

Sede di Khartoum



# SUPPLY CONTRACT

# **Italian Agency for Development Cooperation (AICS)**

Khartoum Office, Street 33, Amarat, Khartoum – Sudan on behalf of and for the account of the government of Italy

('The contracting authority')

of the one part,

and

#### Omnia Medical Services Co.

Registration number: 2295 VAT: 110010018500 North East Al Gourashi Park Katarina Street ,Khartoum 2, Khartoum, Sudan ('the contractor')

have agreed as follows:

of the other part,

# **CONTRACT TITLE**

# Supply of Laboratory Equipment for Kassala Health Citadel - SUDAN

**LOT 2: Laboratory Equipment** 

CIG: 9220580752

# Article 1 Subject

- 1.1 The subject of the contract shall be: the supply, delivery, unloading, siting and installation, commissioning, maintenance, after-sales service of the following supplies:
  - 2.1 n. 1 Laboratory tools
  - 2.2 n. 1 Analysers, Laboratory, Immunoessay, Photometric, Microplate reader
  - 2.3 n. 1 Analysers, Washer, Microplate
  - 2.4 n. 2 Anaerobic culture Pack/Pouch Kits, Jar, 2.5 L
  - 2.5 n. 2 Anaerobic culture Pack/Pouch Kits, Jar, 3.5 L
  - 2.6 n. 5 Anaerobic culture Pack/Pouch Kits, Jar, Rectangular
  - 2.7 n. 5 Centrifuge, Tabletop, Low Speed, Non refrigerated.
  - 2.8 n. 1 Centrifuge, Tabletop, High-Speed, Refrigerated
  - 2.9 n. 2 Densitometer, Laboratory, Scanning
  - 2.10 n. 2 ESR Westergren Method, Manual
  - 2.11 n. 1 Heating Block
  - 2.12 n. 1 Hoods, Microbiological





Street 33- Al Amarat – Khartoum- Sudan Tel. 00249 (0) 183 483 466 E-mail: segreteria.khartoum@aics.gov.it www.khartoum.aics.gov.it









#### Sede di Khartoum

2.13	n. 1	Incubator, aerobic
2.14	n. 6	Microscope, laboratory, light
2.15	n. 2	Th Mictel
2.16	n. 2	Pipettes, Multichannel
2.17	n. 10	Pipettes, Variable Volume, 100-1000 Microliters
2.18	n. 10	Pipettes, Variable Volume, 5-200 Microliters
2.19	n. 1	Safety Cabinet, Class II, Type A2
2.20	n. 1	Shaker, Vortex
2.21	n. 1	Sterilizing Unit, Dry Heat
2.22	n. 2	Sterilizing Unit, Steam, Bulk
2.23	n. 3	Stirrer, Magnetic, Hot Plate
2.24	n. 12	Stool, Operator
2.25	n. 2	Weighting System, Analytical Balance
2.26	n. 2	Weighting system, Electronic

Supplies as better detailed in technical specifications attached to this contract.

The place of acceptance of the supplies shall be: Kassala Health Citadel – Kassala, Sudan – Diagnostic Center. Time limits for delivery shall be 120 days and the Incoterm applicable is DDP<sup>1</sup>.

- 1.2 The contractor shall comply strictly with the terms of the special conditions and the technical annex.
- 1.3 The supplies which form the subject of the contract must be accompanied by the spare parts described by the contractor in its tender and by the accessories and other items necessary for using the goods over a period of 1 year, as specified in the instructions to tenderers.

### Article 2 Origin

The rules of origin of the goods are defined in Article 10 of the special conditions.

A certificate of origin for the goods must be provided by the contractor at the latest when it requests provisional acceptance of the goods. Failure to comply with this condition may result in the termination of the contract and/or suspension of payment.

# Article 3 Price

- 3.1 Total contract price: **Euro 135.732,21.**
- 3.2 Payments shall be made in accordance with the general and/or special conditions (Articles 26 to 28).

DDP (Delivery Duties Paid- Incoterms 2020 International Chamber of Commerce <a href="http://www.iccwbo.org/incoterms/">http://www.iccwbo.org/incoterms/</a>



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# Article 4 Order of precedence of contract documents

The contract is made up of the following documents, in order of precedence:

- -the contract agreement;
- -the special conditions.
- -the general conditions (Annex I);
- -the technical specifications (Annex II);
- -the technical offer (Annex III);
- -the budget breakdown (Annex IV);
- -Legal Entity
- -Financial identification

The various documents making up the contract shall be deemed to be mutually explanatory; in cases of ambiguity or divergence, they shall prevail in the order in which they appear above.

Done in English in two originals, one original being for the AICS and one original being for the contractor.

For the contractor

Name: Marwa Shoukry

Title: Sales manager

Signature:

Date: 7/11/2022

For the contracting authority

Name: Michele Morana

Title: Head of AICS Khartoum

Signature:

Date:

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### SPECIAL CONDITIONS

# **CONTENTS**

These conditions amplify and supplement, if necessary, the general conditions governing the contract. Unless the special conditions provide otherwise, those general conditions remain fully applicable. The numbering of the articles of the special conditions is not consecutive but follows the numbering of the articles of the general conditions. In exceptional cases, and with the authorisation of the appropriate Commission/AICS departments, other clauses may be added to cover specific situations.

# Article 2 Language of the contract

2.1 The language used shall be English.

### **Article 4** Communications

4.1 Any Communications about the contract by the contractor to the Contracting Authority will be in writing and addressed to the attention of <a href="The Coordinator of Kassala Health Citadel Program – Eng. Nicola De Mastro">The Coordinator of Kassala Health Citadel Program – Eng. Nicola De Mastro</a> indicating the contract reference number; a scanned copy will be sent to the following email address: nicola.demastro@aics.gov.it.

#### **Contractor:**

Omnia Medical Services Co.

Tel. + 249123333025 sales2@omsco.sd

# Article 6 Subcontracting

6.3 When selecting subcontractors, the contractor must give preference to natural persons or companies from SUDAN States capable of implementing the tasks required on similar terms.

# Article 7 Supply of documents

- 7.1 The Contractor takes full responsibility of the implementation of tasks in order to successfully achieve the scope of the contract. So, he could decide to perform a sites survey before the effectiveness of the contract. The Contractor will submit a **final plan of activities** agreed with the Contracting Authority, stamped and signed by the legal representative. The final activity plan will indicate the human resources and all the other means intended to use. This plan must take into account the operational needs of the Health Facilities where equipment and services are delivered and minimize any inconvenience arising from the execution of the contract. The activity plan should also put in evidence any civil works to be performed by the Health Facilities before the delivery of the equipment. Any needed civil works that are not mentioned in the activity plan and agreed with the Contracting Authority will be at charge of the Contractor, without any reimbursement.
- 7.2 The Contracting Authority shall approve the activity plan after its submission or may propose modifications. If the Contracting Authority will not respond, the activity plan will be considered approved by silent consent. In the event of request of modification, the contractor could propose modifications to the activity plan. If modifications will not be submitted for approval, the Contractor may incur in the sanctions as provided for in the following Article 21 Delays in implementation of the tasks and also in the contract General Conditions.

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## Article 8 Assistance with local regulations

8.2 The Contracting Authority will provide the Contractor all the necessary documents/ declaration for the tax exemption and custom clearance despite the delivery terms are DDP.

# Article 9 General obligations

9.1 The contractor shall take the necessary measures to ensure the visibility of the Italian Cooperation Financing. These measures must comply with the requirements settled down in the article 29.5

# Article 10 Origin

All supplies under this contract can originate from any country. eligible to participate. The product must have been assessed to meet all high safety, health, and environmental protection requirements for CE marking and the letter 'CE' must appear on the products traded. CE marking is mandatory. The CE marking must be visible, legible and indelible" https://ec.europa.eu/growth/singlemarket/ce-marking en.

# Article 11 Performance guarantee

- 11.1 The amount of the performance guarantee shall 10 % of the total contract price, including any amounts stipulated in addenda to the contract.
- 11.7 The performance guarantee shall be released within 60 days of the issuing of the signed final acceptance certificate for its total amount except for amounts, which are the subject of amicable settlement, arbitration, or litigation.

### Article 12 Liabilities and insurance

12.1 All risks insurance: Subject: "warehouse to warehouse"; Amount: 110% of DDP (Delivered Duty Paid– Incoterms 2020) value in Euro must be included in the DDP prices. Insured parties: Insurance should be made in the name of the Contracting Authority. Coverage period: From the date of commencement of activities to date of provisional acceptance.

# Article 13 Programme of implementation of tasks

Within 20 days from the notification signature of the contract the contractor will send to the Contracting Authority a **timetable of activities to come**, with indication of duration, date, means and units of Human resources appointed to undertake the task. The Project Manager will approve by AICS the Programme of Implementation of tasks.

#### **Article 14 Contractor's drawings**

14.1 The Contractor will provide the final user with a complete set of technical drawings for installation, including the electrical drawings of every component with service manual in English language.

## Article 15 Sufficiency of tender prices

15.1 No revision of tender prices is allowed, and the Contractor is deemed to have evaluated with diligence every cost component arising from the implementation of contract tasks.

# Article 16 Tax and customs arrangements

16.1 Delivery conditions are DDP incoterms 2020.

#### Article 17 Patents and licences

17.1 All Licence for software utilization and updates have to be in the name of the final User.

#### Article 18 Commencement order

18.1 No Commencement order will be issued by the contracting authority.

The implementation of the tasks will commence after the contract signature by both parties

# Article 19 Period of implementation of the tasks

19.1 The period of implementation of task is 120 days from the commencement date.

# Article 21 Delays of implementation of the tasks

21.4 If the authorized local service in charge of the after-sale and maintenance service does not provide the service according to the deadline established in the Technical Specifications, it will be subdue to penalties. This penalty for such delay is set to 50 Euro per day and up to a maximum of 1 % of the value of the contract. The amount corresponding of the total delays will be deducted from the Performance Guarantee or any other payment due to the contractor.

# **Article 24 Qualities of Supplies**

- 24.4 The supplies shall have valid CE mark and shall be compliant with IEC 60601 last revision standard, IEC 61010-1 EU Directive 93/42/CEE MDD.
- 24.5 The Tenderer shall warrant that all supplies have no defect arising from design, materials or workmanship.
- 24.6 The Contractor shall warrant that the supplies are new, unused, of the most recent models and incorporate all recent improvements in design and materials. The Contractor shall further warrant that none of the supplies have any defect arising from design, materials or workmanship.

### Article 25 Inspection and testing

- 25.2 The place to inspect and test the goods will be the place of destination at the presence of the final user, the donor, and the contractor representatives.
- 25.4 The Contractor shall test, calibrate, and commission the goods, in presence of the Contracting Authority, as appropriate and in such way that, upon installation completion, they are fully operational and ready for use.
- 25.9 The Contractor shall cover all official testing and commissioning procedure costs including costs for instrumentation and materials.
- 25.10 Only specialized and qualified personnel by the contractor will install and test the supplies.
- 25.11 The contractor will submit to the Contracting Authority and the final user the complete set of reports of installation.

### Article 26 General principles for payments

- 26.1 Payments shall be made in euros. Pre-financing is applicable to this contract.
- 26.3 The final payment to the contractor of the amounts due shall be made within 90 days after receipt by the contracting authority of an invoice and the certificate of provisional acceptance.
  - a) For the 40% pre-financing, the pre-financing guarantee.

- b) For the 60 % balance, the invoice together with the request for provisional acceptance of the supplies.
- 26.9 The contract does not include price revision.

# Article 29 Delivery

- 29.1 The Contractor shall bear all risks relating to the goods until final acceptance at destination. The supplies shall be packaged to prevent their damage or deterioration in transit to their destination
- 29.3 The packaging shall remain the property of the contractor subject to environmental considerations.
- 29.4 The Supplier shall mail to the Contracting Authority, with a copy to the Insurance Company all the documents necessary to the delivery of the goods (the list of these documents will be defined at the moment of the contract signature).
- 29.5 Sticker with the Logo of the Donor (see Pattern Dimension of minimum 20 cm lower side or if rounded consider the radius) must be placed on each package of the items described in Article 1.1 of the Instruction to the Tenderers, with the words: Grant of AICS.

# **Article 30 - Verification operations**

- 30.6 The Contractor will provide reconstruction of the whole floors, walls, finishing and any other damage or need for adaptation/repair of the rooms/building. This means, but it is not limited to, also the fixed furniture and finishing and the installations (including electrical power, data network, medical gases, air conditioning, water supply and drainage, etc.) possibly affected by the supply, as well as all other damages caused during the installation works.
- 30.7 Any damage to hospital structures, finishing or installations caused by the supplier/installer shall be repaired by the supplier/installer within 2 weeks using the same construction materials of the damaged areas and restoring all the previous services with the same supply quality.
- 30.8 The Contractors shall install, put in perfect operating conditions and ready to use the offered medical equipment, including the calibration of the systems to ensure the best digital images quality.
- 30.9 The Contractor shall perform on the contract with due care and diligence, providing for the delivery, assembly, testing and start-up of the equipment, including correction of any defects. The Contractor must have skilled manpower equipped with appropriate tools to properly execute the contract.

### Article 31 Provisional acceptance

The certificate of provisional acceptance must be issued using the template in Annex C11.

- 31.2. By derogation, the contractor may apply, by notice to the project manager, for a certificate of provisional acceptance when supplies are ready for provisional acceptance. The project manager shall within 45 days of receipt of the contractor's application either:
  - issue the certificate of provisional acceptance to the contractor with a copy to the contracting authority stating, where appropriate, his reservations, and, inter alia, the date on which, in his opinion, the supplies were completed in accordance with the contract and ready for provisional acceptance; or
  - reject the application, giving his reasons and specifying the action which, in his opinion, is required of the contractor for the certificate to be issued.

The contracting authority's time limit for issuing the certificate of provisional acceptance to the contractor shall not be considered included in the time limit for

payments indicated in Article 26.3.

# Article 32 Warranty obligations

- 32.2. Unlimited *On demand* interventions shall be included for any defect covered by the warranty according to the Technical Specification in Annex II. The interventions will include spare parts.
- 32.10 Spare parts, consumables and maintenance services Availability of spare parts, consumables and maintenance services must be guaranteed for not less than 10 years from the date of signature of the contract.

# Article 33 After-sales service

- 33.2 The Contractor shall provide, for all the articles supplied, the provision of reliable and regular aftersales and maintenance service at the place of installation, guaranteeing repair of the goods supplies during 12 months' period after Provisional Acceptance.
- 33.3 This service has to be conducted according to the requirements indicated in Annex II and III. Such service will make available timely the necessary spare parts, reagents and consumables through a commercial relationship with the producer.
- 33.4 Except for what differently provided in the technical specifications (annex II to the contract), the after sales service is comprehensive of 2 mandatory interventions per year. After Sale service shall include regular preventive maintenance/safety and functionality checks / QA as per Manufacturer's recommendations

# Article 40 Settlement of disputes

40.1 Any disputes arising out of or relating to this contract, which cannot be settled, otherwise shall be referred to the exclusive jurisdiction of Italy in accordance with the national legislation of the state of the contracting authority.

### **Article 44 Data protection**

- 44.1 Processing of personal data related to the implementation of the contract by the contracting authority takes place in accordance with the national legislation of the state of the contracting authority and with the provisions of the respective financing agreement.
- To the extent that the contract covers an action financed by the European Union, 44.2 the Contracting Authority may share communications related to the implementation of the contract, with the European Commission. These exchanges shall be made to the Commission, solely for the purpose of allowing the latter to exercise its rights and obligations under the applicable legislative framework and under the financing agreement with the Partner country – contracting authority. The exchanges may involve transfers of personal data (such as names, contact details, signatures and CVs) of natural persons involved in the implementation of the contract (such as contractors, staff, experts, trainees, subcontractors, insurers, guarantors, auditors and legal counsel). In cases where the contractor is processing personal data in the context of the implementation of the contract, he/she shall accordingly inform the data subjects of the possible transmission of their data to the Commission. When personal data is transmitted to the Commission, the latter processes them in accordance with Regulation (EU) 2018/1725 of the European Parliament and of the Council of 23 October 2018 on the protection of natural persons with regard to the processing of personal data by the Union institutions, bodies, offices and agencies and on the free movement of such data, and repealing Regulation (EC) No 45/2001 and Decision No

1247/2002/EC1 and as detailed in the specific privacy statement published at ePRAG.

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<sup>&</sup>lt;sup>1</sup> OJ L 205 of 21.11.2018, p. 39

# **ANNEX I: GENERAL CONDITIONS**

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### PRELIMINARY PROVISIONS

#### **Article 1 - Definitions**

- 1.1. The headings and titles in these general conditions shall not be taken as part thereof or be taken into consideration in the interpretation of the contract.
- 1.2. Where the context so permits, words in the singular shall be deemed to include the plural and vice versa, and words in the masculine shall be deemed to include the feminine and vice versa.
- 1.3. Words designating persons or parties shall include firms and companies and any organisation having legal capacity.
- 1.4. The definitions of the terms used throughout these general conditions are laid down in the 'Glossary of terms', Annex A1a to the practical guide, which forms an integral part of the contract.

### Article 2 - Language of the contract

2.1. The language of the contract and of all communications between the contractor, contracting authority and project manager or their representatives shall be as stated in the special conditions.

### Article 3 - Order of precedence of contract documents

3.1. The order of precedence of the contract documents shall be stated in the contract.

#### **Article 4 - Communications**

- 4.1. Any written communication relating to this contract between the contracting authority or the project manager, and the contractor shall state the contract title and identification number, and shall be sent by post, cable, telex, facsimile transmission, e-mail or personal delivery, to the appropriate addresses designated by the parties for that purpose in the special conditions.
- 4.2. If the sender requires evidence of receipt, it shall state such requirement in its communication and shall demand such evidence of receipt whenever there is a deadline for the receipt of the communication. In any event, the sender shall take all the necessary measures to ensure timely receipt of its communication.
- 4.3. Wherever the contract provides for the giving or issue of any notice, consent, approval, certificate or decision, unless otherwise specified such notice, consent, approval, certificate or decision shall be in writing and the words 'notify', 'consent', 'certify', 'approve' or 'decide' shall be construed accordingly. Any such consent, approval, certificate or decision shall not unreasonably be withheld or delayed.
- 4.4. Any oral instructions or orders shall be confirmed in writing.

# **Article 5 - Assignment**

- 5.1. An assignment shall be valid only if it is a written agreement by which the contractor transfers its contract or part thereof to a third party.
- 5.2. The contractor shall not, without the prior consent of the contracting authority, assign the contract or any part thereof, or any benefit or interest thereunder, except in the following cases:
  - a) a charge, in favour of the contractor's bankers, of any monies due or to become due under the contract; or
  - b) the assignment to the contractor's insurers of the contractor's right to obtain relief against any other person liable in cases where the insurers have discharged the contractor's loss or liability.
- 5.3. For the purpose of Article 5.2, the approval of an assignment by the contracting authority shall not relieve the contractor of its obligations for the part of the contract already performed or the part not assigned.
- 5.4. If the contractor has assigned the contract without authorisation, the contracting authority may, without formal notice thereof, apply as of right the sanction for breach of contract provided for in Articles 35 and 36.
- 5.5. Assignees shall satisfy the eligibility criteria applicable for the award of the contract and they shall not fall under the exclusion criteria described in the tender dossier.

# **Article 6 - Subcontracting**

- 6.1. A subcontract shall be valid only if it is a written agreement by which the contractor entrusts performance of a part of the contract to a third party.
- 6.2. The contractor shall request to the contracting authority the authorisation to subcontract. The request must indicate the elements of the contract to be subcontracted and the identity of the subcontractors. The contracting authority shall notify the contractor of its decision within 30 days of receipt of the request, stating reasons should it withhold such authorisation.
- 6.3. Subcontractors shall satisfy the eligibility criteria applicable for the award of the contract. They shall not fall under the exclusion criteria described in the tender dossier and the contractor shall ensure that they are not subject to EU restrictive measures.
- 6.4. No subcontract creates contractual relations between any subcontractor and the contracting authority.
- 6.5. The contractor shall be responsible for the acts, defaults and negligence of its subcontractors and their agents or employees, as if they were the acts, defaults or negligence of the contractor, its agents or employees. The approval by the contracting authority of the subcontracting of any part of the contract or of the subcontractor to perform any part of the tasks shall not relieve the contractor of any of its obligations under the contract.
- 6.6. If a subcontractor has undertaken any continuing obligation extending for a period exceeding that of the warranty period under the contract towards the contractor in respect of the supplies provided by the subcontractor, the contractor must, at any time after the

- expiration of the warranty period, transfer immediately to the contracting authority, at the contracting authority's request and cost, the benefit of such obligation for the unexpired duration thereof.
- 6.7. If the contractor enters into a subcontract without approval, the contracting authority may, without formal notice thereof, apply as of right the sanction for breach of contract provided for in Articles 35 and 36.
- 6.8. If a subcontractor is found by the contracting authority or the project manager to be incompetent in discharging its duties, the contracting authority or the project manager may request the contractor forthwith, either to provide a subcontractor with qualifications and experience acceptable to the contracting authority as a replacement, or to resume the implementation of the tasks itself.

# **OBLIGATIONS OF THE CONTRACTING AUTHORITY**

# Article 7 - Supply of documents

- 7.1. Save where otherwise provided in the special conditions, within 30 days of the signing of the contract, the contracting authority shall provide the contractor, free of charge, with a copy of the drawings prepared for the implementation of the tasks and a copy of the specifications and other contract documents. The contractor may purchase additional copies of these drawings, specifications and other documents, in so far as they are available. Upon final acceptance, the contractor shall return to the contracting authority all drawings, specifications and other contract documents.
- 7.2. The contracting authority shall co-operate with the contractor to provide information that the latter may reasonably request in order to perform the contract.
- 7.3. The contracting authority shall notify the contractor of the name and address of the project manager.
- 7.4. Unless it is necessary for the purposes of the contract, the drawings, specifications and other documents provided by the contracting authority shall not be used or communicated to a third party by the contractor without the prior consent of the contracting authority.
- 7.5. The project manager shall have authority to issue to the contractor administrative orders incorporating such supplementary documents and instructions as are necessary for the proper execution of the contract and the remedying of any defects therein.
- 7.6. The special conditions must indicate the procedure used, if necessary, by the contracting authority and the project manager to approve drawings and other documents provided by the contractor.

### Article 8 - Assistance with local regulations

8.1. The contractor may request the assistance of the contracting authority in obtaining copies of laws, regulations and information on local customs, orders or bye-laws of the country where the supplies are to be delivered which may affect the contractor in the performance of its obligations under the contract. The contracting authority may provide the assistance requested to the contractor at the contractor's cost.

- 8.2. The contractor shall duly notify the contracting authority of details of the supplies so that the contracting authority can obtain the requisite permits or import licences.
- 8.3. The contracting authority will undertake to obtain, in accordance with the special conditions, the requisite permits or import licences within a reasonable period, taking account of the implementation dates for the tasks.
- 8.4. Subject to the provisions of the laws and regulations on foreign labour of the country in which the supplies are to be delivered, the contracting authority provides reasonable assistance to the contractor, at its request, for its application for any visas and permits required by the law of the country in which the supplies are to be delivered, including work and residence permits, for the personnel whose services the contractor and the contracting authority consider necessary, as well as residence permits for their families.

### OBLIGATIONS OF THE CONTRACTOR

# Article 9 - General obligations

- 9.1. The contractor shall execute the contract with due care, efficiency and diligence in accordance with the best professional practice.
- 9.2. The contractor shall, in accordance with the provisions of the contract, supply (deliver, unload, commission) the supplies and carry out any other work including the remedying of any defects in the supplies. The supply may include, as an incidental matter, siting and installation operations. The contractor shall also provide all necessary equipment, supervision, labour and facilities required for the implementation of the tasks.
- 9.3. The contractor shall comply with administrative orders given by the project manager. Where the contractor considers that the requirement of an administrative order goes beyond the scope of the contract, it shall, give notice with reasons to the project manager. If the contractor fails to notify within 30 days period after receipt thereof, he shall be barred from so doing. Execution of the administrative order shall not be suspended because of this notice.
- 9.4. The contractor shall supply, without delay, any information and documents to the contracting authority upon request, regarding the conditions in which the contract is being executed.
- 9.5. The contractor shall respect and abide by all laws and regulations in force in the country where the supplies are to be delivered and shall ensure that its personnel, their dependants, and its local employees also respect and abide by all such laws and regulations. The contractor shall indemnify the contracting authority against any claims and proceedings arising from any infringement by the contractor, its employees and their dependants of such laws and regulations.
- 9.6. Should any unforeseen event, action or omission directly or indirectly hamper performance of the contract, either partially or totally, the contractor shall immediately and at its own initiative record it and report it to the contracting authority. The report shall include a description of the problem and an indication of the date on which it started and of the remedial action taken by the contractor to ensure full compliance with its obligations under the contract. In such event the contractor shall give priority to solving the problem rather than determining liability.

- 9.7. Subject to Article 9.9, the contractor undertakes to treat in the strictest confidence and not make use of or divulge to third parties any information or documents which are linked to the performance of the contract without the prior consent of the contracting authority. The contractor shall continue to be bound by this undertaking after completion of the tasks and shall obtain from each member of its staff the same undertaking. However, use of the contract's reference for marketing or tendering purposes does not require prior approval of the contracting authority, except where the contracting authority declares the contract to be confidential.
- 9.8. If the contractor is a joint venture or a consortium of two or more persons, all such persons shall be jointly and severally bound in respect of the obligations under the contract, including any recoverable amount. The person designated by the consortium to act on its behalf for the purposes of the contract shall have the authority to bind the consortium and is the sole interlocutor for all contractual and financial aspects. The composition or the constitution of the joint venture or consortium shall not be altered without the prior consent of the contracting authority. Any alteration of the composition of the consortium without the prior consent of the contracting authority may result in the termination of the contract.
- 9.9. Save where the Contracting Authority requests or agrees otherwise, the contractor shall ensure the highest visibility to the financial contribution of the AICS. To ensure such publicity the contractor shall implement among other actions the specific activities described in the special conditions. All measures must comply with the rules in the Communication and Visibility Manual for AICS Karthoum Office programmes
- 9.10. Any records shall be kept for a 7-year period after the final payment made under the contract. In case of failure to maintain such records the contracting authority may, without formal notice thereof, apply as of right the sanction for breach of contract provided for in Articles 35 and 36.

#### Article 9a - Code of conduct

9a.1 The contractor shall at all times act impartially and as a faithful adviser in accordance with the code of conduct of its profession. It shall refrain from making public statements about the project without the prior approval of the contracting authority. It shall not commit the contracting authority in any way without its prior consent and shall, where appropriate, make this obligation clear to third parties.

Physical abuse or punishment, or threats of physical abuse, sexual abuse or exploitation, harassment and verbal abuse, as well as other forms of intimidation shall be prohibited. The contractor shall also provide to inform the contracting authority of any breach of ethical standards or code of conduct as set in the present Article. In case the contractor is aware of any violations of the abovementioned standards he shall report in writing within 30 days to the contracting authority

- 9a.2 The contractor and its staff shall respect human rights and applicable data protection rules.
- 9a.3 The contractor shall respect environmental legislation applicable in the country where the supplies have to be delivered and internationally agreed core labour standards, i.e. the ILO core labour standards, conventions on freedom of association and collective bargaining, elimination of forced and compulsory labour, elimination of discrimination in respect of employment and occupation, and the abolition of child labour, as well as applicable obligations established by these conventions:

- Vienna Convention for the protection of the Ozone Layer and its Montreal Protocol on substances that deplete the Ozone Layer;
- Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal (Basel Convention);
- Stockholm Convention on Persistent Organic Pollutants (Stockholm POPs Convention);
- Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade (UNEP/FAO) (The PIC Convention) Rotterdam, 10 September 1998, and its 3 regional Protocols.
- 9.a.4 The contractor or any of its subcontractors, agents or personnel shall not abuse of its entrusted power for private gain. The contractor or any of its subcontractors, agents or personnel shall not receive or agree to receive from any person or offer or agree to give to any person or procure for any person, gift, gratuity, commission or consideration of any kind as an inducement or reward for performing or refraining from any act relating to the performance of the contract or for showing favour or disfavour to any person in relation to the contract. The contractor shall comply with all applicable laws and regulations and codes relating to anti-bribery and anti-corruption.
- 9.a.5 The payments to the contractor under the contract shall constitute the only income or benefit it may derive in connection with the contract. The contractor and its staff must not exercise any activity or receive any advantage inconsistent with their obligations under the contract.
- 9a.6 The execution of the contract shall not give rise to unusual commercial expenses. Unusual commercial expenses are commissions not mentioned in the contract or not stemming from a properly concluded contract referring to the contract, commissions not paid in return for any actual and legitimate service, commissions remitted to a tax haven, commissions paid to a recipient who is not clearly identified or commission paid to a company which has every appearance of being a front company. The AICS Khartoum may carry out documentary or on-the-spot checks it deems necessary to find evidence in case of suspected unusual commercial expenses.

The respect of the code of conduct set out in the present Article constitutes a contractual obligation. Failure to comply with the code of conduct is always deemed to be a breach of the contract under Article 35 of the General Conditions. In addition, failure to comply with the provision set out in the present Article can be qualified as grave professional misconduct that may lead either to suspension or termination of the contract, without prejudice to the application of administrative sanctions including exclusion from participation in future contract award procedures.

# Article 9b Conflict of interest

9.b.1 The contractor shall take all necessary measures to prevent or end any situation that could compromise the impartial and objective performance of the contract. Such conflict of interests could arise in particular as a result of economic interest, political or national affinity, family or emotional ties, or any other relevant connection or shared interest. Any conflict of interests which may arise during performance of the contract shall be notified to the contracting authority without delay. In the event of such conflict, the contractor shall immediately take all necessary steps to resolve it.

- 9.b.2 The contracting authority reserves the right to verify that such measures are adequate and may require additional measures to be taken if necessary. The contractor shall ensure that its staff, including its management, is not placed in a situation which could give rise to conflict of interests. Without prejudice to its obligation under the contract, the contractor shall replace, immediately and without compensation from the contracting authority, any member of its staff exposed to such a situation.
- 9.b.3 The contractor shall refrain from any contact which would compromise its independence or that of its personnel.
- 9.b.4 The contractor shall limit its role in connection with the project to the provision of the supplies described in the contract.
- 9.b.5 The contractor and anyone working under its authority or control in the performance of the contract or on any other activity may be excluded from access to other EU budget/EDF funds available under the same project. However, if the contractor is able to prove that his involvement in previous stage of the project does not constitute unfair competition, he may participate, subject to prior approvail of the contracting authority.

### Article 10 - Origin

- 10.1. All goods shall have their origin in any eligible source country as defined in the instructions to tenderers and the special conditions.
- 10.2. The contractor must certify that the goods tendered comply with this requirement, specifying their countries of origin. It may be required to provide more detailed information in this respect.
- 10.3. The contractor shall document the origin at the time of provisional acceptance. Failure to comply with this obligation may lead, after formal notice, to termination of the contract and/or suspension of payment.

### **Article 11 - Performance guarantee**

- 11.1. The contractor shall, together with the return of the countersigned contract, furnish to the contracting authority with a guarantee for the full and proper execution of the contract. The amount of the guarantee shall be as specified in the special conditions. It shall be in the range of 5 and 10% of the total contract price, including any amounts stipulated in addenda to the contract.
- 11.2. The performance guarantee shall be held against payment to the contracting authority for any loss resulting from the contractor's failure to perform its contractual obligations under the contract.
- 11.3. The performance guarantee shall be in the format provided for in the contract and may be provided in the form of a bank guarantee, a banker's draft, a certified cheque, a bond provided by an insurance and/or bonding company, an irrevocable letter of credit or a cash deposit made with the contracting authority. If the performance guarantee is to be provided in the form of a bank guarantee, a banker's draft, a certified cheque or a bond, it shall be issued by a bank or bonding and/or insurance company approved by the contracting authority.
- 11.4. The performance guarantee shall be denominated in the currency in which the contract is payable. No payments shall be made in favour of the contractor prior to the provision of

the guarantee. The guarantee shall continue to remain valid until the contract has been fully and properly performed.

- 11.5. During the execution of the contract, if the natural or legal person providing the guarantee (i) is not able or willing to abide by its commitments, (ii) is not authorised to issue guarantees to contracting authorities, or (iii) appears not to be financially reliable, the guarantee shall be replaced. The contracting authority shall give formal notice to the contractor to provide a new guarantee on the same terms as the previous one. Should the contractor fail to provide a new guarantee, the contracting authority may terminate the contract.
- 11.6. The contracting authority shall demand payment from the guarantee of all sums for which the guarantor is liable under the guarantee due to the contractor's default under the contract, in accordance with the terms of the guarantee and up to the value thereof. The guarantor shall, without delay, pay those sums upon demand from the contracting authority and may not raise any objection for any reason whatsoever. Prior to making any claim under the performance guarantee, the contracting authority shall notify the contractor stating the nature of the default in respect of which the claim is to be made.
- 11.7. Unless the special conditions provide otherwise, the performance guarantee shall be released within 60 days of the issuing of the signed final acceptance certificate for its total amount except for amounts which are the subject of amicable settlement, arbitration or litigation.

#### Article 12 - Liabilities and insurance

#### 12.1. Liabilities

The liability rules described below are without prejudice to the possible application of international conventions on the carriage of goods.

### a) Liability for damage to supplies

Without prejudice to Article 32 (warranty obligations) and Article 38 (force majeure), the contractor shall assume (i) full responsibility for maintaining the integrity of the supplies and (ii) the risk of loss and damage, whatever their cause, until the final acceptance as foreseen in Article 34.

Compensation for damage to the supplies resulting from the contractor's liability in respect of the contracting authority is capped at an amount equal to one million euros if the contract value is less than or equal to one million euros. If the contract value is greater than one million euros, compensation for damages resulting from the contractor's liability shall be capped to the contract value.

However, compensation for loss or damage resulting from fraud or gross negligence of the contractor, its staff, its subcontractors and any person for which the contractor is answerable, can in no case be capped.

# b) Contractor's liability in respect of the contracting authority

At any time, the contractor shall be responsible for and shall indemnify the contracting authority for any damage caused to the contracting authority by the contractor, its staff, its subcontractors and any person for which the contractor is answerable.

Compensation for damage resulting from the contractor's liability in respect of the contracting authority is capped at an amount equal to one million euros if the contract value is less than or equal to one million euros. If the contract value is greater than one million euros, compensation for damages resulting from the contractor's liability shall be capped to the contract value.

However, compensation for loss or damage resulting from the contractor's liability in case of bodily injury, including death, can in no case be capped. The same applies to compensation for any damages of any kind resulting from fraud or gross negligence of the contractor, its staff, its subcontractors and any person for which the contractor is answerable.

### c) Contractor's liability in respect of third parties

The contractor shall, at its own expense, indemnify, protect and defend, the contracting authority, its agents and employees, from and against all actions, claims, losses or damage, direct or indirect, of whatever nature (hereinafter 'claim(s)') arising from any act or omission by the contractor, its staff, its subcontractors and/or any person for which the contractor is answerable, in the performance of its duties.

The contracting authority must notify any third party claim to the contractor as soon as possible after the contracting authority becomes aware of them.

If the contracting authority chooses to challenge and defend itself against the claim(s), the contractor shall bear the reasonable costs of defence incurred by the contracting authority, its agents and employees.

Under these general conditions, the agents and employees of the contracting authority, as well as the contractor's staff, its subcontractors and any person for which the contractor is answerable are considered to be third parties.

The contractor shall treat all claims in close consultation with the contracting authority

Any settlement or agreement settling a claim requires the prior express consent of the contracting authority and the contractor.

# 12.2. Insurance

#### a) Insurance – general issues

At the latest together with the return of the countersigned contract, and for the period of implementation of the tasks, the contractor shall ensure that itself, its staff, its subcontractors and any person for which the contractor is answerable, are adequately insured with insurance companies recognized on the international insurance market, unless the contracting authority has given its express written consent on a specific insurance company.

At the latest together with the return of the countersigned contract, the contractor shall provide the contracting authority with all cover notes and/or certificates of insurance showing that the contractor's obligations relating to insurance are fully respected. The contractor shall submit without delay, whenever the contracting authority or the project manager so requests, an updated version of the cover notes and/or certificates of insurance.

The contractor shall obtain from the insurers that they commit to personally and directly inform the contracting authority of any event likely to reduce, cancel or alter in any

manner whatsoever, that coverage. The insurers shall deliver this information as quickly as possible, and in any event at least thirty (30) days before the reduction, cancellation or alteration of the cover is effective. The contracting authority reserves the right to indemnify the insurer in case the contractor fails to pay the premium, without prejudice to the contracting authority's right to recover the amount of the premium it paid, and to subsequently seek compensation for its possible resulting damage.

Whenever possible, the contractor shall ensure that the subscribed insurance contracts contain a waiver of recourse in favour of the contracting authority, its agents and employees.

The purchase of adequate insurances by the contractor shall in no case exempt it from its statutory and/or contractual liabilities.

The contractor shall fully bear the consequences of a total or partial lack of coverage, and to the full discharge of the contracting authority.

The contractor shall ensure that its staff, its subcontractors and any person for which the contractor is answerable comply with the same insurance requirements imposed to it under this contract. In case of default of insurance or inadequate insurance of its staff, its subcontractors or any person for which the contractor is answerable, the contractor shall indemnify the contracting authority from all consequences resulting therefrom.

Under its own responsibility and without prejudice to the obligation to take out all insurance covering its obligations under this contract, the contractor shall ensure that all compulsory insurances are subscribed in compliance with the laws and regulations in force in the country in which the duties are to be performed. It shall also ensure that all possible statutory obligations applying to the coverage are complied with.

The contracting authority shall not bear any liability for the assessment and adequacy of insurance policies taken out by the contractor with its contractual and/or statutory obligations.

#### b) Insurance - Specific issues

The contractor shall take out all insurance necessary to cover its liability, both with regard to its professional liability and its liability as provided under Article 12.1 'Liabilities'. The contractor shall in particular subscribe a products and after delivery insurance.

Depending on the nature of the contractor's obligations, the contracting authority may require that the carriage of supplies be covered by a 'transportation' insurance policy; the conditions of which may be specified in the special conditions, which may also specify other types of insurance to be taken out by the contractor. This insurance shall in particular cover the loading, intermediate storage, unloading, including stowage and protection, if such operations are included in the contract.

# Article 13 - Programme of implementation of the tasks

- 13.1. If the special conditions so require, the contractor shall submit a programme of implementation of the tasks for the approval of the project manager. The programme shall contain at least the following:
  - a) the order in which the contractor proposes to perform the contract including design, manufacture, delivery to place of receipt, installation, testing and commissioning;
  - b) the time limits within which submission and approval of the drawings are required;

- c) a general description of the methods which the contractor proposes to adopt for executing the contract; and
- d) such further details and information as the project manager may reasonably require.
- 13.2. The special conditions shall specify the time limit within which the programme of implementation of the tasks must be submitted to the project manager for approval. They may set time limits within which the contractor must submit all or part of the detailed drawings, documents and items. They shall also state the deadline for the project manager's approval or acceptance of the programme of implementation, detailed drawings, documents and items.
- 13.3. The approval of the programme by the project manager shall not relieve the contractor of any of its obligations under the contract.
- 13.4. No material alteration to the programme shall be made without the approval of the project manager. If, however, the progress of the implementation of the tasks does not conform to the programme, the project manager may instruct the contractor to submit a revised programme in accordance with the procedure laid down in Article 13.

### Article 14 - Contractor's drawings

- 14.1. If the special conditions so provide, the contractor shall submit to the project manager for approval:
  - a) the drawings, documents, samples and/or models, according to the time limits and procedures laid down in the special conditions or in the programme of implementation of the tasks:
  - b) such drawings as the project manager may reasonably require for the implementation of the tasks.
- 14.2. If the project manager fails to notify its decision of approval referred to in Article 14.1 within the time limits referred to in the contract or the approved programme of implementation of the tasks, such drawings, documents, samples or models shall be deemed to be approved at the end of the time limits specified. If no time limit is specified, they shall be deemed to be approved 30 days after receipt.
- 14.3. Approved drawings, documents, samples and models shall be signed or otherwise identified by the project manager and shall not be departed from except as otherwise instructed by the project manager. Any contractor's drawings, documents, samples or models which the project manager refuses to approve shall be modified to meet the requirements of the project manager and resubmitted by the contractor for approval. Within 15 days of being notified of the project manager's remarks, the contractor shall make the requisite corrections, adjustments etc. to the documents, drawings etc. The corrected or adjusted documents, drawings etc. shall be resubmitted for the project manager's approval under the same procedure.
- 14.4. The contractor shall supply additional copies of approved drawings in the form and numbers stated in the contract or in subsequent administrative orders.
- 14.5. The approval of the drawings, documents, samples or models by the project manager shall not relieve the contractor from any of its obligations under the contract.
- 14.6. The project manager shall have the right at all reasonable times to inspect all drawings, documents, samples or models relating to the contract at the contractor's premises.

14.7. Before provisional acceptance of the supplies, the contractor shall supply operation and maintenance manuals together with drawings, which shall be in such detail as will enable the contracting authority to operate, maintain, adjust and repair all parts of the supplies. Unless otherwise stated in the special conditions, the manuals and drawings shall be in the language of the contract and in such forms and numbers as stated in the contract. The supplies shall not be considered completed for the purpose of provisional acceptance until such manuals and drawings have been supplied to the contracting authority.

### Article 15 - Sufficiency of tender prices

- 15.1. Subject to any additional provisions which may be laid down in the special conditions, the contractor shall be deemed to have satisfied itself before submitting its tender as to the correctness and sufficiency of the tender and to have taken account of all that is required for the full and proper implementation of the tasks and to have included in its rates and prices all costs related to the supplies, in particular:
  - a) the costs of transport;
  - b) the costs of handling, packing, loading, unloading, transit, delivery, unpacking, checking, insurance and other administrative costs in connection with the supplies. The packaging shall be the property of the contracting authority unless otherwise provided in the special conditions;
  - c) the cost of documents relating to the supplies where such documents are required by the contracting authority;
  - d) execution and supervision of on-site assembly and/or commissioning of the delivered supplies;
  - e) furnishing of tools required for assembly and/or maintenance of the delivered supplies;
  - f) furnishing of detailed operation and maintenance manuals for each unit of the delivered supplies, as specified in the contract;
  - g) supervision or maintenance and/or repair of the supplies, for a period of time stated in the contract, with the stipulation that this service shall not release the contractor from any warranty obligations under the contract;
  - h) training of the contracting authority's personnel, at the contractor's factory and/or elsewhere as specified in the contract.
- 15.2. Since the contractor is deemed to have determined its prices on the basis of its own calculations, operations and estimates, it shall carry out without additional charge any work that is the subject of any item whatsoever in its tender for which it neither indicates a unit price nor a lump sum.

# Article 16 - Tax and customs arrangements

16.1. Save where otherwise provided in the special conditions, the terms of delivery of the goods shall be DDP (Delivered Duty Paid) – Incoterms 2010, International Chamber of Commerce.

#### Article 17 - Patents and licences

17.1. Save where otherwise provided in the special conditions, the contractor shall indemnify and hold the contracting authority harmless for all damages and cost incurred due to any

claim brought by any third party including creators and intermediaries for alleged or actual violations of intellectual, industrial or other property rights of any kind whatsoever based on the contracting authority's use as specified in the contract of patents, licenses, drawings, designs, models, or brand or trademarks, except where such infringement results from compliance with the design or specification provided by the contracting authority.

17.2. All industrial, intellectual and other property rights (including but not limited to patent rights and copyright) developed in connection with the tasks by or on behalf of the contractor, including but not limited to any rights in any documents prepared for the purpose of the contract or the tasks, shall remain vested in the contractor but the contracting authority shall have an irrevocable, royalty-free, non-exclusive licence of the above-mentioned rights for the purpose of the contract.

Such licence shall carry the right to grant sub-licences and shall be transferable by the contracting authority to third parties without the consent of the contractor being required.

All industrial, intellectual and other property rights (including but not limited to patent rights and copyright) developed in connection with the tasks by or on behalf of the contracting authority, including but not limited to any rights in any documents prepared for the purpose of the contract or the tasks, shall remain vested in the contracting authority but the contractor shall have the right at its cost to copy, use and obtain communication of these documents for the purpose of the contract.

Upon and notwithstanding any termination of the contract howsoever arising, as well as after completion of the tasks, the contracting authority shall continue to have the benefit of the licence referred to in Article 17.2, first paragraph.

### IMPLEMENTATION OF THE TASKS AND DELAYS

### Article 18 - Commencement order

- 18.1. Subject to the special conditions, the contracting authority shall fix the date on which implementation of the tasks is to commence and advise the contractor thereof either in the notification of award of the contract or by administrative order.
- 18.2. Save where the parties agree otherwise, implementation of the tasks shall begin no later than 90 days following notification of award of contract. Unless this delay results from the contractor default, after that date the contractor shall be entitled not to implement the contract and to obtain its termination and/or compensation for the damage it has suffered. The contractor shall forfeit this right unless it exercises it within 30 days of the expiry of the 90-day period.

# Article 19 - Period of implementation of the tasks

- 19.1. The period of implementation of tasks shall commence on the date fixed in accordance with Article 18 and shall be as laid down in the special conditions, without prejudice to extensions of the period which may be granted under Article 20.
- 19.2. If provision is made for distinct periods of implementation of the tasks for separate lots, in cases where one contractor is awarded more than one lot per contract, the periods of implementation of the tasks for the separate lots shall not be accumulated.

# Article 20 - Extension of period of implementation of the tasks

- 20.1. The contractor may request an extension to the period of implementation of the tasks if it is or will be delayed in completing the contract by any of the following reasons:
  - a) exceptional weather conditions in the country of the contracting authority which may affect installation or erection of the supplies;
  - b) artificial obstructions or physical conditions which may affect delivery of the supplies, which could not reasonably have been foreseen by an experienced contractor;
  - c) administrative orders affecting the date of completion other than those arising from the contractor's default;
  - d) failure of the contracting authority to fulfil its obligations under the contract;
  - e) any suspension of the delivery and/or installation of the supplies which is not due to the contractor's default;
  - f) force majeure;
  - g) extra or additional supplies ordered by the contracting authority;
  - h) any other causes referred to in these general conditions which are not due to the contractor's default.
- 20.2. If the contractor considers himself to be entitled to any extension of the period of implementation under the contract, the contractor shall
  - a) give notice to the project manager of its intention to make such a request no later than 15 days after the contractor became aware, or should have become aware of the event or circumstance giving rise to the request.
  - b) If the contractor fails to give notice of a request for extension of the period of implementation within such period of 15 days, the period of implementation shall not be extended and the contracting authority shall be discharged from all liability in connection with the request; and
  - c) submit to the project manager full and detailed particulars of the request, within 30 days from the above notification unless otherwise agreed between the contractor and the supervisor, in order that such request may be investigated at the time.
- 20.3. Within 30 days from the receipt of the contractor's detailed particulars of the request, the project manager shall in agreement with the contracting authority, by notice to the contractor, grant such extension of the period of implementation of the tasks as may be justified, either prospectively or retrospectively, or inform the contractor that it is not entitled to an extension.

### Article 21 - Delays in implementation of the tasks

21.1. If the contractor fails to deliver any or all of the goods or perform the services within the period of implementation of the tasks specified in the contract, the contracting authority shall, without formal notice and without prejudice to its other remedies under the contract, be entitled to liquidated damages for every day, or part thereof, which shall elapse between the end of the period of implementation of the tasks, or extended period of implementation of the tasks under article 20, and the actual date of completion. The daily rate of liquidated damages is 5/1000 of the value of the undelivered supplies to a maximum of 15% of the total contract price.

- 21.2. If the non-delivery of any of the goods prevents the normal use of the supplies as a whole, the liquidated damages provided for in Article 21.1 shall be calculated on the basis of the total contract price.
- 21.3. If the contracting authority has become entitled to claim at least 15% of the total contract price it may, after giving notice to the contractor:
  - seize the performance guarantee; and/or
  - terminate the contract,
  - enter into a contract with a third party for the provision of the balance of the supplies at the contractor's cost.

#### Article 22 - Amendments

- 22.1. Contract amendments must be formalised by a contract addendum signed by both parties or by an administrative order issued by the project manager or the contracting authority. Substantial amendments to the contract, including amendments to the total contract price, must be made by means of an addendum. Any contractual amendments must respect the general principles defined in the practical guide.
- 22.2. Subject to the limits of the procedure thresholds set in the practical guide, the contracting authority reserves the right to vary by an administrative order the quantities per lot or per item by +/- 100 % at the time of contracting and during the validity of the contract. The total value of the supplies may not rise or fall as a result of the variation by more than 25% of the tender price. The unit prices quoted in the tender shall be applicable to the quantities procured under the variation.
- 22.3. The project manager and the contracting authority shall have the power to order any amendment to any part of the supplies necessary for the proper completion and/or functioning of the supplies. Such amendments by administrative order may include additions, omissions, substitutions, changes in quality, quantity, form, character, kind, as well as in drawings, designs or specifications where the supplies are to be specifically manufactured for the contracting authority, in method of shipment or packing, place of delivery, and in the specified sequence, method or timing of implementation of the tasks. No administrative order shall have the effect of invalidating the contract, but the financial effect, if any, of all such amendments shall be valued in accordance with Article 22.7.
- 22.4. All administrative orders shall be issued in writing, it being understood that:
  - a) if, for any reason, the project manager or the contracting authority finds it necessary to give an order orally, it shall as soon as possible thereafter confirm the order by an administrative order:
  - b) if the contractor confirms in writing an oral order given for the purpose of Article 22.4.a and the confirmation is not contradicted in writing forthwith by the project manager or the contracting authority, the project manager or the contracting authority shall be deemed to have issued an administrative order;
  - c) no administrative order is required to increase or decrease the quantity of any incidental siting or installation because the estimates in the budget breakdown were too high or too low.
- 22.5. Save where Article 22.4 provides otherwise, prior to issuing an administrative order, the project manager or the contracting authority shall notify the contractor of the nature and form of such amendment. The contractor shall then, without delay, submit to the project manager a written proposal containing:

- a description of the tasks, if any, to be performed or the measures to be taken and a programme of implementation of the tasks;
- any necessary amendments to the programme of implementation of the tasks or to any of the contractor's obligations resulting from this contract; and
- any adjustment to the total contract price in accordance with the rules set out in Article 22.
- 22.6. Following the receipt of the contractor's submission referred to in Article 22.5, the project manager shall, after due consultation with the contracting authority and, where appropriate, the contractor, decide without delay whether or not to accept the amendment. If the project manager accepts the amendment, it shall notify the contractor through an administrative order stating that the contractor shall carry out the amendment at the prices and under the conditions given in the contractor's submission referred to in Article 22.5 or as modified by the project manager in accordance with Article 22.7.
- 22.7. The prices for all amendments ordered by the project manager or the contracting authority in accordance with Articles 22.4 and 22.6 shall be ascertained in accordance with the following principles:
  - where the task is of similar character and implemented under similar conditions as an item priced in the budget breakdown, it shall be valued at such rates and prices contained therein;
  - where the task is not of a similar character or is not implemented under similar conditions, the rates and prices in the contract shall be used as the basis for valuation as far as is reasonable, failing which the project manager shall make a fair valuation;
  - if the nature or amount of any amendment relative to the nature or amount of the whole contract or to any part thereof is such that, in the opinion of the project manager, any rate or price contained in the contract for any item of work is, by reason of such amendment, rendered unreasonable, the project manager shall fix such rate or price as he thinks reasonable and proper in the circumstances;
  - where an amendment is required by a default or breach of contract by the contractor, any additional cost attributable to such amendment shall be borne by the contractor.
- 22.8. On receipt of the administrative order, the contractor shall carry out the requested amendment according to the following principles:
  - a) The contractor shall be bound by these general conditions as if the amendment requested by administrative order were stated in the contract.
  - b) The contractor shall not delay the execution of the administrative order pending the granting of any extension of time for completion or adjustment to the total contract price.
  - c) Where the administrative order precedes the adjustment to the total contract price, the contractor shall keep records of the costs of undertaking the amendment and of the time expended thereon. Such records shall be open to inspection by the project manager at all reasonable times.
- 22.9. The contractor shall notify the contracting authority of any change of bank account, using the form in Annex V. The contracting authority shall have the right to oppose the contractor's change of bank account.

### Article 23 - Suspension

- 23.1. The contractor shall, on the order of the contracting authority, suspend the execution of the contract or any part thereof for such time or times and in such manner as the contracting authority may consider necessary. The suspension shall take effect on the day the contractor receives the order or at a later date when the order so provides.
- 23.2. Suspension in the event of presumed breach of obligations or irregularities or fraud:

The contract may be suspended in order to verify whether presumed breach of obligations or irregularities or fraud occurred during the award procedure or the performance of the contract. If these are not confirmed, performance of the contract shall resume as soon as possible.

- 23.3. During the period of suspension, the contractor shall protect and secure the supplies affected at the contractor's warehouse or elsewhere, against any deterioration, loss or damage to the extent possible and as instructed by the project manager, even if supplies have been delivered to the place of acceptance in accordance with the contract but their installation has been suspended by the project manager.
- 23.4. Additional expenses incurred in connection with such protective measures may be added to the total contract price, unless:
  - a) otherwise provided for in the contract; or
  - b) such suspension is necessary by reason of some breach or default of the contractor; or
  - c) such suspension is necessary by reason of normal climatic conditions at the place of acceptance; or
  - d) such suspension is necessary for the safety or the proper execution of the contract or any part thereof insofar as such necessity does not arise from any act or default by the project manager or the contracting authority or
  - e) the presumed breach of obligations or irregularities or fraud mentioned in article 23.2 are confirmed and attributable to the contractor.
- 23.5. The contractor shall only be entitled to such additions to the total contract price if it notifies the project manager, within 30 days after receipt of the order to suspend the contract, of its intention to claim them.
- 23.6. The contracting authority, after consulting the contractor, shall determine such additions to the total contract price and/or extension of the period of performance to be granted to the contractor in respect of such claim as shall, in the opinion of the contracting authority, be fair and reasonable.
- 23.7. The contracting authority shall, as soon as possible, order the contractor to resume the contract suspended or inform the contractor that it terminates the contract. If the period of suspension exceeds 180 days and the suspension is not due to the contractor's breach or default, the contractor may, by notice to the contracting authority, request to proceed with the contract within 30 days, or terminate the contract.

### MATERIALS AND WORKMANSHIP

### **Article 24 - Quality of supplies**

- 24.1. The supplies must in all respects satisfy the technical specifications laid down in the contract and conform in all respects to the drawings, surveys, models, samples, patterns and other requirements in the contract, which shall be held at the disposal of the contracting authority or the project manager for the purposes of identification throughout the period of execution.
- 24.2. Any preliminary technical acceptance stipulated in the special conditions shall be the subject of a request sent by the contractor to the project manager. The request shall indicate the reference to the contract, specify the materials, items and samples submitted for such acceptance according to the contract and indicate the lot number and the place where acceptance is to take place, as appropriate. The materials, items and samples specified in the request must be certified by the project manager as meeting the requirements for such acceptance prior to their incorporation in the supplies.
- 24.3. Even if materials or items to be incorporated in the supplies or in the manufacture of components to be supplied have been technically accepted in this way, they may still be rejected if a further examination reveals defects or faults, in which case they must immediately be replaced by the contractor. The contractor may be given the opportunity to repair and make good materials and items which have been rejected, but such materials and items will be accepted for incorporation in the supplies only if they have been repaired and made good to the satisfaction of the project manager.

### Article 25 - Inspection and testing

- 25.1. The contractor shall ensure that the supplies are delivered to the place of acceptance in time to allow the project manager to proceed with acceptance of the supplies. The contractor is deemed to have fully appreciated the difficulties which it might encounter in this respect, and it shall not be permitted to advance any grounds for delay in fulfilling its obligations.
- 25.2. The project manager shall be entitled to inspect, examine measure and test the components, materials and workmanship, and check the progress of preparation, fabrication or manufacture of anything being prepared, fabricated or manufactured for delivery under the contract, in order to establish whether the components, materials and workmanship are of the requisite quality and quantity. This shall take place at the place of manufacture, fabrication, preparation or at the place of acceptance or at such other places as may be specified in the special conditions.
- 25.3. For the purposes of such tests and inspections, the contractor shall:
  - a) provide the project manager, temporarily and free of charge, with such assistance, test samples or parts, machines, equipment, tools, labour, materials, drawings and production data as are normally required for inspection and testing;
  - b) agree, with the project manager, on the time and place for tests;
  - c) provide access to the project manager at all reasonable times to the place where the tests are to be carried out.

- 25.4. If the project manager is not present on the date agreed for tests, the contractor may, unless otherwise instructed by the project manager, proceed with the tests, which shall be deemed to have been made in the project manager's presence. The contractor shall immediately send duly certified copies of the test results to the project manager, who shall, if it has not attended the test, be bound by the test results.
- 25.5. When components and materials have passed the above-mentioned tests, the project manager shall notify the contractor or endorse the contractor's certificate to that effect.
- 25.6. If the project manager and the contractor disagree on the test results, each shall give a statement of its views to the other within 15 days of such disagreement arises. The project manager or the contractor may require such tests to be repeated on the same terms and conditions or, if either party so requests, by an expert selected by common consent. All test reports shall be submitted to the project manager, who shall communicate the results of these tests without delay to the contractor. The results of retesting shall be conclusive. The cost of retesting shall be borne by the party whose views are proved wrong by the retesting.
- 25.7. In the performance of their duties, the project manager and any person authorised by him shall not disclose to unauthorised persons information concerning the undertaking's methods of manufacture and operation obtained through inspection and testing.

### **PAYMENTS**

# **Article 26 - General principles**

- 26.1. Payments shall be made in euro or national currency as specified in the special conditions. The special conditions shall lay down the administrative or technical conditions governing payments of pre-financing and final payments made in accordance with the general conditions.
- 26.2. Payments due by the contracting authority shall be made to the bank account mentioned on the financial identification form completed by the contractor. The same form, annexed to the invoice, must be used to report changes of bank account.
- 26.3. Pre-financing payment shall be made within 30 days from the date on which an admissible invoice is registered by the contracting authority. The invoice shall not be admissible if one or more essential requirements are not met. Final payment shall be made within 60 days from the date on which an invoice is registered by the contracting authority, together with the request for provisional acceptance as per article 31.2. The date of payment shall be the date on which the paying account is debited.
- 26.4. The period referred to in article 26.3 may be suspended by notifying the contractor that the invoice cannot be fulfilled because the sum is not due, because appropriate substantiating documents have not been provided or because there is evidence that the expenditure might not be eligible. In the latter case, an inspection may be carried out on the spot for the purpose of further checks. The contractor shall provide clarifications, modifications or further information within 30 days of being asked to do so. The payment period shall continue to run from the date on which a properly drawn-up invoice is registered.

- 26.5. The payments shall be made as follows:
  - a) 40% of the total contract price after the signing of the contract, against provision of the performance guarantee and of a pre-financing guarantee for the full amount of the pre-financing payment, unless otherwise provided for in the special conditions. The pre-financing guarantee shall be provided to the contracting authority following the procedure foreseen for the performance guarantee in accordance with Article 11.3-5, and in accordance with the format annexed to the contract. The pre-financing guarantee must remain valid until it is released 30 days at the latest after the provisional acceptance of the goods. Where the contractor is a public body, the obligation for a pre-financing guarantee may be waived depending on a risk assessment made;
  - b) 60% of the total contract price, as payment of the balance, after receipt by the contracting authority of an invoice and of the application for the certificate of provisional acceptance;
- 26.6. Where only part of the supplies has been delivered, the 60% payment due following partial provisional acceptance shall be calculated on the value of the supplies which have actually been accepted and the security shall be released accordingly.
- 26.7. For supplies not covered by a warranty period, the payments listed above shall be aggregated. The conditions to which the payments of pre-financing and final payments are subject, shall be as stated in the special conditions.
- 26.8. The payment obligations of the AICS Khartoum under this contract shall cease at most 18 months after the end of the period of implementation of the tasks, unless the contract is terminated in accordance with these general conditions.
- 26.9. Unless otherwise stipulated in the special conditions, the contract shall be at fixed prices, which shall not be revised.
- 26.10. The contractor undertakes to repay any amounts paid in excess of the final amount due to the contracting authority before the deadline indicated in the debit note which is 45 days from the issuing of that note. Should the contractor fail to make repayment within the above deadline, the contracting authority may (unless the contractor is a government department or public body of a Member State of the European Union) increase the amounts due by adding interest:
  - at the rediscount rate applied by the central bank of the country of the contracting authority if payments are in the currency of that country;
  - at the rate applied by the European Central Bank to its main refinancing transactions in euro, as published in the Official Journal of the European Union, C series, where payments are in euro,

on the first day of the month in which the time-limit expired, plus eight percentage points. The default interest shall be incurred over the time which elapses between the date of the payment deadline, and the date on which payment is actually made. Any partial payments shall first cover the interest thus established.

Amounts to be repaid to the contracting authority may be offset against amounts of any kind due to the contractor. This shall not affect the parties' right to agree on payment in instalments. Bank charges arising from the repayment of amounts due to the contracting authority shall be borne entirely by the contractor.

- Without prejudice to the prerogative of the contracting authority, if necessary, the AICS Khartoum may as donor proceed itself to the recovery by any means.
- 26.11. If the contract is terminated for any reason whatsoever, the guarantee securing the prefinancing may be invoked forthwith in order to repay the balance of the pre-financing still owed by the contractor, and the guarantor shall not delay payment or raise objection for any reason whatever.
- 26.12. Prior to, or instead of, terminating the contract as provided for in Article 36, the contracting authority may suspend payments as a precautionary measure without prior notice.
- 26.13. Where the award procedure or the performance of the contract proves to have been subject to breach of obligations, irregularities or fraud attributable to the contractor, the contracting authority may in addition to the possibility to suspend the performance of the contract in accordance with Article 23.2 and to terminate the contract as provided for in Article 36, suspend payments and/or recover amounts already paid, in proportion to the seriousness of the breach of obligations, irregularities or fraud. In addition to measures referred above, the contracting authority may reduce the contract value in proportion to the seriousness of the irregularities, fraud or of the breach of obligations, including where the activities concerned were not implemented or were implemented poorly, partially or late.

# Article 27 - Payment to third parties

- 27.1. Orders for payments to third parties may be carried out only after an assignment made in accordance with Article 5. The assignment shall be notified to the contracting authority.
- 27.2. Notification of beneficiaries of the assignment shall be the sole responsibility of the contractor.
- 27.3. In the event of a legally binding attachment of the property of the contractor affecting payments due to him under the contract, and without prejudice to the time limit laid down in Article 26, the contracting authority shall have 30 days, starting from the day on which it receives notification of the definitive lifting of the obstacle to payment, to resume payments to the contractor.

### Article 28 - Delayed payments

- 28.1. The contracting authority shall pay the contractor sums due in accordance with Article 26.3.
- 28.2. Once the time-limit referred to in Article 26.3 has expired, the contractor unless the contractor is a government department or public body in European Union Member Stateshall, within two months of receipt of the late payment, receive default interest:
  - at the rediscount rate applied by the central bank of the partner country if payments are in the currency of that country;
  - at the rate applied by the European Central Bank to its main refinancing transactions in euro, as published in the Official Journal of the European Union, C series, if payments are in euro,

on the first day of the month in which the time-limit expired, plus eight percentage points. The interest shall be payable for the time elapsed between the expiry of the payment

deadline and the date on which the contracting authority's account is debited. However, when the interest calculated in accordance with the first subparagraph is lower than or equal to EUR 200, it shall be paid to the creditor only upon a demand submitted within two months of receiving late payment.

28.3. Any default in payment of more than 90 days from the expiry of the period laid down in Article 26.3 shall entitle the contractor either not to perform the contract or to terminate it, according to Article 37.

# ACCEPTANCE AND MAINTENANCE

# Article 29 - Delivery

- 29.1. The contractor shall deliver the supplies in accordance with the conditions of the contract. The supplies shall be at the risk of the contractor until their final acceptance.
- 29.2. The contractor shall provide such packaging of supplies as is required to prevent their damage or deterioration in transit to their destination as indicated in the contract. The packaging shall be sufficient to withstand, without limitation, rough handling, exposure to extreme temperatures, salt and precipitation during transit and open storage. Package size and weight shall take into consideration, where appropriate, the remoteness of the final destination of the supplies, and the possible absence of heavy handling facilities at all points in transit.
- 29.3. The packaging, marking and documentation inside and outside the packages shall comply with such requirements as shall be expressly provided for in the special conditions, subject to any amendments subsequently ordered by the project manager or the contracting authority.
- 29.4. No supplies shall be shipped or delivered to the place of acceptance until the contractor has received a delivery order from the project manager. The contractor shall be responsible for the delivery at the place of acceptance of all supplies and supplier's equipment required for the purpose of the contract.
- 29.5. Each delivery must be accompanied by a statement drawn up by the contractor. This statement shall be as specified in the special conditions.
- 29.6. Each package shall be clearly marked in accordance with the special conditions.
- 29.7. Delivery shall be deemed to have been made when there is written evidence available to both parties that delivery of the supplies has taken place in accordance with the terms of the contract, and the invoice(s) and all such other documentation specified in the special conditions, have been submitted to the contracting authority. Where the supplies are delivered to an establishment of the contracting authority, the latter shall bear the responsibility of bailee, in accordance with the requirements of the law applicable to the contract, during the time which elapses between delivery for storage and acceptance.

# **Article 30 - Verification operations**

30.1. The supplies shall not be accepted until the prescribed verifications and tests have been carried out at the expense of the contractor. The verifications and tests may be conducted before shipment, at the point of delivery and/or at the final destination of the goods.

- 30.2. The project manager shall, during the progress of the delivery of the supplies and before the supplies are taken over, have the power to order or decide:
  - a) the removal from the place of acceptance, within such time or times as may be specified in the order, of any supplies which, in the opinion of the project manager, are not in accordance with the contract;
  - b) their replacement with proper and suitable supplies;
  - c) the removal and proper re-installation, notwithstanding any previous test thereof or of any installation which in respect of materials, workmanship or design for which the contractor is responsible, is not, in the opinion of the project manager, in accordance with the contract:
  - d) that any work done or goods supplied or materials used by the contractor is or are not in accordance with the contract, or that the supplies or any portion thereof do not fulfil the requirements of the contract.
- 30.3. The contractor shall, with all speed and at its own expense, make good the defects so specified. If the contractor does not comply with such order, the contracting authority shall be entitled to employ other persons to carry out the orders and all expenses consequent thereon or incidental thereto shall be deducted by the contracting authority from any monies due or which may become due to the contractor.
- 30.4. Supplies which are not of the required quality shall be rejected. A special mark may be applied to the rejected supplies. This shall not be such as to alter them or affect their commercial value. Rejected supplies shall be removed by the contractor from the place of acceptance, if the project manager so requires, within a period which the project manager shall specify, failing which they shall be removed as of right at the expense and risk of the contractor. Any works incorporating rejected materials shall be rejected.
- 30.5. The provisions of Article 30 shall not affect the right of the contracting authority to claim under Article 21, nor shall it in any way release the contractor from any warranty or other obligations under the contract.

### Article 31 - Provisional acceptance

- 31.1. The supplies shall be taken over by the contracting authority when they have been delivered in accordance with the contract, have satisfactorily passed the required tests, or have been commissioned as the case may be, and a certificate of provisional acceptance has been issued or is deemed to have been issued.
- 31.2. The contractor may apply, by notice to the project manager, for a certificate of provisional acceptance when supplies are ready for provisional acceptance. The project manager shall within 30 days of receipt of the contractor's application either:
  - issue the certificate of provisional acceptance to the contractor with a copy to the
    contracting authority stating, where appropriate, his reservations, and, inter alia, the
    date on which, in his opinion, the supplies were completed in accordance with the
    contract and ready for provisional acceptance; or
  - reject the application, giving his reasons and specifying the action which, in his
    opinion, is required of the contractor for the certificate to be issued.

The contracting authority's time limit for issuing the certificate of provisional acceptance to the contractor shall be considered included in the time limit for payments indicated in Article 26.3, unless otherwise specified in the special conditions.

- 31.3. Should exceptional circumstances make it impossible to proceed with the acceptance of the supplies during the period fixed for provisional or final acceptance, a statement certifying such impossibility shall be drawn up by the project manager after consultation, where possible, with the contractor. The certificate of acceptance or rejection shall be drawn up within 30 days following the date on which such impossibility ceases to exist. The contractor shall not invoke these circumstances in order to avoid the obligation of presenting the supplies in a state suitable for acceptance.
- 31.4. If the project manager fails either to issue the certificate of provisional acceptance or to reject the supplies within the period of 30 days, it shall be deemed to have issued the certificate on the last day of that period, except where the certificate of provisional acceptance is deemed to constitute a certificate of final acceptance. In this case, Article 34.2 below does not apply. If the supplies are divided by the contract into lots, the contractor shall be entitled to apply for separate certificates for each of the lots.
- 31.5. In case of partial delivery, the contracting authority reserves the right to give partial provisional acceptance.
- 31.6. Upon provisional acceptance of the supplies, the contractor shall dismantle and remove temporary structures as well as materials no longer required for use in connection with the implementation of the contract. It shall also remove any litter or obstruction and redress any change in the condition of the place of acceptance as required by the contract.
- 31.7. Immediately after provisional acceptance, the contracting authority may make use of all the supplies delivered.

# **Article 32 - Warranty obligations**

- 32.1. The contractor shall warrant that the supplies are new, unused, of the most recent models and incorporate all recent improvements in design and materials, unless otherwise provided in the contract. The contractor shall further warrant that all supplies shall have no defect arising from design, materials or workmanship, except insofar as the design or materials are required by the specifications, or from any act or omission, that may develop under use of the supplies in the conditions obtaining in the country of the contracting authority.
- 32.2. The contractor shall be responsible for making good any defect in, or damage to, any part of the supplies which may appear or occur during the warranty period and which:
  - a) results from the use of defective materials, faulty workmanship or design of the contractor; and/or
  - b) results from any act or omission of the contractor during the warranty period;
  - c) appears in the course of an inspection made by, or on behalf of, the contracting authority.
- 32.3. The contractor shall at its own cost make good the defect or damage as soon as practicable. The warranty period for all items replaced or repaired shall recommence from the date when the replacement or repair was made to the satisfaction of the project manager. If the contract provides for partial acceptance, the warranty period shall be extended only for the part of the supplies affected by the replacement or repair.
- 32.4. If any such defect appears or such damage occurs during the warranty period, the contracting authority or the project manager shall notify the contractor. If the contractor

fails to remedy a defect or damage within the time limit stipulated in the notification, the contracting authority may:

- a) remedy the defect or the damage itself, or employ someone else to carry out the tasks at the contractor's risk and cost, in which case the costs incurred by the contracting authority shall be deducted from monies due to or from guarantees held against the contractor or from both; or
- b) terminate the contract.
- 32.5. In case of emergency, where the contractor cannot be reached immediately or, having been reached, is unable to take the measures required, the contracting authority or the project manager may have the tasks carried out at the expense of the contractor. The contracting authority or the project manager shall as soon as practicable inform the contractor of the action taken.
- 32.6. The warranty obligations shall be stipulated in the special conditions and technical specifications.
- 32.7. Save where otherwise provided in the special conditions, the duration of the warranty period shall be 365 days. The warranty period shall commence on the date of provisional acceptance and may recommence in accordance with Article 32.3.

#### Article 33 - After-sales service

- 33.1. An after-sales service, if required by the contract, shall be provided in accordance with the details stipulated in the special conditions. The contractor shall undertake to carry out or have carried out the maintenance and repair of supplies and to provide a rapid supply of spare parts. The special conditions may specify that the contractor must provide any or all of the following materials, notifications and documents pertaining to spare parts manufactured or distributed by the contractor:
  - a) such spare parts as the contracting authority may choose to purchase from the contractor, it being understood that this choice shall not release the contractor from any warranty obligations under the contract;
  - b) in the event of termination of production of the spare parts, advance notification to the contracting authority to allow it to procure the parts required and, following such termination, provision at no cost to the contracting authority of the blueprints, drawings and specifications of the spare parts, if and when requested.

### Article 34 - Final acceptance

- 34.1. Upon expiry of the warranty period, or where there is more than one such period, upon expiry of the latest period, and when all defects or damage have been rectified, the project manager shall issue the contractor a final acceptance certificate and a copy thereof to the contracting authority, stating the date on which the contractor completed its obligations under the contract to the project manager's satisfaction. The final acceptance certificate shall be issued by the project manager within 30 days after the expiration of the warranty period or as soon as any repairs ordered under Article 32 have been completed to the satisfaction of the project manager.
- 34.2. The contract shall not be considered to have been performed in full until the final acceptance certificate has been signed or is deemed to have been signed by the project manager.

34.3. Notwithstanding the issue of the final acceptance certificate, the contractor and the contracting authority shall remain liable for the fulfilment of any obligation incurred under the contract prior to the issue of the final acceptance certificate which remains unperformed at the time that final acceptance certificate is issued. The nature and extent of any such obligation shall be determined by reference to the provisions of the contract.

### BREACH OF CONTRACT AND TERMINATION

### Article 35 - Breach of contract

- Either party commits a breach of contract where it fails to perform its obligations in accordance with the provisions of the contract.
- 35.2. Where a breach of contract occurs, the party injured by the breach is entitled to the following remedies:
  - a) damages; and/or
  - b) termination of the contract.
- 35.3. Damages may be either:
  - a) general damages; or
  - b) liquidated damages.
- 35.4. Should the contractor fail to perform any of its obligations in accordance with the provisions of the contract, the contracting authority is without prejudice to its right under Article 35.2, also entitled to the following remedies:
  - a) suspension of payments; and/or
  - b) reduction or recovery of payments in proportion to the failure's extent.
- 35.5. Where the contracting authority is entitled to damages, it may deduct such damages from any sums due to the contractor or call on the appropriate guarantee.
- 35.6. The contracting authority shall be entitled to compensation for any damage which comes to light after the contract is completed in accordance with the law governing the contract.

### Article 36 - Termination by the contracting authority

- 36.1. The contracting authority may, at any time and with immediate effect, subject to Article 36.9, terminate the contract, except as provided for under Article 36.2.
- 36.2. Subject to any other provision of these general conditions, the contracting authority may, by giving seven day notice to the contractor, terminate the contract in any of the following cases where:
  - a) the contractor is in serious breach of contract for failure to perform its contractual obligations;
  - b) the contractor fails to comply within a reasonable time with the notice given by the project manager requiring it to make good the neglect or failure to perform its obligations under the contract which seriously affects the proper and timely implementation of the tasks;

- c) the contractor refuses or neglects to carry out any administrative orders given by the project manager;
- d) the contractor assigns the contract or subcontracts without the authorisation of the contracting authority;
- e) the contractor is bankrupt, subject to insolvency or winding up procedures, is having its assets administered by a liquidator or by the courts, has entered into an arrangement with creditors, has suspended business activities, or is in any analogous situation arising from a similar procedure provided for under national law or regulations;
- f) any organisational modification occurs involving a change in the legal personality, nature or control of the contractor, unless such modification is recorded in an addendum to the contract:
- g) any other legal disability hindering performance of the contract occurs;
- h) the contractor fails to provide the required guarantees or insurance, or the person providing the earlier guarantee or insurance is not able to abide by its commitments;
- i) the contractor has been guilty of grave professional misconduct proven by any means which the contracting authority can justify;
- j) it has been established by a final judgment or a final administrative decision or by proof in possession of the contracting authority that the contractor has been guilty of fraud, corruption, involvement in a criminal organisation, money laundering or terrorist financing, terrorist related offences, child labour or other forms of trafficking in human beings or circumventing fiscal, social or any other applicable legal obligations, including through the creation of an entity for this purpose;
- k) the contractor, in the performance of another contract financed by the EU budget/EDF funds has been declared to be in serious breach of contract, which has led to its early termination or the application of liquidated damages or other contractual penalties or which has been discovered following checks, audits or investigations by the contracting authority and italian competent authorities.
- 1) after the award of the contract, the award procedure or the performance of the contract proves to have been subject to breach of obligations, irregularities or fraud;
- m) the award procedure or the performance of another contract financed by the Italian funds proves to have been subject to breach of obligations, irregularities or fraud which are likely to affect the performance of the present contract;
- n) the contractor fails to perform its obligation in accordance with Article 9a and Article 9b;
- o) the contractor fails to comply with its obligation in accordance with Article 10;
- p) the contractor is in breach of the data protection obligations resulting from Article 44 of these general conditions.

The cases of termination under points (e), (i), (j), (l), (m) and (n) may refer also to persons who are members of the administrative, management or supervisory body of the contractor and/or to persons having powers of representation, decision or control with regard to the contractor.

The cases of termination under points (a), (e), (f), (g), (i), (j), (k), (l), (m) and (n) may refer also to persons jointly and severally liable for the performance of the contract.

- The cases under points (e), (i), (j), (k), (l), (m), (n) and (p) may refer also to subcontractors.
- 36.3. Termination shall be without prejudice to any other rights or powers under the contract of the contracting authority and the contractor. The contracting authority may, thereafter, conclude any other contract with a third party, at the contractor's own expense. The contractor's liability for delay in completion shall immediately cease when the contracting authority terminates the contract without prejudice to any liability thereunder that may already have arisen.
- 36.4. Upon termination of the contract or when it has received notice thereof, the contractor shall take immediate steps to bring the implementation of the tasks to a close in a prompt and orderly manner and to reduce expenditure to a minimum.
- 36.5. The project manager shall, as soon as possible after termination, certify the value of the supplies and all sums due to the contractor as at the date of termination.
- 36.6. In the event of termination, the project manager shall, as soon as possible and in the presence of the contractor or his representatives or having duly summoned them, draw up a report on the supplies delivered and the incidental siting or installation performed and take an inventory of the materials supplied and unused. A statement shall also be drawn up of monies due to the contractor and of monies owed by the contractor to the contracting authority as at the date of termination of the contract.
- 36.7. The contracting authority shall not be obliged to make any further payments to the contractor until the supplies are completed. After the supplies are completed, the contracting authority shall recover from the contractor the extra costs, if any, of providing the supplies, or shall pay any balance still due to the contractor.
- 36.8. If the contracting authority terminates the contract pursuant to Article 36.2, it shall, in addition to the extra costs for completion of the contract and without prejudice to its other remedies under the contract, be entitled to recover from the contractor any loss it has suffered up to the value of the supply unless otherwise provided for in the special conditions.
- 36.9. Where the termination is not due to an act or omission of the contractor, force majeure or other circumstances beyond the control of the contracting authority, the contractor shall be entitled to claim in addition to sums owed to it for work already performed, an indemnity for loss suffered.
- 36.10. This contract shall be automatically terminated if it has not given rise to any payment in the two years following its signing by both parties.

### **Article 37 - Termination by the contractor**

- 37.1. The contractor may, by giving 14 days' notice to the contracting authority, terminate the contract if the contracting authority:
  - fails to pay the contractor the amounts due under any certificate issued by the project manager after the expiry of the time limit stated in Article 28.3; or
  - consistently fails to meet its obligations after repeated reminders; or
  - suspends the delivery of the supplies, or any part thereof, for more than 180 days, for reasons not specified in the contract or not attributable to the contractor's breach or default.

- 37.2. Such termination shall be without prejudice to any other rights of the contracting authority or the contractor acquired under the contract.
- 37.3. In the event of such termination, the contracting authority shall pay the contractor for any loss or damage the contractor may have suffered.

### Article 38 - Force majeure

- 38.1. Neither party shall be considered to be in default or in breach of its obligations under the contract if the performance of such obligations is prevented by any circumstances of *force majeure* which arises after the date of notification of award or the date when the contract becomes effective
- 38.2. The term *force majeure*, as used herein covers any unforeseeable events, not within the control of either party and which by the exercise of due diligence neither party is able to overcome such as acts of God, strikes, lock-outs or other industrial disturbances, acts of the public enemy, wars whether declared or not, blockades, insurrection, riots, epidemics, landslides, earthquakes, storms, lightning, floods, washouts, civil disturbances, explosions. A decision of the Italian Authority to suspend the cooperation with the partner country is considered to be a case of force majeure when it implies suspension of funding this contract.
- 38.3. Notwithstanding the provisions of Articles 21 and 36, the contractor shall not be liable to forfeiture of its performance guarantee, liquidated damages or termination for default if, and to the extent that, its delay in performance or other failure to perform its obligations under the contract is the result of an event of *force majeure*. The contracting authority shall similarly not be liable, notwithstanding the provisions of Articles 28 and 37, for the payment of interest on delayed payments, for non-performance or for termination by the contractor for default if, and to the extent that, the contracting authority's delay or other failure to perform its obligations is the result of *force majeure*.
- 38.4. If either party considers that any circumstances of *force majeure* have occurred which may affect performance of its obligations, it shall promptly notify the other party and the project manager, giving details of the nature, the probable duration and the likely effect of the circumstances. Unless otherwise directed by the project manager in writing, the contractor shall continue to perform its obligations under the contract as far as is reasonably practicable, and shall seek all reasonable alternative means for performance of its obligations which are not prevented by the *force majeure* event. The contractor shall not put into effect alternative means unless directed so to do by the project manager.
- 38.5. If the contractor incurs additional costs in complying with the project manager's directions or using alternative means under Article 38.4, the amount thereof shall be certified by the project manager.
- 38.6. If circumstances of *force majeure* have occurred and continue for a period of 180 days then, notwithstanding any extension of time for completion of the contract that the contractor may by reason thereof have been granted, either party shall be entitled to serve upon the other with 30 days' notice to terminate the contract. If, at the expiry of the period of 30 days, the situation of *force majeure* persists, the contract shall be terminated and, in consequence thereof under the law governing the contract, the parties shall be released from further performance of the contract.

### Article 39 - Decease

- 39.1. Where the contractor is a natural person, the contract shall be automatically terminated if that person dies. However, the contracting authority shall examine any proposal made by the heirs or beneficiaries if they have notified their wish to continue the contract.
- 39.2. Where the contractor consists of a number of natural persons and one or more of them die, a report shall be agreed between the parties on the progress of the contract, and the contracting authority shall decide whether to terminate or continue the contract in accordance with the undertaking given by the survivors and by the heirs or beneficiaries, as the case may be.
- 39.3. In the cases provided for in Articles 39.1 and 39.2, persons offering to continue to perform the contract shall notify the contracting authority thereof within 15 days of the date of decease. The decision of the contracting authority shall be notified to those concerned within 30 days of receipt of such proposal.
- 39.4. Such persons shall be jointly and severally liable for the proper performance of the contract to the same extent as the deceased contractor. Continuation of the contract shall be subject to the rules relating to establishment of any guarantee provided for in the contract.

### SETTLEMENT OF DISPUTES AND APPLICABLE LAW

### **Article 40 - Settlement of disputes**

- 40.1. The parties shall make every effort to settle amicably any dispute relating to the contract which may arise between them.
- 40.2. Once a dispute has arisen, a party shall notify the other party of the dispute, stating its position on the dispute and any solution which it envisages, and requesting an amicable settlement. The other party shall respond to this request for amicable settlement within 30 days, stating its position on the dispute. Unless the parties agree otherwise, the maximum time period laid down for reaching an amicable settlement shall be 120 days from the date of the notification requesting such a procedure. Should a party not agree to the other party's request for amicable settlement, should a party not respond in time to that request or should no amicable settlement be reached within the maximum time period, the amicable settlement procedure is considered to have failed.
- 40.3. In the absence of an amicable settlement, a party may notify the other party requesting a settlement through conciliation by a third person. If the Italian Authority/AICS is not a party to the contract, it may accept to intervene as conciliator. The other party shall respond to the request for conciliation within 30 days. Unless the parties agree otherwise, the maximum time period laid down for reaching a settlement through conciliation shall be 120 days from the notification requesting such a procedure. Should a party not agree to the other party's request for conciliation, should a party not respond in time to that request or should no settlement be reached within the maximum time period, the conciliation procedure is considered to have failed.
- 40.4. If the amicable settlement procedure and, if so requested, the conciliation procedure fails, each party may refer the dispute to either the decision of a national jurisdiction or arbitration, as specified in the special conditions.

### Article 41 - Applicable law

41.1. This contract shall be governed by the law of the country of the contracting authority or, where the contracting authority is the Italian Authority, by the applicable European Union law complemented where necessary by the law of Italy.

### FINAL PROVISIONS

### Article 42 - Administrative sanctions

- 42.1. Without prejudice to the application of other remedies laid down in the contract, a sanction of exclusion from all contracts and grants financed by the EU, may be imposed, after an adversarial procedure in line with the applicable Financial Regulation,, upon the contractor who, in particular,
  - a) is guilty of grave professional misconduct, has committed irregularities or has shown significant deficiencies in complying with the main obligations in the performance of the contract or has been circumventing fiscal, social or any other applicable obligations, including through the creation of an entity for this purpose. The duration of the exclusion shall not exceed the duration set by final judgement or final administrative decision or, in the absence thereof, three years;
  - b) is guilty of fraud, corruption, participation in a criminal organisation, money laundering, terrorist-related offences, child labour or trafficking in human beings. The duration of the exclusion shall not exceed the duration set by final judgement or final administrative decision or, in the absence thereof, five years;
- 42.2. In the situations mentioned in Article 42.1, in addition or in alternative to the sanction of exclusion, the contractor may also be subject to financial penalties up to 10% of the total contract price.
- 42.3. Where the contracting authority is entitled to impose financial penalties, it may deduct such financial penalties from any sums due to the contractor or call on the appropriate guarantee.
- 42.4. The decision to impose administrative sanctions may be published on a dedicated internet-site, explicitly naming the contractor.

### Article 43 - Verifications, checks and audits by Italian Authority bodies

43.1. The contractor shall allow the Italian Authority, the Italian Anti-Fraud Office and the Italian Court of Auditors to verify, by examining the documents and to make copies thereof or by means of on-the-spot checks, including checks of documents (original or copies), the implementation of the contract. In order to carry out these verifications and audits, the bodies mentioned above shall be allowed to conduct a full audit, if necessary, on the basis of supporting documents for the accounts, accounting documents and any other document relevant to the financing of the project. The contractor shall ensure that on-the-spot accesses is available at all reasonable times, notably at the contractor's offices, to its computer data, to its accounting data and to all the information needed to carry out the audits, including information on individual salaries of persons involved in the project. The contractor shall ensure that the information is readily available at the moment of the audit and, if so requested, that data

- be handed over in an appropriate form. These inspections may take place up to 7 years after the final payment.
- 43.2. Furthermore, the contractor shall allow the Italian Anti-Fraud Office to carry out checks and verification on the spot in accordance with the procedures set out in the Italian and EU legislation for the protection of the financial interests of the Italy against fraud and other irregularities.
- 43.3. To this end, the contractor undertakes to give appropriate access to staff or agents of the Italian Authority, of the Italian Anti-Fraud Office and of the Italian Court of Auditors to the sites and locations at which the contract is carried out, including its information systems, as well as all documents and databases concerning the technical and financial management of the project and to take all steps to facilitate their work. Access given to agents of the Italian Authority, Italian Anti-Fraud Office and the Italian Court of Auditors shall be on the basis of confidentiality with respect to third parties, without prejudice to the obligations of public law to which they are subject. Documents must be easily accessible and filed so as to facilitate their examination and the contractor must inform the contracting authority of their precise location.
- 43.4. The contractor guarantees that the rights of the Italian Authority, of the Italian Anti-Fraud Office and of the Italian Court of Auditors to carry out audits, checks and verification will be equally applicable, under the same conditions and according to the same rules as those set out in this Article, to any subcontractor or any other party benefiting from Italian funds.
- 43.5. Failure to comply with the obligations set forth in Article 43.1 to 43.4 constitutes a case of serious breach of contract.

### **Article 44 - Data protection**

### 44.1. Processing of personal data by the contracting authority

Any personal data included in or relating to the contract, including its implementation, shall be processed in accordance with Regulation (EU) 2018/1725. Such data shall be processed solely for the purposes of the implementation, management and monitoring of the contract by the data controller.

The contractor or any other person whose personal data is processed by the data controller in relation to this contract has specific rights as a data subject under Chapter III (Articles 14-25) of Regulation (EU) 2018/1725, in particular the right to access, rectify or erase their personal data and the right to restrict the processing of their personal data or, where applicable, the right to object to processing or the right to data portability.

Should the contractor or any other person whose personal data is processed in relation to this contract have any queries concerning the processing of its personal data, it shall address itself to the data controller. They may also address themselves to the Data Protection Officer of the data controller. They have the right to lodge a complaint at any time to the European Data Protection Supervisor.

Details concerning the processing of personal data are available in the data protection notice referred to in the special conditions.

### 44.2. Processing of personal data by the contractor

The processing of personal data by the contractor shall meet the requirements of the general conditions and be processed solely for the purposes set out by the controller.

The contractor shall assist the controller for the fulfilment of the controller's obligation to respond to requests for exercising rights of person whose personal data is processed in relation to this contract as laid down in Chapter III (Articles 14-25) of Regulation (EU) 2018/1725. The contractor shall inform without delay the controller about such requests.

The contractor may act only on documented written instructions and under the supervision of the controller, in particular with regard to the purposes of the processing, the categories of data that may be processed, the recipients of the data and the means by which the data subject may exercise its rights.

The contractor shall grant personnel access to the data to the extent strictly necessary for the implementation, management and monitoring of the contract. The contractor must ensure that personnel authorised to process personal data has committed itself to confidentiality or is under appropriate statutory obligation of confidentiality in accordance with the provisions of Article 9.7 of these general conditions.

The contractor shall adopt appropriate technical and organisational security measures, giving due regard to the risks inherent in the processing and to the nature, scope, context and purposes of processing, in order to ensure, in particular, as appropriate:

- (a) the pseudonymisation and encryption of personal data;
- (b) the ability to ensure the ongoing confidentiality, integrity, availability and resilience of processing systems and services;
- (c) the ability to restore the availability and access to personal data in a timely manner in the event of a physical or technical incident;
- (d) a process for regularly testing, assessing and evaluating the effectiveness of technical and organisational measures for ensuring the security of the processing;
- (e) measures to protect personal data from accidental or unlawful destruction, loss, alteration, unauthorised disclosure of or access to personal data transmitted, stored or otherwise processed.

The contractor shall notify relevant personal data breaches to the controller without undue delay and at the latest within 48 hours after the contractor becomes aware of the breach. In such cases, the contractor shall provide the controller with at least the following information:

- (a) nature of the personal data breach including where possible, the categories and approximate number of data subjects concerned and the categories and approximate number of personal data records concerned;
- (b) likely consequences of the breach;
- (c) measures taken or proposed to be taken to address the breach, including, where appropriate, measures to mitigate its possible adverse effects.

The contractor shall immediately inform the data controller if, in its opinion, an instruction infringes Regulation (EU) 2018/1725, Regulation (EU) 2016/679, or other Union or Member State or third country applicable data protection provisions as referred to in the tender specifications.

The contractor shall assist the controller for the fulfilment of its obligations pursuant to Article 33 to 41 under Regulation (EU) 2018/1725 to:

- (a) ensure compliance with its data protection obligations regarding the security of the processing, and the confidentiality of electronic communications and directories of users;
- (b) notify a personal data breach to the European Data Protection Supervisor;
- (c) communicate a personal data breach without undue delay to the data subject, where applicable;
- (d) carry out data protection impact assessments and prior consultations as necessary.

The contractor shall maintain a record of all data processing operations carried on behalf of the controller, transfers of personal data, security breaches, responses to requests for exercising rights of people whose personal data is processed and requests for access to personal data by third parties.

The contracting authority is subject to Protocol 7 of the Treaty on the Functioning of the European Union on the privileges and immunities of the European Union, particularly as regards the inviolability of archives (including the physical location of data and services) and data security, which includes personal data held on behalf of the contracting authority in the premises of the contractor or subcontractor.

The contractor shall notify the contracting authority without delay of any legally binding request for disclosure of the personal data processed on behalf of the contracting authority made by any national public authority, including an authority from a third country. The contractor may not give such access without the prior written authorisation of the contracting authority.

The duration of processing of personal data by the contractor will not exceed the period referred to in Article 9.10 of these general conditions. Upon expiry of this period, the contractor shall, at the choice of the controller, return, without any undue delay in a commonly agreed format, all personal data processed on behalf of the controller and the copies thereof or shall effectively delete all personal data unless Union or national law requires a longer storage of personal data.

For the purpose of Article 6 of these general conditions, if part or all of the processing of personal data is subcontracted to a third party, the contractor shall pass on the obligations referred to in the present article in writing to those parties, including subcontractors. At the request of the contracting authority, the contractor shall provide a document providing evidence of this commitment.

LABC	RATC	ORY TOOLS, BOOK	LABORATORY TOOLS, BOOKS AND MISCELLANEOUS	BACK TO INDEX		
₽		Section	Item	Item Description	Ę	Qty
-		Books	District Laboratory Practice in Tropical Countries, Part 1. First edition	Cheesbrough M Cambridge University Press (ISBN 9780521676304	Ę	9
7		Books	District Laboratory Practice in Tropical Countries, Part 2. Second editiq Cheesbrough M.	Cheesbrough M Cambridge University Press (ISBN 9780521676311)	Ë	9
ო		Books	Manual of Basic Techniques for a Health Laboratory	WHO (ISBN 92 4 154530 5 )	Ë	9
4		Books	Bench Aids for the Diagnosis of Malaria Infections	WHO (ISBN 92 4 154524 0)	Ğ	9
2		Books	Bench Aids for the Diagnosis of Filarial Infections	WHO (ISBN 92 4 154489 9 )	Chr	9
9		Books	Basic Laboratory Methods in medical parasitology	WHO (ISBN 92 9021 245 4 )	Ę	9
7		Books	Laboratory Biosafety Manual	WHO (ISBN 92 4 154650 6)	Ę.	9
8	Tools	Collecting and transpo Tray for slides	Tray for slides	Plastic Tray for 20pcs Microscope Slides	ž	12
6	Tools	Gen_Lab Glassware	Amber Glass Reagent Bottles, narrow mouth	1000ml	Unt	9
10	Tools	Gen_Lab Glassware	Amber Glass Reagent Bottles, narrow mouth	250 ml	Cht	9
7	Tools	Gen_Lab Glassware	Amber Glass Reagent Bottles, narrow mouth	500 ml	Cht	9
12 T	Tools	Gen_Lab Glassware	Beaker 50 ml	narrow mouth, heat-resistant glass with clear graduations.	Z	9
13	Tools	Gen_Lab Glassware	Beaker 100 ml	narrow mouth, heat-resistant glass with clear graduations.	č	9
14 T	Tools	Gen_Lab Glassware	Beaker 250 ml	narrow mouth, heat-resistant glass with clear graduations.	Ę	9
15 T	Tools	Gen_Lab Glassware	Beaker 1000 ml	narrow mouth, heat-resistant glass with clear graduations.	Chr	9
_	Tools	Gen_Lab Glassware	Bell joy bottle		Ch	2
17 T	Tools	Gen_Lab Glassware	cylinder 50 ml	narrow mouth, heat-resistant glass with clear graduations.	를	9
18	Tools	Gen_Lab Glassware	cylinder 100 ml	narrow mouth, heat-resistant glass with clear graduations.	Ę	9
19 T	Tools	Gen_Lab Glassware	cylinder 250 ml	narrow mouth, heat-resistant glass with clear graduations.	Ę	9
	Tools	Gen_Lab Glassware	cylinder 500 ml	narrow mouth, heat-resistant glass with clear graduations.	- E	9
_	Tools	Gen_Lab Glassware	cylinder 1000 ml	narrow mouth, heat-resistant glass with clear graduations.	- E	9
22   T	Tools	Gen_Lab Glassware	Erlenmeyer flask, narrow mouth, heat-resistant glass	100 ml	큳	9
23 T	Tools	Gen_Lab Glassware	Erlenmeyer flask, narrow mouth, heat-resistant glass	250 ml	Ę	9
24 T	Tools	Gen_Lab Glassware	Erlenmeyer flask, narrow mouth, heat-resistant glass	500 ml	Ę	9
25 T	Tools	Gen_Lab Glassware	Erlenmeyer flask, narrow mouth, heat-resistant glass	(1000 ml	Ę	9
26 T	Tools	Gen_Lab Glassware	Funnel, polyethylene 60 - 70 mm diametre	heat-resistant glass	ž	9
27   T	Tools	Gen_Lab Glassware	Funnel, polyethylene 90 - 100 mm diametre	heat-resistant glass	Ę	9
28 T	Tools	Gen_Lab Glassware	Test tube, glass, heat resistant 100 x 13 mm	box 100 pcs	Ę	_
Z9 T	Tools	Gen_Lab Glassware	Test tube, glass, heat resistant 150 x 15 mm	box 100 pcs	Ë	_
1 30 T	Sloo1	Tools   Gen_Lab Glassware	Test tube, glass, heat resistant 75 x 10 mm	box 100 pcs	- C	_

<del>-</del>	_	_			9	9	9	9	9	9	9	9	9	9	9	9	9	4	_	12	12	4	9	7	9	7	7	2	2	12	12	10
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								raduations.	raduations.	raduations.	raduations.	ibbed for rapid filtering					.npe.	ube.	Polyethylene 10 litre container with handle and removable tap.				1	1								
box 100 pcs	box 100 pcs	hox 100 pcs	200	heat-resistant glass	heat-resistant glass	heat-resistant glass	heat-resistant glass	Polypropylene, with clear graduations.	Polypropylene, with clear graduations	Polypropylene, with clear graduations.	Polypropylene, with clear graduations.	Polypropylene, preferably ribbed for rapid filtering				box of 100 pcs	Polythene, with dispenser tube.	Polythene, with dispenser tube.	Polyethylene 10 litre contain			plastic made 100 x 60 mm				pack 24						
13 mm	x 13 mm						=					ametre	Ð	netre	netre	metre								bistuti blades, scalpel, etc)	d)			OPERAZIONS	が表現している。		NIL STATE OF THE S	ANA
Test tube, glass, heat resistant 75 x 13 mm	Test tube, glass, Pyrex with cup 100 x 13 mm	Toot tothe grading 10 m conics	lest tube, graduated, 10 IIII collical	Volumetric flask, with stopper 100 ml	Volumetric flask, with stopper 250 ml	Volumetric flask, with stopper 500 ml	Volumetric flask, with stopper 1000 ml	cylinder 1000 ml	cylinder 250 ml	cylinder 50 ml	cylinder 500 ml	Funnel, polyethylene 140 - 150 mm diametre	Funnel, polyethylene 230 mm diametre	Funnel, polyethylene 35 - 40 mm diametre	Funnel, polyethylene 60 - 70 mm diametre	Funnel, polyethylene 90 - 100 mm diametre	Plastic basin, 5 litre	Plastic bucket, 15 litre	Urine test tube 15 ml with cup	Wash bottles. 250 ml	Wash bottles. 500 ml	Water storage container	Bulb Capillary filler	Dissection Set (2 forcet, 2 scissor, 2 bistuti blades, scalpel, etc)	Drying rack for glass and plastic ware	forceps Kocher 15 mm	forceps Kocher 17 mm	forceps Kocher 20 mm	Rubber bulb Tits	slide boxes	slide drying rack	Slides staining metal racks
Tools   Gen_Lab Glassware		oromosolo do Laco	Geil_Lab Glasswale	Gen_Lab Glassware	Gen_Lab Glassware	Gen_Lab Glassware	Gen_Lab Glassware	Gen_Lab Plasticware	Gen_Lab Plasticware	Gen_Lab Plasticware	Gen_Lab Plasticware	Gen_Lab Plasticware	Gen_Lab Plasticware	Gen_Lab Plasticware	Gen_Lab Plasticware	Gen_Lab Plasticware	Gen_Lab Plasticware	Gen_Lab Plasticware	Gen_Lab Plasticware	Gen_Lab Plasticware	Gen_Lab Plasticware	Gen_Lab Plasticware	General lab Material	General lab Material	General lab Material	General lab Material	General lab Material	General lab Material	General lab Material	General lab Material	General lab Material	General lab Material
Tools	Tools	- L	200	Tools	Tools	Tools	Tools	Tools	Tools	Tools	Tools	Tools	Tools	Tools	Tools	Tools	Tools	Tools	Tools	Tools	Tools	Tools	Tools	Tools	Tools	Tools	Tools	Tools	Tools	Tools	Tools	Tools
31	32	33	,	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	22	28	59	90	61	62

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64 Tools General lab Material Spatulas - Spoon_spatula for weighing reagents 65 Tools General lab Material Spatulas big size for weighing reagents 66 Tools General lab Material Spatulas small size for weighing reagents 67 Tools General lab Material Staining rack 68 Tools General lab Material Test tube rack 70 Tools General lab Material Tourniquet 71 Tools General lab Material Tourniquet 72 Tools Microbiology Petri dishes 90 mm 73 Tools Microbiology Scalpel blade n. 10 74 Tools Microbiology Scalpel blade n. 10 75 Tools Microbiology Scalpel blade n. 10 76 Tools Microbiology Scalpel blade n. 10 77 Tools Microbiology Scalpel blade n. 10 78 Tools Microbiology Scalpel blade n. 10 79 Tools Microbiology Scalpel blade n. 10 70 Mashing and Sterilizat Brush - test tube 70 Tools Washing and Sterilizat Brush - test tube 81 Tools Washing and Sterilizat Brush - test tube 82 Tools Washing and Sterilizat Brush - test tube							Plastic hold 50 tubes/ dia.15mm	Plastic hold 50 tubes/ dia.13mm		stainless steel	glass	Pockt of 10 pcs	Stainless Steel -	metal		for cleaning bottles	small sizes	medium sizes	House Water Filter Size - Sediment filter and Smart Filter
63 Tools General lab Material 64 Tools General lab Material 66 Tools General lab Material 66 Tools General lab Material 67 Tools General lab Material 68 Tools General lab Material 70 Tools General lab Material 71 Tools General lab Material 72 Tools General lab Material 73 Tools Microbiology 74 Tools Microbiology 75 Tools Microbiology 76 Tools Microbiology 77 Tools Microbiology 76 Tools Microbiology 77 Tools Washing and Sterilizal 78 Tools Washing and Sterilizal 80 Tools Washing and Sterilizal 81 Tools Washing and Sterilizal			Spatulas medium size for weighing reagents	Spatulas small size for weighing reagents	staining rack	Stainless steel staining rack for a sink	Test tube rack	Test tube rack	Tourniquet	Forceps 18 cm	Petri dishes 90 mm	Scalpel blade n. 10	Scalpel handle n.3	Wire loop		Brush - bottles	t Brush - test tube	Brush - test tube	t Water filter
63         Tools           64         Tools           65         Tools           66         Tools           67         Tools           69         Tools           70         Tools           72         Tools           73         Tools           74         Tools           75         Tools           76         Tools           77         Tools           76         Tools           77         Tools           78         Tools           79         Tools           79         Tools           79         Tools           80         Tools           80         Tools           80         Tools           80         Tools           81         Tools	General lab Material	General lab Material	General lab Material	General lab Material	General lab Material	General lab Material	General lab Material	General lab Material	General lab Material	Microbiology	Microbiology	Microbiology	Microbiology	Microbiology		Washing and Sterilizat	Washing and Sterilizat	Washing and Sterilizat	Washing and Sterilizat
64 65 66 67 68 69 69 77 77 77 77 78 78 81	Tools	Tools	Tools	Tools	Tools				Tools	Tools	Tools								Tools
	63	64	65	99	29	89	69	70	71	72	73	74	75	9/	77	78	6/	80	81





# Analyzers, Laboratory, Immunoessay, Photometric, Microplate reader

1 GENERAL DESCRIPTION	ELISA analyzers, enzyme-linked immunosorbent assay analyzers, microplate	ly analyzers, microplate	BSI DAS - Italy	
			(C) , (C)   (C)	
	PMHs are used in laboratories to analyze the contents	he contents of sample solutions by		
	measuring absorbance characteristics (ref Mod. Stat Fax 4200)	Fax 4200)		
2 UMDNS	16-979			
3 FDA CLEARANCE	۲			
4 CE MARK (MDD)	Yes		yes	
	Single or dual wavelength		yes	
6 OPTICAL SYSTEM	1 channel		yes	
7 PHOTOMETRIC ACCURACY	±1%		±1% from 0	
8 MEASUREMENT RANGE,	-0.20 to +3			
Abs			Trom 0.2 to 2.5	
9 WAVELENGTH RANGE, nm 400-670	, Vis model; 340-670, UV model; 400-750,	IR model	from 340 to 630	
10 PRECISION	±1%, ±0.005 Abs		±1%, ±0.005 Abs	
11 RESOLUTION, OD			0,001	
12 ISOTHERMAL READING	No			
CHAMBER			02	
13 Operating range, °C	Operating range, °C			
14 TEMPERATURE				
15 Operating range, °C	ge, °C 5-40			
16 Incubator operating range,	range,			
17 LIGHT SOURCE	Tungsten halogen		Tungsten halogen	
18 PHOTODETECTOR			Gallium arsenide phosphide	
19 FILTER TYPE	Hard coat, ion-assisted deposition interference filters,	10 nm half band pass	Hard coat, ion-essisted deposition interference filters, 10 nm half band	
20 VESSEL		NO.	Standard 96-well microplates or strip trays	
21 COMPATIBLE	Standard 96-well microplates	の の の の の の の の の の の の の	Standard 06-well microplates	
MICHOPLATES	**************************************		Organization Solver Interceptation	7
PROGRAMMABLE AS	SAYS Assays from manufacturer	UP ALEON	Assays from manufacturer	
24 Analysis	~35; ~50 with data reduction methods		~35; ~50 with data reduction methods	A
Readil	<10/96-well		<10/96-wel	X
26 Calculation modes	Single-point calibration, uptake, point-to-point curve fit, polynomial/log and tinear	t, polynomial/log and tinear		
	- :	axes	singire-point cameratore, uptake, point-to-point curve fit, polymornaulog a	
27 Display	Required	<	Graphic 280*128 pixel	
m D	tter interface Windows 2000 or higher	11		

29 Printer	thermal printer, 80 characters/line; parallel or serial printer can be used; supports		
	Epson, Canon Bubble Jet, HP DeskJet		
30 Bar-code reader	Yes	Yes	
31 ROBOTICS COMPATIBLE	Yes	Yes	
32 SELF/REMOTE	Self	71 - 0	
DIAGNOSTICS		Self	
QUALITY COI	NTROL Yes	Yes	
34 POWER CONSUMPTION			
35 Voltage, VAC, Hz	Self-sensing, 110-250 VAC	Self-sensing, 110-250 VAC	
36 Consumption, W	50	50	
37 Fuses, A	2 x 3 AG		
38 Battery backup	UPS recommended		
39 H x W x D, cm	18 x 37 x 43	35*34*24	
40 WEIGHT, kg	13,7	11 kg	
41 External printer	Yes	Yes	
42 ACCESSORIES	42 ACCESSORIES		
43 Printer & supplies	43 Printer & supplies		
44 Cables	44 Cables Yes	Yes	
45 Power cord included (Euro or US plug)	Yes	Yes	
. :	Yes	Yes	
47 Cassettes	47 Cassettes Yes	Yes	
48 Covers	Yes	Yes	
	Yes	Yes	
	Yes	Yes	
51 Fuses, bulbs	2 fuses and 1 lamp included	2 fuses and 1 lamp included	
52 Interference filters	standard replacements	standard replacements	
53 Calibration plate	kit of DRI-DYE check strips	kit of DRI-DYE check strips	
54 TRAINING, days	ays 3	3	



## WASHER, MICROPLATE

2 UMDNS         17489           3 CE MARKED         Yes           4 CONFIGURATION         8-, 12-, or 16-channel strip washer           5 AUTOMATED/MANUAL         Automated           6 WASHING PARAMETERS         Dispense volume, well type, single/doub           7 User programmable         All           8 PROGRAMS         All           9 User definable         Yes           10 Number stored         50           11 Maximum number of cycles         20           12 Maximum soak time, sec         999           13 COMPATIBLE PLATES         96-well plates, strip wells; flat, round, or           14 Capacity, number of plates         1           15 WASH HEADS         8-, 12-, or 16-way interchangeable           16 FLUID RESERVOIR         8-, 12-, or 16-way interchangeable           17 Capacity, L         1           18 Wash         2	17489 Yes 8-, 12-, or 16-channel strip washer	- Mary -	
CE MARKED CONFIGURATION AUTOMATED/MANUAL WASHING PARAMETERS User programmable PROGRAMS User definable Number stored Maximum number of cycles Maximum soak time, sec COMPATIBLE PLATES Capacity, number of plates WASH HEADS FLUID RESERVOIR Capacity, L	channel strip washer		
CE MARKED CONFIGURATION AUTOMATED/MANUAL WASHING PARAMETERS User programmable PROGRAMS User definable Number stored Maximum number of cycles Maximum soak time, sec COMPATIBLE PLATES CAPACITY, number of plates WASH HEADS FLUID RESERVOIR CAPACITY, L	channel strip washer		
CONFIGURATION AUTOMATED/MANUAL WASHING PARAMETERS User programmable PROGRAMS User definable Number stored Maximum number of cycles Maximum soak time, sec COMPATIBLE PLATES Capacity, number of plates WASH HEADS FLUID RESERVOIR Capacity, L	channel strip washer	yes	
AUTOMATED/MANUAL WASHING PARAMETERS User programmable PROGRAMS User definable Number stored Maximum number of cycles Maximum soak time, sec COMPATIBLE PLATES Capacity, number of plates WASH HEADS FLUID RESERVOIR Capacity, L			
WASHING PARAMETERS User programmable PROGRAMS User definable Number stored Maximum number of cycles Maximum soak time, sec COMPATIBLE PLATES Capacity, number of plates WASH HEADS FLUID RESERVOIR Capacity, L		Automated	
User programmable PROGRAMS User definable Number stored Maximum number of cycles Maximum soak time, sec COMPATIBLE PLATES Capacity, number of plates WASH HEADS FLUID RESERVOIR Capacity, L	Dispense volume, well type, single/double aspirate, soak, pause for keystroke	Dispense volume from 200 - 400 UL per step	
		All	
		yes	
		100 washing configuration	
12 Maximum soak time, sec       999         13 COMPATIBLE PLATES       96-well plates,         14 Capacity, number of plates       1         15 WASH HEADS       8-, 12-, or 16-w         16 FLUID RESERVOIR         17 Capacity, L         18 Wash       2		20	
13 COMPATIBLE PLATES       96-well plates,         14 Capacity, number of plates       1         15 WASH HEADS       8-, 12-, or 16-well plates,         16 FLUID RESERVOIR       17 Capacity, L         18 Wash       2	66	666	
14 Capacity, number of plates       1         15 WASH HEADS       8-, 12-, or 16-v         16 FLUID RESERVOIR         17 Capacity, L         18 Wash       2	, strip wells; flat, round, or V bottom	96-well plates, strip wells; flat, round,	
		_	
	way interchangeable		
Capacity Wash			
Wash			
		2	
19 Rinse 1		-	
<b>20 Waste</b> 2		2	
∖ gni	Yes	yes	
크		1	
23 ACCURACY, % >2% preferred	Nemanal	>5% with 399 UL	
24 PRECISION, % CV 3	ZZIONEZZ.	6	
7	3	C	
		3	
<b>SE</b> 0,5	UFF	30	
VOLUME, mL/well		0.0	
$H \times W \times D$ , cm (in)	19.1 x 34.3 x 40.6 (7.5 x 13.5 x 16)	34*36*18.5	\L
WEIGHT, kg (lb)	10 (22)	11.2 kg	
29 POWER REQUIREMENTS			
<b>30 VAC</b> 120/220; switcl	120/220; switch-selectable voltage	120/220; switch-selectable voltage	
31 Hz	99	50/60	
	Autoprogrammable rinse; clear-acrylic aerosol shield; auto well sensing; mixing	Autoprogrammable tinse, clear-acrylic aerosol shield; auto well sensing	

က

33 TRAINING

1	1	
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	1/3	



## ANAEROBIC CONTAINER; RECTANGULAR

	Jar for Anaerobic Culture	/ I	yes	yes	yes
GENERAL DESCRIPTION Lar for Apparobic Culture	2 CAPACITY 7 1	3 DIMENSIONS, cm 30x20x15	4 MATERIAL Policarbonate	5 Nof PLATES Specify	6 TRAINING 0





## **ANAEROBIC JAR, 2.5 L**

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1 GENERAL DESCRIPTION	Jar for Anaerobic Culture	Jar for Anaerobic Culture	
2 CAPACITY	2 CAPACITY 2,5	2,5	
3 MATERIAL	3 MATERIAL Policarbonate	Policarbonate	
4 LID	Yes	Yes	
5 Carrying handle	5 Carrying handle Yes Teach Teacher Te	Yes	
6 Vacuum release	6 Vacuum release Yes	Yes	
7 PLATE CARRIER	7 PLATE CARRIER Included	Included	
8 DIMENSIONS	90x160x220mm	Yes	
9 Nof PLATES	9 Nof PLATES 12	12	
10 TRAINING	0		
		***************************************	





### ANAEROBIC JAR, 3.5 L

[e]	
n Nam	
Version	
Name/	
/Model	
r Name	
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Mai	

named manney model manney version remind		
1 GENERAL DESCRIPTION	Jar for Anaerobic Culture	Jar for Anaerobic Culture
2 CAPACITY I		
1		
		Voc
	Yes	CD I
5 Vacuum release	Yes	Yes
6 Clamps	Yes	Yes
7 GASKET		O-ring
8 PLATE CARRIER	Included	Included
ind output	Schrader valves,	Schrader valves,
	12	12
11 AFTER SALE. Interv/Year		0
12 TRAINING	0	0
13 SAFETY VALVE automa	ttic safety valve,	automatic safety valve,
14 PRESSURE GAUGE	Yes	Yes
	Included	Included
Oxoid Low Temperature Catalyst		Included
17 TRAINING		





## CENTRIFUGE, TABLETOP, NOT REFRIGERATED

1 GENERAL DESCRIPTION	Low-speed, tabletop centrifuges to be used for routine separation of sample volumes.	Model: Rotofix 32 A	
	2	/ Hettich - Germany JOR	
	digital touchpad display to set time and rpm, robust construction with case resistant	EBA 200 & ODTION	
	to various chemical and physical agent. With Alarms and lock.		
2 UMDNS	[18-266]		
3 CE MARK (MDD)	-	yes	
z	Tabletop Centrifuges	Tabletop Centrifuges	
5 ROTATIONAL SPEED			
6 Max rpm	173	6,000 min-1	
7 Max RCF, g	12	4,226	
8 REFRIGERATED	No	No	
9 NUMBER OF ROTORS	NUMBER OF ROTORS 1	1	
10 VARIABLE ANGLE	Yes, preferred	Yes, preferred	
11 ANGLE RANGE		Between 0 and 90 deg	
12 ROTOR CAPACITY, samples		8 to 12 tubes of 15 ml	
13 DISPLAY TYPE	Digital	Digital	
14 TIMER	Yes	Yes	
15 Range, min	0	0 to ≥60	
16 Settings	1 min i	1 min increments	
17 BRAKING, type	Electric preferred	Electric preferred	
18 ADJUSTMENT & CONTROLS		Manual Touchpad	
19 LID INTERLOCK		Yes	
20 BRUSHLESS	Yes	Хes	
21 ALERT INDICATORS	audible; Imbalance, lid open, error codes, rotor recognition, end of run	aucitbie; Imbalance, lid open, error cocies, rotor recognition, end of run	
22 NOISE LEVEL, dB	< 60	09>	
23 SPECIAL WARRANTY	Required 7 years for rotor	7 years	
25 TRAINING	25 TRAINING 0,25	yes	





## Centrifuges, Tabletop, High-Speed, Refrigerated

Cool the rotor chamber. Low Capacity Disc microorganisms, cells, cellular debris, and sediment viruses and cellular organelles.	refe sampling, that can collect I precipitates and can also effectively	MIDGEL : ROLLING SOUR ( HETTICH - GERMANY )  YES Tabletop, with rotors, refrigerated Max. RPM (speed) :15,000 min-1 24,400  Digital 20 (0-1,000)  max. 4 x 290 ml max. 36 x 15 ml  4  max. 4 x 290 ml	
2 UMDNS 3 CE MARK (MDD) 4 CONFIGURATION 5 ROTATIONAL SPEED 6 Max rpm 7 Max RCF, g 8 rpm adjust method 9 TACHOMETER 10 Display type 11 Accuracy, rpm 12 ROTOR HEADS AVAILABLE 13 Fixed angle 14 Aswinging blocket 15 MAXIMUM CAPACITY, mL 16 TEMPERATURE 17 Range, °C 18 Accuracy, °C 19 TIMER 20 Range, min 21 Increments, min	d precipitates and can also effectively	( HETTICH - GERMANY )  YES  Tabletop, with rotors, refrigerated  Max RPM (speed) :15,000 min-1  24,400  Digital  20 (0-1,000)  max. 4 x 290 ml max. 36 x 15 ml  max. 4 x 290 ml	
2 UMDNS 3 CE MARK (MDD) 4 CONFIGURATION 5 ROTATIONAL SPEED 6 Max rpm 7 Max RCF, g 8 rpm adjust method 9 TACHOMETER 10 Display type 11 Accuracy, rpm 12 ROTOR HEADS AVAILABLE 13 Fixed angle 14 Swinging bucket 15 MAXIMUM CAPACITY, mL 16 TEMPERATURE 17 Range, °C 18 Accuracy, °C 19 TIMER 20 Range, min 21 Increments, min	precipitates and can also effectively	YES  Tabletop, with rotors, refrigerated  Max. RPM (speed):15,000 min-1 24,400  Digital 20 (0-1,000)  max. 4 x 290 ml max. 36 x 15 ml  4  max. 4 x 290 ml	
2 UMDNS 3 CE MARK (MDD) 4 CONFIGURATION 5 ROTATIONAL SPEED 6 Max rpm 7 Max RCF, g 8 rpm adjust method 9 TACHOMETER 10 Display type 11 Accuracy, rpm 12 ROTOR HEADS AVAILABLE 13 Fixed angle 14 Swinging bucket 15 MAXIMUM CAPACITY, mL 16 TEMPERATURE 17 Range, °C 18 Accuracy, °C 19 TIMER 20 Range, min 21 Increments, min		p. with rotors, refrige PM (speed) :15,000 (000) x 290 ml max. 36 x	
2 UMDNS         [15-193]           3 CE MARK (MDD)         yes           4 CONFIGURATION         Tabletop, with rotors, refrigerat           5 ROTATIONAL SPEED         26000 - 29000 ca           6 Max rpm         26000 - 29000 ca           7 Max RCF, g         70000-100000           8 rpm adjust method         Microprocessor, 10 rpm increm           9 TACHOMETER         Microprocessor, 10 rpm increm           10 Display type         Digital           11 Accuracy, rpm         20 (0-1,000)           12 ROTOR HEADS AVAILABLE         20           13 Fixed angle         20           14 Swinging bucket         5           15 MAXIMUM CAPACITY, mL         1,000 (6 x 250)           16 TEMPERATURE         - 10 to 440           17 Range, °C         - 10 to 440           17 Range, min         1 min to 99 hr 59 min, hold           20 Range, min         1 sec           21 Increments, min         1 sec		p, with rotors, refrige PM (speed) :15.000 (000) x 290 ml max. 36 x	
3 CE MARK (MDD)         yes           4 CONFIGURATION         Tabletop, with rotors, refrigerat           5 ROTATIONAL SPEED         26000 - 29000 ca           6 Max rpm         26000 - 29000 ca           7 Max RCF, g         70000-100000           8 rpm adjust method         Microprocessor, 10 rpm increm           9 TACHOMETER         Microprocessor, 10 rpm increm           10 Display type         Digital           11 Accuracy, rpm         20 (0-1,000)           12 ROTOR HEADS AVAILABLE         20           13 Fixed angle         20           14 Swinging bucket         5           15 MAXIMUM CAPACITY, mL         1,000 (6 x 250)           16 TEMPERATURE         - 10 to +40           17 Range, °C         - 10 to +40           18 Accuracy, °C         1           19 TIMER         Yes           20 Range, min         1 min to 99 hr 59 min, hold           21 Increments, min         1 sec		p, with rotors, refrige PM (speed) :15,000 000) x 290 ml max. 36 x	
4 CONFIGURATION         Tabletop, with rotors, refrigerat           5 ROTATIONAL SPEED         26000 - 29000 ca           6 Max rpm         26000 - 29000 ca           7 Max RCF, g         70000-100000           8 rpm adjust method         Microprocessor, 10 rpm increm           9 TACHOMETER         Digital           10 Display type         Digital           11 Accuracy, rpm         20 (0-1,000)           12 ROTOR HEADS AVAILABLE         20           13 Fixed angle         20           14 Swinging bucket         5           15 MAXIMUM CAPACITY, mL         1,000 (6 x 250)           16 TEMPERATURE         1,000 (6 x 250)           17 Range, °C         - 10 to 440           18 Accuracy, °C         1           19 TIMER         Yes           20 Range, min         1 min to 99 hr 59 min, hold           21 Increments, min         1 sec		p, with rotors, refrige PM (speed) :15.000 900) 000) x 290 ml max. 36 x	
5 Max rpm         26000 - 29000 ca           6 Max rpm         26000 - 29000 ca           7 Max RCF, g         70000-100000           8 rpm adjust method         Microprocessor, 10 rpm increm           9 TACHOMETER         Digital           10 Display type         Digital           11 Accuracy, rpm         20 (0-1,000)           12 ROTOR HEADS AVAILABLE         20           13 Fixed angle         20           15 MAXIMUM CAPACITY, mL         1,000 (6 x 250)           16 TEMPERATURE         10 to 440           17 Range, °C         - 10 to 440           18 Accuracy, °C         1           19 TIMER         Yes           20 Range, min         1 min to 99 hr 59 min, hold           21 Increments, min         1 sec		PM (speed):15.000 000) x 290 ml max. 36 x	
6 Max rpm         26000 - 29000 ca           7 Max RCF, g         70000-100000           8 rpm adjust method         Microprocessor, 10 rpm increm           9 TACHOMETER         Digital           10 Display type         Digital           11 Accuracy, rpm         20 (0-1,000)           12 ROTOR HEADS AVAILABLE         20           13 Fixed angle         20           14 Swinging bucket         5           15 MAXIMUM CAPACITY, mL         1,000 (6 x 250)           16 TEMPERATURE         -10 to 440           17 Range, °C         -10 to 440           18 Accuracy, °C         1           19 TIMER         Yes           20 Range, min         1 min to 99 hr 59 min, hold           21 Increments, min         1 sec		PM (speed) :15,000 000) x 290 ml max. 36 x	
7 Max RCF, g         70000-100000           8 rpm adjust method         Microprocessor, 10 rpm increm           9 TACHOMETER         Digital           10 Display type         Digital           11 Accuracy, rpm         20 (0-1,000)           12 ROTOR HEADS AVAILABLE         20           13 Fixed angle         20           14 Swinging bucket         5           15 MAXIMUM CAPACITY, mL         1,000 (6 x 250)           16 TEMPERATURE         -10 to +40           17 Range, °C         -10 to +40           18 Accuracy, °C         1           20 Range, min         1 min to 99 hr 59 min, hold           21 Increments, min         1 sec		000) × 290 ml max. 36 × × 290 ml	
8 rpm adjust method         Microprocessor, 10 rpm increm           9 TACHOMETER         Digital           10 Display type         Digital           11 Accuracy, rpm         20 (0-1,000)           12 ROTOR HEADS AVAILABLE         20           13 Fixed angle         20           14 Swinging bucket         5           15 MAXIMUM CAPACITY, mL         1,000 (6 x 250)           16 TEMPERATURE         - 10 to 40           17 Range, °C         - 10 to 40           18 Accuracy, °C         1           20 Range, min         1 min to 99 hr 59 min, hold           21 Increments, min         1 sec	ents	1,000) 1 x 290 ml max. 36 x 1 x 290 ml	
9 TACHOMETER         10 Display type       Digital         11 Accuracy, rpm       20 (0-1,000)         12 ROTOR HEADS AVAILABLE       20         13 Fixed angle       20         14 Swinging bucket       5         15 MAXIMUM CAPACITY, mL       1,000 (6 x 250)         16 TEMPERATURE       - 10 to 40         17 Range, °C       - 10 to 40         18 Accuracy, °C       1         20 Range, min       1 min to 99 hr 59 min, hold         21 Increments, min       1 sec		,000) 1 x 290 ml max. 36 x 1 x 290 ml	
10 Display type         Digital           11 Accuracy, rpm         20 (0-1,000)           12 ROTOR HEADS AVAILABLE         20           13 Fixed angle         20           14 Swinging bucket         5           15 MAXIMUM CAPACITY, mL         1,000 (6 x 250)           16 TEMPERATURE         - 10 to 440           17 Range, °C         1           18 Accuracy, °C         1           20 Range, min         1 min to 99 hr 59 min, hold           21 Increments, min         1 sec		,000) 1 x 290 ml max. 36 x 1 x 290 ml	
11 Accuracy, rpm       20 (0-1,000)         12 ROTOR HEADS AVAILABLE       20         13 Fixed angle       20         14 Swinging bucket       5         15 MAXIMUM CAPACITY, mL       1,000 (6 × 250)         16 TEMPERATURE       - 10 to 440         17 Range, °C       - 10 to 440         18 Accuracy, °C       1         20 Range, min       1 min to 99 hr 59 min, hold         21 Increments, min       1 sec		1,000) 1 x 290 ml max. 36 x 1 x 290 ml	
12 ROTOR HEADS AVAILABLE         13 Fixed angle       20         14 Swinging bucket       5         15 MAXIMUM CAPACITY, mL       1,000 (6 x 250)         16 TEMPERATURE       - 10 to +40         17 Range, °C       - 10 to +40         18 Accuracy, °C       1         20 Range, min       1 min to 99 hr 59 min, hold         21 Increments, min       1 sec		nax. 4 x 290 ml max. 36 x	
13 Fixed angle       20         14 Swinging bucket       5         15 MAXIMUM CAPACITY, mL       1,000 (6 x 250)         16 TEMPERATURE       - 10 to +40         17 Range, °C       - 10 to +40         18 Accuracy, °C       1         19 TIMER       Yes         20 Range, min       1 min to 99 hr 59 min, hold         21 Increments, min       1 sec		nax. 4 x 290 ml max. 36 x	
14 Swinging bucket       5         15 MAXIMUM CAPACITY, mL       1,000 (6 x 250)         16 TEMPERATURE       - 10 to +40         17 Range, °C       - 10 to +40         18 Accuracy, °C       1         19 TIMER       Yes         20 Range, min       1 min to 99 hr 59 min, hold         21 Increments, min       1 sec		4 max. 4 x 290 ml	
15 MAXIMUM CAPACITY, mL       1,000 (6 x 250)         16 TEMPERATURE       - 10 to +40         17 Range, °C       - 10 to +40         18 Accuracy, °C       1         19 TIMER       Yes         20 Range, min       1 min to 99 hr 59 min, hold         21 Increments, min       1 sec		max. 4 x 290 ml	
16 TEMPERATURE       - 10 to +40         17 Range, °C       - 10 to +40         18 Accuracy, °C       1         19 TIMER       Yes         20 Range, min       1 min to 99 hr 59 min, hold         21 Increments, min       1 sec			
17 Range, °C       - 10 to +40         18 Accuracy, °C       1         19 TIMER       Yes         20 Range, min       1 min to 99 hr 59 min, hold         21 Increments, min       1 sec			
18 Accuracy, °C       1         19 TIMER       Yes         20 Range, min       1 min to 99 hr 59 min, hold         21 Increments, min       1 sec		- 10 to +40	
19 TIMER 20 Range, min 1 min to 99 hr 59 min, hold 21 Increments, min 1 sec		-	
20 Range, min 1 min to 99 hr 59 min, hold 21 Increments, min 1 sec		Yes	
21 Increments, min 1 sec		1 min to 99 hr 59 min, hold	
		1 sec	
22 PROGRAMMABLE yes		yes	
33		yes	
24 BIOHAZARD CONTAINMENT Yes		yes	
25 ALERT INDICATORS Rotor imbalance, overtemperat	ure, overspeed, power failure	Rotor imbalance, overtemperature, overspeed, power failure	
26 BRUSH/BRUSHLESS Brushless		Brushless	Transfer
27 BRAKING			
28 Type Electronic regenerative		Electronic regenerative	1
29 Num		Electronic regenerative	
30 Max brake time, sec 175 ca	* Oddi	175 ca	X
31 NOISE LEVEL, dB			
32 INPUT VOLTAGE, VAC 208/240, 60/50 Hz	C CHILLIAN TO SHAPE	208/240, 60/50 Hz	
33 POWER CONSUMPTION Please Specify	NA NA	200 – 240 V 1 p	
34 H x W x D, cm (in) Please Specify	IT/	418 x 457 x 750 mm	

. 81 kg	
35 WEIGHT, kg (ib) Please Specify	YES
Please Specify	36 TRAINING, days 0,5
35 WEIGHT, kg (lb)	36 TRAINING, days





### Annex II + III

## DENSITOMETER, LABORATORY, SCANNING

	ON Jomes International	Paramental Marchael M	3 00	
16-905   16-905   16-905   16-905   16-905   16-905   16-905   16-905   16-905   10-95   10-	Manufacturer Name Model Name   1	Scanning densitonaters for measuring the transmitted and/or reflected light from Scanning densitonaters for measuring from electrophoresis, thin-layer patterns in a support medium resulting from electrophoresis, thin-layer chromatography (T.C), or immunoassay blot sample separation. To provide a rapid, accurate, and cost-effective method of quantifying the separated fractions of various serum components (e.g., proteins, isoenzymes) and detecting very low fraction	MODEL : VariDens B (SCHMIDT HAENSCH - GERMANY )	
VES   VES		16-905		
VES		Voc	YES	
MBD    Tess   10 - 3g/cm²		153	YES	
NG RANGES   0 - 3 g/cm²   10 - 65 °C (Petitler temperature control)   10 - 10 Bar (0 - 145 psl)   10 - 145 psl)   1		T65		
ture 10 - 3 g/cm² ture 10 - 95 °C (Pettier temperature control)  10 - 10 Bar (0 - 145 psi)  11 - 10 0001 g/cm²  12 - 10 0002 g/cm²  13 - 10 0002 g/cm²  14 - 10 0002 g/cm²  15 - 10 0002 g/cm²  16 - 10 1 °C  17 - 10 0002 g/cm²  18 - 10 00	MEASURING RANGES			
ture         10 - 95 °C (Peltier temperature control)         10 - 10 Bar         10 - 10 Bar <th< td=""><th>6 Density</th><td>0 - 3 g/cm³</td><td>7</td><td></td></th<>	6 Density	0 - 3 g/cm³	7	
0 - 10 Bar (0 - 145 psi)   0 - 100 Bar (0 - 145 psi)   2 - 10000000000000000000000000000000000	7 Temperature	10 - 95 °C (Peltier temperature control)	10 - 30 0	
on 0.0001 g/cm²         0.0005 g/cm²         ± 0.0005           y         ± 0.0002 g/cm²         ± 0.0002           ATURE         0.01 °C         ± 0.00 °C           on         ± 0.02 °C         ± 0.03 °C           dibility         ± 0.02 °C         ± 0.03 °C           Sibility         ± 0.02 °C         ± 0.01 °C           cibility         ± 0.02 °C         ± 0.01 °C           MPLE VOLUME         approx. 1.5 ml         YBoros           In MODE         Automatic (combined visual – electronic)         Yes (companion of visual – electronic)           A MODE         Yes         Yes           Ission         Yes         Yes           Ion         Yes           Ion         Agarose gel, cellulose acetate; others optional         Yes	8 Pressure	0 - 10 Bar (0 - 145 psl)	0 - 10 Dai	
on         0.0001 g/cm²         ± 0.0005         ± 0.0005           y         ± 0.0002 g/cm²         ± 0.0002           arUNE         ± 0.0002 g/cm²         ± 0.0002           on         ± 0.05 °C         ± 0.01 °C           on         ± 0.02 °C         ± 0.01 °C           cibility         ± 0.02 °C         ± 0.01 °C           signification         Automatic (combined visual – electronic)         Yes (complete visual – electronic)           v         Tr color TFT touchscreen         Yes           ission         Yes           ion         Yes           Agarose gel, cellulose acetate; others optional	1		Comple 100000	
100005 g/cm²	40 Document	0,0001 g/cm³	0.00001 g/cms	
ATURE	10 Description	೯೭	± 0.0005 g/cm³	
ATURE         ± 0.0002 g/cm²         0.01 °C         ± 0.03 °C           on         0.01 °C         ± 0.03 °C         ± 0.01 °C         ± 0.03 °C           y         ± 0.02 °C         ± 0.01 °C         ± 0.01 °C         ± 0.01 °C           cibility         ± 0.02 °C         ± 0.02 °C         ± 0.01 °C         ± 0.01 °C           MPLE VOLUME         approx. 1.5 ml         Approx.         Yes (co           Non-ority         Y         Yes (co         Yes (co           L MODE         Yes         Yes         Yes           ion         Yes         Yes         Yes           Agarose gel, cellulose acetate; others optional         Yes         Yes	_		± 0.0002 g/cm³	
13 TEMPERATURE         13 TEMPERATURE         0.01 °C         ± 0.03 °C           14 Resolution         ± 0.01 °C         ± 0.03 °C         ± 0.03 °C           15 Accuracy         ± 0.02 °C         ± 0.02 °C         ± 0.01 °C           16 Reproducibility         ± 0.02 °C         † 0 month         † 0 month           17 SAMPLE PROCESSING         < 30 sec.         + 0.01 °C	cibility	± 0.0002 g/cm²		
14 Resolution         0.01 °C         ± 0.05 °C         ± 0.05 °C         ± 0.01 °C         ± 0.01 °C         ± 0.02 °C         ± 0.01 °C         ± 0.02 °C         ± 0.02 °C         ± 0.01 °C         The or	13 TEMPERATURE		J. 20 0	
Accuracy         ± 0.05 °C         ± 0.01 °C         ± 0.00 °C           Reproducibility         ± 0.02 °C         ± 0.02 °C         ± 0.01 °C           SAMPLE PROCESSING         < ± 0.02 °C         ± 0.00 °C         < 10 °C           TIME         MIN. SAMPLE VOLUME         approx. 1.5 ml         Approx.         YBoros.           RILLING         By injection         Automatic (combined visual – electronic)         Approx.         YBoros.           BUBBLE DETECTION         Automatic (combined visual – electronic)         Approx.         Yes (company)         Yes (company)           Transmission         Yes         Yes         Yes         Yes           FLUORESCENCE CAPABLE         Optional         Yes         Yes           FLUORESCENCE CAPABLE         Optional         Yes         Yes           MEDIA         Agarose gel, cellulose acetate; others optional         Yes         Yes	14 Resolution	0.01 °C	0 000	
Reproducibility         ± 0.02 °C         < 10	<	0	H 0.00 H	
SAMPLE PROCESSING < 30 Sec.  TIME  MIN. SAMPLE VOLUME approx. 1.5 ml  MIN. SAMPLE VOLUME approx. 1.5 ml  By injection  BUBBLE DETECTION  Automatic (combined visual – electronic)  DISPLAY  OPTICAL MODE  Transmission  Yes  Reflection  Yes  Reflection  Yes  FLUORESCENCE CAPABLE  Optional  MEDIA  Agarose gel, cellulose acetate; others optional		+ 0.00 °C	± 0.01 °C	
SAMPLE PROCESSING < 30 Sec.  TIME  MIN. SAMPLE VOLUME approx. 1.5 ml  MIN. SAMPLE VOLUME approx. 1.5 ml  BUBBLE DETECTION  Automatic (combined visual – electronic)  BUBBLE DETECTION  Automatic (combined visual – electronic)  DISPLAY  OPTICAL MODE  Transmission  Yes  FLUORESCENCE CAPABLE Optional  MEDIA  Agarose gel, cellulose acetate; others optional  MEDIA  Agarose gel, cellulose acetate; others optional	Reproducibility	7 7/0 T	< 10 sec	
MIN. SAMPLE VOLUME approx. 1.5 ml YBoros  FILLING BUBBLE DETECTION BUBBLE DETECTION Automatic (combined visual – electronic) BUBBLE DETECTION Automatic (combined visual – electronic)  OPTICAL MODE Transmission Yes Reflection FLUORESCENCE CAPABLE Optional MEDIA Agarose gel, cellulose acetate; others optional MEDIA  Approx. 1.5 ml Yes Yes Yes YES YES YES		< 30 sec.	220	
MIN. SAMPLE VOLUME  State of the control of the con		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Approx. 1.5 ml	
FILLING       By Injection       By Injection       Yes (condition of the propertion)       Yes (condition)       Yes (con	18 MIN. SAMPLE VOLUME	applox. 1.3 III		
None or None o		By Injection	Yes (combined: visual-electronic)	
optional (25) (LEPO * ) YES	BUBBLE	Automatic (combined visual – electronic)	1 -	
optional South PRO TO SOUTH PRO	21 DISPLAY	7" color TFT touchscreen		(
optional September 1997	22 OPTICAL MODE	X O'BBO		(
optional State of the State of	Transmissi	: –	\	
Optional	llection	Yes		
optional	25 FLUORESCENCE CAPABLE	Optional	YES	
	26 MEDIA	- 1		

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	Desired	YES	
27 LIGHI SOURCE(S)			
20 MONOCHBOMATOR			
of WAMPILICATING na	340, 415, 520, 500, Opional mets		
A F. F. Land Company of the Company			
20 Fluorescence	mine bearing the first transmission of the f	YES	
31 Absorbance	390-770	VEC	
32 REAM CONFIGURATION	Single		
33 PHOTODETECTOR	Hequired		
34 OPTICAL DENSITY	Range between 0 and 4.2	YES	
LINEARITY, OD		VES	
35 SCANNING OPERATION	Automatic		
26 SCANNING SPEEDS.	6 sec/track		
CM/sec (IIVsec)	A. the months		
37 ZEROING	AUCHIBLIO VI IIRINAS		
38 GAIN			
A DIEBI AV	CRT, printer, PC, chartable printout	YES	
SS DOFEN	TO CONTRACT OF THE AND AND CONTRACT OF THE AND AND CONTRACT OF THE	Ethernet 10/100/1000, RS232, SuH-Connector, USB, WLAN***, Modbul	
40 COMPUTER INTERFACE	2 x USB/Ethernet/vvLAN (optional)	-	
41 POWER, VAC	115/220, 60/50 Hz	_	
	YES YES	YES	
42 TRAINING, days	0,0		





## Westergren E.S.R. System

4 CENEDAL DESCRIPTION De marila de la description de la contraction de la contractio	N De monthe Anhan Carrent de la contraction de l	
I GENERAL DESCRIPTION	I GENERAL DESCRIPTION Re-usable tubes for measuring the enythrocyte sedimentation rate (ESK) by	Re-usable tubes for measuring the erythrocyte sedimentation rate (ESR) by
	the Westergren method, and for a support to hold tubes during the	the Westergren method, and for a support to hold be during the set of the tast
	אַפוויסווויסווויסוויסן	percentage of the test
2 NUMBER OF TUBES	30	10
3 NUMBER OF TUBES ON		
RACK		2
4 STAND	BS 2554:19873	
5 TUBE DESCRIPTION:		
6 MARKING		
7 Graduation lines	Clean and of uniform thickness not greater than 0.3 mm	Clean and of uniform thickness not greater than 0.3 mm
8	Graduation lines shall lie in planes at right angles to the axis of each tube, and shall be without irregularity in their spacing	Graduation lines shall lie in planes at right angles to the axis of each ful
9 Scale		graduated in millimetres, shalf ran downwards for at least 150 mm from
10		There shall be a distance of 1 cm between the contres of adjacent gra-
11	The lengths of graduation lines shall be varied so as to distinguish clearly every tenth line and every intermediate fifth line as follows.	YES
12	<ul> <li>a) The length of the short lines shall be not less than 10 % and not more than 20 % of the circumference of the tube.</li> </ul>	YES
13	<ul> <li>b) The length of the medium lines shall be approximately 1.5 times the length of the short lines. They shall extend symmetrically at each end beyond the ends of the short lines.</li> </ul>	YES
14	<ul> <li>c) The length of the long lines shall be approximately twice the length of the short lines. They shall extend symmetrically at each end beyond the ends of the short and medium lines.</li> </ul>	YES
15 Figuring of graduation lines	Every tenth (long) graduation line shall be figured	YES
16	Figures shall be at least 2 mm high and shall be placed immediately above the long line and not more than 1 mm to the right of the adjacent short graduation lines.	YES
17 Inscriptions	17 Inscriptions The following inscriptions shall be marked on the tube and/or on the support:	C C C C C C C C C C C C C C C C C C C
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The inscrip when the t a) the sym b) the temp c) the mak d) the num Additionall Markings s The tube s free from in The word d) the word d) the word d) the mak f) an ident g) the nun ES 300 ± 1 300 ± 1			
a) the symbol 'mm" above '0" on the scale: b) the temperature "20 ± 3 °C"; c) the maker's and/or vendor's mark or name; d) the number and date of this British Standard, i.e. BS 2554:19871). Additionally the inscription "re-usable Westergren ESR tube" may be marked. Markings shall be made from transparent, thick-walled glass tubing complying with class HGB 3 or better of BS 3473-2.  The tube shall be made from transparent, thick-walled glass tubing complying with class HGB 3 or better of BS 3473-2.  The tube shall be free from defects which impair observation of the top of the column of blood and the top of the red cell layer.  The upper end of the tube shall be ground smooth and square with the axis of the tube, and shall be slightly bevelled.  The lower end of the tube shall be tapered as shown in Figure 2, and the tapered portion shall be firely ground or polished.  The specified bore of the tube shall be maintained throughout, and shall not be drawn down to form the jet teach package of re-usable Westergren tubes shall be clearly labelled with at least the following information.  a) the words "Re-usable Westergren ESR tubes": b) the temperature "20 ± 3 °C"; c) the words "Wash before use in acetone/water"; d) the words "Wash before use in acetone/water"; f) an identifying reference to the batch of manufacture; g) the number and date of this British Standard, i.e. BS 2554:19873).  300 ± 1  6.5 ± 0.5	18		
b) the temperature "20 ± 3 °C; c) the maker's and/or vendor's mark or name; d) the number and date of this British Standard, i.e. BS 2554:19871).  Additionally the inscription "re-usable Westergren ESR tube" may be marked. Markings shall be clean and permanent.  The tube shall be made from transparent, thick-walled glass tubing complying with class HCB 3 or better of BS 3473-2.  The tube shall be free from defects which impair observation of the top of the ube shall be free from defects which impair observation of the top of the column of blood and the top of the red cell layer.  The upper end of the tube shall be ground smooth and square with the axis of the tube, and shall be slightly bevelled. The lower end of the tube shall be maintained throughout, and shall not be drawn down to form the jack and shall be slightly bevelled. The specified bore of the tube shall be maintained throughout, and shall not be drawn down to from the jack.  The upper modern for from the jack and shall be clearly labelled with at least the following information.  a) the words "Re-usable Westergren ESR tubes".  b) the temperature "20 ± 3 °C; c) the words "Wash before use in acetone/water".  d) the words "Wash before use in acetone/water".  g) the number and date of this British Standard, i.e. BS 2554:19873).  g) the number and date of this British Standard, i.e. BS 2554:19873.		a) the symbol "mm" above "0" on the	YES
c) the maker's and/or vendor's mark or name; d) the number and date of this British Standard, i.e. BS 2554:19871).  Additionally the inscription "re-usable Westergren ESR tube" may be marked. Markings shall be clean and permanent.  The tube shall be made from transparent, thick-walled glass tubing complying with class HGB 3 or better of BS 3473-2.  The tube should be as free as possible from visible defects and reasonably free from internal stress.  The tube shall be free from defects which impair observation of the top of the column of blood and the top of the red cell layer.  The upper end of the tube shall be ground smooth and square with the axis of the tube, and shall be slightly bevelled.  The lower end of the tube shall be maintained throughout, and shall not be drawn down to form the jet.  Each package of re-usable Westergren tubes shall be clearly labelled with at least the following information a) the words "Re-usable Westergren ESR tubes". b) the temperature "20 ± 3 °C"; c) the words "Wash before use in acetone/water"; d) the words "Disinfect after use"; e) the maker's and/or vendor's name or mark; f) an identifying reference to the batch of manufacture; g) the number and date of this British Standard, i.e. BS 2554:19873). 300 ± 1 6.5 ± 0.5			YES
d) the number and date of this British Standard, i.e. BS 2554:19871).  Additionally the inscription 're-usable Westergren ESR tube" may be marked. Markings shall be clean and permanent  The tube shall be made from transparent, thick-walled glass tubing complying with class HGB 3 or better of BS 3473-2.  The tube shall be made from defects which impair observation of the top of free from internal stress.  The upper and of the tube shall be finely ground smooth and square with the axis of the tube, and shall be shall be tapered as shown in Figure 2, and the tapered portion shall be finely ground or polished  The specified bore of the tube shall be maintained throughout, and shall not be drawn down to form the jet  Each package of re-usable Westergren tubes shall be clearly labelled with at least the following information  a) the words "Re-usable Westergren ESR tubes":  b) the temperature "20 ± 3 °C;  c) the words "Wash before use in acctione/water";  d) the words "Wash before use in acctione/water";  e) the maker's and/or vendor's name or mark;  f) an identifying reference to the batch of manufacture:  g) the number and date of this British Standard, i.e. BS 2554(19873).  300 ± 1  6.5 ± 0.5		c) the maker's and/or vendor's mark or name;	YES
Additionally the inscription "re-usable Westergren ESR tube" may be marked. Markings shall be clean and permanent  The tube shall be made from transparent, thick-walled glass tubing complying with class HGB 3 or better of BS 3473-2.  The tube shall be made from defects which impair observation of the top of free from internal stress.  The upper end of the tube shall be ground smooth and square with the axis of the tube, and shall be shall be fapered as shown in Figure 2, and the tapered portion shall be finely ground or polished  The specified bore of the tube shall be maintained throughout, and shall not be drawn down to form the jet  Each package of re-usable Westergren tubes shall be clearly labelled with at least the following information  a) the words "Re-usable Westergren ESR tubes":  b) the temperature "20 ± 3 °C";  c) the words "Wash before use in acetone/water";  d) the words "Wash before use in acetone/water";  e) the maker's and/or vendor's name or mark;  f) an identifying reference to the batch of manufacture:  g) the number and date of this British Standard, i.e. BS 2554(19873).  300 ± 1  6.5 ± 0.5	22	h Standard, i.e. BS	YES
Markings shall be clean and permanent  The tube shall be made from transparent, thick-walled glass tubing complying with class HGB 3 or better of BS 3473-2.  The tube should be as free as possible from visible defects and reasonably free from internal stress.  The tube shall be free from defects which impair observation of the top of the tube shall be free from defects which impair observation of the top of the red cell layer. The upper end of the tube shall be ground smooth and square with the axis of the tube, and shall be slightly bevelled. The lower end of the tube shall be tapered as shown in Figure 2, and the tapered portion shall be finely ground or polished. The specified bore of the tube shall be maintained throughout, and shall not be drawn down to form the jet.  Each package of re-usable Westergren tubes shall be clearly labelled with at least the following information.  a) the words "Re-usable Westergren ESR tubes":  b) the temperature "20 ± 3 °C";  c) the words "Wash before use in acetone/water";  d) the words "Disinfect after use";  e) the maker's and/or vendor's name or mark;  f) an identifying reference to the batch of manufacture;  g) the number and date of this British Standard, i.e. BS 2564:19873).  300 ± 1  6.5 ± 0.5	23	Additionally the inscription "re-usable Westergren ESR tube" may be marked.	YES
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The tube should be as free as possible from visible defects and reasonably free from internal stress.  The tube shall be free from defects which impair observation of the top of the column of blood and the top of the red cell layer.  The upper end of the tube shall be ground smooth and square with the axis of the tube, and shall be slightly bevelled.  The lower end of the tube shall be tapered as shown in Figure 2, and the tapered portion shall be finely ground or polished.  The specified bore of the tube shall be maintained throughout, and shall not be drawn down to form the jet.  Each package of re-usable Westergren tubes shall be clearly labelled with at least the following information.  a) the words "Re-usable Westergren ESR tubes":  b) the temperature "20 ± 3 °C";  c) the words "Wash before use in acetone/water";  d) the maker's and/or vendor's name or mark;  f) an identifying reference to the batch of manufacture;  g) the number and date of this British Standard, i.e. BS 2554:19873).  300 ± 1.  6.5 ± 0.5		The tube shall be made from transparent, thick-walled complying with class HGB 3 or better of BS 3473-2.	YES
The tube shall be free from defects which impair observation of the top of the column of blood and the top of the red cell layer.  The upper end of the tube shall be ground smooth and square with the axis of the tube, and shall be slightly bevelled.  The lower end of the tube shall be tapered as shown in Figure 2, and the tapered portion shall be finely ground or polished.  The specified bore of the tube shall be maintained throughout, and shall not be drawn down to form the jet.  Each package of re-usable Westergren tubes shall be clearly labelled with at least the following information.  a) the words "Re-usable Westergren ESR tubes":  b) the temperature "20 ± 3 °C";  c) the words "Wash before use in acetone/water";  d) the words "Disinfect after use";  e) the maker's and/or vendor's name or mark;  f) an identifying reference to the batch of manufacture;  f) an identifying reference to the batch of manufacture;  g) the number and date of this British Standard, i.e. BS 2554:19873).		. —	YES
The upper end of the tube shall be ground smooth and square with the axis of the tube, and shall be slightly bevelled  The lower end of the tube shall be tapered as shown in Figure 2, and the tapered portion shall be finely ground or polished  The specified bore of the tube shall be maintained throughout, and shall not be drawn down to form the jet  Each package of re-usable Westergren tubes shall be clearly labelled with at least the following information  a) the words "Re-usable Westergren ESR tubes":  b) the temperature "20 ± 3 °C";  c) the words "Wash before use in acetone/water";  d) the words "Disinfect after use";  e) the maker's and/or vendor's name or mark;  f) an identifying reference to the batch of manufacture;  g) the number and date of this British Standard, i.e. BS 2554:19873).		The tube shall be free from defects the column of blood and the top of	YES
The lower end of the tube shall be tapered as shown in Figure 2, and the tapered portion shall be finely ground or polished  The specified bore of the tube shall be maintained throughout, and shall not be drawn down to form the jet  Each package of re-usable Westergren tubes shall be clearly labelled with at least the following information  a) the words "Re-usable Westergren ESR tubes":  b) the temperature "20 ± 3 °C";  c) the words "Usinfect after use";  d) the words "Disinfect after use";  e) the maker's and/or vendor's name or mark;  f) an identifying reference to the batch of manufacture;  g) the number and date of this British Standard, i.e. BS 2554:19873).	i	The upper end of the tube shall be of the tube, and shall be	YES
The specified bore of the tube shall be maintained throughout, and shall not be drawn down to form the jet.  Each package of re-usable Westergren tubes shall be clearly labelled with at least the following information  a) the words "Re-usable Westergren ESR tubes":  b) the temperature "20 ± 3 °C";  c) the words "Wash before use in acetone/water";  d) the words "Disinfect after use";  e) the maker's and/or vendor's name or mark;  f) an identifying reference to the batch of manufacture;  g) the number and date of this British Standard, i.e. BS 2554:19873).	30		YES
Each package of re-usable Westergren tubes shall be clearly labelled with at least the following information  a) the words "Re-usable Westergren ESR tubes":  b) the temperature "20 ± 3 °C";  c) the words "Wash before use in acetone/water";  d) the words "Disinfect after use";  e) the maker's and/or vendor's name or mark;  f) an identifying reference to the batch of manufacture;  g) the number and date of this British Standard, i.e. BS 2554:19873).	31	The specified bore of the tube shall be drawn down to form the jet	YES
a) the words "Re-usable Westergren ESR tubes": b) the temperature "20 ± 3 °C"; c) the words "Wash before use in acetone/water"; d) the words "Disinfect after use"; e) the maker's and/or vendor's name or mark; f) an identifying reference to the batch of manufacture; g) the number and date of this British Standard, i.e. BS 2554:19873). 300 ± 1 6.5 ± 0.5	Labellin	Each package of re-usable Westerg least the following information	YES
b) the temperature "20 ± 3 °C"; c) the words "Wash before use in acetone/water"; d) the words "Disinfect after use"; e) the maker's and/or vendor's name or mark; f) an identifying reference to the batch of manufacture; g) the number and date of this British Standard, i.e. BS 2554:19873). 300 ± 1 6.5 ± 0.5	33	a) the words "Re-usable Westergren	YES
c) the words "Wash before use in acetone/water"; d) the words "Disinfect after use"; e) the maker's and/or vendor's name or mark; f) an identifying reference to the batch of manufacture; g) the number and date of this British Standard, i.e. BS 2554x19873). 300 ± 1 6.5 ± 0.5	34	b) the temperature "20 $\pm$ 3 °C";	YES
d) the words "Disinfect after use"; e) the maker's and/or vendor's name or mark; f) an identifying reference to the batch of manufacture; g) the number and date of this British Standard, i.e. BS 2554:19873). 300 ± 1 6.5 ± 0.5	35	c) the words "Wash before use in acetone/water";	YES
e) the maker's and/or vendor's name or mark;  f) an identifying reference to the batch of manufacture;  g) the number and date of this British Standard, i.e. BS 2554x19873).  300 ± 1  6.5 ± 0.5	36		YES
f) an identifying reference to the batch of manufacture; g) the number and date of this British Standard, i.e. BS 2554x19873). 300 ± 1 6.5 ± 0.5		e) the maker's and/or vendor's name or mark;	NES SE
g) the number and date of this British Standard, i.e. BS 2554x19873).  300 ± 1 6.5 ± 0.5	38		/YES
40 DIMENSIONS OF TUBES 41 Overall length 300 ± 1 42 External diameter 6.5 ± 0.5	39	g) the number and date of this British Standard, i.e. BS 2	<i>≱</i> FS
300 ± 1 6.5 ± 0.5			
External diameter 6.5 ± 0.5	41 Overall length		300±1
	External diame	6.5 ± (	6.5±0.5

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+	
\nnex	

45 Length of measuring 200 ± 1  45 Length of measuring 200 ± 1  46 Length of measuring 200 ± 1  46 Length of genering 6 ± 2  47 Pearl thickness of orifice: at least 0.5  48 SUPPORT FOR  49 SUPPORT FOR  49 SUPPORT FOR  49 Construction Middly one or several Westegraen tubes, and shall be fitted with either a plumo-line or spirite-welt. The support shall stand on three feet, two of which shall be adjustable.  50 When erythrocyte sedimentation rates are to be measured against scales marked on the support, the scales shall be provided on the support, froot rate of scales figuring and fisciptions shall be provided on the support, froot which it is able to withstand repeated disinfection in the isboardow.  52 Graduation and figuring 3 Scales, figuring and rascriptions shall be provided on the support, froot marked on a support they shall be provided on the support, froot marked on a support shall be provided on the support, froot which it refers in such a way that an extension of the line would bisect the figure 1 mm froot met gith-hand end of the graduation line to which it refers in such a way that an extension of the line would bisect the figure 1 mm froot met gith-hand and of the graduation line to which it refers in such a way that an extension of the line would bisect the figure 1 mm froot met gith-hand end of the graduation line to which it refers in such a way that an extension of the line would bisect the figure 1 mm from the inschiptions shall comply with clauses 1 market in the dishification of the support after use.  57 All the recommended method for the dishification of the support after use.  58 THAINING 0  59 THAINING 0  50 THAINING 0  50 THAINING 0  50 THAINING 0  51 THAINING 0  52 THAINING 0  53 THAINING 0  54 THAINING 0  55 THAINING 0  56 THAINING 0  57 THAINING 0  58 THAINING 0  59 THAINING 0  50 THAINING 0  51 THAINING 0  52 THAINING 0  53 THAINING 0  54 THAINING 0  55 THAINING 0  56 THAINING 0  57 THAINING 0  58 THAINING 0  59 THAINING 0	43 Internal diameter (bore)	2.55 ± 0.15	2.55 ± 0.15
6 ± 2  METAL. The support shall be a rigid structure having clips or holes to hold rigidly one or several Westergren tubes, and shall be fitted with either a plumb-line or spirit-level. The support shall stand on three feet, two of which shall be adjustable.  When erythrocyte sedimentation rates are to be measured against scales marked on the support, the scales shall be marked on a surface fixed vertically behind the tubes and not more than 4 mm from each tube.  The support shall be constructed of such materials, and in such a way, that it is able to withstand repeated disinfection in the laboratory.  Scales, figuring and inscriptions shall be provided on the support, if not marked on the support shall be permanent  When scales are provided on a support they shall be fixed behind every tube, within 4 mm of the tube  Every figure shall be at least 2 mm high, and shall be placed not more than 1 mm from the right-hand end of the graduation line to which it refers in such a way that an extension of the line would bisect the figure linscriptions shall comply with clause  a) the inscription westergren ESR".	44 Ovality of bore		less than 0.1
is at least 0.5  METAL. The support shall be a rigid structure having clips or holes to hold rigidly one or several Westergren tubes, and shall be fitted with either a plumb-line or spirit-level. The support shall stand on three feet, two of which shall be adjustable.  When erythrocyte sedimentation rates are to be measured against scales marked on the support, the scales shall be marked on a surface fixed vertically behind the tubes and not more than 4 mm from each tube.  The support shall be constructed of such materials, and in such a way, that it is able to withstand repeated disinfection in the laboratory.  Scales, figuring and inscriptions shall be provided on the support, if not marked on the support shall be permanent  When scales are provided on a support they shall be fixed behind every tube, within 4 mm of the tube  Every figure shall be at least 2 mm high, and shall be placed not more than 1 mm from the right-hand end of the graduation line to which it refers in such a way, that an extension of the line would bisect the figure  Inscriptions shall comply with clause  a) the recommended method for the disinfection of the support after use;  b) the inscription "Westergren ESR".	45 Length of measuring part:		200 ± 1
METAL. The support shall be a rigid structure having clips or holes to hold rigidly one or several Westergren tubes, and shall be fitted with either a plumb-line or spirit-level. The support shall stand on three feet, two of which shall be adjustable.  When erythrocyte sedimentation rates are to be measured against scales marked on the support, the scales shall be marked on a surface fixed vertically behind the tubes and not more than 4 mm from each tube.  The support shall be constructed of such materials, and in such a way, that it is able to withstand repeated disinfection in the laboratory.  Scales, figuring and inscriptions shall be provided on the support, if not marked on the tubes.  Markings on the support shall be permanent  When scales are provided on a support they shall be fixed behind every tube, within 4 mm of the tube  Every figure shall be at least 2 mm high, and shall be placed not more than 1 mm from the right-hand end of the graduation line to which it refers in such a way that an extension of the line would bisect the figure Inscriptions shall comply with clause  a way that an extension of the line would bisect the figure Inscriptions shall comply with clause  a) the recommended method for the disinfection of the support after use;  b) the inscription "Westergren ESR".	46 Length of tapering portion:		6±2
METAL. The support shall be a rigid structure having clips or holes to hold rigidly one or several Westergren tubes, and shall be fitted with either a plumb-line or spirit-level. The support shall stand on three feet, two of which shall be adjustable.  When erythrocyte sedimentation rates are to be measured against scales marked on the support, the scales shall be marked on a surface fixed vertically behind the tubes and not more than 4 mm from each tube.  The support shall be constructed of such materials, and in such a way, that it is able to withstand repeated disinfection in the laboratory.  Scales, figuring and inscriptions shall be provided on the support, if not marked on the tubes.  Markings on the support shall be permanent When scales are provided on a support they shall be fixed behind every tube, within 4 mm of the tube  Every figure shall be at least 2 mm high, and shall be placed not more than 1 mm from the right-hand end of the graduation line to which it refers in such a way that an extension of the line would bisect the figure inscriptions shall comply with clause  a) the recommended method for the disinfection of the support after use;  b) the inscription "Westergren ESR".	Wall thickness of		YES
METAL. The support shall be a rigid structure having clips or holes to hold rigidly one or several Westergren tubes, and shall be fitted with either a plumb-line or spirit-level. The support shall stand on three feet, two of which shall be adjustable.  When erythrocyte sedimentation rates are to be measured against scales marked on the support, the scales shall be marked on a surface fixed vertically behind the tubes and not more than 4 mm from each tube.  The support shall be constructed of such materials, and in such a way, that it is able to withstand repeated disinfection in the laboratory.  Scales, figuring and inscriptions shall be provided on the support, if not marked on the tubes.  Markings on the support shall be permanent  When scales are provided on a support they shall be fixed behind every tube, within 4 mm of the tube  Every figure shall be at least 2 mm high, and shall be placed not more than 1 mm from the right-hand end of the graduation line to which it refers in such a way that an extension of the line would bisect the figure Inscriptions shall comply with clause  a) the recommended method for the disinfection of the support after use;  b) the inscription "Westergren ESR".	SUPPORT FOR WESTERGREN TU		YES
When erythrocyte sedimentation rates are to be measured against scales marked on the support, the scales shall be marked on a surface fixed vertically behind the tubes and not more than 4 mm from each tube.  The support shall be constructed of such materials, and in such a way, that it is able to withstand repeated disinfection in the laboratory.  Scales, figuring and inscriptions shall be provided on the support, if not marked on the tubes,  Markings on the support shall be permanent  When scales are provided on a support they shall be fixed behind every tube, within 4 mm of the tube  Every figure shall be at least 2 mm high, and shall be placed not more than 1 mm from the right-hand end of the graduation line to which it refers in such a way that an extension of the line would bisect the figure  Inscriptions shall comply with clause  a) the recommended method for the disinfection of the support after use;  b) the inscription "Westergren ESR".	<u> </u>	METAL. The support shall be a rigid structure having clips or holes to hold rigidly one or several Westergren tubes, and shall be fitted with either a plumb-line or spirit-level. The support shall stand on three feet, two of which shall be adjustable.	YES
The support shall be constructed of such materials, and in such a way, that it is able to withstand repeated disinfection in the laboratory.  Scales, figuring and inscriptions shall be provided on the support, if not marked on the tubes,  Markings on the support shall be permanent  When scales are provided on a support they shall be fixed behind every tube, within 4 mm of the tube  Every figure shall be at least 2 mm high, and shall be placed not more than 1 mm from the right-hand end of the graduation line to which it refers in such a way that an extension of the line would bisect the figure lnscriptions shall comply with clause  a) the recommended method for the disinfection of the support after use;  b) the inscription "Westergren ESR".			YES
Scales, figuring and inscriptions shall be provided on the support, if not marked on the tubes,  Markings on the support shall be permanent  When scales are provided on a support they shall be fixed behind every tube, within 4 mm of the tube  Every figure shall be at least 2 mm high, and shall be placed not more than 1 mm from the right-hand end of the graduation line to which it refers in such a way that an extension of the line would bisect the figure Inscriptions shall comply with clause  a) the recommended method for the disinfection of the support after use;  b) the inscription "Westergren ESR".			YES
Markings on the support shall be permanent  When scales are provided on a support they shall be fixed behind every tube, within 4 mm of the tube  Every figure shall be at least 2 mm high, and shall be placed not more than 1 mm from the right-hand end of the graduation line to which it refers in such a way that an extension of the line would bisect the figure Inscriptions shall comply with clause a) the recommended method for the disinfection of the support after use; b) the inscription "Westergren ESR".	52 Graduation and figuring	Scales, figuring and inscriptions shall be provided on the support, if not marked on the tubes,	YES
When scales are provided on a support they shall be fixed behind every tube, within 4 mm of the tube  Every figure shall be at least 2 mm high, and shall be placed not more than 1 mm from the right-hand end of the graduation line to which it refers in such a way that an extension of the line would bisect the figure Inscriptions shall comply with clause a) the recommended method for the disinfection of the support after use; b) the inscription "Westergren ESR".		Markings on the support shall be permanent	YES
Every figure shall be at least 2 mm high, and shall be placed not more than 1 mm from the right-hand end of the graduation line to which it refers in such a way that an extension of the line would bisect the figure Inscriptions shall comply with clause a) the recommended method for the disinfection of the support after use; b) the inscription "Westergren ESR".	Scales	When scales are provided on a support they shall be fixed behind every tube, within 4 mm of the tube	YES
Inscriptions shall comply with clause a) the recommended method for the disinfection of the support after use; b) the inscription "Westergren ESR".	Figuring	Every figure shall be at least 2 mm high, and shall be placed not more than 1 mm from the right-hand end of the graduation line to which it refers in such a way that an extension of the line would bisect the figure	YES
a) the recommended method for the disinfection of the support after use; b) the inscription "Westergren ESR".	56 Inscriptions	Inscriptions shall comply with clause	YES
b) the inscription "Westergren ESR". 0	57		YES
0	58		YES
	59 TRAINING	0	X



### **HEATING BLOCK**

1 DESCRIPTION	3lock Hea	Model: HB96D-SET(DAIHAN -KOREA)
2 UMDNS	15-501	
3 CE MARK (MDD)	Yes	
4 NUMBER OF BLOCKS	<b>S</b> 3	2
5 TEMPERATURE RANGE	Ambient +5°C to 200°C	
6 TEMPERATURE STABILITY ± 0.1°C		
AI 37°C		
7 UNIFORMITY WITHIN BLOCK ± 0.1°C	<b>〈</b> ±0.1°C	7°7
AT 37°C		)
8 UNIFORMITY WITHIN BLOCK	8 UNIFORMITY WITHIN BLOCK ± 1°C	
AT 130°C	) - · )	
9 DISPLAY RESOLUTION	0.1°C	YES
10 DISPLAY TYPE	10 DISPLAY TYPE Digital	YES
11 HEATER POWER	<b>VER</b> ca 450W	
12 ELECTRICAL SUPPLY	230V, 50-60Hz	230V, 50-60Hz
13 TRAINING, days	0,25	





[Manufacturer Name/Model Name/ Version Name]	/ersion Name]	
1 PURPOSE	w hoods to be used for rou The cabin has to precisely or ing routine microbiological f	MODEL : LVG-4AG-F8 (ESCO- SINGAPORE)
	maintaining a controlled environment for the specifien.	SEA.
2 CE MARKED	Yes	
3 CLASSIFICATION	Class I	Class I
4 TYPE	Laminar Airliow Hoods	Laminar Airflow Hoods
5 CONFIGURATION		Freestanding
6 INWARD AIRFLOW, fpm		
7 AVERAGE AIR FLOW	0.3 m/s ∼ 0.5 m/s	
SPEED		
8 AIR QUALITY	class 100	
9 AIRFLOW VOLUME	9 AIRFLOW VOLUME	
10 Inflow (m3/h)	900 - 1000	
11 Down flow (m3/h)		1.2 METER
12 FILTER TECHNOLOGY		899.39%, at 0.1 to 0.3 micron, ULPA as per IEST-RP-CC001.3 USA>96
13 SOUND EMISSION	< 60 dB	
14 MOTOR Adjustable speed	Yes	YES
15 SELF-TEST	Yes	YES
16 ADJUSTABLE SASH	Yes	YES
17 Type	Sliding, Limited locking	Sliding, Limited locking
18 ACCESS OPENING HEIGHT,	20-80	50-80
cm		
19 WORKING OPENING, cm	s, cm 20	70
20 INLET/OUTLET VALVES	Yes	YES
21 DRAIN OPENING	Yes	YES
22 ELECTRICAL OUTLETS	Yes	YES
23 MATERIAL	MATERIAL	
24 Frame and case	Stainless Steel, Painted, antimicrobial	Stainless Steel, Painted, antimicrobial
25 WORK AREA	900×500×600 mm	1270 x 739 x 689 mm
DIMENSION, mm	DIMENSION, mm	
ဖ		
27 Microp	Yes	YES
28 Typology	gy Touchpad	Louchpad

YES YES YES YES YES YES YES YES YES 1 1	30 Fan control	an control Yes	YES
32 UV control         Yes           33 ILLUMINATION         > 350 lux           34 ALARMS/INDICATORS         Yes           35 Sash Open         Yes           36 Airflow         Yes           37 U Light On         Yes           38 Accessories         Yes           39 Stand         Yes           40 Cabinet light         fluorescent         fluorescent           41 Waterproof Socke         2         2           42 UV Light         YES         YEIS           43 Spare Filters         1         YEIS           44 TRANING         0,5         1	31 Light control	Yes	YES
33 ILLUMINATION         > 350 lux           34 ALARNS/INDICATORS         Yes         YES           35 Sash Open         Yes         YES         YES           36 Airflow         Yes         YES         YES           37 UV Light On         Yes         YES         YES           38 ACCESSORIES         YES         YES         YES           40 Cabinet light         fluorescent         fluorescent         Landing         YES           41 Water proof Socke         2         YEIS         YEIS           42 UV Light         YES         YEIS         YEIS           43 Spare Filters         1         THAINING         0,5	32 UV control	Yes	YES
34 ALARMIS/INDICATORS         34 ALARMIS/INDICATORS           35 Sash Open         Yes           36 Airflow         Yes           37 UV Light On         Yes           38 ACCESSORIES         Yes           39 Stand         Yes           40 Cabinet light         fluorescent           41 Waterproof Socke         2           42 UV Light         YES           42 UV Light         YES           43 Spare Filters         1           44 TRAINING         0,5	33 ILLUMINATION	> 350 lux	
35 Sash Open         Yes         YES           36 Airflow         Yes         YES           37 UV Light On         Yes         YES           38 ACCESSORIES         YES         YES           40 Cabinet light         fluorescent         Increscent         L           41 Waterproof Socke         2         2         2           42 UV Light         YES         YE1S         YE1S           43 Spare Filters         1         YE1S         YE1S           44 TRANING         0,5         1	34 ALARMS/INDICATORS		
36 Airflow         Yes         YES         ACESSORIES         YES         ACESSORIES         YES         ACESSORIES         ACESSOR	35 Sash Open	Yes	YES
37 UV Light On         Yes           38 ACCESSORIES         Yes           39 Stand         YES           40 Cabinet light         fluorescent         fluorescent           41 Waterproof Socke         2         2           42 UV Light         YES         YES           43 Spare Filters         1         YES           44 TRAINING         0,5         PES	irflow	Yes	YES
38 ACCESSORIES           39 Stand         Yes         YES         Ituorescent         Ituorescent         At Waterproof Socke         2         2         2         42 UV Light         YES         YES         43 Spare Filters         1         At TRAINING         0,5         44 TRAINING         TRAINING         Control         A Description         A Description <t< td=""><td>ght On</td><td>Yes</td><td>YES</td></t<>	ght On	Yes	YES
39 Stand         Yes           40 Cabinet light         fluorescent         fluorescent           41 Waterproof Socke         2         2           42 UV Light         YES         YE1S           43 Spare Filters         1         TRAINING         0,5	SSORIES		
40 Cabinet light         fluorescent         fluorescent           41 Waterproof Socke         2         2           42 UV Light         YES         YE1S           43 Spare Filters         1         1           44 TRAINING         0,5	39 Stand	Yes	
41 Waterproof Socke       2         42 UV Light       YES         43 Spare Filters       1         44 TRAINING       0,5	40 Cabinet light	fluorescent	fluorescent
42 UV Light         YES         YES           43 Spare Filters         1         1           44 TRAINING         0,5         6,5	41 Waterproof Socke	2	2
43 Spare Filters       1         44 TRAINING       0,5	42 UV Light	YES	_
44 TRAINING 0,5	6		
	44 TRAINING	0,5	





### INCUBATOR, AEROBIC

[Manufacturer Name/Model Name/ Version Name]	Version Name]	
1 GENERAL DESCRIPTION	Device used to grow and maintain microbiological cultures or cell cultures. The incubator shall maintain optimal temperature, humidity and other conditions oxygen content of the atmosphere inside. To be used for experimental work in cell biology, microbiology and molecular biology and to culture both bacterial and eukaryotic cells.	Model : ThermoStable IG-50,( DAIHAN-KOR EA )
2 UMDNS	15-151	
3 FDA CLEARANCE	Yes	YES
4 CE MARK (MDD)	Yes	YES
5 VOLUME	60 Liters	50 LITER
6 TEMP RANGE [° C]	5-80°C	1.2-50°C
7 TEMP VARIATION AT 37 ° C [± K]	0,3	37 ° C [± K] 0.3
8 TEMP FLUCTUATION AT 37 ° 0.1	9 0,1	
(2 手) 2		C[+C]
9 HEATING TIME TO 37 ° C	55	20 MIN 37C. 40 MIN 50C
MIMINI THE PROPERTY OF THE PRO	- 1	
S OPENING THE DOOR AT	15	
		30 S OPENING THE DOOR AT 37 ° C [MIN] 15
11 ELECTRICAL DATA		
	230	230
13 Mains Frequency [Hz]	50/60 60	50/60 60
14 NUMBER OF DOORS		
15 EXTERNAL DOORS	1	1
16 INTERNAL VOLUME [L]	60 Liters	50 LITER
18 INTERNAL STRUCTURES		
19 NUMBER OF SHELVES	2	
(STANDARD / MAX) 2/5		included zea of rolyetrylene coated Steel Wire Shelves
20 TRAINING	0,25	OK



### MICROSCOPE, LIGHT

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The second secon			The second secon	
1 GENERAL DESCRIPTION		ratories or hospitals to examine body fluids, e of the following contrast methods: brightfield, zed light. (ref Model OLYMPUS CX23)	MODEL :CXL (LABOMED - USA )	
~	12-536			
3 CE MARK (MDD)	CE MARK (MDD) Yes		YES	
4 OBSERVATION TUBES	OBSERVATION TUBES			
5 Binocular	Yes		YES	
6 Trinocular	Optional		YES	
7 Eyepieces	10x, 15x wide-field		YES	
8 Interpupillary distance adjus Adjustable 48-75	<b>us</b> Adjustable 48-75		YES	
9 NOSEPIECE	:			
10 Configuration	Quadruple		YES	
11 Objectives Magnification 4x	4x, 10x, 20x, 40x, 50x (oil), 60x, 100x (oil)		4x, 10x, 20x, 40x, 50x (oil), 60x, 100x (oil)	
12 Type	Achromatic/apochromatic		Achromatic/apochromatic	
13 CONTRAST METHODS:				
14 Brightfield			YES	
5 Phase	Yes		YES	
:	Yes		YES	
Polarization	Yes		YES	
18 ILLUMINATION				
19 Condenser type:	Focusable		Focusable	
20 Numerical aperture:	1,25		1,25	
21 Light source:	LED; variable intensity; separate on/off switch		LED; variable intensity; separate on/off switch	
22 TOTAL MAGNIFICATION	40x - 1000x		40x - 1000x	
23 STAND				
24 Focusing mechanism	Moving stage, continuous fine focus		Moving stage, continuous fine focus	
25 Coarse, fine adjustments	Coarse, fine adjustments Coaxial with scale for fine focus		Coaxial with scale for fine focus	
26 STAGE	18.0	MEUR		
27 Type	Mechanical, graduated		Mechanical, graduated	
	ر را جا الله الله الله الله الله الله الله		Yes	
29 Motion, X-Y, mm	75 × 50	A	75×50	
30 CABINET	Optional	GE M	YES	
31 DUST COVER	R Yes Yes		YES	
		977		

32 INTERNATIONAL	EN 61000-4-8: Leyvel 3	<u> </u>	
STANDARDS	STANDARDS	2	
33 AFTER SALE, Interv/Year		YES	
34 TRAINING	0,25	YES	
34 TRAINING	34 TRAINING 0,25	ES.	





## PH METER, BENCHTOP

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	1		
	A pH meter for measuring the pH (acidity or alkalinity) of a liquid consisting of a		
1 GENERAL DESCRIPTION	measuring probe (a glass electrode) connected to an electronic meter that measures and displays the pH reading	Model: 3510( JENWAY - UK )	
2 UMDNS	15-164		
3 CE MARK (MDD)	Yes	YES	
4 METHOD	Direct reading With the Ion Sensitive Field Effect Transistor (ISFET)	YES	
5 ELECTRODES	Standard glass	YES	
6 MOUNTING	Flexible support arm	YES	
7 CALIBRATION POINT	Min. 3 calibration points	YES	
8 AUTOMATIC BUFFER	Yes	YES	
O RANGE		100000	
10 pH	0 14	10 00 00 00 00 00 00 00 00 00 00 00 00 0	
	0 ±1800	-2 000 to +19 999	
perature	0 100 °C	-10 to 105°	
_		0.1°C	
14 pH	≤ 0.01	YES	
15 mV	≤ 0.1	YES	
16 Temperature ≤	≤ 0.1 °C	YES	
17 ACCURACY		±0.003	
18 pH	±0.01	YES	
19 mV	± 0.5	YES	
20 Temperature	± 0.4 °C	YES	
21 TEMPERATURE COMPENSATION	0 105 °C	-10 to 105°	
22 SLOPE CONTROL	automatically from 90 105%	YES	
23 DISPLAY	ГС	rcd	
24 POWER SUPPLY	220 - 240 V, 50 - 60 Hz	220 - 240 V, 50 - 60 Hz	
25 WARRANTY	12 months warranty period	24 MONTH	
26 DOCUMENTATION	User and service manuals, two copies, hard and Soft, EN	YES	
27 TRAINING	0,5	YES	
	\(\frac{1}{2}\)	+	



## PIPETTES, MULTICHANNEL

1 GENERAL DESCRIPTION	Multichannel pipette	MODEL: CP,(50-300UL), RATIOLAB - GERMANY	
2 N. CHANNELS	2 N. CHANNELS 8	8	
3 DISPLAY	3 DISPLAY Digital with backlight	Digital with backligh	
4 MATERIAL	4 MATERIAL Hard Plastic	Hard Plastic	
5 AUTOCALIBRATION	5 AUTOCALIBRATION YES YES	YES	
6 VOLUME RANGE, TYPE 1	6 VOLUME RANGE, TYPE 1 5-200ul	50-300UL	
7 TRAINING, days	7 TRAINING, days 0 YES	YES	
		1000 1000 1000 1000 1000 1000 1000 100	





## PIPETTES, SINGLE CHANNEL, 100-1000 ul

1 GENERAL DESCRIPTION	1 GENERAL DESCRIPTION Single Channel Manual Pipette	L1000 (RATIOLAB - GERMANY)	
2 N. CHANNELS	1		
3 VOLUME RANGE	3 VOLUME RANGE 100- 1000 ul	100- 1000 ul	
4 AUTOCLAVABLE	4 AUTOCLAVABLE Preferred	Preferred	
5 DIGITAL DISPLAY	5 DIGITAL DISPLAY YES	YES	
6 TRAINING, days	6 TRAINING, days 0	YES	





# PIPETTES, SINGLE CHANNEL, 5-200 ul

1 GENERAL DESCRIPTION	Single Channel Manual pipette	L10(RATILAB - GERMANY )	
2 N. CHANNELS	2 N. CHANNELS	1	
3 VOLUME RANGE	3 VOLUME RANGE 0.5-200ul	0.5-10 Microliters	
4 AUTOCLAVABLE	4 AUTOCLAVABLE Preferred	Preferred	
5 DIGITAL DISPLAY	5 DIGITAL DISPLAY Yes	YES	
6 TRAINING, days	6 TRAINING, days 0	YES	





## SAFETY CABINET, CLASS II TYPE A2 Manufacturer Name/Model Name/ Version Name]

		Company of the Compan		
1 PURPOSE	Laminar airflow hoods to be used for routine pathogens (e.g., bacteria, viruses, fungi, par	ine handling of cell cultures and human parasites), for tissue culture and tumor	Labculture® Class II	
	virus work). The cabin has to precisely control ventilation to sweep airborne particles	ol ventilation to sweep airborne particles	lype A2, LA2-6A1-E	
	produced during routine microbiological procedures away from the user while	edures away from the user while	(ESCO-SINGAPORE)	
	maintaining a controlled environment for the specimen. The cabinet is required of	specimen. The cabinet is required of		
	Class II type A2, of strong and resistant con	construction. The filtering has to be		
	provided by High-efficiency particulate-air (HEPA) filters with 99.9995% efficiency.	EPA) filters with 99.9995% efficiency.		
	After filtering, the airflow will be partly or tota	totally recirculated into the laboratory room.		
2 CE Marked				
3 MODEL	Laminar Airflow Isolation Hoods		YES	
4 CONFIGURATION	Freest		YES	
5 TYPE	Laminar flow		YES	
6 INWARD AIRFLOW, fpm	INWARD AIRFLOW, fpm 90 ±20		1.2	
7 AIRFLOW VOLUME			764 m3 / h (450 cfm)	
8 Inflow (m3/h)				
9 Down flow (m3/h)	900 - 1000			
10 FILTER TECHNOLOGY	HEPA 99,9995%		>99.999% at particle size between 0.1 to 0.3 microns	
11 MOTOR Adjustable speed	MOTOR Adjustable speed Yes		YES	
12 SELF-TEST	SELF-TEST Yes		YES	
13 ADJUSTABLE SASH	Yes		YES	
14 Type	Sliding, Limited locking		Sliding, Limited locking	
15 ACCESS OPENING HEIGHT,			<b>7 1 2 1</b>	
cm			2	
16 INLET/OUTLET VALVES	ALVES Yes		YES	
17 DRAIN OPENING	Yes		YES	
18 ELECTRICAL OUTLETS	ELECTRICAL OUTLETS Yes		YES	
19 MATERIAL				
20 Frame and case	Stainless Steel, Painted, antimicrobial		YES	
21 Work area		7	YES	
22 WORK AREA SIZE, W x H x D cm	120 - 60/80 - 60/80	SSO * AGENZA	YES	
23 CONTROLS	CONTROLS		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
24 Microprocessor controlled	Microprocessor controlled Yes	JIA	YES	
25 Typology	Touchpad	NA (S) (S)	YES	1
26 Display	Display Digital read-out, LCD, alphanumeric		YES	X
27 Fan control	27 Fan control Yes		YES	

28 Light control	28 Light control Yes	YES	
29 UV control	V control Yes	YES	
ALARMS/IND	CATORS		
31 Sash Open	31 Sash Open Yes	YES	
32 Airflow	Yes	YES	
ĭï ∑	ght On Yes	YES	***************************************
34 ACCESSORIES	RIES		
35 Cabinet light	sbinet light fluorescent (> 900 lux)	YES	
36 UV Light	36 UV Light Yes	YES	
37 Footrest	ootrest Yes	YES	
38 Armrest	Yes	YES	
39 Lab Stool	ab Stool Yes	YES	医阴道 医阴道 医医皮肤 医皮肤 医皮肤 医皮肤 医皮肤 医皮肤 医皮肤 医皮肤 医皮肤 医皮
40 TRAINING, days	40 TRAINING, days 0.5		





## STIRRER, MAGNETIC, HOT PLATE

1 GENERAL DESCRIPTION	Benchtop magnetic stirrer or magnetic mixer that employs a rotating magnetic field to cause a stir bar (or flea) immersed in a liquid to spin very quickly, thus stirring it	MODEL: HP-20A(DAIHAN - KOREA)
2 UMDNS		
3 FDA CLRARED	Yes	YES
4 CE MARK (MDD)	Yes	YES
5 MICROPROCESSOR CONTROLLED	Yes	YES
6 CAPACITY, I	2	2
7 MIXING RADIUS	1.5 mm	1.5 mm
8 MIXING FREQUENCY, rpm		80 to 1500 (rpm)
9 TEMP RANGE, °C	Room Temperature, Max > 200 °C	YES
10 TEMPERATURE SETTINGS, °C	1 °C	YES
11 TEMPERATURE ACCURACY, Max. ±1 °C at 20 - 45 °C °C °C	Мах. ±1 °C at 20 − 45 °C	YES
	Audible and visual	YES
13 AUTOMATIC TURNOFF		
14 Over speed by + 2 rpm		YES
15 Exceeding pre-set speed	Yes	YES
16 End of timed cycle		YES
17 DIGITAL DISPLAY		YES
18 TIMER SET RANGE	from 0.1 to 1 hours.	YES
19 FLASK CLAMPS		YES
20 POWER SUPPLY	220 v., 50 Hz., AC.	YES
21 TRAINING		YES





### STOOL OPERATOR

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TO THE PROPERTY OF THE PROPERT		
GENERAL DESCRIPTION	stoot designed to meet the fleeds of medical Laboratory start especially. The Stool	
	must be ergonomic, with contoured, padded and upholstered seat, robust	
	construction, seat adjustable in height, adjustable backrest, with antistatic wheels	
2 CONFIGURATION		YES
3 FLOOR FOOTIONG		
4 Material	Chromed stainless steel	YES
5 Foot Ring	Yes	YES
7 Footing	Heavy duty wheels 50 - 55 mm	YES
6 CONTROL		
8 Adjustable Height	Yes	YES
9 Vertical Travel (cm)	50 - 80	YES
10 Elevation Mechanism	Pneumatic Piston, Foot actuated	YES
11 SEAT		
12 Dimension	50 cm x 50 cm	YES
13 Padded	Yes	YES
14 Upholstery	Yes	YES
15 Contoured	-	YES
16 Fire Retardant	-	YES
17 Chemical Resistant	Yes	
18 Color	Black	YES
19 BACKREST	19 BACKREST	YES
20 Adjustable	Yes	YES
21 Upholstery	Yes, leatherette	YES
22 Fire retardant	Yes	YES
23 Chemical resistant	Yes	YES
	Yes	YES





### STERILIZING UNIT, DRY HEAT

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1 GENERAL DESCRIPTION	Hot air sterilizer, capacity 50 Litre.	Model : ThermoStable ON-50	
2 UMDNS	13-739		
3 CE MARKED	Yes	YES	
4 OUTER BODY	Stainless steel	YES	
5 INNER CHAMBER	Stainless steel	YES	
6 SHELVES			
7 Material	Stainless steel Meshed wire or perforated	YES	
8 Number	2	2	
9 Adjustable	Yes	YES	
10 Capacity, I	50	YES	
11 DOOR			
12 Hinged	Yes	YES	
13 Locking system	Yes	YES	
	Insulated against heat	YES	
16 Position	Frontal	YES	
17 On/Off Switch	Yes	YES	
18 Functioning Lamp	Yes	YES	
19 Temperature indicator	Yes	YES	
20 Tmer	Up to 120 min	YES	
21 TEMPERATURE RANGE	Up to 200°C	YES	
22 CONTROL SYSTEM	Electronic Thermostatic Control	YES	
23 OVERHEAT CUTOFF	Yes	YES	
24 TRAINING, days	0,5	YES	



### SHAKER, VORTEX

1 GENERAL DESCRIPTION	Vortex shaker to mix small vials of liquid	Model - VM-10(DAIHAN -KOREA)	
2 UMDNS	5-590		
JE MARK (A	(IDD)		
4 OVERSPEED PROTECTION Yes	Yes	:	
5 ON/OFF BUTTON	Yes	YES	
6 SPEED SELECTOR	Digital		
7 INTERCHANGEBLE HOLDER Yes			
8 SPEED RANGE	0-2500 rpm	0 to 3300 rpm	
9 SHAKING MOVEMENT	Orbital, 4mm	YES	
10 SPEED SELECTION	Analog		
11 MOTOR TYPE	Electric, oiless bearings		
12 CASE	Stainless steel		
13 FOOTING	Rubber stopper to absorb vibrations		
14 POWER SUPPLY		YES	
15 WARRANTY	12 months warranty period		
16 DOCUMENTATION	s, hard and Soft, EN	YES	
19 TRAINING		YES	





## STERILIZING UNIT, STEAM, BULK

1 PURPOSE Metal sterilizi	potendario composar of (1-d10		
	Metal sterilizing pressure container (Pressure Cooker Port to produce superification steam (saturated steam) to generate moist heat to eliminate viable microbes from non-heat-sensitive medical devices, including heat-tolerant products used for surgical general nation care laboratory. Lid with a safety-clamp locking system: 6	Model : MaXterile 47 (DAIHAN - KOREA )	
	suigical, general patient care, research retaining bayonet clamps and 6 wing nuts		
2 UMDNS	16-141		
3 CE MARKED	Yes	YES	
4 MODEL	Steam Sterilizer Unit, Vertical, Pressure cooker	YES	
5 CONFIGURATION	Floor standing	YES	
6 MATERIAL		YES	
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
8 Material	Seamless aluminium alloy	YES	
9 Volume	50 l	47 L	***************************************
10 Scored Water	red Water level marks inside the chamber	YES	
11 I I D			***************************************
raina	Vertical	YES	***************************************
13 Closing System	Manual closing, double closing with wingnut in bakelite	YES	***************************************
13 Closing Cycen		YES	
15 Seal		YES	***************************************
OS		***************************************	
17 Manometer / pressure	Yes	YES	
Gauge / Steam gauge	CARACTE CONTRACTOR OF THE CONT		***************************************
	Manometer colour-coding Color coding showing sterilizing zone (green) and caution zone (red).	YES	
19 SAFETY		VES	
OVER-PRESSURE VAI	<b>,VE</b> Yes		***************************************
21 ALARMS/ INDICATORS		**************************************	
22 Power on/off led	Yes	YES	***************************************
23 Pressure indicator	Yes, Graduation in kg/cm2, PSI, Max Pressure up to 2 bars	YES	
24 Temperature indicator	Yes, temperature Celsius, Max Temp 126°C	YES	
Time indicators		YES	***************************************
CANISTERS	2	YES	
28 OTHERS	ASME Compliant	YES	
29 DISPOSABLE MATERIAL	manus de la company de la comp		
30 Physical Testing	Bowie dick Test (300 units)	YES	
11 (100) and last last last last last last last last			

***************************************		
32 ACCESSORIES & SPARS	32 ACCESSORIES & SPARS	
33 Handle for lid		
34 Wing nut	34 Wing nut 2	
35 Control valve	35 Control valve	
36 Excess pressure Valve 1		
37 Vent pipe	37 Vent pipe 1	
38 Pressure Valve	38 Pressure Valve	
39 Over-pressure plugs 2	gs 2	
40 Over pressure Valve 1	40 Over pressure Valve 1	
41 TRAINING		
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# WEIGHTING SYSTEM, ANALYTICAL BALANCE

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[Manufacturer Name/Model Name/ Version Name]	Version Name]	
1 PURPOSE	Electronic Weighting system to measure small quantities, with high precision level	Model: WBA-320/DA!HAN - KORFA)
	and low deviation. The Analytical balance has to display the result on LCD monitor.	
2 UMDNS	18-449	
3 CE MARK (MDD)		YES
4 CASE	Metal	YES
5 CAPACITY	200 g	2009
6 SENSITIVITY		0.0019
7 STANDARD DEVIATION	approx	0.001g
8 LINEARITY		YES
9 STABILIZATION TIME		YES
10 CALIBRATION	Automatic	YES
11 DISPLAY	Backlit LCD with dual display	YES
12 WEIGHT UNITS		YES
13 DATA INTERFACE	y interface	YES
14 PRINTER	In built	
15 DUST COVER	Yes	YES
16 AIR SHIELD CASE		
17 OTHERS	Security Locking point, Capacity Tracker	YES
18 DOCUMENTATION	User and service manuals, two copies, hard and Soft, EN	YES
19 WARRANTY	12 months warranty period	HLNO
20 TRAINING		YES





# WEIGHTING SYSTEM, ELECTRONIC, GENERAL PURPOSE

1 GENERAL DESCRIPTION	Electronic balance to be used to find accurate measurements of weight. It is used		
	very commonly in laboratories for weighing chemicals to ensure a precise	Model: "WBA-3200"(DAIHAN - KOREA)	
	measurement of those chemicals for use in various experiments		
2 CE MARKED		YES	
3 Maximum Capacity	1000	0.01 ~ 3200 g	
4 Readability	0.1 g	0.01 ~ 3200 g	
5 Linearity	0.2 g	- 3200 g	
6 Resolution	0.1g	0.01 ~ 3200 g	
7 Adjustment	Internal		
8 Display	4.5" color TFT touchscreen		
9 Dimensions (DxHxW)	319 mm x 100 mm x 200 mm ca	195×295×h90mm / 2.6 kg	
10 Housing	Die-cast aluminum, ABS		
11 Interfaces	USB Device, USB Host		
12 Balance Size (DxHxW)	319 mm x 100 mm x 200 mm		
13 Weighing Pan Size ( DxW) or Diameter			
14 Battery operation		YES	
15 Power	AC Power supply		





Page No1 [of...]

PUBLICATION REFERENCE:8555646 NAME OF TENDERER:< OMNIA MEDICAL SERVICES CO., LTD >

ITEM NO.	QTY	ITEMS	UNIT PRICE	TOTAL
2		LABORATORY TOOLS	1,036	6,523
2.1	1	ANALYZERS, LABORATORY, IMMUNOESSAY, PHOTOMETRIC, MICROPLATE READER	9,750	9,750
2.2	-	ANALYSERS, WASHER, MICROPLATE	5,250	5,250
2.3	2	ANAEROBIC CULTURE PACK/POUCH KITS, JAR, 2.5 L	385	770
2.4	7	ANAEROBIC CULTURE PACK/POUCH KITS, JAR, 3.5 L	400	800
2.5	3	ANAEROBIC CULTURE PACK/POUCH KITS, JAR, RECTANGULAR	780	3,900
2.6	3	CENTRIFUGE, TABLETOP, LOW SPEED, NON-REFRIGERATED	2,560	12,800
2.7		CENTRIFUGE, FLOOR, HIGH-SPEED, REFRIGERATED	869'6	869'6
2.8	2	DENSITOMETER, LABORATORY, SCANNING	16,500	33,000
2.9	2	ESR WESTERGREN METHOD, MANUAL	1,250	2,500
2.10	-	HEATING BLOCK	1,500	1,500
2.11	1	Hoods, Microbiological	5,376	5,376
2.12	П	INCUBATOR, AEROBIC	1,700	1,700
2.13	9	MICROSCOPE, LABORATORY, LIGHT	999	3,360

December 2021 Finanicial Offer

Page 1 of 2

2.14	7	PH METER	1,100	2,200
2.15	7	PIPETTES, MULTICHANNEL	009	1,200
2.16	10	PIPETTES, VARIABLE VOLUME, 100-1000 MICROLITERS	220	2,200
2.17	10	PIPETTES, VARIABLE VOLUME, 5-200 MICROLITERS	220	2,200
2.18	=	SAFETY CABINET, CLASS II, TYPE A2	12,300	12,300
2.19	_	SHAKER, VORTEX	800	800
2.20	_	STERILIZING UNIT, DRY HEAT	1,400	1,400
2.21	2	STERILIZING UNIT, STEAM, BULK	5,000	5,000
2.22	8	STIRRER, MAGNETIC, HOT PLATE	200	1,500
2.23	2	WEIGHTING SYSTEM, ANALYTICAL BALANCE	1,600	3,200
2.24	7	WEIGHTING SYSTEM, ELECTRONIC	006	1,800
2.25	12	Stool, Operator	100	1,200
2.26	1	INSTALLATION, TESTING AND COMMISSIONING	3,000	3,000
	1 YEAR	WARRANTY AND AFTER SALE	2 YEAR	2 YEAR
		SUB TOTAL		139,927
		DISCOUNT 3 %		4,198
		TOTAL PRICE IN EURO		135 779

Please attach to the present document the list of reagents for each analyser that is offered, with unit price and ordering codes.





PLEASE COMPLETE AND SIGN THIS FORM AND ATTACH COPIES OF OFFICIAL SUPPORTING DOCUMENTS (REGISTER(S) OF COMPANIES, OFFICIAL GAZETTE, VAT REGISTRATION, ETC.)

### **LEGAL ENTITY**

PRIVACY STATEMENT

http://ec.europa.eu/budget/contracts\_grants/info\_contracts/legal\_entities/legal\_entities\_en.cfm#en

Please use CAPITAL LETTERS and LATIN CHARACTERS when filling in the form.

② NGO = Non Governmental Organisation, to be completed if NFPO is indicated.

(3) Registration number in the national register of companies. See table with corresponding field denomination by country.

### PRIVATE/PUBLIC LAW BODY WITH LEGAL FORM

OFFICIAL NAME ①	OMNIA MEDICAL SERVICES CO.LTD
BUSINESS NAME	OMNIA MEDICAL SERVICES CO.LTD
(if different)	
ABBREVIATION	OMSCO ONE ALLO
LEGAL FORM	
ORGANISATION TYPE	FOR PROFIT NGO ② YES NO NO
MAIN REGISTRATION	
SECONDARY REGISTR (if applicable)	ATION NUMBER
PLACE OF MAIN	CITY KHARTOUM
REGISTRATION	COUNTRY SUDAN
DATE OF MAIN REGIS	TRATION 03 03 2005
VAT NUMBER	110010018500
ADDRESS OF	NORTH EAST ALQURASHI PARK ,KATARINA STREET , KHATOUM 2
HEAD OFFICE	
POSTCODE 183	P.O. BOX - CITY KHARTOUM
COUNTRY SUDA	N PHONE 00249123453160
E-MAIL SALES	2@OMSCO.SD
DATE 14/07/202	2 STAMP
SIGNATURE OF AUT	HORISED REPRESENTATIVE
	ation and its translation in EN or FR if existing.



### FINANCIAL IDENTIFICATION

PRIVACY STATEMENT

http://ec.europa.eu/budget/contracts grants/info contracts/financial id/financial id en.cfm#en

Please use CAPITAL LETTERS and LATIN CHARACTERS when filling in the form.

Please use CAPITAL LETTERS and LATIN CHARACTERS WHEN HIMING IN THE FORM.					
BANKING DETAILS ①					
ACCOUNT NAME ②	OMNIA MEDICAL SERVICES CO L'	rD .			
BAN/ACCOUNT NUMBER ③ SD6524010116100003					
CURRENCY	EURO				
BIC/SWIFT CODE	OMDBSDKHXXX	BRANCH CODE @ 204			
BANK NAME	OMDURMAN NATIONAL BANK				
	ADDRESS OF	BANK BRANCH			
	KHARTOUM, ELSAYED ABDELRN	/AN STREET			
STREET & NUMBER					
TOWN/CITY	KHARTOUM	POSTCODE 183			
COUNTRY	SUDAN				
ACCOUNT HOLDER'S DATA					
AS DECLARED TO THE BANK					
ACCOUNT HOLDER	OMNIA MEDICAL SERVICES CO L	TD.			
	NORTH EAST ALQURASHI PARK	KATARINA STREET , KHATOUM 2			
STREET & NUMBER					
TOWN/CITY	KHARTOUM	POSTCODE 183			
COUNTRY	SUDAN				
REMARK					
DATE (Obligatory)					
BANK STAMP + SIGNATURE OF BANK REPRESENTATIVE (5) DATE (0) 18 at 0.7 20 22					
		SIGNATURE OF ACCOUNT HOLDER (Obligatory)			

- $\ensuremath{\textcircled{\ensuremath{\mathfrak{1}}}}$  Enter the final bank data and not the data of the intermediary bank.
- 2 This does not refer to the type of account. The account name is usually the one of the account holder. However, the account holder may have chosen to give a different name to its bank account.
- 3 Fill in the IBAN Code (International Bank Account Number) if it exists in the country where your bank is established
- 4 Only applicable for US (ABA code), for AU/NZ (BSB code) and for CA (Transit code). Does not apply for other countries.
- (5) It is preferable to attach a copy of RECENT bank statement. Please note that the bank statement has to confirm all the information listed above under 'ACCOUNT NAME', 'ACCOUNT NUMBER/IBAN' and 'BANK NAME'. With an attached statement, the stamp of the bank and the signature of the bank's representative are not required. The signature of the account holder and the date are ALWAYS mandatory.