	1000
67	I.B1155163		Luva de exame Sensiflex Deep Blue Nitrilo s/pó cx. 100 - M	2000
68	I.B1155164		Luva de exame Sensiflex Deep Blue Nitrilo s/pó cx. 100 - L	2000
69	I.B1135671	Normax/Naturflex or Equivalent	Luva de exame Látex s/pó Naturflex® Micro µ, tam. S	1000
70	I.B1135672		Luva de exame Látex s/pó Naturflex® Micro µ, tam. M	2000
71	I.B1135673		Luva de exame Látex s/pó Naturflex® Micro µ, tam. L	2000
72	I.K213	Normax/Kartell or Equivalent	Escurridor 450x630x110 mm	2
73	I.AFFL009	Normax/Nahita or Equivalent	Pinça para cadinho, aço inox, 200mm <i>Cl abertura de 25mm</i>	6
74	I.S1010430	Normax/J.P.Selecta or Equivalent	Pinça para cadinho, 300 mm <i>Em aço inox</i>	2
75	I.K3870	Normax/Kartell or Equivalent	Tubo em látex 4x7mm (1 metro)	10
76	I.K3871		Tubo em látex 6x9mm (1 metro)	10
77	I.K70512		Conector direito, furo 4,5 mm	20
78	I.S1000064	Normax/J.P.Selecta or Equivalent	Pinça de Hoffman grande abertura <i>Abertura máxima 30mm</i>	20
79	I.S1000067		Pinça de Mohr, 70 mm <i>Em aço inox, altura total de 70mm</i>	10
80	I.S7000536		Aro fechado com noz 60 mm, aço zincado	4
81	I.S7000538		Aro fechado com noz 80 mm, aço zincado	4
82	I.S6022614		Suporte pé plano 215 x 130 mm	2
83	I.719748	Normax/Deltalab or Equivalent	Barra magnética cilíndrica 3x8 mm	20
84	I.719750		Barra magnética cilíndrica 4,5x12 mm	20
85	I.V301897	Normax/Vitlab	Barra magnética cilíndrica, PTFE 7x20 mm	20

86	I.V301997	or Equivalent	Barra magnética cilíndrica, PTFE 7x25 mm	10
87	I.719919	Normax/Deltalab or Equivalent	Vara magnética recolha ímans	2
88	I.GZ008	Normax/Kartell	Copo PTFE 50 ml (I.K717)	40
89	I.GZ008	or Equivalent	Copo PTFE 250 ml (I.K720)	4
90	4.9060001	Normax or Equivalent	Sistema filtração disco 47 mm 300 ml	10
91	4.CD04054		Balão kitasato 1000ml c/ rolha furada (para sistema de filtração)	10
92	3.21801245	Normax or Equivalent	Frasco laboratório com rosca GL 45 azul 100 ml	50
93	3.21801365		Frasco laboratório com rosca GL 45 azul 250 ml	50
94	3.21801445		Frasco laboratório com rosca GL 45 azul 500 ml	50
95	3.21801545		Frasco laboratório com rosca GL 45 azul 1000 ml	50
96	3.21801635		Frasco laboratório com rosca GL 45 azul 2000 ml	10
97	3.21804245		Frasco laboratório âmbar com rosca GL 45 azul 100 ml	10
98	3.21804365		Frasco laboratório âmbar com rosca GL 45 azul 250 ml	10
99	3.21804445		Frasco laboratório âmbar com rosca GL 45 azul 500 ml	10
100	3.2110614N		Copo forma baixa vidro boro 3.3. 25 ml	50
101	3.2110617N		Copo forma baixa vidro boro 3.3. 50 ml	50
102	3.2110624N		Copo forma baixa vidro boro 3.3. 100 ml	50
103	3.2110636N		Copo forma baixa vidro boro 3.3. 250 ml	20
104	3.2110641N		Copo forma baixa vidro boro 3.3. 400 ml	20
105	3.2110648N		Copo forma baixa vidro boro 3.3. 600 ml	10
106	3.2110654N		Copo forma baixa vidro boro 3.3. 1000 ml	10
107	3.2111617N		Copo forma alta vidro boro 3.3. 50 ml	100
108	3.2111624N		Copo forma alta vidro boro 3.3. 100 ml	50
110	3.2111629N		Copo forma alta vidro boro 3.3. 150 ml	30
111	3.2111636N		Copo forma alta vidro boro 3.3. 250 ml	50
112	3.2111648N		Copo forma alta vidro boro 3.3. 600 ml	10
113	3.2111654N		Copo forma alta vidro boro 3.3. 1000 ml	10
114	3.2111663N		Copo forma alta vidro boro 3.3. 2000 ml	6
115	3.2121624N	Normax or Equivalent	Balão Erlenmeyer boca estreita 100 ml	30
116	3.2121636N		Balão Erlenmeyer boca estreita 250 ml	40
117	3.2121644N		Balão Erlenmeyer boca estreita 500 ml	20
118	3.2121654N		Balão Erlenmeyer boca estreita 1000 ml	10
119	3.2122636N		Balão Erlenmeyer boca larga 250 ml	20
120	3.2122644N		Balão Erlenmeyer boca larga 500 ml	10
121	3.2120136N		Balão Kitasato 250 ml	20
122	3.2120144N		Balão Kitasato 500 ml	40
123	3.2120154N		Balão Kitasato 1000 ml	20
124	4.9060001		Sistema filtração disco 47 mm 300 ml	5
125	3.3135138A		Funil haste curta 70 mm	10
126	3.3135146A		Funil haste curta 100 mm	10
127	4.5149608		Proveta grad., impr. azul, boro 3.3, classe A, Normax 10 ml Com bico, base hexagonal em vidro	6
128	4.5149614		Proveta grad., impr. azul, boro 3.3, classe A, Normax 25 ml Com bico, base hexagonal em vidro	6
129	4.5149617		Proveta grad., impr. azul, boro 3.3, classe A, Normax 50 ml Com bico, base hexagonal em vidro	6
130	4.5149624		Proveta grad., impr. azul, boro 3.3, classe A, Normax 100 ml Com bico, base hexagonal em vidro	6
131	4.5149636		Proveta grad., impr. azul, boro 3.3, classe A, Normax 250 ml Com bico, base hexagonal em vidro	6
132	4.5149644		Proveta grad., impr. azul, boro 3.3, classe A, Normax 500 ml Com bico, base hexagonal em vidro	6
133	4.5149654		Proveta grad., impr. azul, boro 3.3, classe A, Normax 1000 ml Com bico, base hexagonal em vidro	6
134	4.5149663		Proveta grad., impr. azul, boro 3.3, classe A, Normax 2000 ml Com bico, base hexagonal em vidro	6

135	4.3168609	Normax or Equivalent	Balão volumétrico, boro 3.3, impr. azul, rolha plást. Normax 10/19 cl-A 10 ml	20
136	4.3168614		Balão volumétrico, boro 3.3, impr. azul, rolha plást. Normax 10/19 cl-A 25 ml	100
137	4.3168617		Balão volumétrico, boro 3.3, impr. azul, rolha plást. Normax 12/21 cl-A 50 ml	200
138	4.3168624		Balão volumétrico, boro 3.3, impr. azul, rolha plást. Normax 12/21 cl-A 100 ml	100
139	4.3168632		Balão volumétrico, boro 3.3, impr. azul, rolha plást. Normax 14/23 cl-A 200 ml	10
140	4.3168636		Balão volumétrico, boro 3.3, impr. azul, rolha plást. Normax 14/23 cl-A 250 ml	30
141	4.3168644		Balão volumétrico, boro 3.3, impr. azul, rolha plást. Normax 19/26 cl-A 500 ml	20
142	4.3168654		Balão volumétrico, boro 3.3, impr. azul, rolha plást. Normax 24/29 cl-A 1000 ml	10
143	4.54330331		Bureta torneira direita macho PTFE 0,1 AS c/b 25 ml	2
144	4.54330361		Bureta torneira direita macho PTFE 0,1 AS c/b 50ml	4
145	4.54330391		Bureta torneira direita macho PTFE 0,2 AS c/b 100ml	4
146	4.4132132		Vidro relógio 50 mm	20
147	4.4132141		Vidro relógio 80 mm	20
148	4.4132146		Vidro relógio 100 mm	20
149	4.5058501		Caixa Petri, vidro soda, 40x12 mm	80
150	4.5058541		Caixa Petri, vidro soda, 60x15 mm	60
151	4.5058548		Caixa Petri, vidro soda, 100x20 mm	36
152	3.3135133A		Funil haste curta 55 mm	100
153	3.3135138A		Funil haste curta 70 mm	50
154	3.3135146A		Funil haste curta 100 mm	12
155	4.3135157		Funil haste curta 150 mm	12
156	4.3433901		Pipeta volumétrica 1 traço, imp. azul, classe AS, Normax 1 ml	15
157	4.3433902		Pipeta volumétrica 1 traço, imp. azul, classe AS, Normax 2 ml	15
158	4.3433907		Pipeta volumétrica 1 traço, imp. azul, classe AS, Normax 5 ml	15
159	4.3433908		Pipeta volumétrica 1 traço, imp. azul, classe AS, Normax 10 ml	15
160	4.3433912		Pipeta volumétrica 1 traço, imp. azul, classe AS, Normax 20 ml	10
161	4.3433914		Pipeta volumétrica 1 traço, imp. azul, classe AS, 25 ml	10
162	1.7192	Normax/Deltalab or Equivalent	Pera de borracha	5
163	4.909001	Normax or Equivalent	Vareta vidro boleada 8x200 mm	10
164	4.9090007		Vareta vidro boleada 8x300 mm	10
165	1.7W-100	Normax/Deltalab or Equivalent	Aspirador de segurança para pipetas, azul, 0-2ml	2
166	1.7W-110		Aspirador de segurança para pipetas, verde, 0-10 ml	2
167	1.7W-120		Aspirador de segurança para pipetas, vermelho, 2-25 ml	2
168	1.5611023	Normax or Equivalent	Tubo ensaio fundo redondo, boro 4.9, 18x1,2x180 mm	600
169	4.44704		Ampola forma pêra macho vidro, 14/23, 100 ml	8
170	4.44713		Ampola forma pêra macho vidro, 29/32, 250 ml	8
171	4.49060191		Dessecador de vácuo (com torneira) com placa de porcelana 150 mm	4
172	4.49060341		Dessecador de vácuo (com torneira) com placa de porcelana 300 mm	2

173	I.APSH002	Normax/FiltresRS or Equivalent	Papel filtro qualitativo FC75R filtração muito rápida Ø 55 mm, cx. 100	20
174	I.APSH004		Papel filtro qualitativo FC75R filtração muito rápida Ø 90 mm, cx. 100	20
175	I.APSM006		Filtros quantitativos SCRO plano. filtração rápida Ø 90 mm cx 100	10
176	I.APSM007		Papel filtro, (SCRO) diam. 110 mm cx100	30
177	I.CH03020LL	Normax/Chirana or Equivalent	Seringa irrecuperável 3 peças Chirana Luer Lock 20 ml, Estéril, embalagem individual, isento de Látex, DEHP, PVC, apirogênico, luer lock excêntrico	50
178	2.BD300865	Normax/BD or Equivalent	Seringa BD Plastipak 3 pcs Luer Lock 50/60 ml	60
179	I.APSR008	Normax/FiltresRS or Equivalent	Filtro de membrana 25mmx0,45um não estéril cx200	1
180	I.NX304745	Normax or Equivalent	Filtro de membrana MCE, esteril 0,45umx47mm individual, cx100, Normax	1
181	I.VI627525	Normax/Vitlab or Equivalent	Doseador Vitlab "TA2" 1-10 ml (Platina-Irídio) c/ válvula de recirculação	1
182	I.VI625504		Doseador Vitlab "Genius 2" 0.5 - 5 ml	2
183	I.VI625505		Doseador Vitlab "Genius 2" 1 - 10 ml, Com válvula de recirculação.	2
184	I.VI625506		Doseador Vitlab "Genius 2" 2,5 - 25 ml	2
185	I.BH728030		Micropipeta Proline Plus 2-20 µL, completamente autoclavável a 121 °C	2
186	I.BH728060		Micropipeta Proline Plus 20-200 µL, completamente autoclavável a 121 °C.	2
187	I.BH728070		Micropipeta Proline Plus 100-1000 µL, Completamente autoclavável a 121 °C.	3
188	I.BH728080		Micropipeta Proline Plus 500-5000 µL, completamente autoclavável a 121 °C.	3
189	I.BH728080	Normax/Sartorius or Equivalent	Micropipeta Proline Plus 500-5000 µL, completamente autoclavável a 121 °C.	2
190	I.GZ016		Micropipeta electrónica Picus 2, 50-1,000 µl	2
191	I.GZ016		Micropipeta electrónica Picus 2, 100-5,000 µl	2
192	I.BH721014		Filtro Safe-Cone Standard PE Ø 1.83 mm, Para micropipetas modelo Proline, Proline Plus, Mline e Tacta dos volumes 2-20 µl.	50
193	I.BH721007		Filtro Safe-Cone Standard PE Ø 3,15 mm, Para micropipetas modelo Proline, Proline Plus, Mline e Tacta dos volumes	50
194	I.BH721006		Filtro Biohit PE Ø 5.33 mm	50
195	I.BH721005		Filtro Biohit PE Ø 6.73 mm	50
196	I.BH725620		Suporte linear para pipetas Sartorius	1
197	I.7200015	Normax/Deltalab or Equivalent	Ponta universal macro, cor natural, com coroa tipo Gilson, 2-10 ml, Compatibilidade (não exclusiva): Labsystem, Socorex	1000
198	I.7200075		Ponta universal macro, cor natural, com coroa tipo Eppendorf, 1-5 ml, Compatibilidade (não exclusiva): Eppendorf, Sartorius, DSG, Genex, Jencons, Socorex Acura 835	2000
199	I.7200012		Ponta universal, cor azul, 50-1000 µl	5000
200	I.7200009		Ponta universal, cor amarela, tipo Eppendorf, 5-200 µl, Compatibilidade (não exclusiva): Eppendorf, Gilson, Brand, Sartorius, DSG, Elkay, Finnpiptette, Genex, Jencons, Socorex, Nichiryo, HTL	5000
201	I.7301-11		Ponta universal, cor natural, tipo Eppendorf, biselada, 0,5-20 µl, Compatibilidade (não exclusiva): Eppendorf, Gilson, Sartorius, Brand, DSG, Elkay, Finnpiptette, Jencons, Nichiryo, Socorex, HTL	2000
202	I.AGNC001	Normax/Nahita or Equivalent	Centrífuga Multibas+ rotor oscilante	1

203	I.AGNP005		Conjunto de adaptadores para 8 tubos de 50 ml p/Multibas+	I
204	I.AGNP006		Conjunto de adaptadores para 24 tubos de 15 ml p/Multibas+	I
205	I.S3000156	Normax/J.P. Selecta or Equivalent	Placa rectangular "Combiplac" 9 Kg	I
206	I.S7000953		Agitador magnético "Multimatic 5-N"	I
207	I.S6000709		Banho de Areia "Combiplac-Sand" 5x30x30 cm	I
208	I.GZ003		Agitador de Varetas "SE-100" (I.S7000385)	I
209	I.GZ003		Vareta agitadora forma I	I
210	I.S5910100		Bomba de membrana para vácuo mod. "MV 50"	I
211	I.GZ003	Normax/Sartorius or Equivalent	Rampa de filtração Microsart Manifold 6 posições com copos inox	I
212	I.735081	Normax/Deltalab or Equivalent	Tubo silicone, diam. int. 8 x diam. ext. 10 x comp. 15m	I
213	ZFG 3.I	Zorn or Equivalent	Light Weight Deflectometer ZORN ZFG 3.I	I
Accessories:				
1	Z02.00041	Zorn or Equivalent	Transport case ZORN ACC5	
2	Z02.00029		Kit Rodas	
3	Z03.00007		Impressora Térmica	
4	Z02.00037		Dispositivo de carga com peso de queda de 15 kg para ZFG 3.I	
5	Z03.00003		Base Magnética	
6	Z02.00004		Transport trolley for ZFG 3.0/3.I	