



**Ministry of Education
State Department for Vocational and Technical Training**

**KfW Development Bank
German Financial Cooperation with Kenya Promotion of Youth Employment and
Vocational Training in Kenya – Phase II
BMZ No. 2020 65 068**

National Competitive Bidding

Bidding Documents for :

**Supply, Delivery, Installation, Initial Training and Ancillary Services of Training
Equipment for three (3) TVET Institutes
KfW Procurement No. BMZ No. 511384**

GOODS G02

Lot 1: Plumbing Equipment

Lot 2: IT Equipment

Lot 3: Furniture

Purchaser:

**Ministry of Education (MoE)
State Department of Technical, Vocational Education and Training
Nairobi, Kenya**

April 2025

NCB-G02 /MOE-TVET/TVET/KfW 2020 65 068/2024-2025

INVITATION FOR BIDS

Ministry of Education, State Department for Technical, Vocational Education and Training

Promotion of Youth Employment and Vocational Training in Kenya, Phase II

BMZ No. 2020 65 068

22nd April 2025

Tender Reference: NCB-G02/MOE-TVET/TVET/KfW 2020 65 068/2024-2025

The State Department for Technical, Vocational Education and Training, Ministry of Education, Government of the Republic of Kenya has received financing from KfW toward the cost of the programme “Promotion of Youth Employment and Vocational Training in Kenya, Phase II”, and intends to apply part of the proceeds toward payments under the contract(s) for *Supply, Delivery, Installation, Initial Training and Ancillary Services of Training Equipment for three (3) TVET Institutes*

Lot 1: Plumbing Equipment

Lot 2: IT Equipment

Lot 3: Furniture

The Ministry of Education, State Department for Technical, Vocational Education and Training, now invites sealed Bids from eligible Bidders for *the Supply, Delivery, Installation, Initial Training and Ancillary Services of Training Equipment for three (3) TVET Institutes, including delivery, installation and related training at: Bumbe, Nyamira and Kitale. This tender includes 3 Lots. Lot 1 Plumbing Equipment; Lot 2: IT Equipment; Lot 3 Furniture*. Bidding will be conducted by means of the National Competitive Bidding procedure with qualification as specified in KfW’s Procurement Guidelines (“Guidelines for the Procurement of Consulting Services, Works, Plant, Goods and Non-Consulting Services in Financial Cooperation with Partner Countries”, Version 2019; updated 2021), with due regard to the Kenyan Public Procurement and Asset Disposal Act (2015) and regulations 2020.

Interested eligible Bidders may obtain further information from the Ministry of Education, State Department for Technical, Vocational Education and Training, on 7th floor room 703 Uchumi House, Along Agha Khan Walk or by writing to the following email address: Tender-TVET-II-Kenya@gopa-infra.de

A complete set of bidding documents is available to interested Bidders and can be downloaded from the Ministry of Education website <https://www.education.go.ke>. In order to receive any potential notifications in relation to these bidding documents, interested Bidders should immediately send their contact details (including the tender reference number) to the email address: Tender-TVET-II-Kenya@gopa-infra.de

Bids must be delivered to the Tender Box marked Ministry of Education, State Department for Technical, Vocational Education and Training KfW project located on the ground floor of Jogoo House B, Harambee Avenue on or before 11th June, 2025 at **11.00 am (East Africa Time)**. Late Bids will be rejected.

Bids will be opened in a public session on 10th floor of Jogoo House B, Board room in the presence of the Bidders’ designated representatives.

All Bids must be accompanied by a **Bid Security of the amount indicated below:**

A Bid Security is required and the amount shall be:

G02 Lot 1 – Plumbing equipment: 5,000 EUR

G02 Lot 2 – IT equipment: 5,000 EUR

G02 Lot 3 – Furniture: 5,000 EUR

Bidders have the option of submitting one Bid Security for all lots (for the combined total amount of all lots) for which Bids have been submitted.

The Purchaser will not be responsible for any costs or expenses incurred by bidders in connection with the preparation or delivery of bids.

*HEAD SUPPLY CHAIN MANAGEMENT
FOR; PRINCIPAL SECRETARY
STATE DEPARTMENT FOR TECHNICAL, VOCATIONAL EDUCATION AND
TRAINING*

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PART 1 – Bidding Procedures

Section I. Instructions to Bidders

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Section I. Instructions to Bidders¹

A. General

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| 1. Scope of Bid | <p>1.1 In connection with the Invitation for Bids, specified in the Bid Data Sheet (BDS), the Purchaser, as specified in the BDS, issues these Bidding Documents for the Procurement of Goods and Related Services incidental thereto as specified in Section VII, Schedule of Requirements. The name, identification and number of lots (contracts) of this International Competitive Bidding (ICB) are specified in the BDS.</p> <p>1.2 Throughout these Bidding Documents:</p> <ul style="list-style-type: none"> (a) The term “in writing” means communicated in written form (e.g. by mail, e-mail, fax, telex) with proof of receipt; (b) If the context so requires, “singular” means “plural” and vice versa; and (c) “Day” means calendar day. |
| 2. Source of Funds | <p>2.1 The Purchaser specified in the BDS has applied for or received financing (hereinafter called “funds”) from the KfW Entwicklungsbank (hereinafter called “the KfW”), toward the project named in the BDS. The Purchaser intends to apply a portion of the funds to eligible payments under the contract for which these Bidding Documents are issued.</p> |
| 3. Corrupt and Fraudulent Practices | <p>3.1 KfW requires compliance with its policy in regard to corrupt and fraudulent practices as set forth in Section VI.</p> <p>3.2 In further pursuance of this policy, Bidders shall permit and shall cause its agents to provide information and permit KfW or an agent appointed by KfW to inspect on site all accounts, records and other documents relating to bid submission and contract performance (in the case of award), and to have them audited by auditors or agents appointed by KfW.</p> |
| 4. Eligible Bidders | <p>4.1 A Bidder may be a firm that is a private entity, a state-owned entity- subject to ITB 4.3 - or any combination of such entities in the form of a joint venture (“JV”) under an existing JV Agreement or with the intent to enter into such an agreement supported by a letter of intent to execute a JV Agreement, in accordance with ITB 11.2. In the case of a JV, all members shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms. The Bidder shall nominate an authorized representative who shall have the authority to conduct all</p> |

¹ [Text in this Section shall not be modified.]

business for and on behalf of Bidder and any and all its members, if the Bidder is a JV, during bidding and contract execution (in the event the Bidder is awarded the Contract). Unless specified in the BDS, there is no limit on the number of members in a JV.

- 4.2 A Bidder shall not have a conflict of interest. Any Bidder found to have a conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest for the purpose of this bidding process, if the Bidder:
- (a) Directly or indirectly controls, is controlled by or is under common control with another Bidder; or
 - (b) Receives or has received any direct or indirect subsidy from another Bidder; or
 - (c) Has the same legal representative as another Bidder; or
 - (d) Has a relationship with another Bidder, directly or through common third parties, that puts it in a position to influence the bid of another Bidder, or influence the decisions of the Purchaser regarding this bidding process; or
 - (e) Participates in more than one bid in this bidding process, both as an individual firm and as a JV member. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which such Bidder is involved. However, this does not limit the inclusion of the same subcontractor in more than one bid; or
 - (f) Any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the goods that are the subject of the bid; or
 - (g) Any of its affiliates has been hired (or is proposed to be hired) by the Purchaser for the Contract implementation; or
 - (h) Has a close business or family relationship with a professional staff of the Purchaser (or of the project implementing agency, or of a recipient of a part of the funds) who: (i) are directly or indirectly involved in the preparation of the bidding documents or specifications of the contract, and/or the bid evaluation process of such contract; or (ii) would be involved in the implementation or supervision of such contract unless the conflict stemming from such relationship has been resolved in a manner acceptable to the KfW throughout the procurement process and execution of the contract.
- 4.3 The KfW's eligibility criteria to bid are described in Section V, Eligibility criteria.
- 4.4 A Bidder shall not be under suspension from bidding by the

Purchaser as the result of the execution of a Bid-Securing Declaration.

4.5 This bidding is open only to eligible Bidders, who will be subject to qualification.

4.6 A Bidder shall provide such evidence of eligibility satisfactory to the Purchaser, as specified in ITB 17.1 or as the Purchaser shall reasonably request.

5. Eligible Goods and Related Services

5.1 All the Goods and Related Services to be supplied under the Contract and financed by the KfW shall have their origin in any country in accordance with Section V, Eligibility Criteria.

5.2 For purposes of this Clause, the term “goods” includes commodities, raw material, machinery, equipment, and industrial plants; and “related services” includes services such as insurance, installation, training, and initial maintenance.

5.3 The term “origin” means the country where the goods have been mined, grown, cultivated, produced, manufactured or processed; or, through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.

B. Contents of Bidding Documents

6. Sections of Bidding Documents

6.1 The Bidding Documents consist of Parts 1, 2, and 3, which include all the Sections indicated below, and should be read in conjunction with any Addenda issued in accordance with ITB 8.

PART 1 - Bidding Procedures

- Section I. Instructions to Bidders (ITB);
- Section II. Bid Data Sheet (BDS);
- Section III. Qualification and Evaluation Criteria;
- Section IV. Bidding Forms;
- Section V. Eligibility Criteria;
- Section VI. KfW Policy - Corrupt and Fraudulent Practices and Social and Environmental Responsibility;

PART 2 - Supply Requirements

- Section VII. Schedule of Requirements;

PART 3 - Contract

- Section VIII. General Conditions of Contract

(GC);

- Section IX. Particular Conditions of Contract (PC);
 - Section X. Contract Forms.

6.2 The Invitation for Bids issued by the Purchaser is not part of the Bidding Documents.

6.3 Unless obtained directly from the Purchaser, the Purchaser is not responsible for the completeness of the Bidding Documents, responses to requests for clarification or Addenda to the Bidding Documents in accordance with ITB 8. In case of any contradiction, documents obtained directly from the Purchaser shall prevail.

6.4 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Documents and to furnish with its Bid all information or documentation as is required by the Bidding Documents.

7. Clarification of Bidding Documents

7.1 A Bidder requiring any clarification of the Bidding Documents shall contact the Purchaser in writing at the Purchaser's address **specified in the BDS**. The Purchaser will respond in writing to any request for clarification, provided that such request is received no later than 14 (fourteen) days prior to the deadline for submission of bids. The Purchaser shall forward copies of its response to all Bidders who have acquired the Bidding Documents in accordance with ITB 6.3, including a description of the inquiry but without identifying its source. If so **specified in the BDS**, the Purchaser shall also promptly publish its response at the web page **identified in the BDS**. Should the clarification result in changes to the essential elements of the Bidding Documents, the Purchaser shall amend the Bidding Documents following the procedure under ITB 8 and ITB 22.2.

8. Amendment of Bidding Document

8.1 At any time prior to the deadline for submission of bids, the Purchaser may amend the Bidding Documents by issuing addenda.

8.2 Any addendum issued shall be part of the Bidding Documents and shall be communicated in writing to all who have obtained the Bidding Documents from the Purchaser in accordance with ITB 6.3. The Purchaser shall also promptly publish the addendum on the Purchaser's web page in accordance with ITB 7.1.

8.3 To give Bidders reasonable time in which to take an addendum into account in preparing their bids, the Purchaser may, at its discretion, extend the deadline for the submission of bids, pursuant to ITB 22.2.

C. Preparation of Bids

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|---|------|---|
| 9. Cost of Bidding | 9.1 | The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Purchaser shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process. |
| 10. Language of Bid | 10.1 | The Bid, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and the Purchaser, shall be written in the language specified in the BDS . Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages into the language specified in the BDS , in which case, for purposes of interpretation of the Bid, such translation shall govern. |
| 11. Documents Comprising the Bid | 11.1 | <p>The Bid shall comprise the following:</p> <ul style="list-style-type: none"> (a) Qualification <ul style="list-style-type: none"> (i) Bid Submission Form [see also (b)(i) below], in accordance with Section III (1.2) (Table 1); (ii) Declaration of Undertaking duly signed, in accordance with Section III (1.2) (Table 1); (iii) Written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB 20.2 and Section III (1.2) (Table 1); (iv) Any other forms and supporting documents required in Section III (1.1) (1.2) (Tables 1 to 5). (b) Technical and Financial Bid <ul style="list-style-type: none"> (i) Bid Submission Form and the Bidding Forms in accordance with ITB 12; (ii) Completed schedules, in accordance with ITB 12 and 14; (iii) Bid Security, in accordance with ITB 19.1; (iv) Alternative bids, if permissible, in accordance with ITB 13; (v) Documentary evidence in accordance with ITB 17 establishing the Bidder's qualifications to perform the contract if its Bid is accepted; (vi) Documentary evidence in accordance with ITB 17 establishing the Bidder's eligibility to bid; (vii) Documentary evidence in accordance with ITB 16, that the Goods and Related Services to be supplied by the Bidder are of eligible |

origin;

(viii) Documentary evidence in accordance with ITB 16 and 30, that the Goods and Related Services conform to the Bidding Documents;

(ix) Any other document **required in the BDS**.

11.2 In addition to the requirements under ITB 11.1, bids submitted by a JV shall include a copy of the Joint Venture Agreement entered into by all members. Alternatively, a letter of intent to execute a Joint Venture Agreement in the event of a successful bid shall be signed by all members and submitted with the bid, together with a copy of the proposed Agreement.

11.3 The Bidder shall furnish in the Bid Submission Form information on commissions and gratuities, if any, paid or to be paid to agents or any other party relating to this Bid.

12. Declaration of Undertaking, Qualification Forms, and Bid Submission Form, Bidding Forms, Price Schedules

12.1 The Declaration of Undertaking and the Qualification Forms as listed in ITB 11.1(a) shall be prepared using the relevant forms furnished in Section IV, Bidding Forms. The forms must be completed without any alterations to the text, and no substitutes shall be accepted except as provided under ITB 20.4. All blank spaces shall be filled in with the information requested.

12.2 The Bid Submission Form, the Price Schedules, and the Bidding Forms as listed in ITB 11.1(b) shall be prepared using the relevant forms furnished in Section IV, Bidding Forms. The forms must be completed without any alterations to the text, and no substitutes shall be accepted except as provided under ITB 20.4. All blank spaces shall be filled in with the information requested.

13. Alternative Bids

13.1. Unless otherwise **specified in the BDS**, alternative bids shall not be considered.

14. Bid Prices and Discounts

14.1 The prices and discounts quoted by the Bidder in the Bid Submission Form and in the Price Schedules shall conform to the requirements specified below.

14.2 All lots (contracts) and items must be listed and priced separately in the Price Schedules.

14.3 The price to be quoted in the Bid Submission Form shall be the total price of the bid, excluding any discounts offered.

14.4 The Bidder shall quote any discounts and indicate the methodology for their application in the Bid Submission Form.

14.5 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to variation on any account, **unless otherwise specified in the BDS**. A bid submitted with an adjustable price

quotation shall be treated as nonresponsive and shall be rejected, pursuant to ITB 30. However, if in accordance with the BDS, prices quoted by the Bidder shall be subject to adjustment during the performance of the Contract, a bid submitted with a fixed price quotation shall not be rejected, but the price adjustment shall be treated as zero.

- 14.6 If so specified in ITB 1.1, bids are being invited for individual lots (contracts) or for any combination of lots (packages). Prices quoted shall correspond to 100 % of the items specified for each lot and to 100% of the quantities specified for each item of a lot. Bidders wishing to offer discounts for the award of more than one Contract shall specify in their bid the price reductions applicable to each package, or alternatively, to individual Contracts within the package. Discounts shall be submitted in accordance with ITB 14.4 provided the bids for all lots (contracts) are opened at the same time.
- 14.7 The term DDP (Delivered, Duty Paid), and other similar terms shall be governed by the rules prescribed in the current edition of Incoterms, published by The International Chamber of Commerce, as **specified in the BDS**.
- 14.8 Prices shall be quoted as specified in each Price Schedule included in Section IV, Bidding Forms. The disaggregation of price components is required solely for the purpose of facilitating the comparison of bids by the Purchaser. In quoting prices, the Bidder shall be free to use transportation through carriers registered in any eligible country, in accordance with Section V, Eligibility Criteria. Similarly, the Bidder may obtain insurance services from any eligible country in accordance with Section V, Eligibility Criteria. Prices shall be entered in the following manner:
- (a) For Goods manufactured in the Purchaser's Country:
 - (i) The price of the Goods quoted DDP named place of destination (final destinations), including all customs duties and sales and other taxes already paid or payable on the components and raw material used in the manufacture or assembly of the Goods;
 - (ii) All related services required in these Bidding Documents; and
 - (iii) Any Purchaser's Country sales tax and other taxes which will be payable on the Goods if the contract is awarded to the Bidder.
 - (b) For Goods manufactured outside the Purchaser's Country, to be imported:

- (i) The price of the Goods, quoted DDP named place of destination (port of entry and/or place of customs clearance), in the Purchaser's Country, **as specified in the BDS**; and
 - (ii) All related services required in these Bidding Documents.
 - (c) For Goods manufactured outside the Purchaser's Country, already imported:
 - (i) The price of the Goods, quoted DDP named place of destination (final destinations), excluding the custom duties and other import taxes already paid (need to be supported with documentary evidence) or to be paid on the Goods already imported;
 - (ii) All related services required in these Bidding Documents; and
 - (iii) All custom duties and other import taxes already paid (need to be supported with documentary evidence) or to be paid on the Goods already imported in the Purchaser's country, payable on the Goods, if the Contract is awarded to the Bidder;
 - (iv) Any Purchaser's Country sales and other taxes which will be payable on the Goods if the contract is awarded to the Bidder; and
 - (d) For Related Services specified in Section VII - Schedule of Requirements:
 - (i) All related services are to be included in the respective Price Schedule [(a), (b), or (c) above] submitted by each Bidder.
- 15. Currencies of Bid and Payment** 15.1 The currency(ies) of the bid and the currency(ies) of payments shall be **as specified in the BDS**. The Bidder shall quote in the currency of the Purchaser's Country the portion of the bid price that corresponds to expenditures incurred in the currency of the Purchaser's country, unless otherwise **specified in the BDS**.
- 16. Documents Establishing the Eligibility and Conformity of the Goods and Related Services**
- 16.1 To establish the eligibility of the Goods and Related Services in accordance with ITB 5, Bidders shall complete the country of origin declarations in the Price Schedule Forms, included in Section IV, Bidding Forms.
- 16.2 To establish the conformity of the Goods and Related Services to the Bidding Documents, the Bidder shall furnish as part of its Bid the documentary evidence that the Goods conform to the technical specifications and standards specified in Section VII, Schedule of Requirements.
- 16.3 The documentary evidence may be in the form of

literature, drawings or data, and shall consist of a detailed item by item description of the essential technical and performance characteristics of the Goods and Related Services, demonstrating substantial responsiveness of the Goods and Related Services to the technical specification, and if applicable, a statement of deviations and exceptions to the provisions of the Section VII, Schedule of Requirements.

16.4 The Bidder shall also furnish a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the Goods during the period **specified in the BDS** following commencement of the use of the goods by the Purchaser.

16.5 Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by the Purchaser in the Schedule of Requirements, are intended to be descriptive only and not restrictive. The Bidder may offer other standards of quality, brand names, and/or catalogue numbers, provided that it demonstrates, to the Purchaser's satisfaction, that the substitutions ensure substantial equivalence or are superior to those specified in the Section VII, Schedule of Requirements.

17. Documents Establishing the Eligibility and Qualifications of the Bidder

17.1 To establish Bidder's their eligibility in accordance with ITB 4, Bidders shall complete the Bid Submission Form, included in Section IV, Bidding Forms.

17.2 The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the Purchaser's satisfaction:

- (a) That, if **required in the BDS**, a Bidder that does not manufacture or produce the Goods it offers to supply shall submit the Manufacturer's Authorization using the form included in Section IV, Bidding Forms to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in the Purchaser's Country;
- (b) That, if **required in the BDS**, in case of a Bidder not doing business within the Purchaser's Country, the Bidder is represented by an Agent in the country equipped and able to carry out the Supplier's maintenance, repair and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications; and
- (c) That the Bidder meets each of the qualification criterion specified in Section III, Qualification and Evaluation and Criteria.

18. Period of Validity of Bids

18.1 Bids shall remain valid for the period **specified in the BDS** after the bid submission deadline date prescribed

by the Purchaser in accordance with ITB 22.1. A bid valid for a shorter period shall be rejected by the Purchaser as nonresponsive.

18.2 In exceptional circumstances, prior to the expiration of the bid validity period, the Purchaser may request bidders to extend the period of validity of their bids. The request and the responses shall be made in writing. If a Bid Security is requested in accordance with ITB Clause 19, it shall also be extended for forty-two (42) days beyond the deadline of the extended validity period. A Bidder may refuse the request without forfeiting its Bid Security. A Bidder granting the request shall not be required or permitted to modify its bid, except as provided in ITB 18.3.

18.3 If the award is delayed by a period exceeding fifty-six (56) days beyond the expiry of the initial bid validity, the Contract price shall be determined as follows:

- (a) In the case of fixed price contracts, the Contract price shall be the bid price adjusted by the factor **specified in the BDS**;
- (b) In the case of adjustable price contracts, no adjustment shall be made;
- (c) In any case, bid evaluation shall be based on the bid price without taking into consideration the applicable correction from those indicated above.

19. Bid Security

19.1 The Bidder shall furnish as part of its bid, a Bid Security, as **specified in the BDS**, in original form and in the amount and currency **specified in the BDS**.

19.2 A Bid Security shall use the form included in Section IV, Bidding Forms, without deviations. The Bid Security must be issued in the currency of the Bid.

19.3 If a Bid Security is specified pursuant to ITB 19.1, the Bid Security shall be a demand guarantee in any of the following forms at the Bidder's option:

- (a) An unconditional guarantee issued by a reputable bank or financial institution (such as an insurance, bonding or surety company);
- (b) A cashier's or certified check issued by a bank; or
- (c) Another security **specified in the BDS**;

From a reputable source from an eligible country as specified in Section V, Eligibility Criteria. Bidders are free to use any reputable bank for the purpose of issuing the required Bid Security, subject to all conditions of ITB 19 are being met without exception; the issuing bank shall have a correspondent bank in the Purchaser's country. In the case of a bank guarantee, the Bid Security shall be submitted

either using the Bid Security Form included in Section IV, Bidding Forms, or in another substantially similar format approved by the Purchaser prior to bid submission. The Bid Security shall be valid for forty-two (42) days beyond the original validity period of the bid, or beyond any period of extension if requested under ITB 18.2.

- 19.4 If a Bid Security is specified pursuant to ITB 19.1, any bid not accompanied by a substantially responsive Bid Security shall be rejected by the Purchaser as non-responsive.
- 19.5 The Bid Security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's signing the contract and furnishing the Performance Security pursuant to ITB 42.
- 19.6 The Bid Security of the successful Bidder shall be returned as promptly as possible once the successful Bidder has signed the contract and furnished the required performance security.
- 19.7 The Bid Security may be forfeited:
- (a) If a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Submission Form, or any extension thereto provided by the Bidder; or
 - (b) If the successful Bidder fails to:
 - (i) Sign the Contract in accordance with ITB 41; or
 - (ii) Furnish a performance security in accordance with ITB 42.
- 19.8 The Bid Security of a JV must be in the name of the JV that submits the bid. If the JV has not been legally constituted into a legally enforceable JV at the time of bidding, the Bid Security shall be in the names of all future members as named in the letter of intent referred to in ITB 4.1 and ITB 11.2.
- 19.9 If a Bid Security is **not required in the BDS**, pursuant to ITB 19.1, and:
- (a) If a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Submission Form, or any extension thereto provided by the Bidder; or
 - (b) If the successful Bidder fails to: sign the Contract in accordance with ITB 41; or furnish a performance security in accordance with ITB 42;

the Purchaser may, **if provided for in the BDS**, declare the Bidder ineligible to be awarded a contract by the

Purchaser for a period of time **as stated in the BDS**.

20. Format and Signing of Bid

- 20.1 The Bidder shall prepare one original of the documents comprising the bid as described in ITB 11, clearly mark "ORIGINAL". Alternative bids, if permitted in accordance with ITB 13, shall be clearly marked "ALTERNATIVE". In addition, the Bidder shall submit copies of the bid, in the number **specified in the BDS** and clearly mark them "COPY". In the event of any discrepancy between the original and the copies, the original shall prevail.
- 20.2 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder. This authorization shall consist of a written confirmation **as specified in the BDS** and shall be attached to the bid. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the bid where entries or amendments have been made shall be signed or initialed by the person signing the bid.
- 20.3 In case the Bidder is a JV, the Bid shall be signed by an authorized representative of the JV on behalf of the JV, and so as to be legally binding on all the members as evidenced by a power of attorney signed by their legally authorized representatives. If the JV has not been legally constituted into a legally enforceable JV at the time of bidding, then the Bid shall be signed by every member of the proposed JV.
- 20.4 Any inter-lineation, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the bid.

D. Submission and Opening of Bids

21. Sealing and Marking of Bids

- 21.1 The Bidder shall enclose the original and all copies of the bid, including alternative bids, if permitted in accordance with ITB 13, in separate sealed envelopes, duly marking the envelopes as "ORIGINAL", "ALTERNATIVE" and "COPY". These envelopes containing the original and the copies shall then be enclosed in one single envelope/package.

In addition an electronic version as true and complete colour copy in one file in unalterable PDF format on CD or flashdrive must be submitted; Considering that a CD or flashdrive and its content may be considered dutiable goods by customs authorities in the Purchaser's country, it is the full responsibility and risk of the Bidder, pursuant to ITB 22 and ITB 23, to either (i) include the electronic version in the inner envelope containing the original or (ii) send the electronic version separately to arrive within one week from the date and time stipulated in ITB 22; the electronic version is meant for convenience of the

Purchaser and shall have no legal status.

21.2 The inner and outer envelopes shall:

- (a) Bear the name and address of the Bidder;
- (b) Be addressed to the Purchaser in accordance with ITB 22.1;
- (c) Bear the specific identification of this bidding process indicated in ITB 1.1; and
- (d) Bear a warning not to open before the time and date for opening of the qualification documents.

21.3 If all envelopes are not sealed and marked as required, the Purchaser will assume no responsibility for the misplacement or premature opening of the qualification documents and/or bid.

22. Deadline for Submission of Bids

22.1 Bids, as defined in ITB 21.1, must be received by the Purchaser at the address and no later than the date and time **specified in the BDS**.

22.2 The Purchaser may, at its discretion, extend the deadline for the submission of Bids by amending the Bidding Documents in accordance with ITB 8, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.

23. Late Bids

23.1. The Purchaser shall not consider any Bid that arrives after the deadline for submission of bids, in accordance with ITB 22. Any Bid received by the Purchaser after the deadline for submission of bids shall be declared late, rejected, and returned unopened to the Bidder.

24. Withdrawal, Substitution, and Modification of Bids

24.1 A Bidder may withdraw, substitute, or modify its bid after it has been submitted by sending a written notice, duly signed by an authorized representative, and shall include a copy of the authorization (the power of attorney) in accordance with ITB 20.2. The corresponding substitution or modification of the bid must accompany the respective written notice. All notices must be:

- (a) Prepared and submitted in accordance with ITB 20 and 21 (except that withdrawal notices do not require copies), and in addition, the respective envelopes shall be clearly marked "WITHDRAWAL," "SUBSTITUTION," or "MODIFICATION"; and
- (b) Received by the Purchaser prior to the deadline prescribed for submission of bids, in accordance with ITB 22.

24.2 Bids requested to be withdrawn in accordance with ITB 24.1 shall be returned unopened to the Bidders.

24.3 No Bid may be withdrawn, substituted, or modified in the

interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Submission Form or any extension thereof.

25. Bid Opening

25.1 Except in cases specified in ITB 23 and ITB 24, the Purchaser shall publicly open and read out in accordance with ITB 25.2 all Bids received by the deadline (regardless of the number of Bids received), at the date, time and place **specified in the BDS**, in public and in the presence of Bidders' designated representatives.

25.2 First, envelopes marked "WITHDRAWAL" shall be opened and read out and the envelope with the corresponding bid shall not be opened, but returned to the Bidder. No bid withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at bid opening.

Next, envelopes marked "SUBSTITUTION" shall be opened and read out and exchanged with the corresponding Bid being substituted, and the substituted Bid shall not be opened, but returned to the Bidder. No Bid substitution shall be permitted unless the corresponding substitution notice contains a valid authorization to request the substitution and is read out at bid opening.

Envelopes marked "MODIFICATION" shall be opened and read out with the corresponding Bid. No Bid modification shall be permitted unless the corresponding modification notice contains a valid authorization to request the modification and is read out at Bid opening.

Only bids that are opened and read out at Bid opening shall be considered further.

25.3 All other envelopes shall be opened one at a time, reading out: the name of the Bidder and whether there is a modification; the total Bid Prices, per lot (contract) if applicable, including any discounts and alternative bids (if permitted pursuant to ITB 13); the presence or absence of a Bid Security, if required; and any other details as the Purchaser may consider appropriate. Only discounts and alternative bids read out at bid opening shall be considered for evaluation. The Purchaser shall neither discuss the merits of any bid nor reject any bid (except for late bids, in accordance with ITB 23.1).

25.4 The Purchaser shall prepare a record of the opening session that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal, substitution, or modification; the Bid Price, per lot (contract) if applicable, including any discounts, and alternative bids; and the presence or absence of a Bid Security, if one was required. The Bidders' representatives who are present shall be requested to sign the record. The omission of a

Bidder's signature on the record shall not invalidate the contents and effect of the record. A copy of the record shall be distributed to all Bidders.

E. Evaluation and Comparison of Bids

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|--|---|
| 26. Confidentiality | <p>26.1 Information relating to the examination, evaluation, and comparison of the bids, and qualification of the Bidders and recommendation of contract award, shall not be disclosed to Bidders or any other persons not officially concerned with the bidding process until information on Contract Award is communicated to all Bidders in accordance with ITB 40.</p> <p>26.2 Any attempt by a Bidder to influence the Purchaser in the examination, evaluation, and comparison of the bids, and qualification of the bidders, or contract award decisions may result in the rejection of its Bid.</p> <p>26.3 Notwithstanding ITB 26.2, from the time of bid opening to the time of Contract Award, if any Bidder wishes to contact the Purchaser on any matter related to the bidding process, it shall do so in writing.</p> |
| 27. Qualification of the Bidder | <p>27.1 The Purchaser shall determine to its satisfaction whether the Bidder meets the qualifying criteria specified in Section III, Qualification and Evaluation Criteria, Qualification.</p> <p>27.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB 17.2 (c), Qualification.</p> <p>27.3 Only those criteria listed in Section III, Qualification and Evaluation Criteria, 1. Qualification, shall be used during this evaluation step.</p> <p>27.4 An affirmative determination shall be a prerequisite for successful qualification of the Bidder, and continued evaluation of the Bidder's Bid. A negative determination shall result in disqualification of the bid.</p> |
| 28. Clarification of Bids | <p>28.1 To assist in the examination, evaluation, comparison of the qualification and technical and financial bids of the Bidders, the Purchaser may, at its discretion, ask any Bidder for a clarification of its Bid, given a reasonable time for a response. Any clarification submitted by a Bidder that is not in response to a request by the Purchaser shall not be considered. The Purchaser's request for clarification and the response shall be in writing. No change, including any voluntary increase or decrease, in the prices or substance of the Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Purchaser in the Evaluation of the bids, in accordance with ITB 32.</p> <p>28.2 If a Bidder does not provide clarifications of its Bid by the</p> |

- date and time set in the Purchaser's request for clarification, its Bid may be rejected.
- 29. Deviations, Reservations, and Omissions**
- 29.1 During the evaluation of bids, the following definitions apply:
- (a) "Deviation" is a departure from the requirements specified in the Bidding Documents;
 - (b) "Reservation" is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Documents; and
 - (c) "Omission" is the failure to submit part or all of the information or documentation required in the Bidding Documents.
- 30. Determination of Responsiveness**
- 30.1 The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself, as defined in ITB 11.
- 30.2 A substantially responsive Bid is one that meets the requirements of the Bidding Documents without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that:
- (a) If accepted, would:
 - (i) Affect in any substantial way the scope, quality, or performance of the Goods and Related Services specified in the Contract; or
 - (ii) Limit in any substantial way, inconsistent with the Bidding Documents, the Purchaser's rights or the Bidder's obligations under the proposed Contract; or
 - (b) If rectified, would unfairly affect the competitive position of other bidders presenting substantially responsive bids.
- 30.3 The Purchaser shall examine the technical aspects of the bid submitted in accordance with ITB 16, in particular, to confirm that all requirements of Section VII, Schedule of Requirements have been met without any material deviation or reservation, or omission.
- 30.4 If a bid is not substantially responsive to the requirements of the Bidding Documents, it shall be rejected by the Purchaser and may not subsequently be made responsive by correction of the material deviation, reservation, or omission.
- 31. Non-conformities, Errors and Omissions**
- 31.1 Provided that a Bid is substantially responsive, the Purchaser may waive any nonmaterial nonconformities in the Bid.
- 31.2 Provided that a bid is substantially responsive, the Purchaser may request that the Bidder submit the

necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities in the bid related to documentation requirements. Requesting information or documentation on such nonconformities shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.

31.3 Provided that a bid is substantially responsive, the Purchaser shall rectify quantifiable nonmaterial nonconformities related to the Bid Price. To this effect, the Bid Price shall be **adjusted as specified in the BDS**, for comparison purposes only, to reflect the price of a missing or non-conforming item or component.

32. Correction of Arithmetical Errors

32.1 Provided that the Bid is substantially responsive, the Purchaser shall correct arithmetical errors on the following basis:

- (a) If there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected;
- (b) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- (c) If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.

32.2 Bidders shall be requested to accept correction of arithmetical errors. Failure to accept the correction in accordance with ITB 32.1 shall result in the rejection of the Bid.

33. Conversion to Single Currency

33.1 For evaluation and comparison purposes, the currency(ies) of the Bid shall be converted in a single currency as **specified in the BDS**.

34. Margin of Preference

34.1 **Unless otherwise specified in the BDS**, a margin of preference shall not apply.

35. Evaluation of Bids

35.1 The Purchaser shall use the criteria and methodologies listed in this Clause. No other evaluation criteria or methodologies shall be permitted.

35.2 To evaluate a Bid (evaluation will be done for Lots (contracts)), the Purchaser shall consider the following:

- (a) The Bid Price as quoted in accordance with clause 14;
 - (b) Price adjustment for correction of arithmetic errors in accordance with ITB 32.1;
 - (c) Price adjustment due to discounts offered in accordance with ITB 14.4;
 - (d) Price adjustment due to quantifiable nonmaterial nonconformities in accordance with ITB 31.3;
 - (e) Converting the amount resulting from applying (a) to (d) above, if relevant, to a single currency in accordance with ITB 33;
 - (f) The additional evaluation factors as specified in Section III, Qualification and Evaluation Criteria, 2. Evaluation.
- 35.3 The estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in bid evaluation.
- 35.4 If these Bidding Documents allows Bidders to quote separate prices for different lots (contracts), the methodology to determine the lowest evaluated price of the lot (contract) combinations, including any discounts offered in the Bid Submission Form, is specified in Section III, Qualification and Evaluation Criteria.
- 35.5 The Purchaser's evaluation of a bid will exclude and not take into account:
- (a) In the case of Goods manufactured in the Purchaser's Country, sales and other similar taxes, which will be payable on the goods if a contract is awarded to the Bidder;
 - (b) In the case of Goods manufactured outside the Purchaser's Country, already imported or to be imported, customs duties and other import taxes levied on the imported Good, sales and other similar taxes, which will be payable on the Goods if the contract is awarded to the Bidder;
 - (c) In the case of Related Services, customs duties and sales and other similar taxes that will be payable on the Related Services if the contract is awarded to the Bidder;
 - (d) Any allowance for price adjustment during the period of execution of the contract, if provided in the bid.
- 35.6 The Purchaser's evaluation of a bid may require the consideration of other factors, in addition to the Bid Price quoted in accordance with ITB 14. These factors may be related to the characteristics, performance, and terms

and conditions of purchase of the Goods and Related Services. The effect of the factors selected, if any, shall be expressed in monetary terms to facilitate comparison of bids, unless otherwise **specified in Section III, Qualification and Evaluation Criteria**. The criteria and methodologies to be used shall be as specified in Section III, Qualification and Evaluation Criteria.

- 35.7 If the bid, which results in the lowest Evaluated Bid Price, is significantly lower than the Purchaser's estimate, the Purchaser shall require the Bidder to produce detailed price analyses for any or all items of the Price Schedules, to demonstrate the internal consistency of those prices with the supply requirements and the method and schedule proposed. If one or several inconsistencies are evidenced, or if a bidder does not provide the required detailed price analyses, the bid shall be declared non-compliant and rejected.
- 36. Comparison of Bids** 36.1 The Purchaser shall compare the evaluated prices of all substantially responsive bids established in accordance with ITB 35.2 to determine the lowest evaluated bid.
- 37. Purchaser's Right to Accept Any Bid, and to Reject Any or All Bids** 37.1 The Purchaser reserves the right to accept or reject any Bid, and to annul the bidding process and reject all Bids at any time prior to Contract Award, without thereby incurring any liability to Bidders. In case of annulment, all Bids submitted and specifically, bid securities, shall be promptly returned to the Bidders.

F. Award of Contract

- 38. Award Criteria** 38.1 Subject to ITB 37.1, the Purchaser shall award the Contract to the qualified, pursuant to ITB 27, Bidder whose bid has been determined to be the lowest evaluated bid and is substantially responsive to the Bidding Documents.
- 39. Purchaser's Right to Vary Quantities at Time of Award** 39.1 At the time the Contract is awarded, the Purchaser reserves the right to increase or decrease the quantity of Goods and Related Services originally specified in Section VII, Schedule of Requirements, provided this does not exceed the percentages **specified in the BDS**, and without any change in the unit prices or other terms and conditions of the bid and the Bidding Documents.
- 40. Notification of Award** 40.1 Prior to the expiration of the period of bid validity, the Purchaser shall notify the successful Bidder, in writing, that its Bid has been accepted; for this purpose the Letter of Acceptance Form attached to these Bidding Documents shall be used. The notification letter (hereinafter and in the Conditions of Contract and Contract Forms called the "Letter of Acceptance") shall specify the sum that the Purchaser will pay the Supplier in consideration of the supply of Goods (hereinafter and in the

Conditions of Contract and Contract Forms called “the Contract Price”). At the same time, the Purchaser shall also notify all other Bidders of the results of the bidding.

40.2 Until a formal Contract is prepared and executed, the notification of award shall constitute a binding Contract.

40.3 The Purchaser shall promptly respond in writing to any unsuccessful Bidder who, after notification of award in accordance with ITB 40.1, requests in writing the grounds on which its bid was not selected.

41. Signing of Contract

41.1 Promptly after notification, the Purchaser shall send the successful Bidder the Contract Agreement.

41.2 Within twenty-eight (28) days of receipt of the Contract Agreement, the successful Bidder shall sign, date, and return it to the Purchaser.

41.3 Notwithstanding ITB 41.2 above, in case signing of the Contract Agreement is prevented by any export restrictions attributable to the Purchaser, to the country of the Purchaser, or to the use of the products/goods, systems or services to be supplied, where such export restrictions arise from trade regulations from a country supplying those products/goods, systems or services, the Bidder shall not be bound by its bid, always provided however, that the Bidder can demonstrate to the satisfaction of the Purchaser and of the KfW that signing of the Contract Agreement has not been prevented by any lack of diligence on the part of the Bidder in completing any formalities, including applying for permits, authorizations and licenses necessary for the export of the products/goods, systems or services under the terms of the Contract.

42. Performance Security

42.1 Within twenty-eight (28) days of the receipt of notification of award from the Purchaser, the successful Bidder shall furnish the Performance Security² in accordance with the GC, using for that purpose the Performance Security Form included in Section X, Contract Forms. Bidders are free to use any reputable bank acceptable to the Purchaser for the purpose of issuing the required performance security, subject to all conditions of ITB 42 and GC are being met without exception the issuing bank shall have a correspondent bank in the Purchaser's country.

42.2 Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security. In that event the Purchaser may award the Contract to the next lowest evaluated Bidder, whose bid is qualified, pursuant to ITB 27, and substantially responsive.

² Bonds shall only be permitted with prior approval from KfW.

Section II. Bid Data Sheet (BDS)

The following specific data for the goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

[Instructions for completing the Bid Data Sheet are provided, as needed, in the notes in italics mentioned for the relevant ITB Clauses.]

ITB Clause Reference	A. General
ITB 1.1	The number of the Invitation for Bids is: [NCB-G02/MOE-TVET/TVET/KfW 2020 65 068/2024-2025]
ITB 1.1	The Purchaser is: Ministry of Education (MoE) State Department of Technical, Vocational Education and Training Jogoo House B, Harambe Avenue, Nairobi Kenya
ITB 1.1	The name and identification number of the NCB are: Supply, Delivery, Installation, Initial Training and Ancillary Services of Training Equipment for three (3) TVET Institutes KfW Procurement No. 511384 The NCB comprises the following three (3) Lots: • G02 Lot 1 – Plumbing equipment for the following institutes and workshops (WS) and labs: Kitale National Polytechnic (Kitale NP): Plumbing Basic WS, Plumbing Sheet Metal WS Bumbe Technical Training Institute (Bumbe TTI): Plumbing Basic WS, Nyamira National Polytechnic (NNP): Plumbing WS • G02 Lot 2 – IT equipment for the following institutes: Kitale NP: IT Room, IT for Classrooms, IT for Instruction Area WS, IT for Agricultural Mechatronics, IT for Electronics WS Bumbe TTI: IT Room, IT for Classrooms, IT for Instruction Area WS Automotive, Nyamira NP: IT for Classrooms, IT for Mechanic Plant Technician WS, IT for Electric Basics WS • G02 Lot 3 – Furniture for the following institutes: Kitale NP: Furniture for Classrooms, Furniture for IT Room, Furniture for Instruction Area WS, Furniture for Agriculture Mechatronics, Furniture for Electronics WS Bumbe TTI: Furniture for Classrooms, Furniture for IT Room, Furniture for Instruction Area WS Automotive

	Nyamira NP: Furniture for IT Room, Furniture for Mechanic Plant Technician WS, Furniture for Electric Basic WS Bidders shall submit Bids for one or three Lots. and may be awarded 1 (one) or more Lots. Refer to ITB 35.4. The number, identification and names of the lots (contracts) comprising this NCB are: [NCB-G02/MOE-TVET/TVET/KfW 2020 65 068/2024-2025]
ITB 2.1	The name of the Project is: Promotion of Youth Employment and Vocational Training in Kenya – Phase II (BMZ No. 2020 65 068)
	B. Contents of Bidding Documents
ITB 7.1	For <u>clarification of bid purposes</u> only, the Purchaser's address is: Address: Principal Secretary State Department for TVET Jogoo Hse B 8th Floor Harambee Avenue City: Nairobi, Kenya ZIP Code: Box 9583 00200 Country: Kenya Attention HSCM – Head Supply Chain Management Through room 703 Uchumi Hse 7th Floor Electronic mail address: Tender-TVET-II-Kenya@gopa-infra.de Only written communication is permitted. Requests for clarification should be received on the above email address no later than: 14 days before the deadline for Bid submission Site Visit: Though not mandatory, Bidders are encouraged to visit the 3 sites to check the local conditions, specifically the access conditions for heavy and lengthy delivery trucks. The locations of the 3 delivery sites are indicated below: Location 1: Kitale National Polytechnic (Kitale NP) Address: Kitale Municipality along Elgon Rd, 1 km from Kitale town Location 2: Bumbe Technical Training Institute (Bumbe TTI) Address: Funyula Location 3: Nyamira NP (Nyamira NP) Address: Itibo Ward, Nyamira North Sub-County, Nyamira

ITB 7.1	Web page: https://www.education.go.ke/
	C. Preparation of Bids
ITB 10.1	The language of the bid is: English. All correspondence exchange shall be in the English language. Language for translation of supporting documents and printed literature is English.
ITB 11.1 (k)	The Bidder shall submit the following mandatory documents in its bid: For all lots: • A Power of Attorney to sign and stamp the Bid on behalf of the Bidder/JV • A company profile of the Bidder or each JV partner (should not exceed 10 pages) • Certificate of Incorporation / Registration • JV / Consortium Agreement with a clear indication of roles and responsibilities of each member (if any) Audited financial statements for 2021, 2022, and 2023. If the Bidder is located outside of the Purchaser's country, an official local representative should be appointed
ITB 13.1	Alternative Bids shall not be considered.
ITB 14.5	The prices quoted by the Bidder shall not be adjustable.
ITB 14.7	The Incoterms edition is Incoterms 2020.
ITB 14.8 (b) (i)	Named Place of Destination: DDP Kitale National Polytechnic (Kitale NP) DDP Bumbe Technical Training Institute (Bumbe TTI) DDP Nyamira National Polytechnic (Nyamira NP)
ITB 15.1	The prices shall be quoted by the bidder in: Euro (EUR) The Bidder is not required to quote in the currency of the Purchaser's Country the portion of the bid price that corresponds to expenditures incurred in that currency.
ITB 16.4	Period of time the Goods are expected to be functioning (for the purpose of spare parts): five (5) years
ITB 17.2 (a)	Manufacturer's authorization is required for major items as defined in Section VII, Schedule of Requirements.
ITB 17.2 (b)	After sales service is required for major items as defined in Section VII, Schedule of Requirements.

ITB 18.1	The bid validity period shall be 126 days.
ITB 18.3 (a)	The bid price shall be adjusted by the following factor: not applicable
ITB 19.1	A Bid Security is required. If a Bid Security shall be required, the amount shall be: G02 Lot 1 – Plumbing equipment: 5,000 EUR G02 Lot 2 – IT equipment: 5,000 EUR G02 Lot 3 – Furniture: 5,000 EUR Bidders have the option of submitting one Bid Security for all lots (for the combined total amount of all lots) for which Bids have been submitted.
ITB 19.3 (c)	Other types of acceptable securities: none
ITB 19.9	Not applicable
ITB 20.1	In addition to the original of the bid, the number of copies is: 1 (one). See also ITB 21.1 below. • one (1) copy, and • one (1) electronic copy on USB stick: soft-copy of bid document Note: All documentation including technical specification provided on USB must be in pdf in searchable format.
ITB 20.2	The written confirmation of authorization to sign on behalf of the Bidder shall consist of Original power of attorney established in the name of the signatory of the bid.
	D. Submission and Opening of Bids
ITB21.1	Bidders take note the requirement stated in the Instructions to Bidders to submit an electronic version, in addition to the physical Original and Copy: “In addition an electronic version as true and complete colour copy in one file in unalterable PDF format on CD or flash drive must be submitted”
ITB 22.1	For bid submission purposes, the original Bid and Copy should be <u>delivered</u> to: Address: Principal Secretary State Department for TVET Jogoo Hse B 8th Floor Delivered to Ground Floor, Tender Box “State Department for technical, vocational education and training / KfW - Phase II”

	Harambee Avenue City: Nairobi Country: Kenya The deadline for the submission of bids is: Date: 11th June, 2025 Time: 11.00 a.m, East Africa Time (EAT)
ITB 25.2	The public bid opening session shall take place on/at: Date: 11th June, 2025 Time: 11.00 am East Africa Time (EAT)
ITB 25.2	The bid opening shall take place at: Address: Ministry of Education State Department for Technical, Vocational Education and Training, Jogoo House B, Harambee Avenue, 10th Floor at the Board room P.O.BOX 9583 00200 Nairobi, Kenya No minimum number of bids is required in order to proceed to bid opening.
	E. Evaluation and Comparison of Bids
ITB 31.1	The provisions in ITB 31.1 do not apply to items classified as major items in Section VII. For items other than major items, for which no bid price is provided in the respective price schedule(s), the bid price of the most expensive qualified and substantially responsive bidder for such items shall be used in the comparison of otherwise qualified and substantially responsive bids. In the absence of another bidder pricing these items, the Project Consultant may estimate the market value of such items if delivered to the Purchaser's country. This correction procedure is limited to a max. of five (5) per cent of the total bid price in any given lot.
ITB 33.1	The currency that shall be used for bid evaluation and comparison purposes shall be: EURO (EUR) The source of exchange rate shall be: Not applicable.
ITB 34.1	A margin of domestic preference shall not apply. If domestic preference shall be a bid-evaluation factor, the application methodology shall be specified in Section III, Qualification and Evaluation Criteria.
	F. Award of Contract

ITB 39.1	The maximum percentage by which quantities may be increased is: 20 % The maximum percentage by which quantities may be decreased is: 20 %
ITB 41.3	Bidders are advised to familiarize themselves with the Kenya Bureau of Standards' Pre-Export Verification of Conformity (PVoC) requirements, which may be applicable to item(s) in this tender and for which the successful bidder is responsible. More information is available at www.kebs.org

Section III. Qualification and Evaluation Criteria

This Section complements the Instructions to Bidders. It contains the criteria that the Purchaser may use to determine whether a Bidder has the required qualifications and to evaluate a bid. No other criteria shall be used.

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1. Qualification (ITB 27)

All qualification documents listed here (including attached forms, and required support documents) shall be submitted in accordance with ITB 25 and ITB 27, and will be evaluated first; only bids passing the qualification shall be evaluated further.

1.1 The Qualification Document submission shall consist of:

- (1) Bid Submission Form, Declaration of Undertaking, and Eligibility (Table 1)

Bidder shall meet the requirements as per Table 1 and submit the required forms and supporting documents; forms provided in this bidding document may not be amended but only completed following the instructions in this bidding document.

Mandatory or Optional (when required) + power of attorney

- (2) Historical Contract Non-Performance (Table 2)

Both forms must be submitted duly filled and signed; any non-performance during the required period stated in Form CON-2 will lead to disqualification of the Bidder's bid.

- (3) Financial Situation and Performance (Table 3)

Bidders shall meet the requirements as per Table 3 and submit the required forms and supporting documents; forms provided in this bidding document may not be amended but only completed following the instructions in this bidding document.

- (4) Experience (Table 4)

Submission of the required number of references (similar experience / contracts).

- (5) Technical Capacity, Spare Parts and Local Agent (if applicable) (Table 5)

Submission of the required information, in response the requirements stated in Section VII, Schedule of Requirements. *[These requirements shall only be included if applicable, and those not required may be deleted from Section VII].*

1.2. Requirements and Criteria

The following tables describe qualification requirements and criteria, in accordance with ITB 27 and Section III (Qualification), which must be satisfied by each Bidder. Only specified requirements and criteria shall be used, and requirements and criteria not included in the tables below shall not be used in the evaluation of the Bidder's Qualification.

Table 1							
Qualification Criteria			Compliance Requirements				Documentation
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
1. Bid Submission Form, Declaration of Undertaking, and Eligibility							
1.1	Bid Submission Form	Submission, in accordance with Section III, Qualification	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Bid Submission Form
1.2	Declaration of Undertaking	Submission, in accordance with ITB 12	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Declaration of Undertaking
1.3	Power of Attorney	Submission, in accordance with ITB 20.2	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Power of Attorney (free format)
1.4	Joint Venture Agreement	JV Agreement or Letter of Intent, (in case of a JV), in accordance with ITB 4.1	N/A	Must meet requirement	Must meet requirement	N/A	Relevant pages of an existing JV Agreement or Letter of Intent (free format)
1.5	Nationality	Nationality in accordance with ITB 4.3	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Forms ELI – 1.1 and ELI - 1.2 (in case of JV), with attachments
1.6	Conflict of Interest	No conflicts of interest in accordance with ITB 4.2	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Bid Submission Form
1.7	KfW Eligibility	Not being ineligible for KfW financing, as described in ITB 4.3	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Bid Submission Form
1.8	State-owned Entity	Meets conditions of ITB 4.3	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Forms ELI – 1.1 and ELI - 1.2 (in case of JV), with attachments

Table 2							
Qualification Criteria			Compliance Requirements				Documentation
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
2. Historical Contract Non-Performance							
2.1	History of Non-Performing Contracts	Termination of a contract ¹ did not occur as a result of supplier default in the past 5 years (2019, 2020, 2021, 2022, and 2023).	Must meet requirement ²	Must meet requirements	Must meet requirement ²	N/A	Form CON - 2
2.2	Suspension Based on Execution of Bid Securing Declaration by the Purchaser or withdrawal of the Bid within Bid validity	Not under suspension based on execution of a Bid Securing Declaration pursuant to ITB 4.4 or withdrawal of a Bid pursuant ITB 19.9.	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Bid Submission Form
2.3	Pending Litigation	All pending litigation shall in total not represent more than one hundred percent (100%) of the Bidder's net worth and shall be treated as resolved against the Bidder.	Must meet requirement	N/A	Must meet requirement	N/A	Form CON – 2

¹ Non-performance shall include all terminations of contracts where (a) non-performance was not challenged by the supplier, including through referral to the dispute resolution mechanism under the respective contract, and (b) contracts that were so challenged but fully settled against the supplier. Non-performance shall not include contracts where Purchaser's decision was overruled by the dispute resolution mechanism.

² This requirement also applies to contracts executed by the Bidder as a JV member.

Table 3							
Qualification Criteria			Compliance Requirements				Documentation
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
3. Financial Situation and Performance							
3.1	Financial Capabilities	Submission of audited balance sheets or if not required by the law of the Bidder's country, other financial statements acceptable to the Purchaser, for the last 3 years (2021, 2022, 2023) to demonstrate the current soundness of the Bidder's financial position based on the following criteria: a) Liquidity ratio ≥ 1.1 ((Current Assets) / (Current Liabilities) ≥ 1.1) b) Indebtedness ratio $\leq 80\%$ ((Total Liabilities) x 100 / (Total Assets) $\leq 80\%$)	Must meet requirement	N/A	Must meet requirement	N/A	Form FIN – 3.1, with attachments

Table 3							
Qualification Criteria			Compliance Requirements				Documentation
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
3. Financial Situation and Performance							
3.2	Average Annual Supplier Turnover	Minimum average annual supplier turnover of equivalent to -..G02 Lot 1: 500,000 EUR -..G02 Lot 2: 500,000 EUR -..G02 Lot 3: 500,000 EUR , calculated as total certified payments received for contracts in progress and/or completed within the last 3 years (2021, 2022, 2023), divided by 3 years	Must meet requirement	Must meet requirement	Must meet at least twenty-five percent (25%) of the requirement	Must meet at least forty percent (40%) of the requirement	Form FIN – 3.2
3.3	Access to Liquidity	The required liquidity / access to credit of a Bidder must be at least equal to the Bidder’s Bid price; an original letter / statement by the Bidder’s banker(s) must be attached for this purpose, showing the current available liquidity / access to credit; this statement must not be older than thirty (30) days at the date of Bid closing If several lots are offered, access to liquidity shall be cumulative accordingly.	Must meet requirement	Must meet requirement	Must meet at least twenty-five percent (25%) of the requirement	Must meet at least forty percent (40%) of the requirement	Liquidity Letter issued by the Bidder’s bankers (free format)

Table 4							
Qualification Criteria			Compliance Requirements				Documentation
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)			Submission Requirements
				All Parties Combined	Each Member	One Member	
4. Experience							
4.1	Similar Experience	A minimum number of similar ³ contracts specified below that have been satisfactorily and substantially ⁴ completed as Supplier, or joint venture member ⁵ , during the past 5 years (2019, 2020, 2021, 2022, 2023): 3 contracts, each of a minimum value, equivalent to: -..G02 Lot 1: 300,000 EUR -..G02 Lot 2: 300,000 EUR -..G02 Lot 3: 300,000 EUR	Must meet requirement	Must meet requirement ⁶	N/A	N/A	Form EXP - 4.1 (one per contract)

Table 5					
Qualification Criteria			Compliance Requirements		Documentation
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)	Submission Requirements

³ The similarity shall be based on the physical size, complexity, methods/technology and/or other characteristics described in Section VII, Schedule of Requirements. Summation of number of small value contracts (less than the value specified under requirement) to meet the overall requirement will not be accepted.

⁴ Substantial completion shall be based on 80% or more completed under the contract.

⁵ For contracts under which the Bidder participated as a joint venture member or sub-contractor, only the Bidder's share, by value, shall be considered to meet this requirement.

⁶ In the case of JV, the value of contracts completed by its members shall not be aggregated to determine whether the requirement of the minimum value of a single contract has been met. Instead, each contract performed by each member shall satisfy the minimum value of a single contract as required for single entity. In determining whether the JV meets the requirement of total number of contracts, only the number of contracts completed by all members each of value equal or more than the minimum value required shall be aggregated.

				All Parties Combined	Each Member	One Member	
5. Technical Capacity, Spare Parts and Local Agent (if applicable)							
5.1	Technical Capacity	If so required in Section VII, Schedule of Requirements, the Bidder's must have qualified personnel to satisfy the requirements.	Must meet requirement	Must meet requirement	N/A	N/A	Support documents as required in Section VII, Schedule of Requirements
5.2	Spare Parts	If so required in Section VII, Schedule of Requirements, the Bidder's must confirm availability of spare parts.	Must meet requirement	Must meet requirement	N/A	N/A	Form SPA - 5.1, and any support documents as required in Section VII, Schedule of Requirements
5.3	Local Agent	If so required in Section VII, Schedule of Requirements, the Bidder's must have a local agent including qualified personnel for the purpose of after sales services.	Must meet requirement	Must meet requirement	N/A	N/A	Support documents as required in Section VII, Schedule of Requirements

3. Domestic Preference (ITB 34)

Not applicable

2. Evaluation (ITB 35)

2.1 Evaluation Criteria (ITB 35.6)

Not applicable

2.2 Multiple Contracts(ITB 35.4)

The Purchaser shall award contract to the Bidder that offers the lowest evaluated Bid and has met the qualification criteria (this Section III, 1. Qualification (ITB 27)).

The Purchaser shall:

- (a) Evaluate only lots or contracts that include at least the percentages of items per lot and quantity per item as specified in ITB Sub Clause 14.6;
- (b) Take into account:
 - (i) The lowest-evaluated bid for each lot; and
 - (ii) The price reduction per lot and the methodology for its application as offered by the Bidder in its bid.

This is the Bid that meets the Qualification Criteria and has been determined to be:

- (a) substantially responsive to the Bidding document, and
- (b) the **lowest evaluated cost**.

Documents Index

Bidders must carefully read the requirements detailed in the Instruction to Bidders (ITB), Bid Data Sheet (BDS), Qualification and Evaluation Criteria, Schedule of Requirements, and Contract Conditions.

Bidders must ensure they submit all requested documents according to the specified conditions, completed in full and including attachments as applicable. This refers to administrative aspects (e.g. minimum days of bid validity after submission deadline; validity of their Bid Security; all blank spaces filled in the templates; duly-signed, dated, and initialled documents etc.) and technical aspects (e.g. offers for every item in the Lot, submission of supporting catalogues/leaflets etc.). In case of a Joint Venture (JV) bid, ensure relevant documents are completed and submitted for each member, as specified in the qualification criteria and provided forms/templates.

Bidders are requested to clearly compile and index their submitted documents. The following table serves as a guide for Bidders to compile and index their bids. In case of discrepancies, the referenced clauses or sections take precedent over other parts of the table.

No.	Clause reference	Document	Template provided?	Location of template	Completed in full according to requirements, and submitted?
1	ITB 11.1 (a)(i)	Bid Submission Form	YES	(Section IV. Bidding Forms)	
2	ITB 11.1 (a)(ii)	Declaration of Undertaking	YES	(Section IV. Bidding Forms)	
3	ITB 11.1 (a)(iii)	Power of Attorney (authorized signatory)	NO	(free format)	
4	ITB 11.1 (b)(iii)	Bid Security	YES	(Section IV. Bidding Forms)	
5	ITB 11.1 (a)(iv)	Form ELI - 1.1: Bidder Information Form (<i>and Attachments</i>)	YES	(Section IV. Bidding Forms)	
6	ITB 11.1 (a)(iv)	Form ELI - 1.2: Bidder's JV Information Form (<i>if applicable</i>) (<i>and Attachments</i>)	YES	(Section IV. Bidding Forms)	
7	ITB 11.1 (a)(iv)	Form CON - 2: Historical Contract Non-Performance, Pending Litigation and Litigation History	YES	(Section IV. Bidding Forms)	
8	ITB 11.1 (a)(iv)	Form FIN - 3.1: Financial Situation and Performance (<i>and Attachments: Financial Documents</i>)	YES	(Section IV. Bidding Forms)	
9	ITB 11.1 (a)(iv)	Form FIN - 3.2: Average Annual Turnover	YES	(Section IV. Bidding Forms)	
10	ITB 11.1 (a)(iv)	Liquidity Letter issued by the Bidder's banker	NO	(free format)	
11	ITB 11.1 (a)(iv)	Form EXP - 4.1: Experience (<i>One form per contract</i>)	YES	(Section IV. Bidding Forms)	
12	ITB 11.1 (a)(iv)	Technical Capacity (CVs)	NO	(free format)	
13	ITB 16.4	Form SPA - 5.1: Spare Parts	YES	(Section IV. Bidding Forms)	
14	ITB 17.2 (b)	Local Agent (<i>if applicable</i>) (CVs, company description, certificate of registration, tax registration)	NO	(free format)	
15	ITB 11.1 (b)(ii)	Price Schedule: Goods Manufactured Outside the Purchaser's Country, to be Imported (<i>if applicable</i>) (<i>One schedule per Lot</i>)	YES	(Section IV. Bidding Forms)	
16	ITB 11.1 (b)(ii)	Price Schedule: Goods Manufactured Outside the Purchaser's Country, Already Imported (<i>if applicable</i>) (<i>One schedule per Lot</i>)	YES	(Section IV. Bidding Forms)	
17	ITB 11.1 (b)(ii)	Price Schedule: Goods Manufactured in the Purchaser's Country (<i>if applicable</i>) (<i>One schedule per Lot</i>)	YES	(Section IV. Bidding Forms)	
18	ITB 17.2 (a)	Manufacturer's Authorization (<i>required for listed items specified in Technical Specifications > "Manufacturer's Authorization"</i>)	YES (MA)	(Section IV. Bidding Forms)	
		(<i>General requirement: submit documentation as authorized dealer, distributor, reseller</i>)	NO	(free format)	
19	GCC 13	List of Goods and Delivery Schedule	YES	(Section VII.	

				<i>Schedule of Requirements</i>	
20	ITB 11.1 (b)(ii)	Lot 1: Technical Specifications (if applicable) (and Attachments: documentary evidence - catalogues/leaflets/literature)	YES	(Section VII. Schedule of Requirements)	
21	ITB 11.1 (b)(ii)	Lot 2: Technical Specifications (if applicable) (and Attachments: documentary evidence - catalogues/leaflets/literature)	YES	(Section VII. Schedule of Requirements)	
22	-	Any other supporting documentation, determined as relevant by the Bidder to their bid.	NO	(free format)	

Section IV. Bidding Forms

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Declaration of Undertaking

Reference name of the Application/Offer/Contract: ("Contract")¹

To: ("Project Executing Agency")

1. We recognise and accept that KfW only finances projects of the Project Executing Agency ("PEA")² subject to its own conditions which are set out in the Funding Agreement it has entered into with the PEA. As a matter of consequence, no legal relationship exists between KfW and our company, our Joint Venture or our Subcontractors under the Contract. The PEA retains exclusive responsibility for the preparation and implementation of the Tender Process and the performance of the Contract.
2. We hereby certify that neither we nor any of our board members or legal representatives nor any other member of our Joint Venture including Subcontractors under the Contract are in any of the following situations:
 - 2.1) being bankrupt, wound up or ceasing our activities, having our activities administered by courts, having entered into receivership, reorganisation or being in any analogous situation;
 - 2.2) convicted by a final judgement or a final administrative decision or subject to financial sanctions by the United Nations, the European Union or Germany for involvement in a criminal organisation, money laundering, terrorist-related offences, child labour or trafficking in human beings; this criterion of exclusion is also applicable to legal Persons, whose majority of shares are held or factually controlled by natural or legal Persons which themselves are subject to such convictions or sanctions;
 - 2.3) having been convicted by a final court decision or a final administrative decision by a court, the European Union, national authorities in the Partner Country or in Germany for Sanctionable Practice in connection with a Tender Process or the performance of a Contract or for an irregularity affecting the EU's financial interests (*in the event of such a conviction, the Applicant or Bidder shall attach to this Declaration of Undertaking supporting information showing that this conviction is not relevant in the context of this Contract and that adequate compliance measures have been taken in reaction*);
 - 2.4) having been subject, within the past five years to a contract termination fully settled against us for significant or persistent failure to comply with our contractual obligations during such Contract performance, unless this termination was challenged and dispute resolution is still pending or has not confirmed a full settlement against us;
 - 2.5) not having fulfilled the applicable fiscal obligations with regard to the payment of taxes at the respective tax residence and in the country of origin of the PEA (contractors based in Annex 1 countries (<https://www.consilium.europa.eu/de/policies/eu-list-of-non-cooperative-jurisdictions/>) must submit a fully completed and legally countersigned declaration of tax conformity (Appendix1 to the Declaration of Undertaking) in addition to the Declaration of Undertaking at the time of

¹ Capitalised terms used, but not otherwise defined in this Declaration of Undertaking have the meaning given to such term in KfW's "Guidelines for the Procurement of Consulting Services, Works, Goods, Plant and Non-Consulting Services in Financial Cooperation with Partner Countries".

² The PEA means the purchaser, the employer, the client, as the case may be, for the procurement of Consulting Services, Works, Plant, Goods or Non-Consulting Services.

award of the contract/contract review. This shall become an integral part of the contract. Failure to submit may result in exclusion from the awarding procedure. For contractors based in countries not listed as Annex I countries, only the Declaration of Undertaking must be submitted, and not the declaration of tax conformity;

2.6) being subject to an exclusion decision of the World Bank or any other multilateral development bank and being listed on the website <http://www.worldbank.org/debarr> or respectively on the relevant list of any other multilateral development bank (*in the event of such exclusion, the Applicant or Bidder shall attach to this Declaration of Undertaking supporting information showing that this exclusion is not relevant in the context of this Contract and that adequate compliance measures have been taken in reaction*); or

2.7) being guilty of misrepresentation in supplying the information required as condition to participation in this Tender Procedure.

3. We hereby certify that neither we, nor any of the members of our Joint Venture or any of our Subcontractors under the Contract are in any of the following situations of conflict of interest:

3.1) being an affiliate controlled by the PEA or a shareholder controlling the PEA, unless the stemming conflict of interest has been brought to the attention of KfW and resolved to its satisfaction;

3.2) having a business or family relationship with a PEA's staff involved in the Tender Process or the supervision of the resulting Contract, unless the stemming conflict of interest has been brought to the attention of KfW and resolved to its satisfaction;

3.3) being controlled by or controlling another Applicant or Bidder, or being under common control with another Applicant or Bidder, or receiving from or granting subsidies directly or indirectly to another Applicant or Bidder, having the same legal representative as another Applicant or Bidder, maintaining direct or indirect contacts with another Applicant or Bidder which allows us to have or give access to information contained in the respective Applications or Offers, influencing them or influencing decisions of the PEA;

3.4) being engaged in a Consulting Services activity, which, by its nature, may be in conflict with the assignments that we would carry out for the PEA;

3.5) in the case of procurement of Works, Plant or Goods:

- i. having prepared or having been associated with a Person who prepared specifications, drawings, calculations and other documentation to be used in the Tender Process of this Contract;
- ii. having been recruited (or being proposed to be recruited) ourselves or any of our affiliates, to carry out works supervision or inspection for this Contract;

4. If we are a state-owned entity, and compete in a Tender Process, we certify that we have legal and financial autonomy and that we operate under commercial laws and regulations.
5. We undertake to bring to the attention of the PEA, which will inform KfW, any change in situation with regard to points 2 to 4 here above.
6. In the context of the Tender Process and performance of the corresponding Contract:

6.1) neither we nor any of the members of our Joint Venture nor any of our Subcontractors under the Contract have engaged or will engage in any Sanctionable Practice during the Tender Process and in the case of being awarded a Contract will engage in any Sanctionable Practice during the performance of the Contract;

6.2) neither we nor any of the members of our Joint Venture or any of our Subcontractors under the Contract shall acquire or supply any equipment nor operate in any sectors under an embargo of the United Nations, the European Union or Germany; and

6.3) we commit ourselves to complying with and ensuring that our Subcontractors and major suppliers under the Contract comply with international environmental and labour standards, consistent with laws and regulations applicable in the country of implementation of the Contract and the fundamental conventions of the International Labour Organisation³ (ILO) and international environmental treaties. Moreover, we shall implement environmental and social risks mitigation measures when specified in the relevant environmental and social management plans or other similar documents provided by the PEA and, in any case, implement measures to prevent sexual exploitation and abuse and gender based violence.

7. In the case of being awarded a Contract, we, as well as all members of our Joint Venture partners and Subcontractors under the Contract will, (i) upon request, provide information relating to the Tender Process and the performance of the Contract and (ii) permit the PEA and KfW or an auditor appointed by either of them, and in the case of financing by the European Union also to European institutions having competence under European Union law, to inspect the respective accounts, records and documents, to permit on the spot checks and to ensure access to sites and the respective project.
8. In the case of being awarded a Contract, we, as well as all our Joint Venture partners and Subcontractors under the Contract undertake to preserve above mentioned records and documents in accordance with applicable law, but in any case for at least six years from the date of fulfillment or termination of the Contract. Our financial transactions and financial statements shall be subject to auditing procedures in accordance with applicable law. Furthermore, we accept that our data (including personal data) generated in connection with the preparation and implementation of the Tender Process and the performance of the Contract are stored and processed according to the applicable law by the PEA and KfW.

Name: _____ In the capacity of: _____

Duly empowered to sign in the name and on behalf of⁴: _____

³ In case ILO conventions have not been fully ratified or implemented in the Employer's country the Applicant/Bidder/Contractor shall, to the satisfaction of the Employer and KfW, propose and implement appropriate measures in the spirit of the said ILO conventions with respect to a) workers grievances on working conditions and terms of employment, b) child labour, c) forced labour, d) worker's organisations and e) non-discrimination.

⁴ In the case of a JV, insert the name of the JV. The person who will sign the application, bid or proposal on behalf of the Applicant/Bidder shall attach a power of attorney from the Applicant/Bidder.

Signature:

Dated:

Appendix 1**Declaration of tax conformity – binding confirmation for legal persons****Name of company**

I hereby confirm with my signature that:

1. I am authorised to make this declaration on behalf of the above company;
2. the company properly pays all taxes in accordance with the tax laws of the country in which the company is domiciled;
3. the company is not currently nor has been in the past involved in any legal proceedings concerning the taxation of the company;
4. the company will duly pay taxes that may arise from the provision of contracted services;
5. all information and statements provided in advance are complete, accurate in terms of content and currently correct.

.....

(Place)

.....

(Date)

.....

(Name of the consultant)

.....

(Signature(s))

Appendix 1**Declaration of tax conformity – binding confirmation for natural persons**

I hereby confirm with my signature that:

1. I make this declaration in my name/on my own account;
2. I duly pay taxes that I am obliged to pay under the tax law of my country of residence;
3. I am not currently involved in tax law court proceedings, nor have I been in the past;
4. I will duly pay taxes that may arise from the provision of contracted services;
5. I have filled in all the information and statements of this confirmation in full, accurately in terms of content and that they are up to date at this time.

.....		
(Place)	(Date)	(Name of the person)
		
		(Signature)

Form ELI - 1.1: Bidder Information Form

[The Bidder shall in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date: *[Insert]*

NCB No.: 511384

Page *[Insert]* of *[Insert]* pages

Bidder's name: <i>[Insert Bidder's legal name]</i>
In case of Joint Venture (JV), legal name of each member: <i>[Insert legal name of each member in JV]</i>
Bidder's actual or intended country of registration: <i>[Insert actual or intended country of registration]</i>
Bidder's year of registration: <i>[Insert Bidder's year of registration]</i>
Bidder's address in country of registration: <i>[Insert Bidder's legal address in country of registration]</i>
Bidder's Authorized Representative Information Name: <i>[Insert Authorized Representative's name]</i> Address: <i>[Insert Authorized Representative's address]</i> Telephone/Fax numbers: <i>[Insert Authorized Representative's telephone/fax numbers]</i> E-mail address: <i>[Insert Authorized Representative's email address]</i>
1. Attached are copies of original documents of <i>[Check the box(es) of the attached original documents]</i> ☐ Articles of Incorporation (or equivalent documents of constitution or association) and/or documents of registration of the legal entity named above, in accordance with ITB 4.5; ☐ In case of JV, letter of intent to form JV or JV agreement, in accordance with ITB 4.1; ☐ In case of a state-owned enterprise or institution, in accordance with ITB 4.3 documents establishing: a) Legal and financial autonomy; b) Operation under commercial law; c) Establishing that the Bidder is not dependent agency of the Purchaser. 2. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

Title of the person signing the Bid *[Insert complete title of the person signing the Bid]*

Signature of the person named above *[Signature of the person named above]*

Date signed *[Insert date of signing]* day of *[Insert month]* *[Insert year]*

Form ELI - 1.2: Bidder's JV Information Form

[The Bidder shall fill in this Form in accordance with the instructions indicated below. The following table shall be filled in for the Bidder and for each member of a Joint Venture. No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date: *[Insert]*

NCB No.: 511384

Page *[Insert]* of *[Insert]* pages

Bidder's name: <i>[Insert Bidder's legal name]</i>
Bidder's JV Member's name: <i>[Insert JV's Member legal name]</i>
Bidder's JV Member's country of registration: <i>[Insert JV's Member country of registration]</i>
Bidder's JV Member's year of registration: <i>[Insert JV Member's year of registration]</i>
Bidder's JV Member's legal address in country of registration: <i>[Insert JV's Member legal address in country of registration]</i>
Bidder's JV Member's Authorized Representative Information Name: <i>[Insert name of JV's Member Authorized Representative]</i> Address: <i>[Insert address of JV's Member Authorized Representative's]</i> Telephone/Fax numbers: <i>[Insert telephone/fax numbers of JV's Member Authorized Representative]</i> E-mail address: <i>[Insert email address of JV's Member Authorized Representative]</i>
1. Attached are copies of original documents of <i>[Check the box(es) of the attached original documents]</i> ☐ Articles of Incorporation (or equivalent documents of constitution or association) of the legal and/or documents of registration of the legal entity named above, in accordance with ITB 4.1 and ITB 4.5; ☐ In case of a state-owned enterprise or institution, in accordance with ITB 4.3 documents establishing: a) Legal and financial autonomy; b) Operation under commercial law; c) Establishing that the Bidder is not dependent agency of the Purchaser. 2. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

Title of the person signing the Bid *[Insert complete title of the person signing the Bid]*

Signature of the person named above *[Signature of the person named above]*

Date signed *[Insert date of signing]* day of *[Insert month]* *[Insert year]*

Form CON - 2: Historical Contract Non-Performance, Pending Litigation and Litigation History

[To be completed by the Bidder and by each member of the Bidder's JV]

Bidder's Name: *[Insert]*

Date: *[Insert]*

JV Member's Name: *[Insert or state "None" if the Bidder is not a Joint Venture]*

NCB No.: 511384

Page *[Insert]* of *[Insert]* pages

Non-Performed Contracts in accordance with Section III, Qualification and Evaluation Criteria			
☐ Contract non-performance did not occur since 1st January <i>[insert current year number less 5]</i> specified in Section III, Qualification and Evaluation Criteria, Qualification, subclause 2.1. Or <i>[Tick as appropriate]</i> ☐ Contract(s) not performed since 1st January <i>[insert current year number less 5]</i> specified in Section III, Qualification and Evaluation Criteria, Qualification, subclause 2.1 are as follows:			
Year	Non- performed Portion of Contract	Contract Identification	Total Contract Amount (current value, currency, exchange rate and €-equivalent)
<i>[Insert year]</i>	<i>[Insert amount and percentage]</i>	Contract Identification: <i>[Indicate complete contract name/ number, and any other identification]</i> Name of Purchaser: <i>[Insert full name]</i> Address of Purchaser: <i>[Insert street/city/country]</i> Reason(s) for non-performance: <i>[Indicate main reason(s)]</i>	<i>[Insert amount and values]</i>

Pending Litigation, in accordance with Section III, Qualification and Evaluation Criteria and Requirements			
☐ No pending litigation in accordance with Section III, Qualification and Evaluation Criteria and Requirements, Qualification, subclause 2.3. Or <i>[Tick as appropriate]</i>			
☐ Pending litigation in accordance with Section III, Qualification and Evaluation Criteria, Qualification, subclause 2.3 as indicated below:			
Year of dispute	Amount in dispute (currency)	Contract Identification	Total Contract Amount (currency), €-equivalent (exchange rate)
<i>[Insert year]</i>	<i>[Insert amount]</i>	Contract Identification: Name of Purchaser: Address of Purchaser: Matter in dispute: Party who initiated the dispute: Status of dispute:	<i>[Insert amount and values]</i>

Title of the person signing the Bid *[Insert complete title of the person signing the Bid]*

Signature of the person named above *[Signature of the person named above]*

Date signed *[Insert date of signing]* day of *[Insert month]* *[Insert year]*

Form FIN - 3.1: Financial Situation and Performance

[To be completed by the Bidder and by each member of the Bidder's JV]

Bidder's Name: *[Insert]*

Date: *[Insert]*

JV Member's Name: *[Insert or state "None" if the Bidder is not a Joint Venture]*

NCB No.: 511384

Page *[Insert]* of *[Insert]* pages

1. Financial Data

Type of Financial Information in <i>[Insert Bidder's home currency]</i>	Historic information for last available three (3) years ¹ (amount in Bidder's home-currency, exchange rate, €-equivalent)		
	<i>[Insert Year 1]</i>	<i>[Insert Year 2]</i>	<i>[Insert Year 3]</i>
Statement of Financial Position (Information from Balance Sheet)			
Total Assets (TA)	<i>[Insert value in Bidder's home currency]</i>	<i>[Insert value in Bidder's home currency]</i>	<i>[Insert value in Bidder's home currency]</i>
	<i>[Insert exchange rate]</i>	<i>[Insert exchange rate]</i>	<i>[Insert exchange rate]</i>
	<i>[Insert €-equivalent]</i>	<i>[Insert €-equivalent]</i>	<i>[Insert €-equivalent]</i>
Total Liabilities (TL)			
Total Equity/Net Worth (NW)			
Current Assets (CA)			
Current Liabilities (CL)			
Working Capital (WC)			
Information from Income Statement			
Total Revenue (TR)			
Profits Before Taxes (PBT)			
Cash Flow Information			
Cash Flow from Operating Activities			

¹ *[In circumstances where it is of utmost importance that Bidders have a longer company history, this requirement may be increased to up to five (5) years; if such a longer period is chosen, please amend the revised number of years throughout this table].*

2. Financial Documents

The Bidder and its parties shall provide copies of financial statements for **the last available three (3) years** pursuant Section III, Qualification and Evaluation Criteria, Qualification, Sub-factor 3.1.

The financial statements shall:

- (a) Reflect the financial situation of the Bidder or in case of JV member, and not an affiliated entity (such as parent company or group member);
 - (b) Be independently audited or certified in accordance with local legislation;
 - (c) Be complete, including all notes to the financial statements;
 - (d) Correspond to accounting periods already completed and audited.
- ☐ **Attached are copies of financial statements² for the last available three (3) years** required above and complying with the requirements.

Title of the person signing the Bid *[Insert complete title of the person signing the Bid]*

Signature of the person named above *[Signature of the person named above]*

Date signed *[Insert date of signing]* day of *[Insert month]* *[Insert year]*

² If the most recent set of financial statements is for a period earlier than 12 months from the date of bid, the reason for this should be justified.

Form FIN - 3.2: Average Annual Turnover

[To be completed by the Bidder and by each member of the Bidder's JV]

Bidder's Name: *[Insert]*

Date: *[Insert]*

JV Member's Name: *[Insert or state "None" if the Bidder is not a Joint Venture]*

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Page *[Insert]* of *[Insert]* pages

Annual Turnover Data			
Year	Currency & Amount	Exchange Rate	€-equivalent
Average Annual Turnover ¹			

Title of the person signing the Bid *[Insert complete title of the person signing the Bid]*

Signature of the person named above *[Signature of the person named above]*

Date signed *[Insert date of signing]* day of *[Insert month]* *[Insert year]*

¹ See Section III, Qualification and Evaluation Criteria, Qualification, Sub-Factor 3.2

Form EXP - 4.1: Experience

(To be completed by the Bidder and by each member of the Bidder's JV)

Bidder's Legal Name: *[Insert]*

Date: *[Insert]*

JV Member's Legal Name: *[Insert]*

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Note: fill out one form for each contract (refer to minimum requirements stated in Section III. Evaluation and Qualification Criteria, 4.1 "Similar Experience")

Similar Contract No. <i>[Insert specific number]</i> of <i>[Total number of contracts]</i> required	Information	
Contract Identification:		
Award date:		
Completion date:		
Role in Contract:		
Total contract amount:		€ equivalent: <i>[Insert]</i>
If member in a JV, specify participation in total contract amount:	<i>[Insert]</i> %	€ equivalent: <i>[Insert]</i>
Purchaser's Name:		
Address:		
Telephone/fax number:		
E-mail:		
Description of the similarity in accordance with Sub-Factor 4.1 or 4.2 of Section III:		
Amount		
Physical size		
Complexity		
Methods/Technology		
Other Characteristics		

Title of the person signing the Bid *[Insert complete title of the person signing the Bid]*

Signature of the person named above *[Signature of the person named above]*

Date signed *[Insert date of signing]* day of *[Insert month]* *[Insert year]*

Form SPA - 5.1: Spare Parts

[To be completed by the Bidder and by at least one member of the Bidder's JV]

Bidder's Legal Name: *[Insert]*

Date: *[Insert]*

JV Member's Legal Name: *[Insert]*

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We confirm that, if awarded the Contract, spare parts will be available on short notice, through us / our local agent / the manufacturer-appointed official representative *[Select as appropriate]*.

We further confirm that, if awarded the Contract, we (i) will carry sufficient inventories to assure ex-stock supply of consumables and consumable spares, and other spare parts and components will be supplied as promptly as possible but in any case within 90 days of placement of order; (ii) will be for a period of 5 (five) years from the date of delivery and commissioning under obligation to supply spare parts, and will, in the event of termination of production of the spare parts, send an advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements

Title of the person signing the Bid *[Insert complete title of the person signing the Bid]*

Signature of the person named above *[Signature of the person named above]*

Date signed *[Insert date of signing]* day of *[Insert month]* *[Insert year]*

Bid Submission Form

[The Bidder shall prepare his Bid Submission Form on a Letterhead paper specifying the Bidder's complete name, address and communication details].

[Note: All italicized text is for use in preparing these forms by bidders and shall be deleted from the final document.]

Date: *[Insert date]*

NCB No.: 511384

To: *[Insert complete name of Purchaser]*

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda *[Insert Addenda No./Nos., if any]* issued in accordance with Instructions to Bidders (ITB 8);
- (b) We meet the eligibility requirements and have no conflict of interest in accordance with ITB 4;
- (c) We have not been suspended nor declared ineligible by the Purchaser based on execution of a Bid Securing Declaration in the Purchaser's country in accordance with ITB 4.4;
- (d) We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedule(s) specified in the Schedule of Requirements the following Goods: *[Insert a brief description of the Goods and Related Services]*;
- (e) The total price of our Bid, excluding any discounts offered in item (f) below is:
 - i) In case of only one lot, total price of the Bid is: *[Insert total price and currency in words and figures] [Delete if multiple lots are offered]*
 - ii) In case of multiple lots, total price of each lot is: *[Insert a list/table showing the total price and currency in words and figures for each lot offered] [Delete if only one lot is offered]*
 - iii) In case of multiple lots, total price of all lots (sum of all lots) is: *[Insert the total price and currency in words and figures for all lots offered] [Delete if only one lot is offered]*
- (f) The discounts offered and the methodology for their application are:
 - i) The discounts offered are: *[Specify in detail each discount offered; if no discount is offered state "None"]*
 - ii) The exact method of calculations to determine the net price after application of discounts is: *[Specify in detail the method that shall be used to apply the offered discounts; if no discount is offered state "None"]*
- (g) Our bid shall be valid for a period of *[Insert the number of calendar days]* days from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

- (h) If our bid is accepted, we commit to obtain and submit a performance security in accordance with ITB 42 of the Bidding Documents;
- (i) We are not participating, as a Bidder, in more than one bid in this bidding process in accordance with ITB 4.2(e), other than alternative bids submitted in accordance with ITB 13;
- (j) We, along with any of our subcontractors, suppliers, consultants, manufacturers, or service providers for any part of the contract, are not subject to, and not controlled by an entity or individual that is subject to, a temporary suspension or a debarment imposed by a member of the World Bank Group or a debarment imposed by the KfW, the World Bank in accordance with the Agreement of Mutual Enforcement of Debarment Decisions between the World Bank and other development banks, or any other similar funding agency;
- (k) We have paid, or will pay the following commissions, gratuities, or fees with respect to the bidding process or execution of the Contract: *[Insert complete name of each recipient, its full address, the reason for which each commission, gratuity or fee was or will be paid and the amount and currency of each such commission, gratuity or fee]*

Name of Recipient	Address	Reason	Amount

[If none has been paid or is to be paid, insert "none"].

- (l) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed;
- (m) We understand and accept that (i) the Purchaser is not bound to accept the lowest evaluated bid or any other bid that the Purchaser may receive, and (ii) the Purchaser reserves the right to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to Bidders; and
- (n) We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in any type of fraud and corruption.

Name of the Bidder *[Insert the complete name of the bidder; in the case of a Bid submitted by a Joint Venture insert the name of the Joint Venture as Bidder]*

Name of the person duly authorized to sign the Bid on behalf of the Bidder *[Insert complete name of the person duly authorised to sign the Bid; the person signing the Bid shall have the power of attorney given by the Bidder to be attached with the Bid Schedules]*

Title of the person signing the Bid *[Insert complete title of the person signing the Bid]*

Signature of the person named above *[Signature of the person named above]*

Date signed *[Insert date of signing]* day of *[Insert month]* *[Insert year]*

Price Schedule Forms

*[The Bidder shall fill in these Price Schedule Forms in accordance with the instructions indicated. The list of line items in column 1 of the **Price Schedules** shall coincide with the List of Goods and Related Services specified by the Purchaser in the Schedule of Requirements; separate **Price Schedules** must be submitted for each lot offered].*

Price Schedule: Goods Manufactured Outside the Purchaser's Country, to be Imported

(Group C bids, goods to be imported) ¹ Currencies in accordance with ITB Sub-Clause 15						Date: <i>[Insert]</i>	
						NCB No.: 511384	
						Lot No.: <i>[Insert, if applicable]</i>	
						Page <i>[Insert]</i> of <i>[Insert]</i>	
1	2	3	4	5	6	7	8
Line Item No.	Description of Goods	Country of Origin	Delivery Time in Days at named place of CIP <i>[Insert destination (port-of-entry)]</i>	Quantity and Physical Unit	Unit Price & Currency DDP <i>[Insert named place of destination]</i> in accordance with ITB 14.8(b)(i)	Unit Price & Currency Related Services (handling, inland transportation to final destination(s), commissioning, and where applicable installation and training in accordance with ITB 14.8(b)(ii)	Total Price & Currency per Line item (Col. (6+7)x5)
<i>[Insert number of the item]</i>	<i>[Insert name of Goods]</i>	<i>[Insert country of origin of the Goods]</i>	<i>[Insert quoted Delivery Time in days]</i>	<i>[Insert number of units to be supplied and name of the physical unit]</i>	<i>[Insert currency & unit price CIP per unit]</i>	<i>[Insert currency & unit price for all required local services]</i>	<i>[Insert currency & total price of the line item]</i>
Total Price (including currency) DDP plus local services (if any) <i>[Insert name of Purchaser's Country]</i>							

Name of Bidder *[Insert complete name of Bidder]* Signature of Bidder *[Signature of person(s) signing the Bid]* Date *[Insert Date]*

¹ Delete if domestic preference is not applicable.

Price Schedule: Goods Manufactured Outside the Purchaser's Country, Already Imported

(Group C bids, goods already imported) ¹ Currencies in accordance with ITB Sub-Clause 15								Date: <i>[Insert]</i>	
								NCB No.: 511384	
								Lot No.: <i>[Insert, if applicable]</i>	
								Page <i>[Insert]</i> of <i>[Insert]</i>	
1	2	3	4	5	6	7	8	9	10
Line Item No.	Description of Goods	Country of Origin	Delivery Time in Days at named place of CIP destination <i>[Insert final destination(s) in the Purchaser's country]</i>	Quantity and Physical unit	DDP Unit Price & Currency excluding Custom Duties and Import Taxes paid, in accordance with ITB 14.8(c)(i)	Unit Price & Currency Related Services (handling, commissioning, and where applicable installation and training in accordance with ITB 14.8(c)(ii))	Custom Duties and Import Taxes paid & Currency per unit in accordance with ITB 14.8(c)(iii), [to be supported by documents]	Sales and other taxes paid or payable & Currency per item if Contract is awarded, in accordance with ITB 14.8(c)(iv)	Currency & Total Price per line item (Col. (6+7)x5)
<i>[Insert number of the item]</i>	<i>[Insert name of Goods]</i>	<i>[Insert country of origin of the Goods]</i>	<i>[Insert quoted Delivery Time in days]</i>	<i>[Insert number of units to be supplied and name of the physical unit]</i>	<i>[Insert unit price per unit]</i>	<i>[Insert currency & unit price for all required local services]</i>	<i>[Insert custom duties and taxes paid & currency per unit]</i>	<i>[Insert sales and other taxes payable & currency per item if Contract is awarded]</i>	<i>[Insert currency & total price per line item]</i>
Total Price (including currency) DDP plus local services (if any) <i>[Insert name of Purchaser's Country]</i>									

Name of Bidder *[Insert complete name of Bidder]* Signature of Bidder *[Signature of person(s) signing the Bid]* Date *[Insert Date]*

Price Schedule: Goods Manufactured in the Purchaser's Country

¹ Delete if domestic preference is not applicable.

(Group A and B bids) ²							Date: <i>[Insert]</i>	
Currencies in accordance with ITB Sub-Clause 15							NCB No.: 511384	
							Lot No.: <i>[Insert, if applicable]</i>	
							Page <i>[Insert]</i> of <i>[Insert]</i>	
1	2	3	4	5	6	7 ³	8	9
Line Item No.	Description of Goods	Delivery Time in Days at named place of destination	Quantity and Physical unit	Unit Price & Currency DDP	Unit Price & Currency Related Services (handling, commissioning, and where applicable installation and training in accordance with ITB 14.8(a)(ii))	Cost of local labor, raw materials, transportation, insurance and components with origin in the Purchaser's Country % of Col. 5	Sales and other taxes payable per line item if Contract is awarded, in accordance with ITB 14.8(a)(iii)	Total Price & Currency per line item (Col. (5+6) x 4)
<i>[Insert number of the item]</i>	<i>[Insert name of Goods]</i>	<i>[Insert quoted Delivery Time in days]</i>	<i>[Insert number of units to be supplied and name of the physical unit]</i>	<i>[Insert CIP unit price & currency]</i>	<i>[Insert currency & unit price for all required local services]</i>	<i>[Insert cost of local labor, raw material, transportation, insurance and components from within the Purchase's country as a % of the CIP price per line item]</i>	<i>[Insert sales and other taxes payable per line item if Contract is awarded]</i>	<i>[Insert total price & currency per item]</i>
Total Price (including currency) DDP plus local services (if any) <i>[Insert name of Purchaser's Country]</i>								

Name of Bidder *[Insert complete name of Bidder]* Signature of Bidder *[Signature of person(s) signing the Bid]* Date *[Insert Date]*

² Delete if domestic preference is not applicable.

³ This column is not required if domestic preference is not applicable.

[Note: All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.]

Bid Security

Beneficiary: *[Insert name and Address of Purchaser]*

Date: *[Insert date of issue]*

BID GUARANTEE No.: *[Insert guarantee reference number]*

Guarantor: *[Insert name and address of place of issue, unless indicated in the letterhead]*

We have been informed that *[Insert name and address of the bidder, which in the case of a joint venture shall be the name and address of the joint venture]* (hereinafter called "the Applicant") has submitted or will submit to the Beneficiary its bid (hereinafter called "the Bid") for the supply of *[Insert project, object of the contract/brief description of the goods and related services]* under National Competitive Bidding No. 511384.

Waiving all objections and defenses, we, as Guarantor, hereby irrevocably and independently undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of *[Insert guarantee amount and currency in words and figures]* upon receipt by us of the Beneficiary's first demand, supported by the Beneficiary's statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating that either the Applicant:

- (a) Has withdrawn its Bid during the period of bid validity set forth in the Applicant's Bid Submission Form (the Bid Validity Period"); or
- (b) Having been notified of the acceptance of its Bid by the Beneficiary during the Bid Validity Period, (i) has failed to sign the contract agreement, or (ii) has failed to furnish the performance security, in accordance with the Instructions to Bidders ("ITB") of the Beneficiary's bidding document.

This guarantee shall expire not later than *[Insert expiry date]*¹.

By this date we must have received any claims for payment by letter or encoded telecommunication.

It is understood that you will return this guarantee to us on expiry or after payment of the total amount to be claimed hereunder.

[As preferred option regarding guarantee rules insert²: This guarantee is subject to the Uniform Rule for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758.]

Place, date

Guarantor's authorized signature(s)

¹ Pursuant to ITB Clause 19.3 the guarantee must be valid for at least 42 days beyond the bid validity.

² In the case the issuing bank will not add the preferred option, the following must be added instead: This guarantee is governed by the laws of *[Insert country of jurisdiction]*. Note: the country of jurisdiction shall be the country where the bank's branch issuing the guarantee is physically located.

Manufacturer's Authorization

*[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The Bidder shall include it in its bid, if so indicated in the **BDS**, and for Items listed in the **BDS** and/or **Specifications**]*

[Note: All italicized text is for use in preparing these forms by bidders and shall be deleted from the final document.]

Date: *[Insert date]*

NCB No.: 511384

To: *[Insert complete name of Purchaser]*

WHEREAS

We *[Insert complete name of Manufacturer]*, who are official manufacturers of *[Insert type of goods manufactured]*, having factories at *[Insert full address of Manufacturer's factories]*, do hereby authorize *[Insert complete name of Bidder]* to submit a bid the purpose of which is to provide the following Goods, manufactured by us:

[Insert name and or brief description of the Goods],

and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 28 of the General Conditions of Contract, with respect to the Goods offered by the above firm.

Signed: *[Insert signature(s) of authorized representative(s) of the Manufacturer]*

Name: *[Insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title: *[Insert title]*

Date signed *[Insert date of signing]* day of *[Insert month]* *[Insert year]*

Section V. Eligibility Criteria

Eligibility in KfW-Financed Procurement

1. Consulting Services, Works, Goods, Plant and Non-Consulting Services are eligible for KfW financing regardless of the country of origin of the Contractors (including Subcontractors and suppliers for the execution of the Contract), except where an international embargo or sanction by the United Nations, the European Union or the German Government applies.
2. Applicants/Bidders (including all members of a Joint Venture and proposed or engaged Subcontractors) shall not be awarded a KfW-financed Contract if, on the date of submission of their Application/Offer or on the intended date of Award of a Contract, they:
 - 2.1 are bankrupt or being wound up or ceasing their activities, are having their activities administered by courts, have entered into receivership, or are in any analogous situation;
 - 2.2 have been
 - (a) convicted by a final judgement or a final administrative decision or subject to financial sanctions by the United Nations, the European Union and/or the German Government for involvement in a criminal organisation, money laundering, terrorist-related offences, child labour or trafficking in human beings; this criterion of exclusion is also applicable to legal Persons, whose majority of shares are held or factually controlled by natural or legal Persons which themselves are subject to such convictions or sanctions;
 - (b) convicted by a final court decision or a final administrative decision by a court, the European Union or national authorities in the Partner Country or in Germany for Sanctionable Practice during any Tender Process or the performance of a Contract or for an irregularity affecting the EU's financial interests, unless they provide supporting information together with their Declaration of Undertaking (Form available as Appendix to the Application/Offer which shows that this conviction is not relevant in the context of this Contract and that adequate compliance measures have been taken in reaction;
 - 2.3 have been subject within the past five years to a Contract termination fully settled against them for significant or persistent failure to comply with their contractual obligations during Contract performance, unless this termination was challenged and the dispute resolution is still pending or has not confirmed a full settlement against them;
 - 2.4 have not fulfilled applicable fiscal obligations regarding payments of taxes either in the country where they are constituted or the PEA's country;
 - 2.5 are subject to an exclusion decision of the World Bank or any other multilateral development bank and are listed in the respective table with debarred and cross-debarred firms and individual available on the World Bank's website or any other multilateral development bank unless they provide supporting information together with their Declaration of Undertaking which shows that this exclusion is not relevant in the context of this Contract or
 - 2.6 have given misrepresentation in documentation requested by the PEA as part of the Tender Process of the relevant Contract.

- 3 State-owned entities may compete only if they can establish that they (i) are legally and financially autonomous, and (ii) operate under commercial law. To be eligible, a state-owned entity shall establish to KfW's satisfaction, through all relevant documents, including its charter and other information KfW may request, that it: (i) is a legal entity separate from their state (ii) does not currently receive substantial subsidies or budget support; (iii) operates like any commercial enterprise, and, inter alia, is not obliged to pass on its surplus to their state, can acquire rights and liabilities, borrow funds and be liable for repayment of its debts, and can be declared bankrupt

Section VI. KfW Policy – Sanctionable Practice – Social and Environmental Responsibility

1) Sanctionable Practice

The PEA and the Contractors (including all members of a Joint Venture and proposed or engaged Subcontractors) must observe the highest standard of ethics during the Tender Process and performance of the Contract.

By signing the Declaration of Undertaking the Contractors declare that (i) they did not and will not engage in any Sanctionable Practice likely to influence the Tender Process and the corresponding Award of Contract to the PEA's detriment, and that (ii) in case of being awarded a Contract they will not engage in any Sanctionable Practice.

Moreover, KfW requires to include in the Contracts a provision pursuant to which Contractors must permit KfW and in case of financing by the European Union also to European institutions having competence under European law to inspect the respective accounts, records and documents relating to the Tender Process and the performance of the Contract, and to have them audited by auditors appointed by KfW.

KfW reserves the right to take any action it deems appropriate to check that these ethics rules are observed and reserves, in particular, the rights to:

- (a) reject an Offer for Award of Contract if during the Tender Process the Bidder who is recommended for the Award of Contract has engaged in Sanctionable Practice, directly or by means of an agent in view of being awarded the Contract;
- (b) declare misprocurement and exercise its rights on the ground of the Funding Agreement with the PEA relating to suspension of disbursements, early repayment and termination if, at any time, the PEA, Contractors or their legal representatives or Subcontractors have engaged in Sanctionable Practice during the Tender Process or performance of the Contract without the PEA having taken appropriate action in due time satisfactory to KfW to remedy the situation, including by failing to inform KfW at the time they knew of such practices.

KfW defines, for the purposes of this provision, the terms set forth below as follows:

Coercive Practice	The impairing or harming, or threatening to impair or harm, directly or indirectly, any person or the property of the person with a view to influencing improperly the actions of a person.
Collusive Practice	An arrangement between two or more persons designed to achieve an improper purpose, including influencing improperly the actions of another person.
Corrupt Practice	The promising, offering, giving, making, insisting on, receiving, accepting or soliciting, directly or indirectly, of any illegal payment or undue advantage of any nature, to or by any person, with the intention of influencing the actions of any person or causing any person to refrain from any action.
Fraudulent Practice	Any action or omission, including misrepresentation that knowingly

or recklessly misleads, or attempts to mislead, a person to obtain a financial benefit or to avoid an obligation.

Obstructive Practice Means (i) deliberately destroying, falsifying, altering or concealing evidence material to the investigation or the making of false statements to investigators, in order to materially impede an official investigation into allegations of a Corrupt Practice, Fraudulent Practice, Coercive Practice or Collusive Practice, or threatening, harassing or intimidating any Person to prevent them from disclosing their knowledge of matters relevant to the investigation or from pursuing the investigation, or (ii) any act intended to materially impede the exercise of KfW's access to contractually required information in connection with an official investigation into allegations of a Corrupt Practice, Fraudulent Practice, Coercive Practice or Collusive Practice.

Sanctionable Practice Any Coercive Practice, Collusive Practice, Corrupt Practice, Fraudulent Practice or Obstructive Practice (as such terms are defined herein) which is unlawful under the Financing Agreement.

2) Social and Environmental Responsibility

Projects financed in whole or partly in the framework of Financial Cooperation have to ensure compliance with international Environmental, Social, Health and Safety (ESHS) standards (including issues of sexual exploitation and abuse and gender based violence) Contractors in KfW-financed projects shall consequently undertake in the respective Contracts to:

- (a) comply with and ensure that all their Subcontractors and major suppliers, i.e. for major supply items comply with international environmental and labour standards, consistent with applicable law and regulations in the country of implementation of the respective Contract and the fundamental conventions of the International Labour Organisation¹ (ILO) and international environmental treaties and;
- (b) implement any environmental and social risks mitigation measures, as identified in the environmental and social impact assessment (ESIA) and further detailed in the environmental and social management plan (ESMP) as far as these measures are relevant to the Contract and implement measures for the prevention of sexual exploitation and abuse and gender-based violence

¹ In case ILO conventions have not been fully ratified or implemented in the Employer's country the Applicant/Bidder/Contractor shall, to the satisfaction of the Employer and KfW, propose and implement appropriate measures in the spirit of the said ILO conventions with respect to a) workers grievances on working conditions and terms of employment, b) child labour, c) forced labour, d) worker's organisations and e) non-discrimination.

PART 2 – Supply Requirements

Section VII. Schedule of Requirements

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List of Goods and Delivery Schedule

[The Purchaser shall fill in this table, with the exception of the column "Bidder's offered Delivery date" to be filled by the Bidder. The item list should be identical to the Price Schedule (Section IV); alternatively, lot numbers may be used if the required delivery time is identical for all items of a lot]

Line Item No. or Lot No.	Description of Goods	Quantity ¹	Physical Unit ¹	Named Place of Destination as specified in BDS	Delivery (as per Incoterms) Date		
					Earliest Delivery Date ² at named place of destination	Latest Delivery Date at named place of destination	Bidder's offered Delivery date at named place of destination [to be provided by the bidder]
<i>[Insert item or lot no]</i>	<i>[Insert description of Goods]</i>	<i>[Insert quantity of item to be supplied]</i>	<i>[Insert physical unit for the quantity]</i>	<i>[Insert named place of destination, typically the point-of-entry / place of customs clearance]</i>	<i>[Insert the number of days following the date of signature of the Contract]</i>	<i>[Insert the number of days following the date of signature of the Contract]</i>	<i>[Insert the number of days following the date of signature of the Contract]</i>
G02-Lot 1	Plumbing Basic WS Plumbing Sheet Metal WS Plumbing Basic WS Plumbing WS	-	-	Kitale NP Kitale NP Bumbe TT Nyamira NP	90 days	150 days	
G02-Lot 2	IT equipment IT equipment IT equipment			Kitale NP Bumbe TT Nyamira NP	90 days	150 days	

¹ Only required to be filled in case of line items being listed; not required for lots.

² Earliest delivery date is used in cases where the Purchaser cannot accept delivery before a specific date, e.g. if construction work is still under way; if there is no earliest delivery date required, leave this column blank.

G02- Lot 3	Furniture Furniture Furniture			Kitale NP Bumbe TTI Nyamira NP	90 days	150 days	

2. List of Related Services and Completion Schedule

[This table shall be filled in by the Purchaser. The Required Completion Dates should be realistic, and consistent with the required Goods Delivery Dates]

Service No.	Description of Service	Quantity¹	Physical Unit¹	Place where Services shall be Performed	Final Completion Date(s) of Services
<i>[Insert Service No]</i>	<i>[Insert description of Related Services]</i>	<i>[Insert quantity of items to be supplied]</i>	<i>[Insert physical unit for the items]</i>	<i>[Insert name(s) of the Place]</i>	<i>[Insert required Completion Date(s)]</i>
Lot 1 - 2	<i>Inland transportation</i>	As per ITB & BoQ		Place at relevant Institute	As per contract
Lot 1 - 2	<i>Installation</i>	As per ITB & BoQ		Place at relevant Institute	As per contract
Lot 1 - 2	<i>Commissioning</i>	As per ITB & BoQ		Place at relevant Institute	As per contract
Lot 1 - 2	<i>Initial training</i>	As per ITB & BoQ		Place at relevant Institute	As per contract
Lot 1 - 2	<i>[Servicing and maintenance]²</i>	As per ITB & boQ		Place at relevant Institute	As per contract
	<i>[List of spare parts]²</i>	None			
	<i>[List of consumables]²</i>	None			

¹ Only use if quantity/physical unit can be clearly attributed.

3. Technical Specifications

[For each item or related services, a detailed technical specification shall be provided here. It shall specify whether installation, commissioning, initial training, user's manual, warranty period, servicing, maintenance, spare parts, consumables should be included or not in the Price.]

Bidder shall note that specifications, standards for workmanship, material and equipment, and open or hidden references to brand names or catalogue numbers, designated by the Purchaser in the Specifications, are intended to be descriptive only and not restrictive. The bidder may substitute other specifications, authoritative standards, brand names and/or catalogue numbers in its Bid, provided that it demonstrates to the Purchaser's satisfaction that the substitutions are equivalent or superior to those designated in the Specifications.

All Goods offered by Bidders and supplied by the successful Bidders must be new and unused, be of the most recent or current models, and must incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

List of Bid Packages

List of Bid Packages		
Lot	Institute	Description
1	Kitale	Plumbing Basic (PB)
		Plumbing Sheet Metal (PSM)
2	Kitale	IT Equipment (IT)
3	Kitale	Furniture (FU)
Lot	Institute	Description
1	Bumbe	Plumbing Basic (PB)
2	Bumbe	IT Equipment (IT)
3	Bumbe	Furniture (FU)
Lot	Institute	Description
1	Ekerubo	Plumbing Basic (PB)
2	Ekerubo	IT Equipment (IT)
3	Ekerubo	Furniture (FU)

Bidders shall provide a clause-by-clause commentary (see attached table) on the Purchaser's specifications, demonstrating the Goods' and related Services' responsiveness to those specifications or a statement of deviation and exceptions to the provisions of the Purchaser's specifications. General replies to the Purchaser's specifications, such as 'acceptable', 'comply', 'yes', etc., or simply copying the Purchaser's specifications word-by-word, will be treated without exception as non-responsive during the technical evaluation; bidders are

also requested to strictly refrain from self-classification of their replies to the Purchaser's specifications (such as 'better', 'compliant', 'acceptable', etc.); any statement made by the Bidder(s) must be verifiable in the provided catalogues/leaflets/literature ('custom-made' catalogues/leaflets/literature, i.e. literature specifically manufactured for this tender, and e.g. only consisting of a picture and some text, and generally appearing unprofessional, will not be accepted).

Technical Evaluation

The technical evaluation shall be conducted based on a thorough comparison of the Bidder's offered specifications against the Purchaser's required specifications, using the following four (4) evaluation terms: comply (an item complies with, or exceeds, the Purchaser's specifications; the classification 'exceeds specification' shall be used rational and an excessive overspecification, e.g. in terms of capacity, size, power, shall not be considered and accepted), acceptable (an item does not fully comply with the Purchaser's specifications, has minor deviations, but fulfills perfectly well the intended purpose), borderline (an item deviates considerably from the Purchaser's specifications, but may just be considered for the purpose intended; this classification is not permitted for major items), and not comply (an item deviates to an extent not suitable for the intended purpose).

Bidder's Technical Capacity

Bidder's must have at ***least two (2) to be proven with CVs, qualified equipment technicians or engineers***, certified by the manufacturer(s) where appropriate, for the purpose of installation and training, and available to support the local agent for after sales services on short notice.

Standards and Certifications

Standards and certifications can be a helpful requirement and complement specifications.

Standards typically refer to goods, and required goods' compliance with specific standards; if national standards are used, the Purchaser should add 'or equivalent'.

If specific items are to comply with certain standards, these standards shall be stated in the Purchaser's specifications for each applicable item. Purchasers shall refrain from requesting Bidders to state to which standards their products comply, but must instead specify specific standards if so required.

Certifications typically refer to manufacturers and/or bidders.

In some cases it may be beneficial to require either the bidder or the manufacturer, or both, to be certified; the most common certification is the ISO 9000 series, and ISO 9001 in particular; however, under ISO 9001 a variety of processes can be certified (e.g. management processes, production processes, etc.), which are not always relevant for the Purchaser, and do generally not

reflect on the quality of Goods offered. For specific cases (example: medical equipment/supplies: ISO 13485) manufacturer/bidder-specific certifications shall be required by the Purchaser.

Spare Parts Requirements

Spare parts must be available on short notice, through the bidder, the bidder's local agent or the manufacturer-appointed official representative of the goods. In case mandatory consumables and/or spare parts are required for the proper functioning of equipment for an initial given period of time, these are clearly listed/specified in the technical specifications within the BoQ.

After Sales Service (Local Agent)

The bidder's local agent, in the Purchaser's country, must be a qualified firm handling goods' similar to those offered within their business activities, and must have at least **two (2) – to be proven with CVs - adequate and qualified maintenance and service staff**, certified by the manufacturer(s) where appropriate, for the goods offered by the bidder. **A brief description of the local agent, including registration/licence documents and proof of tax registration shall also be provided.**

Common Specifications & Requirements

The equipment and accessories are intended to be used in technical vocational education and training in Kenya, in an as much as possible near praxis environment. The following specifications are common to all relevant items. In their bids, bidders must include information indicating compliance with these requirements.

- a) Electrical items must perform correctly, safely, and be compatible with the public Kenyan electricity supply, in terms of voltage, frequency, and interface. Bidders must factor in this requirement in their offers for electrical items.
- b) All equipment items must be provided with an instruction / user manual in the English language.
- c) All equipment items must be provided with the relevant safety and/or quality certificates (e.g. CE-marking, compliance to relevant or mandatory ISO standards).
- d) All equipment items must include a warranty in accordance with Contract Conditions, Section 28 "Warranty", valid in Kenya.
- e) In their bids, bidders must provide 1) Table of Contents 2) Sample pages for teaching instructions / books for students and trainers (if such items are required in the lot or tender).

Purchaser's and Supplier's Responsibilities for Installation and Work on Site

The following table stipulates the responsibilities of the Purchaser and Supplier; the Supplier shall coordinate with the Beneficiary Institutions (with copy to the

Purchaser) all work preparations to be done by the Beneficiary Institutions before delivery takes place.

For All Lots:

Item	Subject	Assignment	Responsibility
1	Preparation	Each workshop/laboratory/etc. at the Project Site(s), including the necessary outlets for electricity, water supply, drain, etc., installed and functional	Purchaser
		Listing requirements for above	Supplier
2	Transportation	Arranging transportation and insurance DDP place of entry, and after customs clearance to each Project Site at the final locations in workshops, laboratories and class-rooms	Supplier
		Storage on site in an easily accessible storage room at the Purchaser's premises	Supplier
		Lifting and handling on site	Supplier
		Supervision of above	Supplier
		Unpacking and checking against the contract	Purchaser and Supplier
		Processing of damages and/or insurance claims	Purchaser and Supplier
3	Installation	Foundation works for equipment (including materials)	Purchaser
		Listing requirements for above	Supplier
		Supply of utilities for installation	Purchaser
		All necessary material to connect various items into functioning systems	Supplier
		Installation	Supplier
4	Electric Wiring	Up to the required sockets at point of installation	Purchaser
		Listing requirements for above	Supplier
5	Ancillary Items	Any ancillary items required for the proper operation of each item, unless part of the specifications	Purchaser

Item	Subject	Assignment	Responsibility
6	User Training	For items defined and listed in the specifications	Supplier

Installation for Major Items

All items must be brand new, fully assembled and functional while delivering at final destinations, or must be assembled on site.

Initial User Training for Major Items

As per BoQ and technical specifications

User Manuals

User manuals are a standard and must be delivered by the supplier in English language.

Maintenance & Consumable Requirements

Maintenance services and consumables must be available from the supplier's appointed local agent.

If the technical specifications already specify maintenance services, spare parts and/or consumables as separate line items, then bidders are required to provide their quotations for such items

Environmental, Social, Health and Safety (ESHS) Requirements

In accordance with the Technical Specifications and KfW Declaration of Undertaking

Labour & Safety

Suppliers shall comply with and ensure that all their staff, local agents, subcontractors and subconsultants comply during installation/commissioning with core labour standards, consistent with applicable laws and regulations in the Purchaser's country, including the fundamental conventions of the International Labour Organisation (ILO).

During installation/commissioning the Supplier must ensure that all involved staff is wearing protective gear (hard hats, protective shoes, protective clothing, protective gloves, etc.).

Environment & Health

Suppliers shall comply with and ensure that all their staff, local agents, subcontractors and subconsultants comply during installation/commissioning with international environmental standards, consistent with applicable laws and

regulations in the Purchaser's country, including international environmental treaties.

1.1	G02 - LOT 1	PLUMBING BASIC WORKSHOP	KITALE NP	
		KNP_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
1.1.1	Combination workbench		8	pcs
	Workbench height: 850 mm Drawer/pull-out shelf load capacity at least: 75 kg Worktop dimension (L x D) 2000 x 750 Drawer extension (partial/full extension): 90% With 2 times 4 drawers mirrored left and right Drawer height 2 x 150 mm and 2 x 200 mm, inner dimension (W x D) 450 x 600 mm Powder coated steel frame with levelling screws Load-carrying capacity: 800 kg Worktop 40 mm thick made of beech multiplex, waterproof glued. Clearly varnished with UV varnish.			
1.1.2	Bench vice 120 mm		16	pcs
	Bench vice, of cast iron (jaw width 125mm) • high-strength casting with a pearlitic structure. Long and particularly accurate prismatic form precision guide. • With forged tube clamping jaws under the normal jaws • spindle fully enclosed and protected from dirt • spindle with trapezoidal thread • hardened jaws, serrated/smooth ground, reversible and exchangeable. • with flat-milled anvil • delivered with a set of soft jaws			
1.1.3	Steel cabinet 500 x 1000 x 2000		4	pcs
	Steel cabinet, approx. height 2000 mm, width/dept 1000/400 mm. Body and doors of 0.9 mm sheet steel, storage shelf mountings at 40 mm intervals. Doors reinforced on the inside, can be locked by push handle with cylinder lock. Complete with 4 storage shelves of sheet metal.			

1.1	G02 - LOT 1	PLUMBING BASIC WORKSHOP	KITALE NP	
		KNP_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
1.1.4	Pipe vice, Portable		6	pcs
	Universal stand-mounted steel pipe vice Steel jaws Tool deposition plate Bending plate with 5 holes Capacity: approx. 1/2 - 2 inch			
1.1.5	Pipe Cutter 1/8" to 2"		16	pcs
	Application range 1/8" to 2", 10-60mm Sturdy spindle hardened counter-pressure rollers Wide-dimensioned handle enables powerful adjustment of the spindle Scope of application material: steel pipes, stainless steel Delivered with 2 spare cutting wheels			
1.1.6	Pipe wrench 1.1/2 in		16	pcs
	Overall length 420 mm Jaw capacity 63 mm Pipe ø 1.1/2 inch Jaw angle 45 degrees Manufacturing process forged throughout Hardened and tempered jaw induction hardened Material of pliers Chrome vanadium steel			
1.1.7	Pipe wrench 1/2 in		16	pcs
	Overall length 240 mm Jaw capacity 35 mm Pipe ø 1/2 inch Jaw angle 45 degrees Manufacturing process forged throughout Hardened and tempered jaw induction hardened Material of pliers Chrome vanadium steel			

1.1	G02 - LOT 1	PLUMBING BASIC WORKSHOP	KITALE NP	
		KNP_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
1.1.8	Adjustable spanner		16	pcs
	Overall length 300 mm Maximum width across flats 34 mm Jaw position 22 degrees Manufacturing process drop-forged and hardened			
1.1.9	Combination spanner set		16	pcs
	Drop-forged with oval shaft Close tolerance jaw width Size 5.5; 7; 8; 10; 13; 16; 17; 18; 19; Delivered in textile tool roll with snap fastener			
1.1.10	Socket wrench set		16	set
	Material - chrome-vanadium steel, matt satin chrome-plated Connecting square according to ISO 1174, with ball lock Socket square drive according to ISO 1174, with ball stop groove 1/2" 2K lever reversible ratchet finely toothed, 72 teeth, 250 mm 1/2" Socket 12-sided SW 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32 1/2" socket wrench extension 125, 250 mm magnifying piece/sliding piece 3/8" x 1/2", 44 mm Delivered in plastic case			
1.1.11	Screwdriver Set		16	set
	Handles made of impact-resistant hard plastic Oval shape with roll-off protection, no rolling away at the place of use Bit holder for use with e.g. a ratchet or a cordless screwdriver Bit storage in the transverse hole possible			

1.1	G02 - LOT 1	PLUMBING BASIC WORKSHOP	KITALE NP	
		KNP_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Chrome-plated, hardened blades with blackened tip Material blades: chrome-molybdenum-vanadium steel Content: Slotted screwdriver: Blade width: 6.5 mm / Blade thickness: 1.2 mm Slotted screwdriver: Blade width: 5.5 mm / Blade thickness: 1.0 mm Slotted screwdriver: Blade width: 4.0 mm / Blade thickness: 0.8 mm Electrician Slotted Screwdriver: Blade width: 3.5 mm / Blade thickness: 0.6 mm Phillips screwdriver PZ 1 Phillips screwdriver PZ 2 Phillips screwdriver PH 1 Phillips screwdriver PH 2 System Bit: For driving the included screwdrivers with system bit mount, e.g. by a ratchet or a cordless screwdriver			
1.1.12	Universal grip wrench		16	pcs
	Overall length 185 mm Jaw length 32 mm Jaw capacity 35 mm For clamping profiled and flat materials, clamping force up to 10,000 N Jaws of chrome vanadium steel, drop forged			
1.1.13	Combination pliers		16	pcs
	Overall length 160 mm Cutting capacity hard wire up to $\varnothing$ 2 mm Cutting capability medium hard wire up to $\varnothing$ 3.1 mm			

1.1	G02 - LOT 1	PLUMBING BASIC WORKSHOP	KITALE NP	
		KNP_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Jaw characteristics serrated Handle Multi-component covering Special tool steel Surface chrome-plated			
1.1.14	Diagonal side cutter		16	pcs
	Overall length 160 mm Cutting capacity soft wire up to $\varnothing$ 2.8 mm Cutting capacity hard wire up to $\varnothing$ 2 mm Handle Multi-component covering Cutting edges induction hardened (approx. 62 HRC) Chromium vanadium steel Surface chrome-plated			
1.1.15	Hacksaw frame		16	pcs
	For 300 mm sawblades Frame lacquered, with captive dowel pins Hardwood handle			
1.1.16	HSS bimetallic sawblade		100	pcs
	wavy teeth 24TPI length 300 mm			
1.1.17	General purpose hacksaw "PUK"		16	pcs
	Overall length 310 mm Blade length 150 mm Adjustable handle position			
1.1.18	Saw blades for "PUK" hacksaw		100	pcs
	Tooth pitch TPI 32 Blade thickness 0.4 mm Blade length 150 mm			

1.1	G02 - LOT 1	PLUMBING BASIC WORKSHOP	KITALE NP	
		KNP_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
1.1.19	File set		16	set
	5-piece set of files with one each flat, 3-square, square, half-round and round file Length 205 mm, cut 2 with handles			
1.1.20	Engineer's hammer		16	pcs
	Weight 500g Varnished hickory handle ergonomic shape, length 320 mm Hammer head drop-forged, hardened and tempered			
1.1.21	Tube deburring tool		16	pcs
	For internal and external deburring of tubes 10 to 54 mm For stainless steel pipes, other steel pipes, copper, brass, aluminium, plastic pipes Integrated hexagon driver for electric drive with cordless drill			
1.1.22	Sheet steel toolbox		25	pcs
	Made of 0.6 mm sheet steel External dimension length appr. 530 mm External dimension width appr. 200 mm External dimension height appr. 200 mm 5 piece, one of the upper compartments divided 50/50 Lockable with padlock			
1.1.23	Hammer drill		3	set
	Power 230 V / appr. 880W No-load speed 900 rpm Percussive performance min. 3,2 Joule Drilling performance: Concrete with drill bits for drill 4 - 28 mm Concrete with core drill 68 mm			

1.1	G02 - LOT 1	PLUMBING BASIC WORKSHOP	KITALE NP	
		KNP_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Masonry with core drill 68 mm Steel 13 mm Wood 30 mm Spinning stop for chisel works Chuck type SDS plus Delivered with Additional 13 mm chuck for cylindric drills Depth stop Additional handle Transport box			
1.1.24	11 pcs. Hammer drill SDS-plus		3	set
	Content: 1x pointed chisel 250 mm 1x flat chisel 250 mm SDS Plus drill bits: 1x drill 5 x 50 x 110 mm 1x drill 6 x 50 x 110 mm 1x drill 7 x 50 x 110 mm 1x drill 8 x 50 x 110 mm 1x drill 6 x 100 x 160 mm 1x drill 7 x 100 x 160 mm 1x drill 8 x 100 x 160 mm 1x drill 10 x 100 x 160 mm 1x drill 12 x 100 x 160 mm Delivered in metal case			
1.1.25	Cordless drill driver		4	set
	Accumulator 18 V Li-Ion 2,0 Ah No-load speed (1st gear / 2nd gear) 0 – 480 / 0 – 1,800 rpm Chuck capacity min./max. 1,5 / 13 mm			

1.1	G02 - LOT 1	PLUMBING BASIC WORKSHOP	KITALE NP	
		KNP_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Torque settings min. 20 Torque up to 55 Nm Max. drilling diameter Wood 35 mm 10 mm Max. screw diameter 10 mm Delivered with 2 x 2,0 Ah batteries, 1 x charger in transport box			
1.1.26	Gas soldering and brazing kit		4	set
	Scope of delivery: Soldering iron with copper piece 350 g, Soldering inserts size 5 and 7, Transfer spout, Small pressure regulator Mini without pressure gauge, Paint burner 32 and 64 mm, HD hose 1.5 m, double-sided with union nut G 3/8" LH, Torch wrench, Gas lighter, Small bottle for propane (425 g) Supplied in sheet steel box			
1.1.27	Copper pipe soldering kit		4	set
	3x 250 g S-Sn97Cu3 lead free solder 1x 250 g solder paste (60 % Sn97Cu3 + 40% flux) - detergent action cleans as it solders 10 x Pack of copper pipe cleaner fleece - for external copper pipe cleaning			
1.1.28	Stainless Steel Pressure Test Pump		2	pcs
	Operating pressure max. 20 bar Tank volume 12 litres 2 shut-off valves			

1.1	G02 - LOT 1	PLUMBING BASIC WORKSHOP	KITALE NP	
		KNP_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	low-lying pressure gauge with protective cover Pump lever can be locked with chain Delivery includes 1.5 m high-pressure hose with steel mesh reinforcement and 1/2" male threaded connection Monobloc version Plastic pistons			
1.1.29	Copper pipe cutter set 3-42 mm		4	set
	Adjustable pipe cutter set - cuts copper, brass, aluminum and light gauge steel tube Mini pipe cutter - cutting capacity: 3 - 22 mm outside diameter Regular pipe cutter - cutting capacity: 6 - 42 mm outside diameter Steel wheel and rollers Retractable deburrer			
1.1.30	Pipe shear, cutters for plastic pipes 0-42 mm		4	pcs
	Cutters for plastic pipes, for cutting polyethylene (PE), polypropylene (PP), cross-linked polyethylene (PEX) and polyvinylidene fluoride (PVDF) FEATURES : - Cuts plastic pipe 0-42 mm - Aluminum body rubberized handles - Ratchet cutting action - Right-angled cut removable - Instant release mechanism			
1.1.31	Pipe threader set, manual		4	set
	Cutting dies sizes: 1/4, 3/8, 1/2, 3/4, 1, 1 1/4 made of special tool steel Cutting clips, ratchet, die-cast aluminium head, right left barrel			

1.1	G02 - LOT 1	PLUMBING BASIC WORKSHOP	KITALE NP	
		KNP_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Ratchet extension: 2 pcs 480 mm With soft grip Delivered in plastic toolbox			
1.1.32	Pipe bender		4	pcs
	Manual pipe bender for 15 and 22 mm copper tube and 15 mm stainless steel tube. Includes guides for plumbing, heating, refrigeration, air conditioning and other associated trades FEATURES: - Long handles with rubber grips - Form wheels with rollers - Bends up to 180 degrees (2 x 90 degrees bends) - 2 x Alloy profile guides - 15mm & 22 mm			
1.1.33	Pipe cleaner (Plumber's snake)		2	pcs
	Diameter 9 mm Length 5 m with crank and retrieval drill ø 6 mm			
1.1.34	Jobber drill set		3	set
	Drill range 1-13 mm HSS uncoated Drill type N, point angle 118 degrees Number of drills 29 Tapping hole dia. 3,3; 4,2; 6,8; 10,2 mm Incremental steps of drills 0,5 mm Delivered in case			
1.1.35	Roll tape measure		16	pcs
	Plastic case with removable belt clip. Automatic, damped belt return and tape stop. Sliding sliding end hook. Tape measure yellow, black/red printed.			

1.1	G02 - LOT 1	PLUMBING BASIC WORKSHOP	KITALE NP	
		KNP_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Sliding end hook with 2 magnets. Length 3 m			
1.1.36	Aluminium spirit level		5	pcs
	Sturdy, powder-coated aluminium profile MPE in normal position 0.5 mm/m Length 300 mm			
1.1.37	First aid kit		2	set
	Content Especially for construction and for the workshop: 1 x resuscitator 1 x splinter tweezers 8 cm 1 x Steri wash eyewash 5 x 20 ml 2 x aluminum compress 8 x 10 cm General First Aid Articles: 1x rescue blanket gold-silver 1x first aid scissors 18 cm 2x triangular cloth 1x disposable gloves vinyl powdered (pair) 1x non-woven cloth 10 pieces 1x color key 2x foil bag 2x FFP2 mouth-nose protection 1x wet wipes 1x cold instant compress 14 x 18 cm 1x safety sign first aid sticker 10 x 10 cm Assortment of plasters 3x 14-piece plaster set 1x adhesive plaster 2.5 cm x 5 m General Association Articles 1x bandage cloth 60 x 80 cm 1x quick wound dressing 6 x 8 cm 3x quick wound dressing 8 x 10 cm 1x quick wound dressing 10 x 12 cm 2x elastic fixation bandage 6 cm x 4 m 2x elastic fixation bandage 8 cm x 4 m 3x wound compress sterile 10 x 10 cm			

1.1	G02 - LOT 1	PLUMBING BASIC WORKSHOP	KITALE NP	
		KNP_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	2x eye compress 55 x 70 mm			
1.1.38	Cable drum 25m 25 m cable length (H05RR-F 3G1,5), used down to -35 °C, oil- and UV-resistant and also extremely abrasion-resistant Outdoor cable drum with overheating protection, indicator light in case of overheating and overload Drum body made of sheet steel, rust-protected galvanized, on a particularly sturdy carrying frame 3 safety sockets, splash-proof, with self-closing "Cablepilot" carrying handle for perfect cable routing. Oscillates on both sides and allows for comfortable carrying and hanging Drum diameter: 240 mm Protection class (IP): IP44 Line voltage 250 V Nominal power unrolled: 3500 (16 A) W		4	pcs
1.1.39	Plastic garbage can blue for scrap metal and chips Volume 120 Litre(s) Height appr. 1005 mm Material waste container Plastic Location Indoor and outdoor Equipped with lid Width appr. 505 mm Depth appr. 555 mm Wheel equipment 2 wheels Wheel diameter 200 mm Wheel material Rubber		1	pcs

1.1	G02 - LOT 1	PLUMBING BASIC WORKSHOP	KITALE NP	
		KNP_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
1.1.40	Plastic garbage can anthracite for residual waste		1	pcs
	Volume 120 Litre(s) Height appr. 1005 mm Material waste container Plastic Location Indoor and outdoor Equipped with lid Width appr. 505 mm Depth appr. 555 mm Wheel equipment 2 wheels Wheel diameter 200 mm Wheel material Rubber			
1.1.41	Pipe Vice, foldable 1/8"-3" for work bench		4	pcs
	4-point support for clamping pipes of all material types with Ø 1/8"-3" using the foldable pipe vice Movable upper jaw Epoxy-powder coating			
1.1.42	Sleeve welding machine		4	set
	- Suitable for PB, PE, PP, PVDF pipes - 230 V, 50 - 60 Hz heating element with heating elements covered with PTFE coating - Optional temperature adjustment of 180 - 290 ° C - Preset for PP pipes at 260 °C with electronic temperature control (EE) - Tube diameter Ø mm: 16-63 - Power: 800 W - Compliance: CE Standard or equivalent - Including 06 heads from 16 to 63 mm			

1.1	G02 - LOT 1	PLUMBING BASIC WORKSHOP	KITALE NP	
		KNP_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
1.1.43	Strap-fittings wrench, 8"		8	pcs
	- Nylon strap - Mono block body made of light aluminum alloy			
1.1.44	Cutting and chamfering tool		8	pcs
	for right-angled cutting and chamfering (15°) for pipes with Ø 32 - 110 mm. Length in cm approx. 255 mm Height in cm 75,0 mm, width 130 mm			
1.1.45	Clampset		2	pcs
	Cutting and chamfering tool 110 x 90 mm			
1.1.46	Clampset		2	pcs
	Cutting and chamfering tool 110 x 75 mm			
1.1.47	Clampset		2	pcs
	Cutting and chamfering tool 110 x 63 mm			
1.1.48	Clampset		2	pcs
	Cutting and chamfering tool 110 x 58 mm			
1.1.49	Clampset		2	pcs
	Cutting and chamfering tool 110 x 56 mm			
1.1.50	Clampset		2	pcs
	Cutting and chamfering tool 110 x 40 mm			

1.1	G02 - LOT 1	PLUMBING BASIC WORKSHOP	KITALE NP	
		KNP_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
1.1.51	Clampset		2	pcs
	Cutting and chamfering tool 110 x 32 mm			
1.1.52	Plastic Pipe Cutter		8	pcs
	- Max. cutting diameter: 0- 75mm - Cutting: PVC, PP, PU, PE - Blade: Stainless Steel or equivalent - Handle: Aluminum or equivalent			

1.2	G02 - LOT 1	PLUMBING SHEET METAL WORKSHOP	KITALE NP	
		KNP_WS_BC_2		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
1.2.1	Combination workbench		8	pcs
	Workbench height: 850 mm Drawer/pull-out shelf load capacity at least: 75 kg Worktop dimension (L x D) 2000 x 750 Drawer extension (partial/full extension): 90% With 2 times 4 drawers mirrored left and right Drawer height 2 x 150 mm and 2 x 200 mm, inner dimension (W x D) 450 x 600 mm Powder coated steel frame with levelling screws Load-carrying capacity: 800 kg Worktop 40 mm thick made of beech multiplex, waterproof glued. Clearly varnished with UV varnish.			
1.2.2	Bench vice 125 mm		16	pcs
	Bench vice, of cast iron (jaw width 125mm) • high-strength casting with a pearlitic structure. Long and particularly accurate prismatic form precision guide. • spindle fully enclosed and protected from dirt • spindle with trapezoidal thread • hardened jaws, serrated/smooth ground, reversible and exchangeable. • with flat-milled anvil • delivered with a set of soft jaws			
1.2.3	Steel cabinet 500 x 1000 x 2000		4	pcs
	Steel cabinet, approx. height 2000 mm, width/dept 1000/400 mm. Body and doors of 0.9 mm sheet steel, storage shelf mountings at 40 mm intervals. Doors reinforced on the inside, can be locked by push handle with cylinder lock. Complete with 4 storage shelves of sheet metal.			

1.2	G02 - LOT 1	PLUMBING SHEET METAL WORKSHOP	KITALE NP	
		KNP_WS_BC_2		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
1.2.4	Tin panel shelf		1	pcs
	H 1000 x D 800 x L 2030 mm 6 compartments, compartment width 85 mm Shelf load 750 kg (with evenly distributed load) Temple height 900 mm Format size 2000x1000 - 3000x1500 mm			
1.2.5	Sheet metal guillotine shear		1	pcs
	Manual sheet metal shears in sturdy steel construction incl. manual hold-down device and adjustable material stop Max. cutting length 1000 mm Sheet steel (St.37) max. 1.5 mm Material stop 0 - 600 mm			
1.2.6	Segmented folding machine bending machine		1	pcs
	Max. bending length 1,020 mm Max. sheet thickness 2.5 mm (400N/mm ²) max. bending angle 135° Max. opening width 52 mm Segment widths in mm 25, 30, 35, 40, 45, 50, 75, 100, 150, 200, 270			
1.2.7	Round bending machine		1	pcs
	Roll length at least 1000 mm Sheet thickness max. 1.5 mm Roll diameter appr. 60 mm Asymmetrical 3-roller system for convenient pre-bending Swing-out top roller Roll drive via hand crank			

1.2	G02 - LOT 1	PLUMBING SHEET METAL WORKSHOP	KITALE NP	
		KNP_WS_BC_2		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
1.2.8	Manual beading machine		1	pcs
	Including 8 pairs of beading and crimping rollers Adjustable stop on the lower shaft Adjustable upper shaft Thickness 1.2 mm (Material strength 400 N/mm ²) Roller center spacing 62 mm Working depth 270 mm (145 mm with stop) Scope of delivery 8 pairs of beading and crimping rollers Workpiece stop Roller wrench			
1.2.9	Spot Welding Gun		1	pcs
	Line voltage: 230V max. power consumption : 13 KW Rated power: 2.3 KW/50%< Mains fuse : 25A Power factor: 0,9 Cosphi Spot welding current : 6300 A sec. Open circuit voltage : 2.5V Duty cycle: 1,5% max. spot weld thickness : 2.0 + 2.0 mm Force of the arms adjustable from 40 kg to 120 kg Included in delivery: Arm pair, length single arm 120 mm Straight electrode L= 130 mm Straight electrode L = 50mm			
1.2.10	Soft soldering set propane		4	set
	Scope of delivery 1 piece copper soldering iron			

1.2	G02 - LOT 1	PLUMBING SHEET METAL WORKSHOP	KITALE NP	
		KNP_WS_BC_2		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	1 piece propane gas hose 1 piece hose rupture protection 1 piece steel cylinder for propane 1 L (without content) 1 piece transfer nozzle 1 bottle of soldering water for titanium zinc 125g 1 piece of soldering water brush 1 piece of ammonia stone for cleaning the copper soldering tip 2 pieces of solder in rods for soldering titanium zinc			
1.2.11	Solder rod		100	pcs
	Rod solder 250g with 40% tin content for soldering fine zinc and alloyed zinc in plumbing and roofing, soldering in radiator construction and body construction as well as dip tinning. Characterized by its optimal gap filling, good wetting and high strength. Alloy: Pb60Sn40			
1.2.12	Soldering water for soft soldering		20	pcs
	Form of delivery: Bottle 1000 g Condition: liquid Density: 1.30 g/cm ³ Color: Water clear pH: 2			
1.2.13	Manual drilling machine		3	pcs
	Output power: 353 W Drill chuck, type: Quick-action chuck Drilling Ø Alu: 20 / 12 mm Drilling Ø wood: 32 / 20 mm Drilling Ø steel: 13 / 8 mm Drill spindle connection thread: 1/2"-20 UNF Torque, max.: 39.5 / 12.5 Nm			

1.2	G02 - LOT 1	PLUMBING SHEET METAL WORKSHOP	KITALE NP	
		KNP_WS_BC_2		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Idle speed, 1st gear: 0 - 1000 min-1 Idle speed, 2nd gear: 3200 min-1 Nominal torque: 6.8 / 2.5 Nm Nominal speed: 500 / 1750 min-1 Rated input power: 750 W Voltage, electrical: 230 V Spindle neck diameter: 43.0 mm Scope of delivery: Quick-action chuck 13 mm Additional handle Depth stop 210 mm Transport box			
1.2.14	Jobber drill set		3	set
	Drill range 1-13 mm HSS uncoated Drill type N, point angle 118 degrees Number of drills 29 Tapping hole dia. 3,3; 4,2; 6,8; 10,2 mm Incremental steps of drills 0,5 mm Delivered in case			
1.2.15	Taper sheet and tube drill set		3	set
	3 - 14 mm / 8 - 20 mm / 16 - 30 mm TiN-coated in metal cassette			
1.2.16	Blind riveting pliers		3	set
	Set including mouthpieces, open-end wrenches, rivet nut pull mandrels Suitable for blind rivets, blind rivet nuts and cavity metal dowels Fold-out legs for increased force requirements			

1.2	G02 - LOT 1	PLUMBING SHEET METAL WORKSHOP	KITALE NP	
		KNP_WS_BC_2		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	5 mouthpieces in different sizes can be stowed away in the fold-out handle Features: For blind rivet Ø: 2.4 mm, 3.2 mm, 4.0 mm, 4.8 mm, 6.4 mm For rivet nuts: M4, M5, M6, M8, M10 Length: 510mm Delivery: incl. 5 mouthpieces, collection container, spare rivet head, 5 rivet nut pull mandrels, 3 open-end wrenches, hex wrench 6mm, plastic case			
1.2.17	Blind rivets set		5	set
	650 pieces, Ø 3.2-4.8mm x length 6-14mm Head made of aluminum, rivet mandrel made of galvanized steel In plastic sorting box			
1.2.18	Ideal scissor set		16	set
	For continuous, straight and shaped cuts Compact cutter head for high manoeuvrability for shape cutting Ergonomic handle For cutting small radii and in confined spaces For right-hand cutting			
1.2.19	File set		16	set
	5-piece set of files with one each flat, 3-square, square, half-round and round file Length 205 mm, cut 2 with handles			
1.2.20	Engineer's hammer		16	pcs
	Weight 500g Varnished hickory handle ergonomic shape, length 320 mm Hammer head drop-forged, hardened and tempered			

1.2	G02 - LOT 1	PLUMBING SHEET METAL WORKSHOP	KITALE NP	
		KNP_WS_BC_2		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
1.2.21	Wooden hammer		16	pcs
	Hammer head made of hornbeam wood with slightly spherical tracks. A pressed-on metal jacket prevents the hammer head from shattering. With ash wood handle. Head length 140 mm Head- $\varnothing$ 70 mm Stem length 320 mm Weight 560 g			
1.2.22	Chisel and punch set		16	set
	Flat and cross chisels for metal, as well as punches and grains with octagonal shank, evenly hardened; Chisel can be resharpened several times. Special impact head coating prevents chipping on the impact head. Content: Flat chisels: 1 piece 125 each; 150 mm Cross chisel: 1 pc. 125 mm Punch: 1 pc each 120×2; 150×3 mm Center punch: 1 pc. 120×4 mm			
1.2.23	Roll tape measure		16	pcs
	Plastic case with removable belt clip. Automatic, damped belt return and tape stop. Sliding sliding end hook. Tape measure yellow, black/red printed. Sliding end hook with 2 magnets. Length 3 m			
1.2.24	Aluminium spirit level		5	pcs
	Sturdy, powder-coated aluminium profile MPE in normal position 0.5 mm/m Length 500 mm			

1.2	G02 - LOT 1	PLUMBING SHEET METAL WORKSHOP	KITALE NP	
		KNP_WS_BC_2		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
1.2.25	Scale made of aluminium profile		5	pcs
	Length 1000 mm Aluminum scale, anodized. With spotting edge and glare-free matt mm scale			
1.2.26	Stop angle galvanized		16	pcs
	Length of long thighs 150 mm Length of short thighs 100 mm Leg cross-section 20×5 mm Material Steel Surface galvanized			
1.2.27	Stop angle galvanized		5	pcs
	Length of long thighs 500 mm Length of short thighs 280 mm Leg cross-section 30×5 mm Material Steel Surface galvanized			
1.2.28	Straight scribe		16	pcs
	Full length 180 mm 1 straight point Metal handle knurled			
1.2.29	First aid kit		2	set
	Content Especially for construction and for the workshop: 1 x resuscitator 1 x splinter tweezers 8 cm 1 x Steri wash eyewash 5 x 20 ml 2 x aluminum compress 8 x 10 cm General First Aid Articles: 1x rescue blanket gold-silver 1x first aid scissors 18 cm 2x triangular cloth 1x disposable gloves vinyl powdered (pair)			

1.2	G02 - LOT 1	PLUMBING SHEET METAL WORKSHOP	KITALE NP	
		KNP_WS_BC_2		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	1x non-woven cloth 10 pieces 1x color key 2x foil bag 2x FFP2 mouth-nose protection 1x wet wipes 1x cold instant compress 14 x 18 cm 1x safety sign first aid sticker 10 x 10 cm Assortment of plasters 3x 14-piece plaster set 1x adhesive plaster 2.5 cm x 5 m General Association Articles 1x bandage cloth 60 x 80 cm 1x quick wound dressing 6 x 8 cm 3x quick wound dressing 8 x 10 cm 1x quick wound dressing 10 x 12 cm 2x elastic fixation bandage 6 cm x 4 m 2x elastic fixation bandage 8 cm x 4 m 3x wound compress sterile 10 x 10 cm 2x eye compress 55 x 70 mm			
1.2.30	Folding chisel		5	pcs
	Forged Groove width 8 mm			
1.2.31	Folding chisel		5	pcs
	Forged Groove width 10 mm			
1.2.32	Folding pliers set		5	set
	3 forged pliers (straight, 45°, 90°) Cheeks and mouth tempered Thighs red plastic-coated Material: Carbon steel Mouth width of the folding pliers 60 mm			

1.2	G02 - LOT 1	PLUMBING SHEET METAL WORKSHOP	KITALE NP	
		KNP_WS_BC_2		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
1.2.33	Protractor with locking screw		5	pcs
	Made of matt chrome-plated steel Permanently etched scaling Measuring range 0° - 180° Sheet diameter 150 mm Length 200 mm			
1.2.34	Sheet metal grip wrench		10	pcs
	Overall length 180 mm Jaw width 80 mm Jaw capacity 45 mm			
1.2.35	Cable drum 25m	-	4	pcs
	25 m cable length (H05RR-F 3G1,5), used down to -35 °C, oil- and UV-resistant and also extremely abrasion-resistant Outdoor cable drum with overheating protection, indicator light in case of overheating and overload Drum body made of sheet steel, rust-protected galvanized, on a particularly sturdy carrying frame 3 safety sockets, splash-proof, with self-closing "Cablepilot" carrying handle for perfect cable routing. Oscillates on both sides and allows for comfortable carrying and hanging Drum diameter: 240 mm Protection class (IP): IP44 Line voltage 250 V Nominal power unrolled: 3500 (16 A) W	-		
1.2.36	Plastic garbage can blue for scrap metal and chips		1	pcs
	Volume 120 Litre(s) Height appr. 1005 mm Material waste container Plastic			

1.2	G02 - LOT 1	PLUMBING SHEET METAL WORKSHOP	KITALE NP	
		KNP_WS_BC_2		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Location Indoor and outdoor Equipped with lid Width appr. 505 mm Depth appr. 555 mm Wheel equipment 2 wheels Wheel diameter 200 mm Wheel material Rubber			
1.2.37	Plastic garbage can anthracite for residual waste		1	pcs
	Volume 120 Litre(s) Height appr. 1005 mm Material waste container Plastic Location Indoor and outdoor Equipped with lid Width appr. 505 mm Depth appr. 555 mm Wheel equipment 2 wheels Wheel diameter 200 mm Wheel material Rubber			

1.3	G02 - LOT 1	PLUMBING BASIC WORKSHOP	BUMBE TTI	
		BTTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
1.3.1	Combination workbench		8	pcs
	Workbench height: 850 mm Drawer/pull-out shelf load capacity at least: 75 kg Worktop dimension (L x D) 2000 x 750 Drawer extension (partial/full extension): 90% With 2 times 4 drawers mirrored left and right Drawer height 2 x 150 mm and 2 x 200 mm, inner dimension (W x D) 450 x 600 mm Powder coated steel frame with levelling screws Load-carrying capacity: 800 kg Worktop 40 mm thick made of beech multiplex, waterproof glued. Clearly varnished with UV varnish.			
1.3.2	Bench vice 120 mm		16	pcs
	Bench vice, of cast iron (jaw width 125mm) • high-strength casting with a pearlitic structure. Long and particularly accurate prismatic form precision guide. • With forged tube clamping jaws under the normal jaws • spindle fully enclosed and protected from dirt • spindle with trapezoidal thread • hardened jaws, serrated/smooth ground, reversible and exchangeable. • with flat-milled anvil • delivered with a set of soft jaws			
1.3.3	Steel cabinet 500 x 1000 x 2000		4	pcs
	Steel cabinet, approx. height 2000 mm, width/dept 1000/400 mm. Body and doors of 0.9 mm sheet steel, storage shelf mountings at 40 mm intervals. Doors reinforced on the inside, can be locked by push handle with cylinder lock. Complete with 4 storage shelves of sheet metal.			

1.3	G02 - LOT 1	PLUMBING BASIC WORKSHOP	BUMBE TTI	
		BTTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
1.3.4	Pipe vice, Portable		4	pcs
	Universal stand-mounted steel pipe vice Steel jaws Tool deposition plate Bending plate with 5 holes Capacity: approx. 1/2 - 2 inch			
1.3.5	Pipe Cutter 1/8" to 2"		16	pcs
	Application range 1/8" to 2", 10-60mm Sturdy spindle hardened counter-pressure rollers Wide-dimensioned handle enables powerful adjustment of the spindle Scope of application material: steel pipes, stainless steel Delivered with 2 spare cutting wheels			
1.3.6	Pipe wrench 1.1/2 in		16	pcs
	Overall length 420 mm Jaw capacity 63 mm Pipe $\varnothing$ 1.1/2 inch Jaw angle 45 degrees Manufacturing process forged throughout Hardened and tempered jaw induction hardened Material of pliers Chrome vanadium steel			
1.3.7	Pipe wrench 1/2 in		16	pcs
	Overall length 240 mm Jaw capacity 35 mm Pipe $\varnothing$ 1/2 inch Jaw angle 45 degrees Manufacturing process forged throughout Hardened and tempered jaw induction hardened Material of pliers Chrome vanadium steel			

1.3	G02 - LOT 1	PLUMBING BASIC WORKSHOP	BUMBE TTI	
		BTTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
1.3.8	Adjustable spanner		16	pcs
	Overall length 300 mm Maximum width across flats 34 mm Jaw position 22 degrees Manufacturing process drop-forged and hardened			
1.3.9	Combination spanner set		16	pcs
	Drop-forged with oval shaft Close tolerance jaw width Size 5.5; 7; 8; 10; 13; 16; 17; 18; 19; Delivered in textile tool roll with snap fastener			
1.3.10	Socket wrench set		16	set
	Material - chrome-vanadium steel, matt satin chrome-plated Connecting square according to ISO 1174, with ball lock Socket square drive according to ISO 1174, with ball stop groove 1/2" 2K lever reversible ratchet finely toothed, 72 teeth, 250 mm 1/2" Socket 12-sided SW 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32 1/2" socket wrench extension 125, 250 mm magnifying piece/sliding piece 3/8" x 1/2", 44 mm Delivered in plastic case			
1.3.11	Screwdriver Set		16	set
	Handles made of impact-resistant hard plastic Oval shape with roll-off protection, no rolling away at the place of use Bit holder for use with e.g. a ratchet or a cordless screwdriver Bit storage in the transverse hole possible			

1.3	G02 - LOT 1	PLUMBING BASIC WORKSHOP	BUMBE TTI	
		BTTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Chrome-plated, hardened blades with blackened tip Material blades: chrome-molybdenum-vanadium steel Content: Slotted screwdriver: Blade width: 6.5 mm / Blade thickness: 1.2 mm Slotted screwdriver: Blade width: 5.5 mm / Blade thickness: 1.0 mm Slotted screwdriver: Blade width: 4.0 mm / Blade thickness: 0.8 mm Electrician Slotted Screwdriver: Blade width: 3.5 mm / Blade thickness: 0.6 mm Phillips screwdriver PZ 1 Phillips screwdriver PZ 2 Phillips screwdriver PH 1 Phillips screwdriver PH 2 System Bit: For driving the included screwdrivers with system bit mount, e.g. by a ratchet or a cordless screwdriver			
1.3.12	Universal grip wrench		16	pcs
	Overall length 185 mm Jaw length 32 mm Jaw capacity 35 mm For clamping profiled and flat materials, clamping force up to 10,000 N Jaws of chrome vanadium steel, drop forged			
1.3.13	Combination pliers		16	pcs
	Overall length 160 mm Cutting capacity hard wire up to $\varnothing$ 2 mm Cutting capability medium hard wire up to $\varnothing$ 3.1 mm			

1.3	G02 - LOT 1	PLUMBING BASIC WORKSHOP	BUMBE TTI	
		BTTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Jaw characteristics serrated Handle Multi-component covering Special tool steel Surface chrome-plated			
1.3.14	Diagonal side cutter		16	pcs
	Overall length 160 mm Cutting capacity soft wire up to $\varnothing$ 2.8 mm Cutting capacity hard wire up to $\varnothing$ 2 mm Handle Multi-component covering Cutting edges induction hardened (approx. 62 HRC) Chromium vanadium steel Surface chrome-plated			
1.3.15	Hacksaw frame		16	pcs
	For 300 mm sawblades Frame lacquered, with captive dowel pins Hardwood handle			
1.3.16	HSS bimetallic sawblade		100	pcs
	wavy teeth 24TPI length 300 mm			
1.3.17	General purpose hacksaw "PUK"		16	pcs
	Overall length 310 mm Blade length 150 mm Adjustable handle position			
1.3.18	Saw blades for "PUK" hacksaw		100	pcs
	Tooth pitch TPI 32 Blade thickness 0.4 mm Blade length 150 mm			

1.3	G02 - LOT 1	PLUMBING BASIC WORKSHOP	BUMBE TTI	
		BTTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
1.3.19	File set		16	set
	5-piece set of files with one each flat, 3-square, square, half-round and round file Length 205 mm, cut 2 with handles			
1.3.20	Engineer's hammer		16	pcs
	Weight 500g Varnished hickory handle ergonomic shape, length 320 mm Hammer head drop-forged, hardened and tempered			
1.3.21	Tube deburring tool		16	pcs
	For internal and external deburring of tubes 10 to 54 mm For stainless steel pipes, other steel pipes, copper, brass, aluminium, plastic pipes Integrated hexagon driver for electric drive with cordless drill			
1.3.22	Sheet steel toolbox		16	pcs
	Made of 0.6 mm sheet steel External dimension length appr. 530 mm External dimension width appr. 200 mm External dimension height appr. 200 mm 5 piece, one of the upper compartments divided 50/50 Lockable with padlock			
1.3.23	Hammer drill		3	set
	Power 230 V / appr. 880W No-load speed 900 rpm Percussive performance min. 3,2 Joule Drilling performance: Concrete with drill bits for drill 4 - 28 mm Concrete with core drill 68 mm Masonry with core drill 68 mm			

1.3	G02 - LOT 1	PLUMBING BASIC WORKSHOP	BUMBE TTI	
		BTTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Steel 13 mm Wood 30 mm Spinning stop for chisel works Chuck type SDS plus Delivered with Additional 13 mm chuck for cylindric drills Depth stop Additional handle Transport box			
1.3.24	11 pcs. Hammer drill SDS-plus		3	set
	Content: 1x pointed chisel 250 mm 1x flat chisel 250 mm SDS Plus drill bits: 1x drill 5 x 50 x 110 mm 1x drill 6 x 50 x 110 mm 1x drill 7 x 50 x 110 mm 1x drill 8 x 50 x 110 mm 1x drill 6 x 100 x 160 mm 1x drill 7 x 100 x 160 mm 1x drill 8 x 100 x 160 mm 1x drill 10 x 100 x 160 mm 1x drill 12 x 100 x 160 mm Delivered in metal case			
1.3.25	Cordless drill driver		4	set
	Accumulator 18 V Li-Ion 2,0 Ah No-load speed (1st gear / 2nd gear) 0 – 480 / 0 – 1,800 rpm Chuck capacity min./max. 1,5 / 13 mm Torque settings min. 20			

1.3	G02 - LOT 1	PLUMBING BASIC WORKSHOP	BUMBE TTI	
		BTTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Torque up to 55 Nm Max. drilling diameter Wood 35 mm 10 mm Max. screw diameter 10 mm Delivered with 2 x 2,0 Ah batteries, 1 x charger in transport box			
1.3.26	Gas soldering and brazing kit		4	set
	Scope of delivery: Soldering iron with copper piece 350 g, Soldering inserts size 5 and 7, Transfer spout, Small pressure regulator Mini without pressure gauge, Paint burner 32 and 64 mm, HD hose 1.5 m, double-sided with union nut G 3/8" LH, Torch wrench, Gas lighter, Small bottle for propane (425 g) Supplied in sheet steel box			
1.3.27	Copper pipe soldering kit		4	set
	3x 250 g S-Sn97Cu3 lead free solder 1x 250 g solder paste (60 % Sn97Cu3 + 40% flux) - detergent action cleans as it solders 10 x Pack of copper pipe cleaner fleece - for external copper pipe cleaning			
1.3.28	Stainless Steel Pressure Test Pump		2	pcs
	Operating pressure max. 20 bar Tank volume 12 litres 2 shut-off valves low-lying pressure gauge with protective cover			

1.3	G02 - LOT 1	PLUMBING BASIC WORKSHOP	BUMBE TTI	
		BTTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Pump lever can be locked with chain Delivery includes 1.5 m high-pressure hose with steel mesh reinforcement and 1/2" male threaded connection Monobloc version Plastic pistons			
1.3.29	Copper pipe cutter set 3-42 mm		4	set
	Adjustable pipe cutter set - cuts copper, brass, aluminum and light gauge steel tube Mini pipe cutter - cutting capacity: 3 - 22 mm outside diameter Regular pipe cutter - cutting capacity: 6 - 42 mm outside diameter Steel wheel and rollers Retractable deburrer			
1.3.30	Pipe shear, cutters for plastic pipes 0-42 mm		4	pcs
	Cutters for plastic pipes, for cutting polyethylene (PE), polypropylene (PP), cross-linked polyethylene (PEX) and polyvinylidene fluoride (PVDF) FEATURES : - Cuts plastic pipe 0-42 mm - Aluminum body rubberized handles - Ratchet cutting action - Right-angled cut removable - Instant release mechanism			
1.3.31	Pipe threader set, manual		4	set
	Cutting dies sizes: 1/4, 3/8, 1/2, 3/4, 1, 1 1/4 made of special tool steel Cutting clips, ratchet, die-cast aluminium head, right left barrel Ratchet extension: 2 pcs 480 mm With soft grip			

1.3	G02 - LOT 1	PLUMBING BASIC WORKSHOP	BUMBE TTI	
		BTTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Delivered in plastic toolbox			
1.3.32	Pipe bender		4	pcs
	Manual pipe bender for 15 and 22 mm copper tube and 15 mm stainless steel tube. Includes guides for plumbing, heating, refrigeration, air conditioning and other associated trades FEATURES: - Long handles with rubber grips - Form wheels with rollers - Bends up to 180 degrees (2 x 90 degrees bends) - 2 x Alloy profile guides - 15mm & 22 mm			
1.3.33	Pipe cleaner (Plumber's snake)		2	pcs
	Diameter 9 mm Length 5 m with crank and retrieval drill ø 6 mm			
1.3.34	Aluminium spirit level		5	pcs
	Sturdy, powder-coated aluminium profile MPE in normal position 0.5 mm/m Length 300 mm			
1.3.35	Tin panel shelf		1	pcs
	H 1000 x D 800 x L 2030 mm 6 compartments, compartment width 85 mm Shelf load 750 kg (with evenly distributed load) Temple height 900 mm Format size 2000x1000 - 3000x1500 mm			

1.3	G02 - LOT 1	PLUMBING BASIC WORKSHOP	BUMBE TTI	
		BTTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
1.3.36	Sheet metal guillotine shear		1	pcs
	Manual sheet metal shears in sturdy steel construction incl. manual hold-down device and adjustable material stop Max. cutting length 1000 mm Sheet steel (St.37) max. 1.5 mm Material stop 0 - 600 mm			
1.3.37	Segmented folding machine bending machine		1	pcs
	Max. bending length 1,020 mm Max. sheet thickness 2.5 mm (400N/mm ²) max. bending angle 135° Max. opening width 52 mm Segment widths in mm 25, 30, 35, 40, 45, 50, 75, 100, 150, 200, 270			
1.3.38	Round bending machine		1	pcs
	Roll length at least 1000 mm Sheet thickness max. 1.5 mm Roll diameter appr. 60 mm Asymmetrical 3-roller system for convenient pre-bending Swing-out top roller Roll drive via hand crank			
1.3.39	Manual beading machine		1	pcs
	Including 8 pairs of beading and crimping rollers Adjustable stop on the lower shaft Adjustable upper shaft Thickness 1.2 mm (Material strength 400 N/mm ²) Roller center spacing 62 mm Working depth 270 mm (145 mm with stop) Scope of delivery 8 pairs of beading and crimping rollers			

1.3	G02 - LOT 1	PLUMBING BASIC WORKSHOP	BUMBE TTI	
		BTTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Workpiece stop Roller wrench			
1.3.40	Spot Welding Gun		1	pcs
	Line voltage: 230V max. power consumption : 13 KW Rated power: 2.3 KW/50%< Mains fuse : 25A Power factor: 0,9 Cosphi Spot welding current : 6300 A sec. Open circuit voltage : 2.5V Duty cycle: 1,5% max. spot weld thickness : 2.0 + 2.0 mm Force of the arms adjustable from 40 kg to 120 kg Included in delivery: Arm pair, length single arm 120 mm Straight electrode L= 130 mm Straight electrode L = 50mm			
1.3.41	Solder rod		100	pcs
	Rod solder 250g with 40% tin content for soldering fine zinc and alloyed zinc in plumbing and roofing, soldering in radiator construction and body construction as well as dip tinning. Characterized by its optimal gap filling, good wetting and high strength. Alloy: Pb60Sn40			
1.3.42	Soldering water for soft soldering		20	pcs
	Form of delivery: Bottle 1000 g Condition: liquid Density: 1.30 g/cm ³ Color: Water clear			

1.3	G02 - LOT 1	PLUMBING BASIC WORKSHOP	BUMBE TTI	
		BTTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	pH: 2			
1.3.43	Manual drilling machine		3	pcs
	Output power: 353 W Drill chuck, type: Quick-action chuck Drilling Ø Alu: 20 / 12 mm Drilling Ø wood: 32 / 20 mm Drilling Ø steel: 13 / 8 mm Drill spindle connection thread: 1/2"-20 UNF Torque, max.: 39.5 / 12.5 Nm Idle speed, 1st gear: 0 - 1000 min-1 Idle speed, 2nd gear: 3200 min-1 Nominal torque: 6.8 / 2.5 Nm Nominal speed: 500 / 1750 min-1 Rated input power: 750 W Voltage, electrical: 230 V Spindle neck diameter: 43.0 mm Scope of delivery: Quick-action chuck 13 mm Additional handle Depth stop 210 mm Transport box			
1.3.44	Jobber drill set		4	set
	Drill range 1-13 mm HSS uncoated Drill type N, point angle 118 degrees Number of drills 29 Tapping hole dia. 3,3; 4,2; 6,8; 10,2 mm Incremental steps of drills 0,5 mm			

1.3	G02 - LOT 1	PLUMBING BASIC WORKSHOP	BUMBE TTI	
		BTTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Delivered in case			
1.3.45	Taper sheet and tube drill set		3	set
	3 - 14 mm / 8 - 20 mm / 16 - 30 mm TiN-coated in metal cassette			
1.3.46	Blind riveting pliers		3	set
	Set including mouthpieces, open-end wrenches, rivet nut pull mandrels Suitable for blind rivets, blind rivet nuts and cavity metal dowels Fold-out legs for increased force requirements 5 mouthpieces in different sizes can be stowed away in the fold-out handle Features: For blind rivet Ø: 2.4 mm, 3.2 mm, 4.0 mm, 4.8 mm, 6.4 mm For rivet nuts: M4, M5, M6, M8, M10 Length: 510mm Delivery: incl. 5 mouthpieces, collection container, spare rivet head, 5 rivet nut pull mandrels, 3 open-end wrenches, hex wrench 6mm, plastic case			
1.3.47	Blind rivets set		5	set
	650 pieces, Ø 3.2-4.8mm x length 6-14mm Head made of aluminum, rivet mandrel made of galvanized steel In plastic sorting box			
1.3.48	Ideal scissor set		16	set
	For continuous, straight and shaped cuts Compact cutter head for high manoeuvrability for shape cutting Ergonomic handle			

1.3	G02 - LOT 1	PLUMBING BASIC WORKSHOP	BUMBE TTI	
		BTTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	For cutting small radii and in confined spaces For right-hand cutting			
1.3.49	Wooden hammer		16	pcs
	Hammer head made of hornbeam wood with slightly spherical tracks. A pressed-on metal jacket prevents the hammer head from shattering. With ash wood handle. Head length 140 mm Head-ø 70 mm Stem length 320 mm Weight 560 g			
1.3.50	Chisel and punch set		16	set
	Flat and cross chisels for metal, as well as punches and grains with octagonal shank, evenly hardened; Chisel can be resharpened several times. Special impact head coating prevents chipping on the impact head. Content: Flat chisels: 1 piece 125 each; 150 mm Cross chisel: 1 pc. 125 mm Punch: 1 pc each 120×2; 150×3 mm Center punch: 1 pc. 120×4 mm			
1.3.51	Roll tape measure		16	pcs
	Plastic case with removable belt clip. Automatic, damped belt return and tape stop. Sliding sliding end hook. Tape measure yellow, black/red printed. Sliding end hook with 2 magnets. Length 3 m			

1.3	G02 - LOT 1	PLUMBING BASIC WORKSHOP	BUMBE TTI	
		BTTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
1.3.52	Aluminium spirit level		5	pcs
	Sturdy, powder-coated aluminium profile MPE in normal position 0.5 mm/m Length 500 mm			
1.3.53	Scale made of aluminium profile		5	pcs
	Length 1000 mm Aluminum scale, anodized. With spotting edge and glare-free matt mm scale			
1.3.54	Stop angle galvanized		16	pcs
	Length of long thighs 150 mm Length of short thighs 100 mm Leg cross-section 20×5 mm Material Steel Surface galvanized			
1.3.55	Stop angle galvanized		5	pcs
	Length of long thighs 500 mm Length of short thighs 280 mm Leg cross-section 30×5 mm Material Steel Surface galvanized			
1.3.56	Straight scribe		16	pcs
	Full length 180 mm 1 straight point Metal handle knurled			
1.3.57	First aid kit		2	set
	Content Especially for construction and for the workshop: 1 x resuscitator 1 x splinter tweezers 8 cm 1 x Steri wash eyewash 5 x 20 ml			

1.3	G02 - LOT 1	PLUMBING BASIC WORKSHOP	BUMBE TTI	
		BTTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	2 x aluminum compress 8 x 10 cm General First Aid Articles: 1x rescue blanket gold-silver 1x first aid scissors 18 cm 2x triangular cloth 1x disposable gloves vinyl powdered (pair) 1x non-woven cloth 10 pieces 1x color key 2x foil bag 2x FFP2 mouth-nose protection 1x wet wipes 1x cold instant compress 14 x 18 cm 1x safety sign first aid sticker 10 x 10 cm Assortment of plasters 3x 14-piece plaster set 1x adhesive plaster 2.5 cm x 5 m General Association Articles 1x bandage cloth 60 x 80 cm 1x quick wound dressing 6 x 8 cm 3x quick wound dressing 8 x 10 cm 1x quick wound dressing 10 x 12 cm 2x elastic fixation bandage 6 cm x 4 m 2x elastic fixation bandage 8 cm x 4 m 3x wound compress sterile 10 x 10 cm 2x eye compress 55 x 70 mm			
1.3.58	Folding chisel		5	pcs
	Forged Groove width 8 mm			
1.3.59	Folding chisel		5	pcs
	Forged Groove width 10 mm			
1.3.60	Folding pliers set		5	set
	3 forged pliers (straight, 45°, 90°) Cheeks and mouth tempered			

1.3	G02 - LOT 1	PLUMBING BASIC WORKSHOP	BUMBE TTI	
		BTTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Thighs red plastic-coated Material: Carbon steel Mouth width of the folding pliers 60 mm			
1.3.61	Protractor with locking screw		5	pcs
	Made of matt chrome-plated steel Permanently etched scaling Measuring range 0° - 180° Sheet diameter 150 mm Length 200 mm			
1.3.62	Sheet metal grip wrench		10	pcs
	Overall length 180 mm Jaw width 80 mm Jaw capacity 45 mm			
1.3.63	Plastic garbage can blue for scrap metal and chips		1	pcs
	Volume 120 Litre(s) Height appr. 1005 mm Material waste container Plastic Location Indoor and outdoor Equipped with lid Width appr. 505 mm Depth appr. 555 mm Wheel equipment 2 wheels Wheel diameter 200 mm Wheel material Rubber			
1.3.64	Plastic garbage can anthracite for residual waste		1	pcs
	Volume 120 Litre(s) Height appr. 1005 mm Material waste container Plastic Location Indoor and outdoor			

1.3	G02 - LOT 1	PLUMBING BASIC WORKSHOP	BUMBE TTI	
		BTTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Equipped with lid Width appr. 505 mm Depth appr. 555 mm Wheel equipment 2 wheels Wheel diameter 200 mm Wheel material Rubber			
1.3.65	Pipe Vice, foldable 1/8"-3" for work bench		4	pcs
	4-point support for clamping pipes of all material types with Ø 1/8"-3" using the foldable pipe vice Movable upper jaw Epoxy-powder coating			
1.3.66	Sleeve welding machine		4	set
	- Suitable for PB, PE, PP, PVDF pipes - 230 V, 50 - 60 Hz heating element with heating elements covered with PTFE coating - Optional temperature adjustment of 180 - 290 ° C - Preset for PP pipes at 260 °C with electronic temperature control (EE) - Tube diameter Ø mm: 16-63 - Power: 800 W - Compliance: CE Standard or equivalent - Including 06 heads from 16 to 63 mm			
1.3.67	Strap-fittings wrench, 8"		8	pcs
	- Nylon strap - Mono block body made of light aluminum alloy			
1.3.68	Cutting and chamfering tool		8	pcs
	for right-angled cutting and chamfering (15°) for pipes with Ø 32 - 110 mm.			

1.3	G02 - LOT 1	PLUMBING BASIC WORKSHOP	BUMBE TTI	
		BTTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Length in cm approx. 255 mm Height in cm 75,0 mm, width 130 mm			
1.3.69	Clampset		2	pcs
	Cutting and chamfering tool 110 x 90 mm			
1.3.70	Clampset		2	pcs
	Cutting and chamfering tool 110 x 75 mm			
1.3.71	Clampset		2	pcs
	Cutting and chamfering tool 110 x 63 mm			
1.3.72	Clampset		2	pcs
	Cutting and chamfering tool 110 x 58 mm			
1.3.73	Clampset		2	pcs
	Cutting and chamfering tool 110 x 56 mm			
1.3.74	Clampset		2	pcs
	Cutting and chamfering tool 110 x 40 mm			
1.3.75	Clampset		2	pcs
	Cutting and chamfering tool 110 x 32 mm			
1.3.76	Plastic Pipe Cutter		8	pcs
	- Max. cutting diameter: 0- 75mm - Cutting: PVC, PP, PU, PE - Blade: Stainless Steel or equivalent - Handle: Aluminum or equivalent			

1.4	G02 - LOT 1	PLUMBING WORKSHOP	NYAMIRA NP	
		ETTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
1.4.1	Steel cabinet 500 x 1000 x 2000		4	pcs
	Steel cabinet, approx. height 2000 mm, width/dept 1000/400 mm. Body and doors of 0.9 mm sheet steel, storage shelf mountings at 40 mm intervals. Doors reinforced on the inside, can be locked by push handle with cylinder lock. Complete with 4 storage shelves of sheet metal.			
1.4.2	Pipe vice, Portable		4	pcs
	Universal stand-mounted steel pipe vice Steel jaws Tool deposition plate Bending plate with 5 holes Capacity: approx. 1/2 - 2 inch			
1.4.3	Pipe Cutter 1/8" to 2"		16	pcs
	Application range 1/8" to 2", 10-60mm Sturdy spindle hardened counter-pressure rollers Wide-dimensioned handle enables powerful adjustment of the spindle Scope of application material: steel pipes, stainless steel Delivered with 2 spare cutting wheels			
1.4.4	Pipe wrench 2 in		16	pcs
	Overall length approx. 600 mm Jaw capacity 100 mm Pipe ø 2 inch Jaw angle 45 degrees Manufacturing process forged throughout Hardened and tempered jaw induction hardened Material of pliers Chrome vanadium steel			

1.4	G02 - LOT 1	PLUMBING WORKSHOP	NYAMIRA NP	
		ETTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
1.4.5	Pipe wrench 1.1/2 in		16	pcs
	Overall length approx. 420 mm Jaw capacity 63 mm Pipe $\varnothing$ 1.1/2 inch Jaw angle 45 degrees Manufacturing process forged throughout Hardened and tempered jaw induction hardened Material of pliers Chrome vanadium steel			
1.4.6	Pipe wrench 1/2 in		16	pcs
	Overall length approx. 240 mm Jaw capacity 35 mm Pipe $\varnothing$ 1/2 inch Jaw angle 45 degrees Manufacturing process forged throughout Hardened and tempered jaw induction hardened Material of pliers Chrome vanadium steel			
1.4.7	Adjustable spanner		16	pcs
	Overall length 300 mm Maximum width across flats 34 mm Jaw position 22 degrees Manufacturing process drop-forged and hardened			
1.4.8	Combination spanner set 25 pcs		16	pcs
	Drop-forged with oval shaft High-gloss chrome-plated Wrestling end angled 15° Output profile ring side: Dodecagonal Close tolerance jaw width Size 6; 7; 8; 9; 10; 11; 12; 13; 14; 15; 16; 17; 18; 19; 20; 21; 22; 23; 24; 25; 26; 27; 28; 30; 32			

1.4	G02 - LOT 1	PLUMBING WORKSHOP	NYAMIRA NP	
		ETTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Delivered in textile tool roll with snap fastener			
1.4.9	Socket wrench set		16	set
	Material - chrome-vanadium steel, matt satin chrome-plated Connecting square according ISO 1174, with ball lock Socket square drive according to ISO 1174, with ball stop groove 1/2" 2K lever reversible ratchet finely toothed, 72 teeth, 250 mm 1/2" Socket 12-sided SW 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 26, 27, 28, 30, 32 1/2" socket wrench extension 125, 250 mm magnifying piece/sliding piece 3/8" x 1/2", 44 mm Delivered in plastic case			
1.4.10	Screwdriver Set		16	set
	Handles made of impact-resistant hard plastic Oval shape with roll-off protection, no rolling away at the place of use Bit holder for use with e.g. a ratchet or a cordless screwdriver Bit storage in the transverse hole possible Chrome-plated, hardened blades with blackened tip Material blades: chrome-molybdenum-vanadium steel Content: Slotted screwdriver: Blade width: 6.5 mm / Blade thickness: 1.2 mm Slotted screwdriver: Blade width: 5.5 mm / Blade thickness: 1.0 mm Slotted screwdriver: Blade width: 4.0 mm / Blade thickness: 0.8 mm			

1.4	G02 - LOT 1	PLUMBING WORKSHOP	NYAMIRA NP	
		ETTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Electrician Slotted Screwdriver: Blade width: 3.5 mm / Blade thickness: 0.6 mm Phillips screwdriver PZ 1 Phillips screwdriver PZ 2 Phillips screwdriver PH 1 Phillips screwdriver PH 2 System Bit: For driving the included screwdrivers with system bit mount, e.g. by a ratchet or a cordless screwdriver			
1.4.11	Universal grip wrench		16	pcs
	Overall length 185 mm Jaw length 32 mm Jaw capacity 35 mm For clamping profiled and flat materials, clamping force up to 10,000 N Jaws of chrome vanadium steel, drop forged			
1.4.12	Combination pliers		16	pcs
	Overall length 160 mm Cutting capacity hard wire up to $\varnothing$ 2 mm Cutting capability medium hard wire up to $\varnothing$ 3.1 mm Jaw characteristics serrated Handle Multi-component covering Special tool steel Surface chrome-plated			
1.4.13	Diagonal side cutter		16	pcs
	Overall length 160 mm Cutting capacity soft wire up to $\varnothing$ 2.8 mm Cutting capacity hard wire up to $\varnothing$ 2 mm			

1.4	G02 - LOT 1	PLUMBING WORKSHOP	NYAMIRA NP	
		ETTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Handle Multi-component covering Cutting edges induction hardened (approx. 62 HRC) Chromium vanadium steel Surface chrome-plated			
1.4.14	Hacksaw frame		16	pcs
	For 300 mm sawblades Frame lacquered, with captive dowel pins Hardwood handle			
1.4.15	HSS bimetallic sawblade		100	pcs
	wavy teeth 24TPI length 300 mm			
1.4.16	General purpose hacksaw "PUK"		16	pcs
	Overall length 310 mm Blade length 150 mm Adjustable handle position			
1.4.17	Saw blades for "PUK" hacksaw		100	pcs
	Tooth pitch TPI 32 Blade thickness 0.4 mm Blade length 150 mm			
1.4.18	File set		16	set
	5-piece set of files with one each flat, 3-square, square, half-round and round file Length 205 mm, cut 2 with handles			
1.4.19	Engineer's hammer		16	pcs

1.4	G02 - LOT 1	PLUMBING WORKSHOP	NYAMIRA NP	
		ETTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Weight 500g Varnished hickory handle ergonomic shape, length 320 mm Hammer head drop-forged, hardened and tempered			
1.4.20	Tube deburring tool		16	pcs
	For internal and external deburring of tubes 10 to 54 mm For stainless steel pipes, other steel pipes, copper, brass, aluminium, plastic pipes Integrated hexagon driver for electric drive with cordless drill			
1.4.21	Sheet steel toolbox		16	pcs
	Made of 0.6 mm sheet steel External dimension length appr. 530 mm External dimension width appr. 200 mm External dimension height appr. 200 mm 5 piece, one of the upper compartments divided 50/50 Lockable with padlock			
1.4.22	Hammer drill		3	set
	Power 230 V / appr. 880W No-load speed 900 rpm Percussive performance min. 3,2 Joule Drilling performance: Concrete with drill bits for drill 4 - 28 mm Concrete with core drill 68 mm Masonry with core drill 68 mm Steel 13 mm Wood 30 mm Spinning stop for chisel works Chuck type SDS plus Delivered with Additional 13 mm chuck for cylindric drills			

1.4	G02 - LOT 1	PLUMBING WORKSHOP	NYAMIRA NP	
		ETTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Depth stop Additional handle Transport box			
1.4.23	11 pcs. Hammer drill SDS-plus		3	set
	Content: 1x pointed chisel 250 mm 1x flat chisel 250 mm SDS Plus drill bits: 1x drill 5 x 50 x 110 mm 1x drill 6 x 50 x 110 mm 1x drill 7 x 50 x 110 mm 1x drill 8 x 50 x 110 mm 1x drill 6 x 100 x 160 mm 1x drill 7 x 100 x 160 mm 1x drill 8 x 100 x 160 mm 1x drill 10 x 100 x 160 mm 1x drill 12 x 100 x 160 mm Delivered in metal case			
1.4.24	Cordless drill driver		4	set
	Accumulator 18 V Li-Ion 2,0 Ah No-load speed (1st gear / 2nd gear) 0 – 480 / 0 – 1,800 rpm Chuck capacity min./max. 1,5 / 13 mm Torque settings min. 20 Torque up to 55 Nm Max. drilling diameter Wood 35 mm 10 mm			

1.4	G02 - LOT 1	PLUMBING WORKSHOP	NYAMIRA NP	
		ETTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Max. screw diameter 10 mm Delivered with 2 x 2,0 Ah batteries, 1 x charger in transport box			
1.4.25	Gas soldering and brazing kit		4	set
	Scope of delivery: Soldering iron with copper piece 350 g, Soldering inserts size 5 and 7, Transfer spout, Small pressure regulator Mini without pressure gauge, Paint burner 32 and 64 mm, HD hose 1.5 m, double-sided with union nut G 3/8" LH, Torch wrench, Gas lighter, Small bottle for propane (425 g) Supplied in sheet steel box			
1.4.26	Copper pipe soldering kit		4	set
	3x 250 g S-Sn97Cu3 lead free solder 1x 250 g solder paste (60 % Sn97Cu3 + 40% flux) - detergent action cleans as it solders 10 x Pack of copper pipe cleaner fleece - for external copper pipe cleaning			
1.4.27	Stainless Steel Pressure Test Pump		2	pcs
	Operating pressure max. 20 bar Tank volume 12 litres 2 shut-off valves low-lying pressure gauge with protective cover Pump lever can be locked with chain Delivery includes 1.5 m high-pressure hose with steel mesh reinforcement and 1/2" male threaded connection Monobloc version			

1.4	G02 - LOT 1	PLUMBING WORKSHOP	NYAMIRA NP	
		ETTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Plastic pistons			
1.4.28	Copper pipe cutter set 3-42 mm		4	set
	Adjustable pipe cutter set - cuts copper, brass, aluminum and light gauge steel tube Mini pipe cutter - cutting capacity: 3 - 22 mm outside diameter Regular pipe cutter - cutting capacity: 6 - 42 mm outside diameter Steel wheel and rollers Retractable de-burrer			
1.4.29	Pipe shear, cutters for plastic pipes 0-42 mm		4	pcs
	Cutters for plastic pipes, for cutting polyethylene (PE), polypropylene (PP), cross-linked polyethylene (PEX) and polyvinylidene fluoride (PVDF) FEATURES : - Cuts plastic pipe 0-42 mm - Aluminum body rubberized handles - Ratchet cutting action - Right-angled cut removable - Instant release mechanism			
1.4.30	Pipe threader set, manual		4	set
	Cutting dies sizes: 1/4, 3/8, 1/2, 3/4, 1, 1 1/4 made of special tool steel Cutting clips, ratchet, die-cast aluminium head, right left barrel Ratchet extension: 2 pcs 480 mm With soft grip Delivered in plastic toolbox			

1.4	G02 - LOT 1	PLUMBING WORKSHOP	NYAMIRA NP	
		ETTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
1.4.31	Pipe bender Manual pipe bender for 15 and 22 mm copper tube and 15 mm stainless steel tube. Includes guides for plumbing, heating, refrigeration, air conditioning and other associated trades FEATURES: - Long handles with rubber grips - Form wheels with rollers - Bends up to 180 degrees (2 x 90 degrees bends) - 2 x Alloy profile guides - 15mm & 22 mm		4	pcs
1.4.32	Pipe cleaner (Plumber's snake) Diameter 9 mm Length 5 m with crank and retrieval drill ø 6 mm		2	pcs
1.4.33	Jobber drill set Drill range 1-13 mm HSS uncoated Drill type N, point angle 118 degrees Number of drills 29 Tapping hole dia. 3,3; 4,2; 6,8; 10,2 mm Incremental steps of drills 0,5 mm Delivered in case		3	set
1.4.34	Roll tape measure Plastic case with removable belt clip. Automatic, damped belt return and tape stop. Sliding sliding end hook. Tape measure yellow, black/red printed. Sliding end hook with 2 magnets.		16	pcs

1.4	G02 - LOT 1	PLUMBING WORKSHOP	NYAMIRA NP	
		ETTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Length 3 m			
1.4.35	Aluminium spirit level		5	pcs
	Sturdy, powder-coated aluminium profile MPE in normal position 0.5 mm/m Length 300 mm			
1.4.36	First aid kit		2	set
	Content Especially for construction and for the workshop: 1 x resuscitator 1 x splinter tweezers 8 cm 1 x Steri wash eyewash 5 x 20 ml 2 x aluminum compress 8 x 10 cm General First Aid Articles: 1x rescue blanket gold-silver 1x first aid scissors 18 cm 2x triangular cloth 1x disposable gloves vinyl powdered (pair) 1x non-woven cloth 10 pieces 1x color key 2x foil bag 2x FFP2 mouth-nose protection 1x wet wipes 1x cold instant compress 14 x 18 cm 1x safety sign first aid sticker 10 x 10 cm Assortment of plasters 3x 14-piece plaster set 1x adhesive plaster 2.5 cm x 5 m General Association Articles 1x bandage cloth 60 x 80 cm 1x quick wound dressing 6 x 8 cm 3x quick wound dressing 8 x 10 cm 1x quick wound dressing 10 x 12 cm 2x elastic fixation bandage 6 cm x 4 m 2x elastic fixation bandage 8 cm x 4 m 3x wound compress sterile 10 x 10 cm			

1.4	G02 - LOT 1	PLUMBING WORKSHOP	NYAMIRA NP	
		ETTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	2x eye compress 55 x 70 mm			
1.4.37	Cable drum 25m 25 m cable length (H05RR-F 3G1,5), used down to -35 °C, oil- and UV-resistant and also extremely abrasion-resistant Outdoor cable drum with overheating protection, indicator light in case of overheating and overload Drum body made of sheet steel, rust-protected galvanized, on a particularly sturdy carrying frame 3 safety sockets, splash-proof, with self-closing "Cablepilot" carrying handle for perfect cable routing. Oscillates on both sides and allows for comfortable carrying and hanging Drum diameter: 240 mm Protection class (IP): IP44 Line voltage 250 V Nominal power unrolled: 3500 (16 A) W		4	pcs
1.4.38	Plastic garbage can blue for scrap metal and chips Volume 120 Litre(s) Height appr. 1005 mm Material waste container Plastic Location Indoor and outdoor Equipped with lid Width appr. 505 mm Depth appr. 555 mm Wheel equipment 2 wheels Wheel diameter 200 mm Wheel material Rubber		1	pcs

1.4	G02 - LOT 1	PLUMBING WORKSHOP	NYAMIRA NP	
		ETTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
1.4.39	Plastic garbage can anthracite for residual waste		1	pcs
	Volume 120 Litre(s) Height appr. 1005 mm Material waste container Plastic Location Indoor and outdoor Equipped with lid Width appr. 505 mm Depth appr. 555 mm Wheel equipment 2 wheels Wheel diameter 200 mm Wheel material Rubber			
1.4.40	Pipe Vice, foldable 1/8"-3" for work bench		4	pcs
	4-point support for clamping pipes of all material types with Ø 1/8"-3" using the foldable pipe vice Movable upper jaw Epoxy-powder coating			
1.4.41	Sleeve welding machine		4	set
	- Suitable for PB, PE, PP, PVDF pipes - 230 V, 50 - 60 Hz heating element with heating elements covered with PTFE coating - Optional temperature adjustment of 180 - 290 ° C - Preset for PP pipes at 260 °C with electronic temperature control (EE) - Tube diameter Ø mm: 16-63 - Power: 800 W - Compliance: CE Standard or equivalent - Including 06 heads from 16 to 63 mm			

1.4	G02 - LOT 1	PLUMBING WORKSHOP	NYAMIRA NP	
		ETTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
1.4.42	Strap-fittings wrench, 8"		8	pcs
	- Nylon strap - Mono block body made of light aluminum alloy			
1.4.43	Cutting and chamfering tool		8	pcs
	for right-angled cutting and chamfering (15°) for pipes with Ø 32 - 110 mm. Length in cm approx. 255 mm Height in cm 75,0 mm, width 130 mm			
1.4.44	Clampset		2	pcs
	Cutting and chamfering tool 110 x 90 mm			
1.4.45	Clampset		2	pcs
	Cutting and chamfering tool 110 x 75 mm			
1.4.46	Clampset		2	pcs
	Cutting and chamfering tool 110 x 63 mm			
1.4.47	Clampset		2	pcs
	Cutting and chamfering tool 110 x 58 mm			
1.4.48	Clampset		2	pcs
	Cutting and chamfering tool 110 x 56 mm			
1.4.49	Clampset		2	pcs
	Cutting and chamfering tool 110 x 40 mm			

1.4	G02 - LOT 1	PLUMBING WORKSHOP	NYAMIRA NP	
		ETTI_WS_BC_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
1.4.50	Clampset		2	pcs
	Cutting and chamfering tool 110 x 32 mm			
1.4.51	Plastic Pipe Cutter		8	pcs
	- Max. cutting diameter: 0- 75mm - Cutting: PVC, PP, PU, PE - Blade: Stainless Steel or equivalent - Handle: Aluminum or equivalent			
1.4.52	Electric Pipe Threader Machine		1	pcs
	- Threading capacity PT 1/2"-3/4", 1"-2", 2 1/2"-4" - Power supply 220 V, 50 Hz - Motor power 750 W - No-load rotational speed: 8 - 25 rpm - With automatic open cutting stock, pipe cutter and deburrer - Delivered with 1 spare set of thread cutting inserts			

2.1	G02 - LOT 2	IT	KITALE NP	
2.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	IT Room			
2.1.1.1	Standard Notebook		3	pcs
	Processor type: x64 architecture, Intel I5 1235U OR AMD Ryzen 7 4800U or higher, min 2.5 gigahertz; Graphics: Intel Iris Xe Graphics or higher; Screen Size min. 16 inches, Resolution min 1920 x 1080 (Full HD); Optical drive DVD 24x (option); RAM min. 12 GB; BIOS: UEFI (optional Legacy-BIOS switch); Hard drive SSD min. 512 GB; Network: Ethernet RJ 45 onboard (10/100/1.000 Mbit/s), Wireless AC; External ports: USB 4 typ C, >=2, HDMI 1x, VGA Optional, Headphone/mic Jack; Camera Front facing, Built in Microphone, internal stereo speaker; Lithium-ion Battery Life 6 hours, Power adapter; optical USB mouse; Operating system Windows 11 Prof; all device driver must be available either on a CD/DVD or as downloads over the net; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery, certified for Windows 11; The device is provided with up to 5 standard software configurations, the composition of which is agreed with representatives of the schools. The standard configurations are made available as a standard image for the purpose of restoring corrupt systems.			
2.1.1.2	Laser Printer/Scanner b/w Type 1 A4		1	pcs
	Laser Printer b/w; min resolution print 1200 x 1200 dots per inch (dpi), copy and scan 600 x 600 dots per inch (dpi); Print Speed: >30 pages per minute; Duty Cycle: Up to 80,000; min 128 MB RAM; min 2,000-page print toner cartridge; Connectivity: Ethernet, USB, WLAN; Supported Paper Sizes: Legal, A4; Tray Capacity: >300; Media Weight (Minimum);60 grams per square meter, Media Weight (Maximum);175 grams			

2.1	G02 - LOT 2	IT			KITALE NP
2.1.1		KNP_CL_GE_1			
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit	
	per square meter; duplex printing, copier function, scanner function; incl. toner for 10000 A4 prints; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery				
2.1.1.3	Smart Board 75" touch		1	pcs	
	Panel Size: 75", Panel Type: TFT LCD Module, Display Area (mm): 1670 (H) x 940 (V) (75"diagonal), Aspect Ratio: 16:9, Resolution: UHD 3840x2160 (Pixels), Colors: 1.07B colors (10bit), Brightness: 350 nits (typ.), Contrast Ratio: 5000:1 (DCR), Response Time: 8ms, Viewing Angles: H = 178, V = 178 typ. Surface Treatment: Hardness: 9H Pencil AG glass Anti-glare coating, Type/ Tech: IR Recognition, Touch Resolution: 32767 x 32767, Touch Point: 20 points touch, 10 points writing HDMI: 2.0 x3 (3840x2160 @60Hz), RGB / VGA: x1, Audio: x1 (PC audio in), RS232: x1, LAN: RJ45: x1, USB: Type A: USB2.0: Front x2, Rear x1 (SmartPort™ for all) USB3.0: Front x1, Rear x3 (SmartPort™ for Rear x3), Type B: x2, for touch Energy Star Certified Delivery includes: (1x) 3m Length HDMI Cable, (1x) 3m Length USB cable (A-B), (1x) 3m Regional Power Cable, (1x) 2m Length USB-C Cable, (1x) Remote Control, (2x) Batteries for Remote Control, (4x) ActivPanel Pens, (1x) Block Eraser The smart board is mounted to a movable rack with four castors, diameter ≈10 cm				
2.1.1.4	Desktop visualizer		1	pcs	
	Resolution: 1920 x 1080 Full HD; camera resolution: min. 5 MP; Sensor: 1/3,2" CMOS; Frames per Second: min. 30;				

2.1	G02 - LOT 2	IT	KITALE NP	
2.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	angle:270 ° ; Optical Zoom: min. 10 x ; Digital Zoom: min. 10 x; Focussing: Manual and automatic focus; Inputs: 1 x HDMI,1 x Ethernet-Ports,1 x USB Type A,1 x USB Type B,1 x Mikrofon,1 x VGA; Outputs: 1 x HDMI,1 x VGA,1 x 3.5 mm Mini Jack; Accessories: AC/DC Adapter x1 / 15-pin D-sub Cable x1(VGA Cable) /USB Cable x1 / HDMI Cable x1 / Battery x2 / Remote Control x1 / Microscope Adapter x1 / Anti-glare Sheet x1 / Quick Guide x1 / CD x1			
2.1.1.5	Software applications IT Multipurpose - Room Licence		2	pcs
	Configuration of software applications for general IT training purposes (word processing, calculation, presentation, browser, basic drawing, basic picture and movie editing). The composition of which is agreed with representatives of the schools. The configuration is installed on the allocated PCs of the room and made available as a standard image for the purpose of restoring corrupt systems.			
2.1.1.6	Desktop PC Type 1 gen		20	pcs
	Processor type: x64 architecture; Processor => Intel i7-12700 or AMD Ryzen 7 5800X; => 2,5 gigahertz or better CPU; Graphics: Intel UHD 730 equivalent or better; RAM: 16 GB UDIMM DDR4 3200MHz; BIOS: UEFI (optional Legacy-BIOS switch); Optical drive DVD 24x ,Hard drive: at least SSD 512 GB, Read/Write Performance min. 500 MB/s; Network: Ethernet: RJ 45 onboard (10/100/1.000 Mbit/s); External ports: USB 3.x:>=4; USB 2: >=2; HDMI or DP: 1x; VGA: 1x; Audio In/Out: 2 (front/back); Internal connectors: PCIe x 16 Gen 4, 2 x PCIe x1 min.; Power supply: 220/230 V, 50 Hz , active PFC (Power Form Correction Factor), Efficiency 80 plus, min. 200 Watt; Input/output devices: Keyboard, Mouse, internal speaker; Noise emission: <40dB(A);			

2.1	G02 - LOT 2	IT	KITALE NP	
2.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Operating system: Windows 11 Prof; Driver: All device driver must be available either on a CD/DVD or as downloads over the net; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery; certified for Windows 11; Operating system: Windows 11 prof license; The device is provided with up to 5 standard software configurations, the composition of which is agreed with representatives of the schools. The standard configurations are made available as a standard image for the purpose of restoring corrupt systems.			
2.1.1.7	LED Monitor 24"		20	pcs
	LED monitor 24" 16:9 ratio; Flat panel display / TFT active matrix; min. resolution 1920 x 1080; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery, FCC Class B certified, CE, UL, TUV GS, VCCI, C-Tick, BSMI, ISO 9241-3, ISO 9241-8, ISO 9241-7, cUL, ISO 13406-2, WHQL; Min image brightness 300 cd/m2; min Image Contrast Ratio 700:1; max. Response Time max. 5ms DVI, HDMI, VGA connector			
2.1.1.8	Network Distribution Cubicle 19" Type 2		1	pcs
	12 HU, 19", H = 450mm, D = 500, W = 600mm Metal sheet, lacquered, all typical openings, glass front door, side panels and front door easily detachable, all fixtures and accessories for installation of up to 30 STP/UTP network cable and 2 standard network appliances; openings for ventilation; earthing rail			

2.1	G02 - LOT 2	IT	KITALE NP	
2.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
2.1.1.9	Patch panel Kat. 6+, 24 Ports		1	pcs
	19"-Modular Patch panel Cat. 6+ 1 HE, 24 Ports Shielded modular RJ45 sockets, LSAPLUS connectors including colour code EIA/TIA 568 quick lock and earthing wire			
2.1.1.10	Gigabit Switch unmanageable 24 ports, 2 SFP slots Front end		1	pcs
	24 x 10/100/1000 auto-sensing ports, Auto-MDIX (auto uplink) support; LCD display; 2 x small form-factor pluggable GBIC module slots (SFP); Complies with the IEEE 802.3az (Energy Efficient Ethernet EEE) specification; 52 Gbps switch fabric; Green Ethernet power-saving technology to deactivate unused ports and to adjust power levels based on the cable length; Store and forward switching architecture; IEEE 802.3x flow control for full duplex; Support of up to 8192 MAC address entries; 512 kBytes buffer memory			
2.1.1.11	Patch cable Rj45 - 2m coloured		25	pcs
	2m different colours min Cat 6+			
2.1.1.12	Wireless Access Point		1	pcs
	The listed specifications are minimum requirements; WLAN access point Data Link Protocol Bluetooth, IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, 802.11ax; Frequency band 2.4 GHz, 5 GHz; Maximum data rate (5 GHz): 1.2 Gbit/s Maximum data rate (2.4 GHz): 574 Mbit/s; Firewall, manageable; Static IP mode, Trusted Platform Module (TPM), Reset button, Low Density Parity Check (LDPC), suitable for Transmit Beamforming (TxBF), Advanced Cellular Coexistence (ACC), MU-MIMO technology, 2x2 MIMO technology, Smart Mesh technology, WPA2, WPA3; Wi-Fi			

2.1	G02 - LOT 2	IT	KITALE NP	
2.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	CERTIFIED 6; Internet of Things (IoT) compatible; 1 x Ethernet 1000 (uplink); Power Over Ethernet (PoE); Multiple BSSID, VLAN, PoE. Includes O&M manuals, 1 x network cable; Power supply The supplier must ensure and prove the proper use and function of the device on site, as well as instruct the user in the operation and maintenance of at least 4 hours.			
2.1.1.13	Electrical power supply and IT Network installation		10	pcs
	Integrated network and electrical power supply: Material and installation services to connect all lab tables to the sub distribution/network rack of the room Industrial system cable duct (wall mounting), plastic, round the lab with integrated sockets (≈ 1,5 m per workplace) - 3x socket 230V per workplace - 1 double outlet Kat 6+ per workplace - Lab-/Workbench connection according to power supply description			
2.1.2	IT for Class Rooms	KNP_CL_GE_1		
2.1.2.1	Standard Notebook		3	pcs
	Processor type: x64 architecture, Intel I5 1235U OR AMD Ryzen 7 4800U or higher, min 2.5 gigahertz; Graphics: Intel Iris Xe Graphics or higher; Screen Size min. 16 inches, Resolution min 1920 x 1080 (Full HD); Optical drive DVD 24x (option); RAM min. 12 GB; BIOS: UEFI (optional Legacy-BIOS switch); Hard drive SSD min. 512 GB; Network: Ethernet RJ 45 onboard (10/100/1.000 Mbit/s), Wireless AC; External ports: USB 4 typ C, >=2, HDMI 1x, VGA Optional, Headphone/mic Jack; Camera Front facing, Built in Microphone, internal stereo speaker; Lithium-ion Battery Life 6 hours, Power adapter; optical USB			

2.1	G02 - LOT 2	IT	KITALE NP	
2.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	mouse; Operating system Windows 11 Prof; all device driver must be available either on a CD/DVD or as downloads over the net; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery, certified for Windows 11; The device is provided with up to 5 standard software configurations, the composition of which is agreed with representatives of the schools. The standard configurations are made available as a standard image for the purpose of restoring corrupt systems.			
2.1.2.2	Laser Printer/Scanner b/w Type 1 A4		3	pcs
	Laser Printer b/w; min resolution print 1200 x 1200 dots per inch (dpi), copy and scan 600 x 600 dots per inch (dpi); Print Speed: >30 pages per minute; Duty Cycle: Up to 80,000; min 128 MB RAM; min 2,000-page print toner cartridge; Connectivity: Ethernet, USB, WLAN; Supported Paper Sizes: Legal, A4; Tray Capacity: >300; Media Weight (Minimum);60 grams per square meter, Media Weight (Maximum);175 grams per square meter; duplex printing, copier function, scanner function; incl. toner for 10000 A4 prints; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery			
2.1.2.3	Smart Board 75" touch		3	pcs

2.1	G02 - LOT 2	IT	KITALE NP	
2.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Panel Size: 75", Panel Type: TFT LCD Module, Display Area (mm): 1670 (H) x 940 (V) (75" diagonal), Aspect Ratio: 16:9, Resolution: UHD 3840x2160 (Pixels), Colors: 1.07B colors (10bit), Brightness: 350 nits (typ.), Contrast Ratio: 5000:1 (DCR), Response Time: 8ms, Viewing Angles: H = 178, V = 178 typ. Surface Treatment: Hardness: 9H Pencil AG glass Anti-glare coating, Type/ Tech: IR Recognition, Touch Resolution: 32767 x 32767, Touch Point: 20 points touch, 10 points writing HDMI: 2.0 x3 (3840x2160 @60Hz), RGB / VGA: x1, Audio: x1 (PC audio in), RS232: x1, LAN: RJ45: x1, USB: Type A: USB2.0: Front x2, Rear x1 (SmartPort™ for all) USB3.0: Front x1, Rear x3 (SmartPort™ for Rear x3), Type B: x2, for touch Energy Star Certified Delivery includes: (1x) 3m Length HDMI Cable, (1x) 3m Length USB cable (A-B), (1x) 3m Regional Power Cable, (1x) 2m Length USB-C Cable, (1x) Remote Control, (2x) Batteries for Remote Control, (4x) ActivPanel Pens, (1x) Block Eraser The smart board is mounted to a movable rack with four castors, diameter ≈10 cm			
2.1.2.4	Desktop visualizer		3	pcs
	Resolution: 1920 x 1080 Full HD; camera resolution: min. 5 MP; Sensor: 1/3,2" CMOS; Frames per Second: min. 30; angle: 270 ° ; Optical Zoom: min. 10 x ; Digital Zoom: min. 10 x; Focussing: Manual and automatic focus; Inputs: 1 x HDMI, 1 x Ethernet-Ports, 1 x USB Type A, 1 x USB Type B, 1 x Mikrofon, 1 x VGA; Outputs: 1 x HDMI, 1 x VGA, 1 x 3.5 mm Mini Jack; Accessories: AC/DC Adapter x1 / 15-pin D-sub Cable x1 (VGA Cable) / USB Cable x1 / HDMI Cable x1 / Battery x2 /			

2.1	G02 - LOT 2	IT	KITALE NP	
2.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Remote Control x1 / Microscope Adapter x1 / Anti-glare Sheet x1 / Quick Guide x1 / CD x1			
2.1.3	IT for Instruction Area WS Agriculture Mechatronics	KNP_WS_ME_2		
2.1.3.1	Laser Printer/Scanner b/w Type 1 A4		1	pcs
	Laser Printer b/w; min resolution print 1200 x 1200 dots per inch (dpi), copy and scan 600 x 600 dots per inch (dpi); Print Speed: >30 pages per minute; Duty Cycle: Up to 80,000; min 128 MB RAM; min 2,000-page print toner cartridge; Connectivity: Ethernet, USB, WLAN; Supported Paper Sizes: Legal, A4; Tray Capacity: >300; Media Weight (Minimum);60 grams per square meter, Media Weight (Maximum);175 grams per square meter; duplex printing, copier function, scanner function; incl. toner for 10000 A4 prints; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery			
2.1.3.2	Smart Board 75" touch		1	pcs
	Panel Size: 75", Panel Type: TFT LCD Module, Display Area (mm): 1670 (H) x 940 (V) (75"diagonal), Aspect Ratio: 16:9, Resolution: UHD 3840x2160 (Pixels), Colors: 1.07B colors (10bit), Brightness: 350 nits (typ.), Contrast Ratio: 5000:1 (DCR), Response Time: 8ms, Viewing Angles: H = 178, V = 178 typ. Surface Treatment: Hardness: 9H Pencil AG glass Anti-glare coating, Type/ Tech: IR Recognition, Touch Resolution: 32767 x 32767, Touch Point: 20 points touch, 10 points writing HDMI: 2.0 x3 (3840x2160 @60Hz), RGB / VGA: x1, Audio: x1			

2.1	G02 - LOT 2	IT	KITALE NP	
2.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	(PC audio in), RS232: x1, LAN: RJ45: x1, USB: Type A: USB2.0: Front x2, Rear x1 (SmartPort™ for all) USB3.0: Front x1, Rear x3 (SmartPort™ for Rear x3), Type B: x2, for touch Energy Star Certified Delivery includes: (1x) 3m Length HDMI Cable, (1x) 3m Length USB cable (A-B), (1x) 3m Regional Power Cable, (1x) 2m Length USB-C Cable, (1x) Remote Control, (2x) Batteries for Remote Control, (4x) ActivPanel Pens, (1x) Block Eraser The smart board is mounted to a movable rack with four castors, diameter ≈10 cm			
2.1.3.3	Desktop visualizer		1	pcs
	Resolution: 1920 x 1080 Full HD; camera resolution: min. 5 MP; Sensor: 1/3,2" CMOS; Frames per Second: min. 30; angle:270 ° ; Optical Zoom: min. 10 x ; Digital Zoom: min. 10 x; Focussing: Manual and automatic focus; Inputs: 1 x HDMI, 1 x Ethernet-Ports, 1 x USB Type A, 1 x USB Type B, 1 x Mikrofon, 1 x VGA; Outputs: 1 x HDMI, 1 x VGA, 1 x 3.5 mm Mini Jack; Accessories: AC/DC Adapter x1 / 15-pin D-sub Cable x1(VGA Cable) /USB Cable x1 / HDMI Cable x1 / Battery x2 / Remote Control x1 / Microscope Adapter x1 / Anti-glare Sheet x1 / Quick Guide x1 / CD x1			
2.1.3.4	Laptop trolley 135x42		1	pcs
	Notebook storage and charging station - Notebook trolley with telescopic drawers for 17" devices Secure, dust-free storage for up to 16 devices; 2 hinged doors with lock and three-point locking; 16 interior compartments with telescopic pull-outs, optionally for 15" or 17" devices; incl. 2 socket strips with 8 individually switchable sockets each; sturdy castors approx. 10cm in diameter, 2 of which are lockable;			

2.1	G02 - LOT 2	IT	KITALE NP	
2.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	dimensions W/H/D: 135 cm / 125 cm / 42 cm			
2.1.3.5	Standard Notebook		13	pcs
	Processor type: x64 architecture, Intel I5 1235U OR AMD Ryzen 7 4800U or higher, min 2.5 gigahertz; Graphics: Intel Iris Xe Graphics or higher; Screen Size min. 16 inches, Resolution min 1920 x 1080 (Full HD); Optical drive DVD 24x (option); RAM min. 12 GB; BIOS: UEFI (optional Legacy-BIOS switch); Hard drive SSD min. 512 GB; Network: Ethernet RJ 45 onboard (10/100/1.000 Mbit/s), Wireless AC; External ports: USB 4 typ C, >=2, HDMI 1x, VGA Optional, Headphone/mic Jack; Camera Front facing, Built in Microphone, internal stereo speaker; Lithium-ion Battery Life 6 hours, Power adapter; optical USB mouse; Operating system Windows 11 Prof; all device driver must be available either on a CD/DVD or as downloads over the net; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery, certified for Windows 11; The device is provided with up to 5 standard software configurations, the composition of which is agreed with representatives of the schools. The standard configurations are made available as a standard image for the purpose of restoring corrupt systems.			
2.1.3.6	Software applications IT Multipurpose - Room Licence		1	pcs
	Configuration of software applications for general IT training purposes (word processing, calculation, presentation, browser, basic drawing, basic picture and movie editing). The composition of which is agreed with representatives of the schools. The configuration is installed on the allocated PCs of the room and made available as a standard image for the purpose of restoring			

2.1	G02 - LOT 2	IT	KITALE NP	
2.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	corrupt systems.			
2.1.4	IT for Electronics Workshop	KNP_WS_E_2		
2.1.4.1	Standard Notebook		7	pcs
	Processor type: x64 architecture, Intel I5 1235U OR AMD Ryzen 7 4800U or higher, min 2.5 gigahertz; Graphics: Intel Iris Xe Graphics or higher; Screen Size min. 16 inches, Resolution min 1920 x 1080 (Full HD); Optical drive DVD 24x (option); RAM min. 12 GB; BIOS: UEFI (optional Legacy-BIOS switch); Hard drive SSD min. 512 GB; Network: Ethernet RJ 45 onboard (10/100/1.000 Mbit/s), Wireless AC; External ports: USB 4 typ C, >=2, HDMI 1x, VGA Optional, Headphone/mic Jack; Camera Front facing, Built in Microphone, internal stereo speaker; Lithium-ion Battery Life 6 hours, Power adapter; optical USB mouse; Operating system Windows 11 Prof; all device driver must be available either on a CD/DVD or as downloads over the net; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery, certified for Windows 11; The device is provided with up to 5 standard software configurations, the composition of which is agreed with representatives of the schools. The standard configurations are made available as a standard image for the purpose of restoring corrupt systems.			
2.1.4.2	Laser Printer/Scanner b/w Type 1 A4		1	pcs
	Laser Printer b/w; min resolution print 1200 x 1200 dots per inch (dpi), copy and scan 600 x 600 dots per inch (dpi); Print Speed: >30 pages per minute; Duty Cycle: Up to 80,000; min 128 MB RAM; min 2,000-page print toner cartridge; Connectivity: Ethernet, USB, WLAN; Supported Paper Sizes:			

2.1	G02 - LOT 2	IT			KITALE NP
2.1.1		KNP_CL_GE_1			
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit	
	Legal, A4; Tray Capacity: >300; Media Weight (Minimum);60 grams per square meter, Media Weight (Maximum);175 grams per square meter; duplex printing, copier function, scanner function; incl. toner for 10000 A4 prints; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery				
2.1.4.3	Smart Board 75" touch		1	pcs	
	Panel Size: 75", Panel Type: TFT LCD Module, Display Area (mm): 1670 (H) x 940 (V) (75"diagonal), Aspect Ratio: 16:9, Resolution: UHD 3840x2160 (Pixels), Colors: 1.07B colors (10bit), Brightness: 350 nits (typ.), Contrast Ratio: 5000:1 (DCR), Response Time: 8ms, Viewing Angles: H = 178, V = 178 typ. Surface Treatment: Hardness: 9H Pencil AG glass Anti-glare coating, Type/ Tech: IR Recognition, Touch Resolution: 32767 x 32767, Touch Point: 20 points touch, 10 points writing HDMI: 2.0 x3 (3840x2160 @60Hz), RGB / VGA: x1, Audio: x1 (PC audio in), RS232: x1, LAN: RJ45: x1, USB: Type A: USB2.0: Front x2, Rear x1 (SmartPort™ for all) USB3.0: Front x1, Rear x3 (SmartPort™ for Rear x3), Type B: x2, for touch Energy Star Certified Delivery includes: (1x) 3m Length HDMI Cable, (1x) 3m Length USB cable (A-B), (1x) 3m Regional Power Cable, (1x) 2m Length USB-C Cable, (1x) Remote Control, (2x) Batteries for Remote Control, (4x) ActivPanel Pens, (1x) Block Eraser The smart board is mounted to a movable rack with four castors, diameter ≈10 cm				

2.1	G02 - LOT 2	IT	KITALE NP	
2.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
2.1.4.4	Desktop visualizer		1	pcs
	Resolution: 1920 x 1080 Full HD; camera resolution: min. 5 MP; Sensor: 1/3,2" CMOS; Frames per Second: min. 30; angle:270 ° ; Optical Zoom: min. 10 x ; Digital Zoom: min. 10 x; Focussing: Manual and automatic focus; Inputs: 1 x HDMI,1 x Ethernet-Ports,1 x USB Type A,1 x USB Type B,1 x Mikrofon,1 x VGA; Outputs: 1 x HDMI,1 x VGA,1 x 3.5 mm Mini Jack; Accessories: AC/DC Adapter x1 / 15-pin D-sub Cable x1(VGA Cable) /USB Cable x1 / HDMI Cable x1 / Battery x2 / Remote Control x1 / Microscope Adapter x1 / Anti-glare Sheet x1 / Quick Guide x1 / CD x1			
2.1.4.5	Desktop PC Type 1 gen		6	pcs
	Processor type: x64 architecture; Processor => Intel i7-12700 or AMD Ryzen 7 5800X; => 2,5 gigahertz or better CPU; Graphics: Intel UHD 730 equivalent or better; RAM: 16 GB UDIMM DDR4 3200MHz; BIOS: UEFI (optional Legacy-BIOS switch); Optical drive DVD 24x ,Hard drive: at least SSD 512 GB, Read/Write Performance min. 500 MB/s; Network: Ethernet: RJ 45 onboard (10/100/1.000 Mbit/s); External ports: USB 3.x:>=4; USB 2: >=2; HDMI or DP: 1x; VGA: 1x; Audio In/Out: 2 (front/back); Internal connectors: PCIe x 16 Gen 4, 2 x PCIe x1 min.; Power supply: 220/230 V, 50 Hz , active PFC (Power Form Correction Factor), Efficiency 80 plus, min. 200 Watt; Input/output devices: Keyboard, Mouse, internal speaker; Noise emission: <40dB(A); Operating system: Windows 11 Prof; Driver: All device driver must be available either on a CD/DVD or as downloads over the net; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery; certified for Windows 11; Operating system:			

2.1	G02 - LOT 2	IT	KITALE NP	
2.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Windows 11 prof license; The device is provided with up to 5 standard software configurations, the composition of which is agreed with representatives of the schools. The standard configurations are made available as a standard image for the purpose of restoring corrupt systems.			
2.1.4.6	LED Monitor 24"		6	pcs
	LED monitor 24" 16:9 ratio; Flat panel display / TFT active matrix; min. resolution 1920 x 1080; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery, FCC Class B certified, CE, UL, TUV GS, VCCI, C-Tick, BSMI, ISO 9241-3, ISO 9241-8, ISO 9241-7, cUL, ISO 13406-2, WHQL; Min image brightness 300 cd/m2; min Image Contrast Ratio 700:1; max. Response Time max. 5ms DVI, HDMI, VGA connector			

2.2	G02 - LOT 2	IT	BUMBE TTI	
2.2.1		BTTI_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	IT Room			
2.2.1.1	Standard Notebook		1	pcs
	Processor type: x64 architecture, Intel I5 1235U OR AMD Ryzen 7 4800U or higher, min 2.5 gigahertz; Graphics: Intel Iris Xe Graphics or higher; Screen Size min. 16 inches, Resolution min 1920 x 1080 (Full HD); Optical drive DVD 24x (option); RAM min. 12 GB; BIOS: UEFI (optional Legacy-BIOS switch); Hard drive SSD min. 512 GB; Network: Ethernet RJ 45 onboard (10/100/1.000 Mbit/s), Wireless AC; External ports: USB 4 typ C, >=2, HDMI 1x, VGA Optional, Headphone/mic Jack; Camera Front facing, Built in Microphone, internal stereo speaker; Lithium-ion Battery Life 6 hours, Power adapter; optical USB mouse; Operating system Windows 11 Prof; all device driver must be available either on a CD/DVD or as downloads over the net; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery, certified for Windows 11; The device is provided with up to 5 standard software configurations, the composition of which is agreed with representatives of the schools. The standard configurations are made available as a standard image for the purpose of restoring corrupt systems.			
2.2.1.2	Laser Printer/Scanner b/w Type 1 A4		1	pcs
	Laser Printer b/w; min resolution print 1200 x 1200 dots per inch (dpi), copy and scan 600 x 600 dots per inch (dpi); Print Speed: >30 pages per minute; Duty Cycle: Up to 80,000; min 128 MB RAM; min 2,000-page print toner cartridge; Connectivity: Ethernet, USB, WLAN; Supported Paper Sizes: Legal, A4; Tray Capacity: >300; Media Weight (Minimum);60 grams per square meter, Media Weight (Maximum);175 grams			

2.2	G02 - LOT 2	IT			BUMBE TTI
2.2.1		BTTI_CL_GE_1			
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit	
	per square meter; duplex printing, copier function, scanner function; incl. toner for 10000 A4 prints; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery				
2.2.1.3	Smart Board 75" touch		1	pcs	
	Panel Size: 75", Panel Type: TFT LCD Module, Display Area (mm): 1670 (H) x 940 (V) (75"diagonal), Aspect Ratio: 16:9, Resolution: UHD 3840x2160 (Pixels), Colors: 1.07B colors (10bit), Brightness: 350 nits (typ.), Contrast Ratio: 5000:1 (DCR), Response Time: 8ms, Viewing Angles: H = 178, V = 178 typ. Surface Treatment: Hardness: 9H Pencil AG glass Anti-glare coating, Type/ Tech: IR Recognition, Touch Resolution: 32767 x 32767, Touch Point: 20 points touch, 10 points writing HDMI: 2.0 x3 (3840x2160 @60Hz), RGB / VGA: x1, Audio: x1 (PC audio in), RS232: x1, LAN: RJ45: x1, USB: Type A: USB2.0: Front x2, Rear x1 (SmartPort™ for all) USB3.0: Front x1, Rear x3 (SmartPort™ for Rear x3), Type B: x2, for touch Energy Star Certified Delivery includes: (1x) 3m Length HDMI Cable, (1x) 3m Length USB cable (A-B), (1x) 3m Regional Power Cable, (1x) 2m Length USB-C Cable, (1x) Remote Control, (2x) Batteries for Remote Control, (4x) ActivPanel Pens, (1x) Block Eraser The smart board is mounted to a movable rack with four castors, diameter ≈10 cm				

2.2	G02 - LOT 2	IT	BUMBE TTI	
2.2.1		BTTI_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
2.2.1.4	Desktop visualizer		1	pcs
	Resolution: 1920 x 1080 Full HD; camera resolution: min. 5 MP; Sensor: 1/3,2" CMOS; Frames per Second: min. 30; angle:270 ° ; Optical Zoom: min. 10 x ; Digital Zoom: min. 10 x; Focussing: Manual and automatic focus; Inputs: 1 x HDMI,1 x Ethernet-Ports,1 x USB Type A,1 x USB Type B,1 x Mikrofon,1 x VGA; Outputs: 1 x HDMI,1 x VGA,1 x 3.5 mm Mini Jack; Accessories: AC/DC Adapter x1 / 15-pin D-sub Cable x1(VGA Cable) /USB Cable x1 / HDMI Cable x1 / Battery x2 / Remote Control x1 / Microscope Adapter x1 / Anti-glare Sheet x1 / Quick Guide x1 / CD x1			
2.2.1.5	Software applications IT Multipurpose - Room Licence		2	pcs
	Configuration of software applications for general IT training purposes (word processing, calculation, presentation, browser, basic drawing, basic picture and movie editing). The composition of which is agreed with representatives of the schools. The configuration is installed on the allocated PCs of the room and made available as a standard image for the purpose of restoring corrupt systems.			
2.2.1.6	Desktop PC Type 1 gen		20	pcs
	Processor type: x64 architecture; Processor => Intel i7-12700 or AMD Ryzen 7 5800X; => 2,5 gigahertz or better CPU; Graphics: Intel UHD 730 equivalent or better; RAM: 16 GB UDIMM DDR4 3200MHz; BIOS: UEFI (optional Legacy-BIOS switch); Optical drive DVD 24x ,Hard drive: at least SSD 512 GB, Read/Write Performance min. 500 MB/s; Network: Ethernet: RJ 45 onboard (10/100/1.000 Mbit/s); External ports: USB 3.x:>=4; USB 2: >=2; HDMI or DP: 1x; VGA: 1x; Audio In/Out: 2 (front/back); Internal connectors: PCIe x 16 Gen 4, 2 x PCIe x1 min.; Power supply:			

2.2	G02 - LOT 2	IT	BUMBE TTI	
2.2.1		BTTI_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	220/230 V, 50 Hz , active PFC (Power Form Correction Factor), Efficiency 80 plus, min. 200 Watt; Input/output devices: Keyboard, Mouse, internal speaker; Noise emission: <40dB(A); Operating system: Windows 11 Prof; Driver: All device driver must be available either on a CD/DVD or as downloads over the net; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery; certified for Windows 11; Operating system: Windows 11 prof license; The device is provided with up to 5 standard software configurations, the composition of which is agreed with representatives of the schools. The standard configurations are made available as a standard image for the purpose of restoring corrupt systems.			
2.2.1.7	LED Monitor 24"		20	pcs
	LED monitor 24" 16:9 ratio; Flat panel display / TFT active matrix; min. resolution 1920 x 1080; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery, FCC Class B certified, CE, UL, TUV GS, VCCI, C-Tick, BSMI, ISO 9241-3, ISO 9241-8, ISO 9241-7, cUL, ISO 13406-2, WHQL; Min image brightness 300 cd/m2; min Image Contrast Ratio 700:1; max. Response Time max. 5ms DVI, HDMI, VGA connector			
2.2.1.8	Network Distribution Cubicle 19" Type 2		1	pcs
	12 HU, 19", H = 450mm, D = 500, W = 600mm Metal sheet, lacquered, all typical openings, glass front door, side panels and front door easily detachable, all fixtures and accessories for installation of up to 30 STP/UTP network cable and 2 standard network appliances;			

2.2	G02 - LOT 2	IT	BUMBE TTI	
2.2.1		BTTI_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	openings for ventilation; earthing rail			
2.2.1.9	Patch panel Kat. 6+, 24 Ports		1	pcs
	19"-Modular Patch panel Cat. 6+ 1 HE, 24 Ports Shielded modular RJ45 sockets, LSAPlus connectors including colour code EIA/TIA 568 quick lock and earthing wire			
2.2.1.10	Gigabit Switch unmanageable 24 ports, 2 SFP slots Front end		1	pcs
	24 x 10/100/1000 auto-sensing ports, Auto-MDIX (auto uplink) support; LCD display; 2 x small form-factor pluggable GBIC module slots (SFP); Complies with the IEEE 802.3az (Energy Efficient Ethernet EEE) specification; 52 Gbps switch fabric; Green Ethernet power-saving technology to deactivate unused ports and to adjust power levels based on the cable length; Store and forward switching architecture; IEEE 802.3x flow control for full duplex; Support of up to 8192 MAC address entries; 512 kBytes buffer memory			
2.2.1.11	Patch cable RJ45 - 2m coloured		25	pcs
	2m different colours min Cat 6+			
2.2.1.12	Wireless Access Point		1	pcs
	The listed specifications are minimum requirements; WLAN access point Data Link Protocol Bluetooth, IEEE 802.11b, IEEE 802.11a, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, 802.11ax; Frequency band 2.4 GHz, 5 GHz; Maximum data rate (5 GHz): 1.2 Gbit/s Maximum data rate (2.4 GHz): 574 Mbit/s; Firewall, manageable; Static IP mode, Trusted Platform Module (TPM), Reset button, Low Density Parity Check (LDPC), suitable			

2.2	G02 - LOT 2	IT	BUMBE TTI	
2.2.1		BTTI_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	for Transmit Beamforming (TxBF), Advanced Cellular Coexistence (ACC), MU-MIMO technology, 2x2 MIMO technology, Smart Mesh technology, WPA2, WPA3; Wi-Fi CERTIFIED 6; Internet of Things (IoT) compatible; 1 x Ethernet 1000 (uplink); Power Over Ethernet (PoE); Multible BSSID, VLAN, PoE. Includes O&M manuals, 1 x network cable; Power supply The supplier must ensure and prove the proper use and function of the device on site, as well as instruct the user in the operation and maintenance of at least 4 hours.			
2.2.1.13	Electrical power supply and IT Network installation		10	pcs
	Integrated network and electrical power supply: Material and installation services to connect all lab tables to the sub distribution/network rack of the room Industrial system cable duct (wall mounting), plastic, round the lab with integrated sockets (≈ 1,5 m per workplace) - 3x socket 230V per workplace - 1 double outlet Kat 6+ per workplace - Lab-/Workbench connection according to power supply description			

2.2	G02 - LOT 2	IT	BUMBE TTI	
2.2.1		BTTI_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
2.2.2	IT for Class Rooms	BTTI_CL_GE_1		
2.2.2.1	Standard Notebook		2	pcs
	Processor type: x64 architecture, Intel I5 1235U OR AMD Ryzen 7 4800U or higher, min 2.5 gigahertz; Graphics: Intel Iris Xe Graphics or higher; Screen Size min. 16 inches, Resolution min 1920 x 1080 (Full HD); Optical drive DVD 24x (option); RAM min. 12 GB; BIOS: UEFI (optional Legacy-BIOS switch); Hard drive SSD min. 512 GB; Network: Ethernet RJ 45 onboard (10/100/1.000 Mbit/s), Wireless AC; External ports: USB 4 typ C, >=2, HDMI 1x, VGA Optional, Headphone/mic Jack; Camera Front facing, Built in Microphone, internal stereo speaker; Lithium-ion Battery Life 6 hours, Power adapter; optical USB mouse; Operating system Windows 11 Prof; all device driver must be available either on a CD/DVD or as downloads over the net; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery, certified for Windows 11; The device is provided with up to 5 standard software configurations, the composition of which is agreed with representatives of the schools. The standard configurations are made available as a standard image for the purpose of restoring corrupt systems.			
2.2.2.2	Laser Printer/Scanner b/w Type 1 A4		2	pcs
	Laser Printer b/w; min resolution print 1200 x 1200 dots per inch (dpi), copy and scan 600 x 600 dots per inch (dpi); Print Speed: >30 pages per minute; Duty Cycle: Up to 80,000; min 128 MB RAM; min 2,000-page print toner cartridge; Connectivity: Ethernet, USB, WLAN; Supported Paper Sizes: Legal, A4; Tray Capacity: >300; Media Weight (Minimum);60 grams per square meter, Media Weight (Maximum);175 grams			

2.2	G02 - LOT 2	IT			BUMBE TTI
2.2.1		BTTI_CL_GE_1			
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit	
	per square meter; duplex printing, copier function, scanner function; incl. toner for 10000 A4 prints; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery				
2.2.2.3	Smart Board 75" touch		2	pcs	
	Panel Size: 75", Panel Type: TFT LCD Module, Display Area (mm): 1670 (H) x 940 (V) (75"diagonal), Aspect Ratio: 16:9, Resolution: UHD 3840x2160 (Pixels), Colors: 1.07B colors (10bit), Brightness: 350 nits (typ.), Contrast Ratio: 5000:1 (DCR), Response Time: 8ms, Viewing Angles: H = 178, V = 178 typ. Surface Treatment: Hardness: 9H Pencil AG glass Anti-glare coating, Type/ Tech: IR Recognition, Touch Resolution: 32767 x 32767, Touch Point: 20 points touch, 10 points writing HDMI: 2.0 x3 (3840x2160 @60Hz), RGB / VGA: x1, Audio: x1 (PC audio in), RS232: x1, LAN: RJ45: x1, USB: Type A: USB2.0: Front x2, Rear x1 (SmartPort™ for all) USB3.0: Front x1, Rear x3 (SmartPort™ for Rear x3), Type B: x2, for touch Energy Star Certified Delivery includes: (1x) 3m Length HDMI Cable, (1x) 3m Length USB cable (A-B), (1x) 3m Regional Power Cable, (1x) 2m Length USB-C Cable, (1x) Remote Control, (2x) Batteries for Remote Control, (4x) ActivPanel Pens, (1x) Block Eraser The smart board is mounted to a movable rack with four castors, diameter ≈10 cm				
2.2.2.4	Desktop visualizer		2	pcs	
	Resolution: 1920 x 1080 Full HD; camera resolution: min. 5 MP; Sensor: 1/3,2" CMOS; Frames per Second: min. 30;				

2.2	G02 - LOT 2	IT	BUMBE TTI	
2.2.1		BTTI_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	angle:270 ° ; Optical Zoom: min. 10 x ; Digital Zoom: min. 10 x; Focussing: Manual and automatic focus; Inputs: 1 x HDMI,1 x Ethernet-Ports,1 x USB Type A,1 x USB Type B,1 x Mikrofon,1 x VGA; Outputs: 1 x HDMI,1 x VGA,1 x 3.5 mm Mini Jack; Accessories: AC/DC Adapter x1 / 15-pin D-sub Cable x1(VGA Cable) /USB Cable x1 / HDMI Cable x1 / Battery x2 / Remote Control x1 / Microscope Adapter x1 / Anti-glare Sheet x1 / Quick Guide x1 / CD x1			
2.2.3	IT for Instruction Area WS Automotive	BTTI_WS_ME_3		
2.2.3.1	Laser Printer/Scanner b/w Type 1 A4		1	pcs
	Laser Printer b/w; min resolution print 1200 x 1200 dots per inch (dpi), copy and scan 600 x 600 dots per inch (dpi); Print Speed: >30 pages per minute; Duty Cycle: Up to 80,000; min 128 MB RAM; min 2,000-page print toner cartridge; Connectivity: Ethernet, USB, WLAN; Supported Paper Sizes: Legal, A4; Tray Capacity: >300; Media Weight (Minimum);60 grams per square meter, Media Weight (Maximum);175 grams per square meter; duplex printing, copier function, scanner function; incl. toner for 10000 A4 prints; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery			
2.2.3.2	Smart Board 75" touch		1	pcs
	Panel Size: 75", Panel Type: TFT LCD Module, Display Area (mm): 1670 (H) x 940 (V) (75"diagonal), Aspect Ratio: 16:9, Resolution: UHD 3840x2160 (Pixels), Colors: 1.07B colors (10bit), Brightness: 350 nits (typ.), Contrast Ratio: 5000:1 (DCR), Response Time: 8ms, Viewing Angles: H = 178, V = 178 typ. Surface Treatment: Hardness: 9H Pencil AG glass Anti-glare			

2.2	G02 - LOT 2	IT	BUMBE TTI	
2.2.1		BTTI_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	coating, Type/ Tech: IR Recognition, Touch Resolution: 32767 x 32767, Touch Point: 20 points touch, 10 points writing HDMI: 2.0 x3 (3840x2160 @60Hz), RGB / VGA: x1, Audio: x1 (PC audio in), RS232: x1, LAN: RJ45: x1, USB: Type A: USB2.0: Front x2, Rear x1 (SmartPort™ for all) USB3.0: Front x1, Rear x3 (SmartPort™ for Rear x3), Type B: x2, for touch Energy Star Certified Delivery includes: (1x) 3m Length HDMI Cable, (1x) 3m Length USB cable (A-B), (1x) 3m Regional Power Cable, (1x) 2m Length USB-C Cable, (1x) Remote Control, (2x) Batteries for Remote Control, (4x) ActivPanel Pens, (1x) Block Eraser The smart board is mounted to a movable rack with four castors, diameter ≈10 cm			
2.2.3.3	Desktop visualizer		1	pcs
	Resolution: 1920 x 1080 Full HD; camera resolution: min. 5 MP; Sensor: 1/3,2" CMOS; Frames per Second: min. 30; angle:270 ° ; Optical Zoom: min. 10 x ; Digital Zoom: min. 10 x; Focussing: Manual and automatic focus; Inputs: 1 x HDMI, 1 x Ethernet-Ports, 1 x USB Type A, 1 x USB Type B, 1 x Mikrofon, 1 x VGA; Outputs: 1 x HDMI, 1 x VGA, 1 x 3.5 mm Mini Jack; Accessories: AC/DC Adapter x1 / 15-pin D-sub Cable x1(VGA Cable) /USB Cable x1 / HDMI Cable x1 / Battery x2 / Remote Control x1 / Microscope Adapter x1 / Anti-glare Sheet x1 / Quick Guide x1 / CD x1			
2.2.3.4	Laptop trolley 135x42		1	pcs
	Notebook storage and charging station - Notebook trolley with telescopic drawers for 17" devices Secure, dust-free storage for up to 16 devices; 2 hinged doors			

2.2	G02 - LOT 2	IT	BUMBE TTI	
2.2.1		BTTI_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	with lock and three-point locking; 16 interior compartments with telescopic pull-outs, optionally for 15" or 17" devices; incl. 2 socket strips with 8 individually switchable sockets each; sturdy castors approx. 10cm in diameter, 2 of which are lockable; dimensions W/H/D: 135 cm / 125 cm / 42 cm			
2.2.3.5	Standard Notebook		13	pcs
	Processor type: x64 architecture, Intel I5 1235U OR AMD Ryzen 7 4800U or higher, min 2.5 gigahertz; Graphics: Intel Iris Xe Graphics or higher; Screen Size min. 16 inches, Resolution min 1920 x 1080 (Full HD); Optical drive DVD 24x (option); RAM min. 12 GB; BIOS: UEFI (optional Legacy-BIOS switch); Hard drive SSD min. 512 GB; Network: Ethernet RJ 45 onboard (10/100/1.000 Mbit/s), Wireless AC; External ports: USB 4 typ C, >=2, HDMI 1x, VGA Optional, Headphone/mic Jack; Camera Front facing, Built in Microphone, internal stereo speaker; Lithium-ion Battery Life 6 hours, Power adapter; optical USB mouse; Operating system Windows 11 Prof; all device driver must be available either on a CD/DVD or as downloads over the net; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery, certified for Windows 11; The device is provided with up to 5 standard software configurations, the composition of which is agreed with representatives of the schools. The standard configurations are made available as a standard image for the purpose of restoring corrupt systems.			

2.2	G02 - LOT 2	IT	BUMBE TTI	
2.2.1		BTTI_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
2.2.3.6	Software applications IT Multipurpose - Room Licence		1	pcs
	Configuration of software applications for general IT training purposes (word processing, calculation, presentation, browser, basic drawing, basic picture and movie editing). The composition of which is agreed with representatives of the schools. The configuration is installed on the allocated PCs of the room and made available as a standard image for the purpose of restoring corrupt systems.			

2.3	G02 - LOT 2	IT	NYAMIRA NP	
2.3.1				
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	IT for Class Rooms			
2.3.1.1	Standard Notebook		42	pcs
	Processor type: x64 architecture, Intel I5 1235U OR AMD Ryzen 7 4800U or higher, min 2.5 gigahertz; Graphics: Intel Iris Xe Graphics or higher; Screen Size min. 16 inches, Resolution min 1920 x 1080 (Full HD); Optical drive DVD 24x (option); RAM min. 12 GB; BIOS: UEFI (optional Legacy-BIOS switch); Hard drive SSD min. 512 GB; Network: Ethernet RJ 45 onboard (10/100/1.000 Mbit/s), Wireless AC; External ports: USB 4 typ C, >=2, HDMI 1x, VGA Optional, Headphone/mic Jack; Camera Front facing, Built in Microphone, internal stereo speaker; Lithium-ion Battery Life 6 hours, Power adapter; optical USB mouse; Operating system Windows 11 Prof; all device driver must be available either on a CD/DVD or as downloads over the net; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery, certified for Windows 11; The device is provided with up to 5 standard software configurations, the composition of which is agreed with representatives of the schools. The standard configurations are made available as a standard image for the purpose of restoring corrupt systems.			
2.3.1.2	Laser Printer/Scanner b/w Type 1 A4		2	pcs
	Laser Printer b/w; min resolution print 1200 x 1200 dots per inch (dpi), copy and scan 600 x 600 dots per inch (dpi); Print Speed: >30 pages per minute; Duty Cycle: Up to 80,000; min 128 MB RAM; min 2,000-page print toner cartridge; Connectivity: Ethernet, USB, WLAN; Supported Paper Sizes: Legal, A4; Tray Capacity: >300; Media Weight (Minimum);60 grams per square meter, Media Weight (Maximum);175 grams			

2.3	G02 - LOT 2	IT			NYAMIRA NP
2.3.1					
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit	
	per square meter; duplex printing, copier function, scanner function; incl. toner for 10000 A4 prints; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery				
2.3.1.3	Smart Board 75" touch		2	pcs	
	Panel Size: 75", Panel Type: TFT LCD Module, Display Area (mm): 1670 (H) x 940 (V) (75"diagonal), Aspect Ratio: 16:9, Resolution: UHD 3840x2160 (Pixels), Colors: 1.07B colors (10bit), Brightness: 350 nits (typ.), Contrast Ratio: 5000:1 (DCR), Response Time: 8ms, Viewing Angles: H = 178, V = 178 typ. Surface Treatment: Hardness: 9H Pencil AG glass Anti-glare coating, Type/ Tech: IR Recognition, Touch Resolution: 32767 x 32767, Touch Point: 20 points touch, 10 points writing HDMI: 2.0 x3 (3840x2160 @60Hz), RGB / VGA: x1, Audio: x1 (PC audio in), RS232: x1, LAN: RJ45: x1, USB: Type A: USB2.0: Front x2, Rear x1 (SmartPort™ for all) USB3.0: Front x1, Rear x3 (SmartPort™ for Rear x3), Type B: x2, for touch Energy Star Certified Delivery includes: (1x) 3m Length HDMI Cable, (1x) 3m Length USB cable (A-B), (1x) 3m Regional Power Cable, (1x) 2m Length USB-C Cable, (1x) Remote Control, (2x) Batteries for Remote Control, (4x) ActivPanel Pens, (1x) Block Eraser The smart board is mounted to a movable rack with four castors, diameter ≈10 cm				
2.3.1.4	Desktop visualizer		2	pcs	
	Resolution: 1920 x 1080 Full HD; camera resolution: min. 5 MP; Sensor: 1/3,2" CMOS; Frames per Second: min. 30; angle:				

2.3	G02 - LOT 2	IT	NYAMIRA NP	
2.3.1				
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	270 ° ; Optical Zoom: min. 10 x ; Digital Zoom: min. 10 x; Focussing: Manual and automatic focus; Inputs: 1 x HDMI, 1 x Ethernet-Ports, 1 x USB Type A, 1 x USB Type B, 1 x Mikrofon, 1 x VGA; Outputs: 1 x HDMI, 1 x VGA, 1 x 3.5 mm Mini Jack; Accessories: AC/DC Adapter x1 / 15-pin D-sub Cable x1(VGA Cable) /USB Cable x1 / HDMI Cable x1 / Battery x2 / Remote Control x1 / Microscope Adapter x1 / Anti-glare Sheet x1 / Quick Guide x1 / CD x1			
2.3.1.5	Laptop Trolley 25		2	pcs
	Laptop trolley to hold up to 25 laptops; compartment size approx. 100 × 400 × 400 mm; integrated cabling for charging the laptop (when trolley is closed); each compartment with a 220V/16A power outlet; surge protector and 2 fuses; LED indicates proper operation; outside main switch and power cord; Ventilation holes on the sides and rear wall; Body made of powder-coated sheet steel; top with working surface made of melamine coated LDF board with ABS edge; collision protection; handles on the side panels; doors with external hinges; opening angle approx. 180°, rubber buffer; turning handle with 2-point locking and cylinder lock Compliance with relevant ISO standards is mandatory and all bidders must indicate which ISO standards the offered item complies with.			
2.3.2	IT for Mechanic Plant Technician Workshop	ETTI_WS_ME_1		
2.3.2.1	Standard Notebook		20	pcs

2.3	G02 - LOT 2	IT	NYAMIRA NP	
2.3.1				
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Processor type: x64 architecture, Intel I5 1235U OR AMD Ryzen 7 4800U or higher, min 2.5 gigahertz; Graphics: Intel Iris Xe Graphics or higher; Screen Size min. 16 inches, Resolution min 1920 x 1080 (Full HD); Optical drive DVD 24x (option); RAM min. 12 GB; BIOS: UEFI (optional Legacy-BIOS switch); Hard drive SSD min. 512 GB; Network: Ethernet RJ 45 onboard (10/100/1.000 Mbit/s), Wireless AC; External ports: USB 4 typ C, >=2, HDMI 1x, VGA Optional, Headphone/mic Jack; Camera Front facing, Built in Microphone, internal stereo speaker; Lithium-ion Battery Life 6 hours, Power adapter; optical USB mouse; Operating system Windows 11 Prof; all device driver must be available either on a CD/DVD or as downloads over the net; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery, certified for Windows 11; The device is provided with up to 5 standard software configurations, the composition of which is agreed with representatives of the schools. The standard configurations are made available as a standard image for the purpose of restoring corrupt systems.			
2.3.2.2	Laser Printer/Scanner b/w Type 1 A4		2	pcs
	Laser Printer b/w; min resolution print 1200 x 1200 dots per inch (dpi), copy and scan 600 x 600 dots per inch (dpi); Print Speed: >30 pages per minute; Duty Cycle: Up to 80,000; min 128 MB RAM; min 2,000-page print toner cartridge; Connectivity: Ethernet, USB, WLAN; Supported Paper Sizes: Legal, A4; Tray Capacity: >300; Media Weight (Minimum);60 grams per square meter, Media Weight (Maximum);175 grams per square meter; duplex printing, copier function, scanner function; incl. toner for 10000 A4 prints; Certifications & Listings: Latest TCO certification of the product category, latest energy			

2.3	G02 - LOT 2	IT	NYAMIRA NP	
2.3.1				
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	saving certification (e.g. Energy Star) upon delivery			
2.3.2.3	Smart Board 75" touch		1	pcs
	Panel Size: 75", Panel Type: TFT LCD Module, Display Area (mm): 1670 (H) x 940 (V) (75"diagonal), Aspect Ratio: 16:9, Resolution: UHD 3840x2160 (Pixels), Colors: 1.07B colors (10bit), Brightness: 350 nits (typ.), Contrast Ratio: 5000:1 (DCR), Response Time: 8ms, Viewing Angles: H = 178, V = 178 typ. Surface Treatment: Hardness: 9H Pencil AG glass Anti-glare coating, Type/ Tech: IR Recognition, Touch Resolution: 32767 x 32767, Touch Point: 20 points touch, 10 points writing HDMI: 2.0 x3 (3840x2160 @60Hz), RGB / VGA: x1, Audio: x1 (PC audio in), RS232: x1, LAN: RJ45: x1, USB: Type A: USB2.0: Front x2, Rear x1 (SmartPort™ for all) USB3.0: Front x1, Rear x3 (SmartPort™ for Rear x3), Type B: x2, for touch Energy Star Certified Delivery includes: (1x) 3m Length HDMI Cable, (1x) 3m Length USB cable (A-B), (1x) 3m Regional Power Cable, (1x) 2m Length USB-C Cable, (1x) Remote Control, (2x) Batteries for Remote Control, (4x) ActivPanel Pens, (1x) Block Eraser The smart board is mounted to a movable rack with four castors, diameter ≈10 cm			
2.3.2.4	Desktop visualizer		1	pcs

2.3	G02 - LOT 2	IT			NYAMIRA NP
2.3.1					
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit	
	Resolution: 1920 x 1080 Full HD; camera resolution: min. 5 MP; Sensor: 1/3,2" CMOS; Frames per Second: min. 30; angle:270 ° ; Optical Zoom: min. 10 x ; Digital Zoom: min. 10 x; Focussing: Manual and automatic focus; Inputs: 1 x HDMI,1 x Ethernet-Ports,1 x USB Type A,1 x USB Type B,1 x Mikrofon,1 x VGA; Outputs: 1 x HDMI,1 x VGA,1 x 3.5 mm Mini Jack; Accessories: AC/DC Adapter x1 / 15-pin D-sub Cable x1(VGA Cable) /USB Cable x1 / HDMI Cable x1 / Battery x2 / Remote Control x1 / Microscope Adapter x1 / Anti-glare Sheet x1 / Quick Guide x1 / CD x1				
2.3.2.5	Software applications IT Multipurpose - Room Licence		1	pcs	
	Configuration of software applications for general IT training purposes (word processing, calculation, presentation, browser, basic drawing, basic picture and movie editing). The composition of which is agreed with representatives of the schools. The configuration is installed on the allocated PCs of the room and made available as a standard image for the purpose of restoring corrupt systems.				
2.3.2.6	Desktop PC Type 1 gen		6	pcs	
	Processor type: x64 architecture; Processor => Intel i7-12700 or AMD Ryzen 7 5800X; => 2,5 gigahertz or better CPU; Graphics: Intel UHD 730 equivalent or better; RAM: 16 GB UDIMM DDR4 3200MHz; BIOS: UEFI (optional Legacy-BIOS switch); Optical drive DVD 24x ,Hard drive: at least SSD 512 GB, Read/Write Performance min. 500 MB/s; Network: Ethernet: RJ 45 onboard (10/100/1.000 Mbit/s); External ports: USB 3.x:>=4; USB 2: >=2; HDMI or DP: 1x; VGA: 1x; Audio In/Out: 2 (front/back); Internal connectors: PCIe x 16 Gen 4, 2 x PCIe x1 min.; Power supply: 220/230 V, 50 Hz , active PFC (Power Form Correction Factor).				

2.3	G02 - LOT 2	IT	NYAMIRA NP	
2.3.1				
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Efficiency 80 plus, min. 200 Watt; Input/output devices: Keyboard, Mouse, internal speaker; Noise emission: <40dB(A); Operating system: Windows 11 Prof; Driver: All device driver must be available either on a CD/DVD or as downloads over the net; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery; certified for Windows 11; Operating system: Windows 11 prof license; The device is provided with up to 5 standard software configurations, the composition of which is agreed with representatives of the schools. The standard configurations are made available as a standard image for the purpose of restoring corrupt systems.			
2.3.2.7	LED Monitor 24"		6	pcs
	LED monitor 24" 16:9 ratio; Flat panel display / TFT active matrix; min. resolution 1920 x 1080; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery, FCC Class B certified, CE, UL, TUV GS, VCCI, C-Tick, BSMI, ISO 9241-3, ISO 9241-8, ISO 9241-7, cUL, ISO 13406-2, WHQL; Min image brightness 300 cd/m2; min Image Contrast Ratio 700:1; max. Response Time max. 5ms DVI, HDMI, VGA connector			
2.3.3	IT for WS Electric Basic	ETTI_WS_EE_1		
2.3.3.1	Standard Notebook		1	pcs
	Processor type: x64 architecture, Intel I5 1235U OR AMD Ryzen 7 4800U or higher, min 2.5 gigahertz; Graphics: Intel Iris Xe Graphics or higher; Screen Size min. 16 inches, Resolution min 1920 x 1080 (Full HD); Optical drive DVD 24x (option); RAM min. 12 GB; BIOS: UEFI (optional Legacy-BIOS switch); Hard			

2.3	G02 - LOT 2	IT	NYAMIRA NP	
2.3.1				
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	drive SSD min. 512 GB; Network: Ethernet RJ 45 onboard (10/100/1.000 Mbit/s), Wireless AC; External ports: USB 4 typ C, >=2, HDMI 1x, VGA Optional, Headphone/mic Jack; Camera Front facing, Built in Microphone, internal stereo speaker; Lithium-ion Battery Life 6 hours, Power adapter; optical USB mouse; Operating system Windows 11 Prof; all device driver must be available either on a CD/DVD or as downloads over the net; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery, certified for Windows 11; The device is provided with up to 5 standard software configurations, the composition of which is agreed with representatives of the schools. The standard configurations are made available as a standard image for the purpose of restoring corrupt systems.			
2.3.3.2	Laser Printer/Scanner b/w Type 1 A4		1	pcs
	Laser Printer b/w; min resolution print 1200 x 1200 dots per inch (dpi), copy and scan 600 x 600 dots per inch (dpi); Print Speed: >30 pages per minute; Duty Cycle: Up to 80,000; min 128 MB RAM; min 2,000-page print toner cartridge; Connectivity: Ethernet, USB, WLAN; Supported Paper Sizes: Legal, A4; Tray Capacity: >300; Media Weight (Minimum);60 grams per square meter, Media Weight (Maximum);175 grams per square meter; duplex printing, copier function, scanner function; incl. toner for 10000 A4 prints; Certifications & Listings: Latest TCO certification of the product category, latest energy saving certification (e.g. Energy Star) upon delivery			
2.3.3.3	Smart Board 75" touch		1	pcs

2.3	G02 - LOT 2	IT	NYAMIRA NP	
2.3.1				
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Panel Size: 75", Panel Type: TFT LCD Module, Display Area (mm): 1670 (H) x 940 (V) (75"diagonal), Aspect Ratio: 16:9, Resolution: UHD 3840x2160 (Pixels), Colors: 1.07B colors (10bit), Brightness: 350 nits (typ.), Contrast Ratio: 5000:1 (DCR), Response Time: 8ms, Viewing Angles: H = 178, V = 178 typ. Surface Treatment: Hardness: 9H Pencil AG glass Anti-glare coating, Type/ Tech: IR Recognition, Touch Resolution: 32767 x 32767, Touch Point: 20 points touch, 10 points writing HDMI: 2.0 x3 (3840x2160 @60Hz), RGB / VGA: x1, Audio: x1 (PC audio in), RS232: x1, LAN: RJ45: x1, USB: Type A: USB2.0: Front x2, Rear x1 (SmartPort™ for all) USB3.0: Front x1, Rear x3 (SmartPort™ for Rear x3), Type B: x2, for touch Energy Star Certified Delivery includes: (1x) 3m Length HDMI Cable, (1x) 3m Length USB cable (A-B), (1x) 3m Regional Power Cable, (1x) 2m Length USB-C Cable, (1x) Remote Control, (2x) Batteries for Remote Control, (4x) ActivPanel Pens, (1x) Block Eraser The smart board is mounted to a movable rack with four castors, diameter ≈10 cm			
2.3.3.4	Desktop visualizer		1	pcs
	Resolution: 1920 x 1080 Full HD; camera resolution: min. 5 MP; Sensor: 1/3,2" CMOS; Frames per Second: min. 30; angle:270 ° ; Optical Zoom: min. 10 x ; Digital Zoom: min. 10 x; Focussing: Manual and automatic focus; Inputs: 1 x HDMI, 1 x Ethernet-Ports, 1 x USB Type A, 1 x USB Type B, 1 x Mikrofon, 1 x VGA; Outputs: 1 x HDMI, 1 x VGA, 1 x 3.5 mm Mini Jack; Accessories: AC/DC Adapter x1 / 15-pin D-sub Cable x1(VGA Cable) /USB Cable x1 / HDMI Cable x1 / Battery x2 /			

2.3	G02 - LOT 2	IT	NYAMIRA NP	
2.3.1				
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Remote Control x1 / Microscope Adapter x1 / Anti-glare Sheet x1 / Quick Guide x1 / CD x1			

3.1	G02 - LOT 3	FURNITURE	KITALE NP	
3.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Furniture for Class Rooms			
3.1.1.1	Universal table Lab, rectangular 800 x 800		126	pcs
	Universal table, frame and legs of circular tube 40/2 mm, powder coated, adjustable gliders; Table top made of pearl grey plastic, extremely dense and rigid L x W x H appr.: 800/800/760 mm The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.1.1.2	Swivel Chair Type 2, fabric		3	pcs
	Breathable backrest with adjustable lumbar support; Spacious seat with high-density padding; Synchronized mechanism with 3 positions; Height-adjustable armrests with soft pad support; Sturdy and stable frame made of chromed steel; Breathable mesh and fabric cover, black; Seat height 42 - 52 cm; Seat width 52 cm; Seat depth 50 cm; Backrest height 62 cm; Armrest 14 - 24 cm (from the seat); Castors approx. 11x65 mm for hard floors; Load capacity up to max. 140 kg;			
3.1.1.3	Mobile Storage Container (420 x 600 mm)		6	pcs
	Mobile container made of steel with 4 drawers; Material body and drawers made of sturdy steel with electrostatic resistant powder coating; Dimensions ca. 60 x 42 x 62 cm (LxWxH); Locking system central push cylinder lock with 2 keys; drawers with telescopic runners full extension possible; top drawer suitable for small utensils; handles on the sides of the drawers; front rollers can be locked			
3.1.1.4	White Board (movable)		3	pcs

3.1	G02 - LOT 3	FURNITURE	KITALE NP	
3.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Mobile on heavy duty castors with brakes and robust carrying frame; size appr. 2000 x 1000 mm (W x H); minor deviations of the dimensions are possible but have to correspond with the layout plans provided with the tender documents Writing surface on both sides, steel plastic coated, magnetic and dry cleanable. Both sides white, turn able by 360° plus stopper, tray/holder for markers. Including: 4 x White board marker, set of 6 markers in different colours, 2x cleaning pad The manufacturer shall have a structured quality management system installed, e.g. in accordance with ISO 9001 or equivalent.			
3.1.1.5	Classroom table 120 x 60		60	pcs
	Universal table, frame and legs of circular tube 40/2 mm, powder coated, adjustable gliders; Table top made of pearl grey plastic, extremely dense and rigid L x W x H appr.: 1200/600/740 mm; adjustable gliders The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.1.1.6	Swivel Work Chair Type 1 , beech		120	pcs

3.1	G02 - LOT 3	FURNITURE	KITALE NP	
3.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Five-star tubular steel base, powder coated, seat height adjustment with safety gas spring, permanent contact backrest. Seat and backrest material: multilayer beech plywood min. 6mm, Size appr. 415 x 390 mm (W x D) height adjustable: 380 - 510 mm; minor deviations of the dimensions are possible but have to correspond with the layout and ground plans of the rooms provided with the tender documents The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.1.1.7	Moveable Pinboard (1200 x 1000 mm)		24	pcs
	Pinboard with cork surface, fabric cover blue, Size appr. 1200 x 1000 mm (W x H); aluminium frame, moveable on castors, adjustable height, robust design The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.1.1.8	Bar Table (700 x 110 mm)		3	pcs

3.1	G02 - LOT 3	FURNITURE	KITALE NP	
3.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Size appr. 700 x 1100 mm (Diameter x H); the table top must be laminated, resistant to scratching, heat, acids, caustic substances. Minor deviations of the dimensions are possible but have to correspond with the layout and ground plans of the rooms provided with the tender documents; the top layers of the chipboard must be extremely dense and rigid. The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.1.1.9	Pinboard (cork)		6	pcs
	Pinboard with cork surface, fabric cover blue, Size appr. 1200 x 1000 mm (W x H); aluminium frame, wall mounting, robust design			
3.1.1.10	Flipchart		3	pcs
	Flipchart board adjustable height from appr. 1600 - 2200 mm; powder coated metal board, board size approx. 700 x 1100 mm (W x H); pen-holder, star foot with castors, 2 lockable; incl. 3 packages of flip-chart paper, min. 25 sheets			
3.1.1.11	Recycling Bin		3	pcs
	Stainless steel recycling bin; 3 x min 15-liter Compartments; Pedal & Inner Buckets			

3.1	G02 - LOT 3	FURNITURE	KITALE NP	
3.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
3.1.1.12	Steel cabinet 500 x 1000 x 2000		3	pcs
	Steel cabinet, approx. height 2000 mm, width/dept 1000/400 mm. Body and doors of 0.9 mm sheet steel, storage shelf mountings at 40 mm intervals. Doors reinforced on the inside, can be locked by push handle with cylinder lock. Complete with 4 storage shelves of sheet metal.			
3.1.2	Furniture for IT Room	KNP_CL_GE_1		
3.1.2.1	Universal table Lab, rectangular 800 x 800		2	pcs
	Universal table, frame and legs of circular tube 40/2 mm, powder coated, adjustable gliders; Table top made of pearl grey plastic, extremely dense and rigid L x W x H appr.: 800/800/760 mm The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.1.2.2	Swivel Chair Type 2, fabric		1	pcs
	Breathable backrest with adjustable lumbar support; Spacious seat with high-density padding; Synchronized mechanism with 3 positions; Height-adjustable armrests with softpad support; Sturdy and stable frame made of chromed steel; Breathable mesh and fabric cover, black; Seat height 42 - 52 cm; Seat width 52 cm; Seat depth 50 cm; Backrest height 62 cm; Armrest 14 - 24 cm (from the seat); Castors approx. 11x65 mm for hard floors; Load capacity up to max. 140 kg;			
3.1.2.3	Mobile Storage Container (420 x 600 mm)		2	pcs

3.1	G02 - LOT 3	FURNITURE	KITALE NP	
3.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Mobile container made of steel with 4 drawers; Material body and drawers made of sturdy steel with electrostatic resistant powder coating; Dimensions ca. 60 x 42 x 62 cm (LxWxH); Locking system central push cylinder lock with 2 keys; drawers with telescopic runners full extension possible; top drawer suitable for small utensils; handles on the sides of the drawers; front rollers can be locked	-		
3.1.2.4	White Board (movable)		1	pcs
	Mobile on heavy duty castors with brakes and robust carrying frame; size appr. 2000 x 1000 mm (W x D); minor deviations of the dimensions are possible but have to correspond with the layout plans provided with the tender documents Writing surface on both sides, steel plastic coated, magnetic and dry cleanable. Both sides white, turn able by 360° plus stopper, tray/holder for markers. Including: 4 x White board marker, set of 6 markers in different colours, 2x cleaning pad The manufacturer shall have a structured quality management system installed, e.g. in accordance with ISO 9001 or equivalent.			
3.1.2.5	Classroom table 120 x 60		10	pcs

3.1	G02 - LOT 3	FURNITURE	KITALE NP	
3.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Universal table, frame and legs of circular tube 40/2 mm, powder coated, adjustable gliders; Table top made of pearl grey plastic, extremely dense and rigid L x W x H appr.: 1200/600/740 mm; adjustable gliders The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.1.2.6	Swivel Work Chair Type 1 , beech		20	pcs
	Five-star tubular steel base, powder coated, seat height adjustment with safety gas spring, permanent contact backrest. Seat and backrest material: multilayer beech plywood min. 6mm, Size appr. 415 x 390 mm (W x D) height adjustable: 380 - 510 mm; minor deviations of the dimensions are possible but have to correspond with the layout and ground plans of the rooms provided with the tender documents The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.1.2.7	Moveable Pinboard (1200 x 1000 mm)		4	pcs

3.1	G02 - LOT 3	FURNITURE	KITALE NP	
3.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Pinboard with cork surface, fabric cover blue, Size appr. 1200 x 1000 mm (W x D); aluminium frame, moveable on castors, adjustable height, robust design The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.1.2.8	Bar Table (700 x 110 mm)		1	pcs
	Size appr. 700 x 1100 mm (Diameter x H); the table top must be laminated, resistant to scratching, heat, acids, caustic substances. Minor deviations of the dimensions are possible but have to correspond with the layout and ground plans of the rooms provided with the tender documents; the top layers of the chipboard must be extremely dense and rigid. The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.1.2.9	Pinboard (cork)		2	pcs

3.1	G02 - LOT 3	FURNITURE	KITALE NP	
3.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Pinboard with cork surface, fabric cover blue, Size appr. 1200 x 1000 mm (W x H); aluminium frame, wall mounting, robust design			
3.1.2.10	Flipchart		1	pcs
	Flipchart board adjustable height from appr. 1600 - 2200 mm; powder coated metal board, board size approx. 700 x 1100 mm (W x H); pen-holder, star foot with castors, 2 lockable; incl. 3 packages of flip-chart paper, min. 25 sheets			
3.1.2.11	Recycling Bin		1	pcs
	Stainless steel recycling bin; 3 x min 15-liter Compartments; Pedal & Inner Buckets			
3.1.2.12	Steel cabinet 500 x 1000 x 2000		1	pcs
	Steel cabinet, approx. height 2000 mm, width/dept 1000/400 mm. Body and doors of 0.9 mm sheet steel, storage shelf mountings at 40 mm intervals. Doors reinforced on the inside, can be locked by push handle with cylinder lock. Complete with 4 storage shelves of sheet metal.			
3.1.2.13	Conference Table (Trapezoid)		6	pcs
	Universal table, frame of rectangular tube 50 x 20 x 2 mm; 4 legs from circular tubes 40/2 mm, powder coated; adjustable gliders Table top trapezoidal size appr. 1400 x 700 x 750 mm (L x W x H); minor deviations of the dimensions are possible but have to correspond with the layout and ground plans of the rooms provided with the tender documents; made of pearl grey plastic, extremely dense and rigid without bag storage; The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			

3.1	G02 - LOT 3	FURNITURE	KITALE NP	
3.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
3.1.2.14	Workshop Chair		20	pcs
	4 legs, Sturdy tubular steel frame powder-coated, with plastic floor glides, wooden round seat diameter appr. 350 mm, seat height appr. 500 mm, stackable The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.1.3	Furniture for Instruction Area WS Agriculture Mechatronics	KNP_WS_ME_2		
3.1.3.1	Universal table Lab, rectangular 800 x 800		2	pcs
	Universal table, frame and legs of circular tube 40/2 mm, powder coated, adjustable gliders; Table top made of pearl grey plastic, extremely dense and rigid L x W x H appr.: 800/800/760 mm The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.1.3.2	Swivel Chair Type 2, fabric		1	pcs

3.1	G02 - LOT 3	FURNITURE	KITALE NP	
3.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Breathable backrest with adjustable lumbar support; Spacious seat with high-density padding; Synchronized mechanism with 3 positions; Height-adjustable armrests with soft pad support; Sturdy and stable frame made of chromed steel; Breathable mesh and fabric cover, black; Seat height 42 - 52 cm; Seat width 52 cm; Seat depth 50 cm; Backrest height 62 cm; Armrest 14 - 24 cm (from the seat); Castors approx. 11x65 mm for hard floors; Load capacity up to max. 140 kg;			
3.1.3.3	Mobile Storage Container (420 x 600 mm)		2	pcs
	Mobile container made of steel with 4 drawers; Material body and drawers made of sturdy steel with electrostatic resistant powder coating; Dimensions ca. 60 x 42 x 62 cm (LxWxH); Locking system central push cylinder lock with 2 keys; drawers with telescopic runners full extension possible; top drawer suitable for small utensils; handles on the sides of the drawers; front rollers can be locked			
3.1.3.4	White Board (movable)		1	pcs

3.1	G02 - LOT 3	FURNITURE	KITALE NP	
3.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Mobile on heavy duty castors with brakes and robust carrying frame; size appr. 2000 x 1000 mm (W x H); minor deviations of the dimensions are possible but have to correspond with the layout plans provided with the tender documents Writing surface on both sides, steel plastic coated, magnetic and dry cleanable. Both sides white, turn able by 360° plus stopper, tray/holder for markers. Including: 4 x White board marker, set of 6 markers in different colours, 2x cleaning pad The manufacturer shall have a structured quality management system installed, e.g. in accordance with ISO 9001 or equivalent.			
3.1.3.5	Classroom table 120 x 60		6	pcs
	Universal table, frame and legs of circular tube 40/2 mm, powder coated, adjustable gliders; Table top made of pearl grey plastic, extremely dense and rigid L x W x H appr.: 1200/600/740 mm; adjustable gliders The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.1.3.6	Swivel Work Chair Type 1 , beech		12	pcs

3.1	G02 - LOT 3	FURNITURE	KITALE NP	
3.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Five-star tubular steel base, powder coated, seat height adjustment with safety gas spring, permanent contact backrest. Seat and backrest material: multilayer beech plywood min. 6mm, Size appr. 415 x 390 mm (W x D) height adjustable: 380 - 510 mm; minor deviations of the dimensions are possible but have to correspond with the layout and ground plans of the rooms provided with the tender documents The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.1.3.7	Moveable Pinboard (1200 x 1000 mm)		4	pcs
	Pinboard with cork surface, fabric cover blue, Size appr. 1200 x 1000 mm (W x H); aluminium frame, moveable on castors, adjustable height, robust design The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.1.3.8	Bar Table (700 x 110 mm)		1	pcs

3.1	G02 - LOT 3	FURNITURE	KITALE NP	
3.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Size appr. 700 x 1100 mm (Diameter x H); the table top must be laminated, resistant to scratching, heat, acids, caustic substances. Minor deviations of the dimensions are possible but have to correspond with the layout and ground plans of the rooms provided with the tender documents; the top layers of the chipboard must be extremely dense and rigid. The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.1.3.9	Pinboard (cork)		2	pcs
	Pinboard with cork surface, fabric cover blue, Size appr. 1200 x 1000 mm (W x H); aluminium frame, wall mounting, robust design			
3.1.3.10	Flipchart		1	pcs
	Flipchart board adjustable height from appr. 1600 - 2200 mm; powder coated metal board, board size approx. 700 x 1100 mm (W x H); pen-holder, star foot with castors, 2 lockable; incl. 3 packages of flip-chart paper, min. 25 sheets			
3.1.3.11	Recycling Bin		1	pcs
	Stainless steel recycling bin; 3 x min 15-liter Compartments; Pedal & Inner Buckets			
3.1.3.12	Steel cabinet 500 x 1000 x 2000		1	pcs

3.1	G02 - LOT 3	FURNITURE	KITALE NP	
3.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Steel cabinet, approx. height 2000 mm, width/dept 1000/400 mm. Body and doors of 0.9 mm sheet steel, storage shelf mountings at 40 mm intervals. Doors reinforced on the inside, can be locked by push handle with cylinder lock. Complete with 4 storage shelves of sheet metal.			
3.1.4	Furniture for Electronics Workshop	KNP_WS_E_2		
3.1.4.1	Universal table Lab, rectangular 800 x 800		2	pcs
	Universal table, frame and legs of circular tube 40/2 mm, powder coated, adjustable gliders; Table top made of pearl grey plastic, extremely dense and rigid L x W x H appr.: 800/800/760 mm The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.1.4.2	Swivel Chair Type 2, fabric		1	pcs
	Breathable backrest with adjustable lumbar support; Spacious seat with high-density padding; Synchronized mechanism with 3 positions; Height-adjustable armrests with soft pad support; Sturdy and stable frame made of chromed steel; Breathable mesh and fabric cover, black; Seat height 42 - 52 cm; Seat width 52 cm; Seat depth 50 cm; Backrest height 62 cm; Armrest 14 - 24 cm (from the seat); Castors approx. 11x65 mm for hard floors; Load capacity up to max. 140 kg;	-		
3.1.4.3	Mobile Storage Container (420 x 600 mm)		2	pcs

3.1	G02 - LOT 3	FURNITURE	KITALE NP	
3.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Mobile container made of steel with 4 drawers; Material body and drawers made of sturdy steel with electrostatic resistant powder coating; Dimensions ca. 60 x 42 x 62 cm (LxWxH); Locking system central push cylinder lock with 2 keys; drawers with telescopic runners full extension possible; top drawer suitable for small utensils; handles on the sides of the drawers; front rollers can be locked			
3.1.4.4	White Board (movable)		1	pcs
	Mobile on heavy duty castors with brakes and robust carrying frame; size appr. 2000 x 1000 mm (W x H); minor deviations of the dimensions are possible but have to correspond with the layout plans provided with the tender documents Writing surface on both sides, steel plastic coated, magnetic and dry cleanable. Both sides white, turn able by 360° plus stopper, tray/holder for markers. Including: 4 x White board marker, set of 6 markers in different colours, 2x cleaning pad The manufacturer shall have a structured quality management system installed, e.g. in accordance with ISO 9001 or equivalent.			
3.1.4.5	Classroom table 120 x 60		6	pcs

3.1	G02 - LOT 3	FURNITURE	KITALE NP	
3.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Universal table, frame and legs of circular tube 40/2 mm, powder coated, adjustable gliders; Table top made of pearl grey plastic, extremely dense and rigid L x W x H appr.: 1200/600/740 mm; adjustable gliders The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.1.4.6	Swivel Work Chair Type 1 , beech		24	pcs
	Five-star tubular steel base, powder coated, seat height adjustment with safety gas spring, permanent contact backrest. Seat and backrest material: multilayer beech plywood min. 6mm, Size appr. 415 x 390 mm (W x D) height adjustable: 380 - 510 mm; minor deviations of the dimensions are possible but have to correspond with the layout and ground plans of the rooms provided with the tender documents The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.1.4.7	Moveable Pinboard (1200 x 1000 mm)		2	pcs

3.1	G02 - LOT 3	FURNITURE	KITALE NP	
3.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Pinboard with cork surface, fabric cover blue, Size appr. 1200 x 1000 mm (W x H); aluminium frame, moveable on castors, adjustable height, robust design The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.1.4.8	Bar Table (700 x 110 mm)		6	pcs
	Size appr. 700 x 1100 mm (Diameter x H); the table top must be laminated, resistant to scratching, heat, acids, caustic substances. Minor deviations of the dimensions are possible but have to correspond with the layout and ground plans of the rooms provided with the tender documents; the top layers of the chipboard must be extremely dense and rigid. The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.1.4.9	Pinboard (cork)		2	pcs
	Pinboard with cork surface, fabric cover blue, Size appr. 1200 x 1000 mm (W x H); aluminium frame, wall mounting, robust design			
3.1.4.10	Flipchart		1	pcs

3.1	G02 - LOT 3	FURNITURE	KITALE NP	
3.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Flipchart board adjustable height from appr. 1600 - 2200 mm; powder coated metal board, board size approx. 700 x 1100 mm (W x H); pen-holder, star foot with castors, 2 lockable; incl. 3 packages of flip-chart paper, min. 25 sheets			
3.1.4.11	Recycling Bin		1	pcs
	Stainless steel recycling bin; 3 x min 15-liter Compartments; Pedal & Inner Buckets			
3.1.4.12	System PC Tower Holder		6	pcs
	Adjustable in width from 160 to 220 mm, for mounting on right or left side. L = 220 mm, W = 400 mm, H = 300 mm Technically aligned to the lab tables			
3.1.4.13	Key Box		3	pcs
	48 hooks L x W x H appr.: 308 x 65 x 285 mm cylindrical lock 1 x Electric Basic WS, 2 x Electronics WS			
3.1.4.14	System swivel arm for flat screen monitor		6	pcs

3.1	G02 - LOT 3	FURNITURE	KITALE NP	
3.1.1		KNP_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Monitor mount, Monitor arm for VESA TFT, table mount, silver / black with table clamp For flat screen monitor diagonal: up to 32 inch; load capacity: up to 9 kg; VESA 75 x 75 mm - 100 x 100 mm Height adjustability: stepless; tiltable: -90 to 90 degrees; swivelling: 180; swivel joints: 4 material: aluminum, steel incl. table clamp and cable hole fixing			

3.2	G02 - LOT 3	FURNITURE	BUMBE TTI	
3.2.1		BTTI_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Furniture for Class Rooms			
3.2.1.1	Universal table Lab, rectangular 800 x 800		4	pcs
	Universal table, frame and legs of circular tube 40/2 mm, powder coated, adjustable gliders; Table top made of pearl grey plastic, extremely dense and rigid L x W x H appr.: 800/800/760 mm The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.2.1.2	Swivel Chair Type 2, fabric		2	pcs
	Breathable backrest with adjustable lumbar support; Spacious seat with high-density padding; Synchronized mechanism with 3 positions; Height-adjustable armrests with soft pad support; Sturdy and stable frame made of chromed steel; Breathable mesh and fabric cover, black; Seat height 42 - 52 cm; Seat width 52 cm; Seat depth 50 cm; Backrest height 62 cm; Armrest 14 - 24 cm (from the seat); Castors approx. 11x65 mm for hard floors; Load capacity up to max. 140 kg;			
3.2.1.3	Mobile Storage Container (420 x 600 mm)		4	pcs
	Mobile container made of steel with 4 drawers; Material body and drawers made of sturdy steel with electrostatic resistant powder coating; Dimensions ca. 60 x 42 x 62 cm (LxWxH); Locking system central push cylinder lock with 2 keys; drawers with telescopic runners full extension possible; top drawer suitable for small utensils; handles on the sides of the drawers; front rollers can be locked	-		
3.2.1.4	White Board (movable)		2	pcs

3.2	G02 - LOT 3	FURNITURE	BUMBE TTI	
3.2.1		BTTI_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Mobile on heavy duty castors with brakes and robust carrying frame; size appr. 2000 x 1000 mm (W x H); minor deviations of the dimensions are possible but have to correspond with the layout plans provided with the tender documents Writing surface on both sides, steel plastic coated, magnetic and dry cleanable. Both sides white, turn able by 360° plus stopper, tray/holder for markers. Including: 4 x White board marker, set of 6 markers in different colours, 2x cleaning pad The manufacturer shall have a structured quality management system installed, e.g. in accordance with ISO 9001 or equivalent.			
3.2.1.5	Classroom table 120 x 60		40	pcs
	Universal table, frame and legs of circular tube 40/2 mm, powder coated, adjustable gliders; Table top made of pearl grey plastic, extremely dense and rigid L x W x H appr.: 1200/600/740 mm; adjustable gliders The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.2.1.6	Swivel Work Chair Type 1 , beech		80	pcs

3.2	G02 - LOT 3	FURNITURE	BUMBE TTI	
3.2.1		BTTI_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Five-star tubular steel base, powder coated, seat height adjustment with safety gas spring, permanent contact backrest. Seat and backrest material: multilayer beech plywood min. 6mm, Size appr. 415 x 390 mm (W x D) height adjustable: 380 - 510 mm; minor deviations of the dimensions are possible but have to correspond with the layout and ground plans of the rooms provided with the tender documents The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.2.1.7	Moveable Pinboard (1200 x 1000 mm)		16	pcs
	Pinboard with cork surface, fabric cover blue, Size appr. 1200 x 1000 mm (W x H); aluminium frame, moveable on castors, adjustable height, robust design The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.2.1.8	Bar Table (700 x 110 mm)		2	pcs

3.2	G02 - LOT 3	FURNITURE	BUMBE TTI	
3.2.1		BTTI_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Size appr. 700 x 1100 mm (Diameter x H); the table top must be laminated, resistant to scratching, heat, acids, caustic substances. Minor deviations of the dimensions are possible but have to correspond with the layout and ground plans of the rooms provided with the tender documents; the top layers of the chipboard must be extremely dense and rigid. The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.2.1.9	Pinboard (cork)		4	pcs
	Pinboard with cork surface, fabric cover blue, Size appr. 1200 x 1000 mm (W x H); aluminium frame, wall mounting, robust design			
3.2.1.10	Flipchart		2	pcs
	Flipchart board adjustable height from appr. 1600 - 2200 mm; powder coated metal board, board size approx. 700 x 1100 mm (W x H); pen-holder, star foot with castors, 2 lockable; incl. 3 packages of flip-chart paper, min. 25 sheets			
3.2.1.11	Recycling Bin		2	pcs
	Stainless steel recycling bin; 3 x min 15-liter Compartments; Pedal & Inner Buckets			

3.2	G02 - LOT 3	FURNITURE	BUMBE TTI	
3.2.1		BTTI_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
3.2.1.12	Steel cabinet 500 x 1000 x 2000		2	pcs
	Steel cabinet, approx. height 2000 mm, width/dept 1000/400 mm. Body and doors of 0.9 mm sheet steel, storage shelf mountings at 40 mm intervals. Doors reinforced on the inside, can be locked by push handle with cylinder lock. Complete with 4 storage shelves of sheet metal.			
3.2.2	Furniture for IT Room	BTTI_CL_GE_1		
3.2.2.1	Universal table Lab, rectangular 800 x 800		2	pcs
	Universal table, frame and legs of circular tube 40/2 mm, powder coated, adjustable gliders; Table top made of pearl grey plastic, extremely dense and rigid L x W x H appr.: 800/800/760 mm The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.2.2.2	Swivel Chair Type 2, fabric		1	pcs
	Breathable backrest with adjustable lumbar support; Spacious seat with high-density padding; Synchronized mechanism with 3 positions; Height-adjustable armrests with soft pad support; Sturdy and stable frame made of chromed steel; Breathable mesh and fabric cover, black; Seat height 42 - 52 cm; Seat width 52 cm; Seat depth 50 cm; Backrest height 62 cm; Armrest 14 - 24 cm (from the seat); Castors approx. 11x65 mm for hard floors; Load capacity up to max. 140 kg;			
3.2.2.3	Mobile Storage Container (420 x 600 mm)		2	pcs

3.2	G02 - LOT 3	FURNITURE	BUMBE TTI	
3.2.1		BTTI_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Mobile container made of steel with 4 drawers; Material body and drawers made of sturdy steel with electrostatic resistant powder coating; Dimensions ca. 60 x 42 x 62 cm (LxWxH); Locking system central push cylinder lock with 2 keys; drawers with telescopic runners full extension possible; top drawer suitable for small utensils; handles on the sides of the drawers; front rollers can be locked			
3.2.2.4	White Board (movable)		1	pcs
	Mobile on heavy duty castors with brakes and robust carrying frame; size appr. 2000 x 1000 mm (W x H); minor deviations of the dimensions are possible but have to correspond with the layout plans provided with the tender documents Writing surface on both sides, steel plastic coated, magnetic and dry cleanable. Both sides white, turn able by 360° plus stopper, tray/holder for markers. Including: 4 x White board marker, set of 6 markers in different colours, 2x cleaning pad The manufacturer shall have a structured quality management system installed, e.g. in accordance with ISO 9001 or equivalent.			
3.2.2.5	Classroom table 120 x 60		10	pcs

3.2	G02 - LOT 3	FURNITURE	BUMBE TTI	
3.2.1		BTTI_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Universal table, frame and legs of circular tube 40/2 mm, powder coated, adjustable gliders; Table top made of pearl grey plastic, extremely dense and rigid L x W x H appr.: 1200/600/740 mm; adjustable gliders The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.2.2.6	Swivel Work Chair Type 1 , beech		20	pcs
	Five-star tubular steel base, powder coated, seat height adjustment with safety gas spring, permanent contact backrest. Seat and backrest material: multilayer beech plywood min. 6mm, Size appr. 415 x 390 mm (W x D) height adjustable: 380 - 510 mm; minor deviations of the dimensions are possible but have to correspond with the layout and ground plans of the rooms provided with the tender documents The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.2.2.7	Moveable Pinboard (1200 x 1000 mm)		4	pcs

3.2	G02 - LOT 3	FURNITURE	BUMBE TTI	
3.2.1		BTTI_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Pinboard with cork surface, fabric cover blue, Size appr. 1200 x 1000 mm (W x H); aluminium frame, moveable on castors, adjustable height, robust design The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.2.2.8	Bar Table (700 x 110 mm)		1	pcs
	Size appr. 700 x 1100 mm (Diameter x H); the table top must be laminated, resistant to scratching, heat, acids, caustic substances. Minor deviations of the dimensions are possible but have to correspond with the layout and ground plans of the rooms provided with the tender documents; the top layers of the chipboard must be extremely dense and rigid. The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.2.2.9	Pinboard (cork)		2	pcs

3.2	G02 - LOT 3	FURNITURE	BUMBE TTI	
3.2.1		BTTI_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Pinboard with cork surface, fabric cover blue, Size appr. 1200 x 1000 mm (W x H); aluminium frame, wall mounting, robust design			
3.2.2.10	Flipchart		1	pcs
	Flipchart board adjustable height from appr. 1600 - 2200 mm; powder coated metal board, board size approx. 700 x 1100 mm (W x H); pen-holder, star foot with castors, 2 lockable; incl. 3 packages of flip-chart paper, min. 25 sheets			
3.2.2.11	Recycling Bin		1	pcs
	Stainless steel recycling bin; 3 x min 15-liter Compartments; Pedal & Inner Buckets			
3.2.2.12	Steel cabinet 500 x 1000 x 2000		1	pcs
	Steel cabinet, approx. height 2000 mm, width/dept 1000/400 mm. Body and doors of 0.9 mm sheet steel, storage shelf mountings at 40 mm intervals. Doors reinforced on the inside, can be locked by push handle with cylinder lock. Complete with 4 storage shelves of sheet metal.			
3.2.2.13	Conference Table (Trapezoid)		6	pcs
	Universal table, frame of rectangular tube 50 x 20 x 2 mm; 4 legs from circular tubes 40/2 mm, powder coated; adjustable gliders Table top trapezoidal size appr. 1400 x 700 x 750 mm (L x W x H); minor deviations of the dimensions are possible but have to correspond with the layout and ground plans of the rooms provided with the tender documents; made of pearl grey plastic, extremely dense and rigid without bag storage; The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			

3.2	G02 - LOT 3	FURNITURE	BUMBE TTI	
3.2.1		BTTI_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
3.2.2.14	Workshop Chair		20	pcs
	4 legs, Sturdy tubular steel frame powder-coated, with plastic floor glides, wooden round seat diameter appr. 350 mm, seat height appr. 500 mm, stackable The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.2.3	Furniture for Instruction Area WS Automotive	BTTI_WS_ME_3		
3.2.3.1	Universal table Lab, rectangular 800 x 800		2	pcs
	Universal table, frame and legs of circular tube 40/2 mm, powder coated, adjustable gliders; Table top made of pearl grey plastic, extremely dense and rigid L x W x H appr.: 800/800/760 mm The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.2.3.2	Swivel Chair Type 2, fabric		1	pcs
	Breathable backrest with adjustable lumbar support; Spacious seat with high-density padding; Synchronized mechanism with 3 positions; Height-adjustable armrests with soft pad support; Sturdy and stable frame made of chromed steel; Breathable mesh and fabric cover, black; Seat height 42 - 52 cm; Seat width 52 cm; Seat depth 50 cm; Backrest height 62 cm; Armrest 14 - 24 cm (from the seat); Castors approx. 11x65 mm for hard floors; Load capacity up to max. 140 kg;			
3.2.3.3	Mobile Storage Container (420 x 600 mm)		2	pcs

3.2	G02 - LOT 3	FURNITURE	BUMBE TTI	
3.2.1		BTTI_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Mobile container made of steel with 4 drawers; Material body and drawers made of sturdy steel with electrostatic resistant powder coating; Dimensions ca. 60 x 42 x 62 cm (LxWxH); Locking system central push cylinder lock with 2 keys; drawers with telescopic runners full extension possible; top drawer suitable for small utensils; handles on the sides of the drawers; front rollers can be locked			
3.2.3.4	White Board (movable)		1	pcs
	Mobile on heavy duty castors with brakes and robust carrying frame; size appr. 2000 x 1000 mm (W x H); minor deviations of the dimensions are possible but have to correspond with the layout plans provided with the tender documents Writing surface on both sides, steel plastic coated, magnetic and dry cleanable. Both sides white, turn able by 360° plus stopper, tray/holder for markers. Including: 4 x White board marker, set of 6 markers in different colours, 2x cleaning pad The manufacturer shall have a structured quality management system installed, e.g. in accordance with ISO 9001 or equivalent.			
3.2.3.5	Classroom table 120 x 60		6	pcs

3.2	G02 - LOT 3	FURNITURE	BUMBE TTI	
3.2.1		BTTI_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Universal table, frame and legs of circular tube 40/2 mm, powder coated, adjustable gliders; Table top made of pearl grey plastic, extremely dense and rigid L x W x H appr.: 1200/600/740 mm; adjustable gliders The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.2.3.6	Swivel Work Chair Type 1 , beech		12	pcs
	Five-star tubular steel base, powder coated, seat height adjustment with safety gas spring, permanent contact backrest. Seat and backrest material: multilayer beech plywood min. 6mm, Size appr. 415 x 390 mm (W x D) height adjustable: 380 - 510 mm; minor deviations of the dimensions are possible but have to correspond with the layout and ground plans of the rooms provided with the tender documents The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.2.3.7	Moveable Pinboard (1200 x 1000 mm)		4	pcs

3.2	G02 - LOT 3	FURNITURE	BUMBE TTI	
3.2.1		BTTI_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Pinboard with cork surface, fabric cover blue, Size appr. 1200 x 1000 mm (W x H); aluminium frame, moveable on castors, adjustable height, robust design The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.2.3.8	Bar Table (700 x 110 mm)		1	pcs
	Size appr. 700 x 1100 mm (Diameter x H); the table top must be laminated, resistant to scratching, heat, acids, caustic substances. Minor deviations of the dimensions are possible but have to correspond with the layout and ground plans of the rooms provided with the tender documents; the top layers of the chipboard must be extremely dense and rigid. The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.2.3.9	Pinboard (cork)		2	pcs
	Pinboard with cork surface, fabric cover blue, Size appr. 1200 x 1000 mm (W x H); aluminium frame, wall mounting, robust design			
3.2.3.10	Flipchart		1	pcs

3.2	G02 - LOT 3	FURNITURE	BUMBE TTI	
3.2.1		BTTI_CL_GE_1		
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Flipchart board adjustable height from appr. 1600 - 2200 mm; powder coated metal board, board size approx. 700 x 1100 mm (W x H); pen-holder, star foot with castors, 2 lockable; incl. 3 packages of flip-chart paper, min. 25 sheets			
3.2.3.11	Recycling Bin		1	pcs
	Stainless steel recycling bin; 3 x min 15-liter Compartments; Pedal & Inner Buckets			
3.2.3.12	Steel cabinet 500 x 1000 x 2000		1	pcs
	Steel cabinet, approx. height 2000 mm, width/dept 1000/400 mm. Body and doors of 0.9 mm sheet steel, storage shelf mountings at 40 mm intervals. Doors reinforced on the inside, can be locked by push handle with cylinder lock. Complete with 4 storage shelves of sheet metal.			

3.3	G02 - LOT 3	FURNITURE	NYAMIRA NP	
3.3.1				
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Furniture for IT Room			
3.3.1.1	Universal table Lab, rectangular 800 x 800		4	pcs
	Universal table, frame and legs of circular tube 40/2 mm, powder coated, adjustable gliders; Table top made of pearl grey plastic, extremely dense and rigid L x W x H appr.: 800/800/760 mm The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.3.1.2	Swivel Chair Type 2, fabric		2	pcs
	Breathable backrest with adjustable lumbar support; Spacious seat with high-density padding; Synchronized mechanism with 3 positions; Height-adjustable armrests with soft pad support; Sturdy and stable frame made of chromed steel; Breathable mesh and fabric cover, black; Seat height 42 - 52 cm; Seat width 52 cm; Seat depth 50 cm; Backrest height 62 cm; Armrest 14 - 24 cm (from the seat); Castors approx. 11x65 mm for hard floors; Load capacity up to max. 140 kg;			
3.3.1.3	Mobile Storage Container (420 x 600 mm)		4	pcs
	Mobile container made of steel with 4 drawers; Material body and drawers made of sturdy steel with electrostatic resistant powder coating; Dimensions ca. 60 x 42 x 62 cm (LxWxH); Locking system central push cylinder lock with 2 keys; drawers with telescopic runners full extension possible; top drawer suitable for small utensils; handles on the sides of the drawers; front rollers can be locked			

3.3	G02 - LOT 3	FURNITURE	NYAMIRA NP	
3.3.1				
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
3.3.1.4	White Board (movable)		2	pcs
	Mobile on heavy duty castors with brakes and robust carrying frame; size appr. 2000 x 1000 mm (W x H); minor deviations of the dimensions are possible but have to correspond with the layout plans provided with the tender documents Writing surface on both sides, steel plastic coated, magnetic and dry cleanable. Both sides white, turn able by 360° plus stopper, tray/holder for markers. Including: 4 x White board marker, set of 6 markers in different colours, 2x cleaning pad The manufacturer shall have a structured quality management system installed, e.g. in accordance with ISO 9001 or equivalent.			
3.3.1.5	Classroom table 120 x 60		40	pcs

3.3	G02 - LOT 3	FURNITURE	NYAMIRA NP	
3.3.1				
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Universal table, frame and legs of circular tube 40/2 mm, powder coated, adjustable gliders; Table top made of pearl grey plastic, extremely dense and rigid L x W x H appr.: 1200/600/740 mm; adjustable gliders The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.3.1.6	Swivel Work Chair Type 1 , beech		80	pcs
	Five-star tubular steel base, powder coated, seat height adjustment with safety gas spring, permanent contact backrest. Seat and backrest material: multilayer beech plywood min. 6mm, Size appr. 415 x 390 mm (W x D) height adjustable: 380 - 510 mm; minor deviations of the dimensions are possible but have to correspond with the layout and ground plans of the rooms provided with the tender documents The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.3.1.7	Moveable Pinboard (1200 x 1000 mm)		16	pcs

3.3	G02 - LOT 3	FURNITURE	NYAMIRA NP	
3.3.1				
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Pinboard with cork surface, fabric cover blue, Size appr. 1200 x 1000 mm (W x H); aluminium frame, moveable on castors, adjustable height, robust design The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.3.1.8	Bar Table (700 x 110 mm)		2	pcs
	Size appr. 700 x 1100 mm (Diameter x H); the table top must be laminated, resistant to scratching, heat, acids, caustic substances. Minor deviations of the dimensions are possible but have to correspond with the layout and ground plans of the rooms provided with the tender documents; the top layers of the chipboard must be extremely dense and rigid. The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.3.1.9	Pinboard (cork)		4	pcs

3.3	G02 - LOT 3	FURNITURE	NYAMIRA NP	
3.3.1				
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Pinboard with cork surface, fabric cover blue, Size appr. 1200 x 1000 mm (W x H); aluminium frame, wall mounting, robust design			
3.3.1.10	Flipchart		2	pcs
	Flipchart board adjustable height from appr. 1600 - 2200 mm; powder coated metal board, board size approx. 700 x 1100 mm (W x H); pen-holder, star foot with castors, 2 lockable; incl. 3 packages of flip-chart paper, min. 25 sheets			
3.3.1.11	Recycling Bin		2	pcs
	Stainless steel recycling bin; 3 x min 15-liter Compartments; Pedal & Inner Buckets			
3.3.1.12	Steel cabinet 500 x 1000 x 2000		2	pcs
	Steel cabinet, approx. height 2000 mm, width/dept 1000/400 mm. Body and doors of 0.9 mm sheet steel, storage shelf mountings at 40 mm intervals. Doors reinforced on the inside, can be locked by push handle with cylinder lock. Complete with 4 storage shelves of sheet metal.			
3.3.2	Furniture for Mechanic Plant Technician Workshop	ETTI_WS_ME_1		
3.3.2.1	Universal table Lab, rectangular 800 x 800		4	pcs

3.3	G02 - LOT 3	FURNITURE	NYAMIRA NP	
3.3.1				
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Universal table, frame and legs of circular tube 40/2 mm, powder coated, adjustable gliders; Table top made of pearl grey plastic, extremely dense and rigid L x W x H appr.: 800/800/760 mm The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent. 2 x Electronics, 2 x Mechatronics			
3.3.2.2	Swivel Chair Type 2, fabric		2	pcs
	Breathable backrest with adjustable lumbar support; Spacious seat with high-density padding; Synchronized mechanism with 3 positions; Height-adjustable armrests with soft pad support; Sturdy and stable frame made of chromed steel; Breathable mesh and fabric cover, black; Seat height 42 - 52 cm; Seat width 52 cm; Seat depth 50 cm; Backrest height 62 cm; Armrest 14 - 24 cm (from the seat); Castors approx. 11x65 mm for hard floors; Load capacity up to max. 140 kg; 1 x Electronics, 1 x Mechatronics			
3.3.2.3	Mobile Storage Container (420 x 600 mm)		4	pcs
	Mobile container made of steel with 4 drawers; Material body and drawers made of sturdy steel with electrostatic resistant powder coating; Dimensions ca. 60 x 42 x 62 cm (LxWxH); Locking system central push cylinder lock with 2 keys; drawers with telescopic runners full extension possible; top drawer suitable for small utensils; handles on the sides of the drawers; front rollers can be locked 2 x Electronics, 2 x Mechatronics			
3.3.2.4	White Board (movable)		2	pcs

3.3	G02 - LOT 3	FURNITURE	NYAMIRA NP	
3.3.1				
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Mobile on heavy duty castors with brakes and robust carrying frame; size appr. 2000 x 1000 mm (W x H); minor deviations of the dimensions are possible but have to correspond with the layout plans provided with the tender documents Writing surface on both sides, steel plastic coated, magnetic and dry cleanable. Both sides white, turn able by 360° plus stopper, tray/holder for markers. Including: 4 x White board marker, set of 6 markers in different colours, 2x cleaning pad The manufacturer shall have a structured quality management system installed, e.g. in accordance with ISO 9001 or equivalent. 1 x Electronics, 1 x Mechatronics			
3.3.2.5	Swivel Work Chair Type 1 , beech		36	pcs

3.3	G02 - LOT 3	FURNITURE	NYAMIRA NP	
3.3.1				
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Five-star tubular steel base, powder coated, seat height adjustment with safety gas spring, permanent contact backrest. Seat and backrest material: multilayer beech plywood min. 6mm, Size appr. 415 x 390 mm (W x D) height adjustable: 380 - 510 mm; minor deviations of the dimensions are possible but have to correspond with the layout and ground plans of the rooms provided with the tender documents The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent. 12 x Electronics, 24 x Mechatronics			
3.3.2.6	Moveable Pinboard (1200 x 1000 mm)		4	pcs
	Pinboard with cork surface, fabric cover blue, Size appr. 1200 x 1000 mm (W x H); aluminium frame, moveable on castors, adjustable height, robust design The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent. 2 x Electronics, 2 x Mechatronics			
3.3.2.7	Pinboard (cork)		4	pcs
	Pinboard with cork surface, fabric cover blue, Size appr. 1200 x 1000 mm (W x H); aluminium frame, wall mounting, robust design 2 x Electronics, 2 x Mechatronics			

3.3	G02 - LOT 3	FURNITURE	NYAMIRA NP	
3.3.1				
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
3.3.2.8	Flipchart		2	pcs
	Flipchart board adjustable height from appr. 1600 - 2200 mm; powder coated metal board, board size approx. 700 x 1100 mm (W x H); pen-holder, star foot with castors, 2 lockable; incl. 3 packages of flip-chart paper, min. 25 sheets 1 x Electronics, 1 x Mechatronics			
3.3.2.9	Key Box		3	pcs
	48 hooks L x W x H appr.: 308 x 65 x 285 mm cylindrical lock 1 x Electronics, 2 x Mechatronics			
3.3.2.10	Recycling Bin		2	pcs
	Stainless steel recycling bin; 3 x min 15-liter Compartments; Pedal & Inner Buckets 1 x Electronics, 1 x Mechatronics			
3.3.2.11	Classroom table 120 x 60		6	pcs
	Universal table, frame and legs of circular tube 40/2 mm, powder coated, adjustable gliders; Table top made of pearl grey plastic, extremely dense and rigid L x W x H appr.: 1200/600/740 mm; adjustable gliders The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.3.2.12	Bar Table (700 x 110 mm)		1	pcs

3.3	G02 - LOT 3	FURNITURE	NYAMIRA NP	
3.3.1				
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Size appr. 700 x 1100 mm (Diameter x H); the table top must be laminated, resistant to scratching, heat, acids, caustic substances. Minor deviations of the dimensions are possible but have to correspond with the layout and ground plans of the rooms provided with the tender documents; the top layers of the chipboard must be extremely dense and rigid. The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.3.2.13	System PC Tower Holder		6	pcs
	Adjustable in width from 160 to 220 mm, for mounting on right or left side. L = 220 mm, W = 400 mm, H = 300 mm Technically aligned to the lab tables			
3.3.2.14	System swivel arm for flat screen monitor		6	pcs
	Monitor mount, Monitor arm for VESA TFT, table mount, silver / black with table clamp For flat screen monitor diagonal: up to 32 inch; load capacity: up to 9 kg; VESA 75 x 75 mm - 100 x 100 mm Height adjustability: stepless; tiltable: -90 to 90 degrees; swivelling: 180; swivel joints: 4 material: aluminum, steel incl. table clamp and cable hole fixing			
3.3.3	Furniture for WS Electric Basic	ETTI_WS_EE_1		
3.3.3.1	Universal table Lab, rectangular 800 x 800		2	pcs
	Universal table, frame and legs of circular tube 40/2 mm, powder coated, adjustable gliders; Table top made of pearl grey plastic,			

3.3	G02 - LOT 3	FURNITURE	NYAMIRA NP	
3.3.1				
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	extremely dense and rigid L x W x H appr.: 800/800/760 mm The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.3.3.2	Swivel Chair Type 2, fabric		1	pcs
	Breathable backrest with adjustable lumbar support; Spacious seat with high-density padding; Synchronized mechanism with 3 positions; Height-adjustable armrests with soft pad support; Sturdy and stable frame made of chromed steel; Breathable mesh and fabric cover, black; Seat height 42 - 52 cm; Seat width 52 cm; Seat depth 50 cm; Backrest height 62 cm; Armrest 14 - 24 cm (from the seat); Castors approx. 11x65 mm for hard floors; Load capacity up to max. 140 kg;			
3.3.3.3	Mobile Storage Container (420 x 600 mm)		2	pcs
	Mobile container made of steel with 4 drawers; Material body and drawers made of sturdy steel with electrostatic resistant powder coating; Dimensions ca. 60 x 42 x 62 cm (LxWxH); Locking system central push cylinder lock with 2 keys; drawers with telescopic runners full extension possible; top drawer suitable for small utensils; handles on the sides of the drawers; front rollers can be locked			

3.3	G02 - LOT 3	FURNITURE	NYAMIRA NP	
3.3.1				
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
3.3.3.4	White Board (movable) Mobile on heavy duty castors with brakes and robust carrying frame; size appr. 2000 x 1000 mm (W x H); minor deviations of the dimensions are possible but have to correspond with the layout plans provided with the tender documents Writing surface on both sides, steel plastic coated, magnetic and dry cleanable. Both sides white, turn able by 360° plus stopper, tray/holder for markers. Including: 4 x White board marker, set of 6 markers in different colours, 2x cleaning pad The manufacturer shall have a structured quality management system installed, e.g. in accordance with ISO 9001 or equivalent.		1	pcs
3.3.3.5	Steel cabinet 500 x 1000 x 2000 Steel cabinet, approx. height 2000 mm, width/dept 1000/400 mm. Body and doors of 0.9 mm sheet steel, storage shelf mountings at 40 mm intervals. Doors reinforced on the inside, can be locked by push handle with cylinder lock. Complete with 4 storage shelves of sheet metal.		6	pcs
3.3.3.6	Swivel Work Chair Type 1 , beech Five-star tubular steel base, powder coated, seat height adjustment with safety gas spring, permanent contact backrest.		12	pcs

3.3	G02 - LOT 3	FURNITURE	NYAMIRA NP	
3.3.1				
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Seat and backrest material: multilayer beech plywood min. 6mm, Size appr. 415 x 390 mm (W x D) height adjustable: 380 - 510 mm; minor deviations of the dimensions are possible but have to correspond with the layout and ground plans of the rooms provided with the tender documents The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.3.3.7	Moveable Pinboard (1200 x 1000 mm)		2	pcs
	Pinboard with cork surface, fabric cover blue, Size appr. 1200 x 1000 mm (W x H); aluminium frame, moveable on castors, adjustable height, robust design The manufacturer must have a structured quality management system, e.g. according to ISO 9001 or equivalent.			
3.3.3.8	Pinboard (cork)		2	pcs
	Pinboard with cork surface, fabric cover blue, Size appr. 1200 x 1000 mm (W x H); aluminium frame, wall mounting, robust design			
3.3.3.9	Flipchart		1	pcs

3.3	G02 - LOT 3	FURNITURE	NYAMIRA NP	
3.3.1				
No.	Requested by Client: Specification Detail	To be filled by bidder: Brand - Model - Type	Qty	Unit
	Flipchart board adjustable height from appr. 1600 - 2200 mm; powder coated metal board, board size approx. 700 x 1100 mm (W x H); pen-holder, star foot with castors, 2 lockable; incl. 3 packages of flip-chart paper, min. 25 sheets			
3.3.3.10	Key Box		1	pcs
	48 hooks 380 x 285 x 65 mm (W x H x D) cylindrical lock			
3.3.3.11	Recycling Bin		1	pcs
	Stainless steel recycling bin; 3 x min 15-liter Compartments; Pedal & Inner Buckets			

4. Drawings

These Bidding Documents include no drawings.

Distribution of Goods

The Goods shall be distributed to the following recipients and destinations:

List of Recipients			
Recipient			
No.	Official Name	Address & Communication	Contact Person
	BUMBE TTI		
	KITALE NP		
	NYAMIRA NP		

[If all Goods listed in these Bidding Documents (or all Goods listed in specific Lots) are to be delivered to the same recipient, simply state so; if Goods are to be delivered to multiple recipients, use the following table]:

Distribution List:

Distribution List									
Lot	Item	Item Name	Recipient 1	Recipient 2	Recipient 3	Recipient 4	Recipient 5	Recipient 6	Total
	Number								

PART 3 - Contract

Section VIII. General Conditions of Contract

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Section VIII. General Conditions of Contract¹

1. Definitions

1.1 The following words and expressions shall have the meanings hereby assigned to them:

- (a) “KfW” means the KfW Entwicklungsbank;
- (b) “Contract” means the Contract Agreement entered into between the Purchaser and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein;
- (c) “Contract Documents” means the documents listed in the Contract Agreement, including any amendments thereto;
- (d) “Contract Price” means the price payable to the Supplier as specified in the Contract Agreement, subject to such additions and adjustments thereto or deductions therefrom, as may be made pursuant to the Contract;
- (e) “Day” means calendar day;
- (f) “Completion” means the fulfillment of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Contract;
- (g) “GC” means the General Conditions of Contract;
- (h) “Goods” means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Purchaser under the Contract;
- (i) “Purchaser’s Country” is the country **specified in the Particular Conditions of Contract (PC)**;
- (j) “Purchaser” means the entity purchasing the Goods and Related Services, as **specified in the PC**;
- (k) “Related Services” means the services incidental to the supply of the goods, such as insurance, installation, training and initial maintenance and other such obligations of the Supplier under the Contract;
- (l) “PC” means the Particular Conditions of Contract;
- (m) “Subcontractor” means any natural person, private or state entity, or a combination of the above, to whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Supplier;
- (n) “Supplier” means the natural person, private or state entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Contract

¹ [Text in this Section shall not be modified.]

Agreement;

- (o) "The Named Place of Destination"/"Project Site," where applicable, means the place(s) **named in the PC**.

- | | | | |
|----|-----------------------------|-----|---|
| 2. | Contract Documents | 2.1 | Subject to the order of precedence set forth in the Contract Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory. The Contract Agreement shall be read as a whole. |
| 3. | Fraud and Corruption | 3.1 | The KfW requires compliance with its policy in regard to corrupt and fraudulent practices as set forth in Appendix 1 to the PC. |
| 4. | Interpretation | 4.1 | If the context so requires it, singular means plural and vice versa. |
| | | 4.2 | Incoterms <ul style="list-style-type: none"> (a) Unless inconsistent with any provision of the Contract, the meaning of any trade term and the rights and obligations of parties thereunder shall be as prescribed by Incoterms; (b) The terms DDP and other similar terms, when used, shall be governed by the rules prescribed in the current edition of Incoterms specified in the PC and published by the International Chamber of Commerce in Paris, France. |
| | | 4.3 | Entire Agreement <p>The Contract constitutes the entire agreement between the Purchaser and the Supplier and supersedes all communications, negotiations and agreements (whether written or oral) of the parties with respect thereto made prior to the date of Contract.</p> |
| | | 4.4 | Amendment <p>No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto.</p> |
| | | 4.5 | Nonwaiver <ul style="list-style-type: none"> (a) Subject to GC Sub-Clause 4.5(b) below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract; (b) Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and |

signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.

4.6 Severability

If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

5. Language

5.1 The Contract as well as all correspondence and documents relating to the Contract exchanged by the Supplier and the Purchaser, shall be written in the language **specified in the PC**. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified, in which case, for purposes of interpretation of the Contract, this translation shall govern.

5.2 The Supplier shall bear all costs of translation to the governing language and all risks of the accuracy of such translation, for documents provided by the Supplier.

6. Joint Venture, Consortium or Association

6.1 If the Supplier is a joint venture, consortium, or association, all of the parties shall be jointly and severally liable to the Purchaser for the fulfillment of the provisions of the Contract and shall designate one party to act as a leader with authority to bind the joint venture, consortium, or association. The composition or the constitution of the joint venture, consortium, or association shall not be altered without the prior consent of the Purchaser. The designated party to act as lead firm with full authority shall be **specified in the PC**.

7. Eligibility

7.1 All Goods and Related Services to be supplied under the Contract and financed by the KfW shall have their origin in any eligible source as **specified in the PC**. For the purpose of this Clause, origin means the country where the goods have been grown, mined, cultivated, produced, manufactured, or processed; or through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.

8. Notices

8.1 Any notice given by one party to the other pursuant to the Contract shall be in writing to the address **specified in the PC**. The term "in writing" means communicated in written form with proof of receipt.

8.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

9. Governing Law

9.1 The Contract shall be governed by and interpreted in accordance with the laws of the Purchaser's Country, unless otherwise **specified in the PC**.

10. Settlement of

10.1 The Purchaser and the Supplier shall make every effort to

Disputes	resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
	10.2 If, after twenty-eight (28) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract. Arbitration proceedings shall be conducted in accordance with the rules of procedure specified in the PC. 10.3 Notwithstanding any reference to arbitration herein, (a) The parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and (b) The Purchaser shall pay the Supplier any monies due the Supplier.
11. Inspections and Audit by the KfW	11.1 The Supplier shall keep, and shall make all reasonable efforts to cause its Subcontractors to keep accurate and systematic accounts and records, in respect of the Goods in such form and details as will clearly identify relevant time changes and costs. 11.2 The Supplier shall permit, and shall cause its Subcontractors and consultants to permit, the KfW and/or persons appointed by the KfW to inspect the Supplier's offices and all accounts and records relating to the performance of the Contract and the submission of the bid, and to have such accounts and records audited by auditors appointed by the KfW if requested by the KfW.
12. Scope of Supply	12.1 The Goods and Related Services to be supplied shall be as specified in the Schedule of Requirements.
13. Delivery and Documents	13.1 Subject to GC Sub-Clause 33.1, the Delivery of the Goods and Completion of the Related Services shall be in accordance with the Delivery and Completion Schedule specified in the Schedule of Requirements. The details of shipping and other documents to be furnished by the Supplier are specified in the PC.
14. Supplier's Responsibilities	14.1 The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with GC Clause 12, and the Delivery and Completion Schedule, as per GC Clause 13.
15. Contract Price	15.1 Prices charged by the Supplier for the Goods supplied and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the

exception of any price adjustments **authorized in the PC**.

- | | |
|--|--|
| <p>16. Terms of Payment and Reimbursement</p> | <p>16.1 The Contract Price, including any Advance Payments, if applicable, shall be paid as specified in the PC.</p> <p>16.2 The Supplier's request for payment shall be made to the Purchaser in writing, accompanied by invoices describing, as appropriate, the Goods delivered and Related Services performed, and by the documents submitted pursuant to GC Clause 13 and upon fulfillment of all other obligations stipulated in the Contract.</p> <p>16.3 Payments shall be made promptly by the Purchaser, but in no case later than sixty (60) days after submission of an invoice or request for payment by the Supplier, and after the Purchaser has accepted it.</p> <p>16.4 The currencies in which payments shall be made to the Supplier under this Contract shall be those in which the bid price is expressed.</p> <p>16.5 In the event that the Purchaser fails to pay the Supplier any payment by its due date or within the period set forth in the PC, the Purchaser shall pay to the Supplier interest on the amount of such delayed payment at the rate shown in the PC, for the period of delay until payment has been made in full, whether before or after judgment or arbitration award.</p> <p>16.6 In the event of any reimbursement, guarantee or similar claimable payments and any insurance payments under this Contract, payment shall be effected as specified in the PC.</p> |
| <p>17. Taxes and Duties</p> | <p>17.1 For goods manufactured outside the Purchaser's Country, the Supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the Purchaser's Country.</p> <p>17.2 For goods manufactured within the Purchaser's country, the Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.</p> <p>17.3 If any tax exemptions, reductions, allowances or privileges may be available to the Supplier in the Purchaser's Country as specified in the PC, the Purchaser shall use its best efforts to enable the Supplier to benefit from any such tax savings to the maximum allowable extent.</p> |
| <p>18. Performance Security</p> | <p>18.1 The Supplier shall, within twenty-eight (28) days of the notification of contract award, provide a performance security for the performance of the Contract in the amount specified in the PC.</p> <p>18.2 The proceeds of the Performance Security shall be payable to the Purchaser pursuant to GC 16.6 (reimbursement) as compensation for any loss resulting from the Supplier's</p> |

failure to complete its obligations under the Contract.

18.3 The Performance Security shall be denominated in the currency(ies) of the Contract, and shall be in one of the format **stipulated by the Purchaser in the PC**, or in another format acceptable to the Purchaser.

18.4 The Performance Security shall be discharged by the Purchaser and returned to the Supplier not later than twenty-eight (28) days following the date of Completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless **specified otherwise in the PC**.

19. Copyright

19.1 The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party.

20. Confidential Information

20.1 The Purchaser and the Supplier shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract. Notwithstanding the above, the Supplier may furnish to its Subcontractor such documents, data, and other information it receives from the Purchaser to the extent required for the Subcontractor to perform its work under the Contract, in which event the Supplier shall obtain from such Subcontractor an undertaking of confidentiality similar to that imposed on the Supplier under GC Clause 20.

20.2 The Purchaser shall not use such documents, data, and other information received from the Supplier for any purposes unrelated to the contract. Similarly, the Supplier shall not use such documents, data, and other information received from the Purchaser for any purpose other than the performance of the Contract.

20.3 The obligation of a party under GC Sub-Clauses 20.1 and 20.2 above, however, shall not apply to information that:

- (a) The Purchaser or Supplier need to share with the KfW or other institutions participating in the financing of the Contract;
- (b) Now or hereafter enters the public domain through no fault of that party;
- (c) Can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or

- (d) Otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.

20.4 The above provisions of GC Clause 20 shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the Supply or any part thereof.

20.5 The provisions of GC Clause 20 shall survive completion or termination, for whatever reason, of the Contract.

21. Subcontracting

21.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under the Contract if not already specified in the bid. Such notification, in the original bid or later shall not relieve the Supplier from any of its obligations, duties, responsibilities, or liability under the Contract.

21.2 Subcontracts shall comply with the provisions of GC Clauses 3 and 7.

22. Specifications, Standards and Spare Parts

22.1 Technical Specifications and Drawings

- (a) The Goods and Related Services supplied under this Contract shall conform to the technical specifications and standards mentioned in Section VII, Schedule of Requirements and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the Goods' country of origin.
- (b) The Supplier shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof provided or designed by or on behalf of the Purchaser, by giving a notice of such disclaimer to the Purchaser.
- (c) Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the Schedule of Requirements. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Purchaser and shall be treated in accordance with GC Clause 33.

22.2 Spare Parts

- (a) The Supplier shall carry sufficient inventories to assure ex-stock supply of consumables and consumable spares. Other spare parts and components shall be supplied as promptly as possible but in any case within the number of days **specified in the PC** of placement of order.
- (b) The Supplier shall be for a period of years **specified in the PC** from the date of delivery and commissioning under obligation to supply spare parts. However, the Supplier shall, in the event of termination of production

of the spare parts:

- (i) Send an advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and
- (ii) Furnish, following such termination, at no cost to the Purchaser, the blueprints, drawings and specifications of the spare parts, if and when requested.

- 23. Packing and Documents**
- 23.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their named place of destination, as indicated in the Contract. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the goods' named place of destination and the absence of heavy handling facilities at all points in transit.
- 23.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, **specified in the PC**, and in any other instructions ordered by the Purchaser.
- 24. Insurance**
- 24.1 Unless otherwise **specified in the PC**, the Goods supplied under the Contract shall be fully insured - in the currency(ies) of the Contract from an eligible country - against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery, in accordance with the applicable Incoterms or in the manner **specified in the PC**.
- 25. Transportation**
- 25.1 Unless otherwise **specified in the PC**, responsibility for arranging transportation of the Goods shall be in accordance with the specified Incoterms.
- 25.2 The Supplier may be required to provide any or all of the following services, including additional services, if any, **specified in PC**:
- (a) Performance or supervision of on-site assembly and/or start-up of the supplied Goods;
 - (b) Furnishing of tools required for assembly and/or maintenance of the supplied Goods;
 - (c) Furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
 - (d) Performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and

- (e) Training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.
- 25.3 Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.
- 26. Inspections and Tests**
 - 26.1 The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and/or inspections of the Goods and Related Services as are **specified in the PC**.
 - 26.2 The inspections and tests may be conducted on the premises of the Supplier or its Subcontractor, and/or at the Goods' named place of destination, or in another place in the Purchaser's Country as **specified in the PC**. Subject to GC Sub-Clause 26.3, if conducted on the premises of the Supplier or its Subcontractor, all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser.
 - 26.3 The Purchaser or its designated representative shall be entitled to attend the tests and/or inspections referred to in GC Sub-Clause 26.2, provided that the Purchaser bear all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all traveling and board and lodging expenses.
 - 26.4 Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Purchaser. The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Purchaser or its designated representative to attend the test and/or inspection.
 - 26.5 The Purchaser may require the Supplier to carry out any test and/or inspection not required by the Contract but deemed necessary to verify that the characteristics and performance of the Goods comply with the technical specifications, codes and standards under the Contract, provided that the Supplier's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impedes the progress of manufacturing and/or the Supplier's performance of its other obligations under the Contract, due allowance will be made in respect of the Delivery Dates and Completion Dates and the other obligations so affected.
 - 26.6 The Supplier shall provide the Purchaser with a report of the results of any such test and/or inspection.
 - 26.7 The Purchaser may reject any Goods or any part thereof that

fail to pass any test and/or inspection or do not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Purchaser, and shall repeat the test and/or inspection, at no cost to the Purchaser, upon giving a notice pursuant to GC Sub-Clause 26.4.

26.8 The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the Purchaser or its representative, nor the issue of any report pursuant to GC Sub-Clause 26.6, shall release the Supplier from any warranties or other obligations under the Contract.

27. Liquidated Damages

27.1 Except as provided under GC Clause 32, if the Supplier fails to deliver any or all of the Goods by the Date(s) of delivery or perform the Related Services within the period specified in the Contract, the Purchaser may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage **specified in the PC** of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage **specified in those PC**. Once the maximum is reached, the Purchaser may terminate the Contract pursuant to GC Clause 35.

28. Warranty

28.1 The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

28.2 Subject to GC Sub-Clause 22.1(b), the Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in the country of named place of destination.

28.3 Unless otherwise **specified in the PC**, the warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the named place of destination **indicated in the PC**, or for eighteen (18) months after the date of shipment from the port or place of loading in the country of origin, whichever period concludes earlier.

28.4 The Purchaser shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity for the Supplier to inspect such defects.

28.5 Upon receipt of such notice, the Supplier shall, within the period **specified in the PC**, expeditiously repair or replace

the defective Goods or parts thereof, at no cost to the Purchaser.

- 28.6 If having been notified, the Supplier fails to remedy the defect within the period specified in the **PC**, the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

29. Patent Indemnity

- 29.1 The Supplier shall, subject to the Purchaser's compliance with GC Sub-Clause 29.2, indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:

- (a) The installation of the Goods by the Supplier or the use of the Goods in the country where the Site is located; and
- (b) The sale in any country of the products produced by the Goods.

Such indemnity shall not cover any use of the Goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, neither any infringement resulting from the use of the Goods or any part thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the Supplier, pursuant to the Contract.

- 29.2 If any proceedings are brought or any claim is made against the Purchaser arising out of the matters referred to in GC Sub-Clause 29.1, the Purchaser shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.
- 29.3 If the Supplier fails to notify the Purchaser within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Purchaser shall be free to conduct the same on its own behalf.
- 29.4 The Purchaser shall, at the Supplier's request, afford all available assistance to the Supplier in conducting such proceedings or claim, and shall be reimbursed by the Supplier for all reasonable expenses incurred in so doing.
- 29.5 The Purchaser shall indemnify and hold harmless the Supplier and its employees, officers, and Subcontractors

from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Supplier may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of the Purchaser.

- 30. Limitation of Liability** 30.1 Except in cases of criminal negligence or willful misconduct,
- (a) The Supplier shall not be liable to the Purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser; and
 - (b) The aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the supplier to indemnify the purchaser with respect to patent infringement
- 31. Change in Laws and Regulations** 31.1 Unless otherwise specified in the Contract, if after the date of twenty-eight (28) days prior to date of Bid submission, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in the place of the Purchaser's country where the Site is located (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Delivery Date and/or the Contract Price, then such Delivery Date and/or Contract Price shall be correspondingly increased or decreased, to the extent that the Supplier has thereby been affected in the performance of any of its obligations under the Contract. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable, in accordance with GC Clause 15.
- 32. Force Majeure** 32.1 The Supplier shall not be liable for forfeiture of its Performance Security, 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.
- 32.2 For purposes of this Clause, "Force Majeure" means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such

events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

32.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

33. Change Orders and Contract Amendments

33.1 The Purchaser may at any time order the Supplier through notice in accordance GC Clause 8, to make changes within the general scope of the Contract in any one or more of the following:

- (a) Drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
- (b) The method of shipment or packing;
- (c) The place of delivery; and
- (d) The Related Services to be provided by the Supplier.

33.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery/Completion Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this Clause must be asserted within twenty-eight (28) days from the date of the Supplier's receipt of the Purchaser's change order.

33.3 Prices to be charged by the Supplier for any Related Services that might be needed but which were not included in the Contract shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

33.4 Subject to the above, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

34. Extensions of Time

34.1 If at any time during performance of the Contract, the Supplier or its subcontractors should encounter conditions impeding timely delivery of the Goods or completion of Related Services pursuant to GC Clause 13, the Supplier shall promptly notify the Purchaser in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, in which case the extension shall be

ratified by the parties by amendment of the Contract.

- 34.2 Except in case of Force Majeure, as provided under GC Clause 32, a delay by the Supplier in the performance of its Delivery and Completion obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GC Clause 27, unless an extension of time is agreed upon, pursuant to GC Sub-Clause 34.1.

35. Termination

35.1 Termination for Default

- (a) The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate the Contract in whole or in part:
 - (i) If the Supplier fails to deliver any or all of the Goods within the period specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GC Clause 34;
 - (ii) If the Supplier fails to perform any other obligation under the Contract; or
 - (iii) If the Supplier, in the judgment of the Purchaser has engaged in fraud and corruption, as defined in GC Clause 3, in competing for or in executing the Contract.
- (b) In the event the Purchaser terminates the Contract in whole or in part, pursuant to GC Clause 35.1(a), the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Related Services similar to those undelivered or not performed, and the Supplier shall be liable to the Purchaser for any additional costs for such similar Goods or Related Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

35.2 Termination for Insolvency

- (a) The Purchaser may at any time terminate the Contract by giving notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the Purchaser.

35.3 Termination for Convenience

- (a) The Purchaser, by notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date

upon which such termination becomes effective;

- (b) The Goods that are complete and ready for shipment within twenty-eight (28) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:
 - (i) To have any portion completed and delivered at the Contract terms and prices; and/or
 - (ii) To cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by the Supplier.

36. Assignment

36.1 Neither the Purchaser nor the Supplier shall assign, in whole or in part, their obligations under this Contract, except with prior written consent of the other party.

37. Export Restriction

37.1 Notwithstanding any obligation under the Contract to complete all export formalities, any export restrictions attributable to the Purchaser, to the country of the Purchaser, or to the use of the products/goods, systems or services to be supplied, which arise from trade regulations from a country supplying those products/goods, systems or services, and which substantially impede the Supplier from meeting its obligations under the Contract, shall release the Supplier from the obligation to provide deliveries or services, always provided, however, that the Supplier can demonstrate to the satisfaction of the Purchaser and of the KfW that it has completed all formalities in a timely manner, including applying for permits, authorizations and licenses necessary for the export of the products/goods, systems or services under the terms of the Contract. Termination of the Contract on this basis shall be for the Purchaser's convenience pursuant to Sub-Clause 35.3.

Section IX. Particular Conditions of Contract

The following Particular Conditions of Contract (PC) shall supplement and / or amend the General Conditions of Contract (GC). Whenever there is a conflict, the provisions herein shall prevail over those in the GC.

GC 1.1(i)	The Purchaser's country is: <i>Republic of Kenya</i>
GC 1.1(j)	The Purchaser is: <i>Ministry of Education (MoE)</i> <i>State Department of Technical, Vocational Education and Training,</i> <i>Jogoo House B, Harambee Avenue</i>
GC 1.1 (o)	The Project Site(s) is/are: according to Bidding Document Section VII. Schedule of Requirements, 6. Distribution of Goods The Named Places of Destinations are: Location 1: Kitale National Polytechnic (Kitale NP) Address: Kitale Municipality along Elgon Road, 1 km from Kitale town Location 2: Bumbete Technical Training Institute (Bumbete TTI) Address: Funyula Location 3: Nyamira National Polytechnic (Nyamira NP) Address: Itibo Ward, Nyamira North Sub-County, Nyamira
GC 4.2	The version edition of Incoterms shall be Incoterms 2020. However, the definition of the place and date associated with "delivery" is modified as follows: (a) Under "DDP" Incoterms defines "delivery" as the place and date where risk transfers from the seller to the buyer. (b) In these Bidding Documents, when using "DDP" and not referring to the transfer of risk, the term "delivery" shall be interpreted as the date and place where the Goods and Related Services arrive at the named place of destination, and this date shall be reflected in the Delivery and Completion Schedule.
GC 5.1	The governing and communication language shall be English .
GC 6.1	The designated party to act as lead firm with full authority is: <i>[Insert complete legal name of the lead firm]</i>
GC 7.1	Goods and services from countries under embargo from Germany, the European Union or the United Nations are not eligible. Goods and services from countries which are legally barred in the country of the contracting agency.

GC 8.1	For notices, the Purchaser's address shall be: Address: Principal Secretary State Department for TVET Jogoo Hse B 8th Floor Harambee Avenue City: Nairobi, Kenya ZIP Code: Box 9583 00200 Country: Kenya Attention HSCM – Head Supply Chain Management Through room 703 Uchumi Hse 7th Floor For notices, the Supplier's address shall be: Attention: <i>[Insert full name of person, if applicable]</i> Street Address: <i>[Insert street address and number]</i> City: <i>[Insert name of city or town]</i> ZIP Code: <i>[Insert postal ZIP code, if applicable]</i> Country: <i>[Insert name of country]</i> Telephone: <i>[Include telephone number, including country and city codes]</i> Electronic mail address: <i>[Insert e-mail address, if applicable]</i>
GC 9.1	The governing law shall be the law of: The Republic of Kenya.
GC 10.2	The rules of procedure for arbitration proceedings pursuant to GC Clause 10.2 shall be as follows: (a) Contract with foreign Supplier: <i>[For contracts entered into with foreign suppliers, International commercial arbitration may have practical advantages over other dispute settlement methods. The KfW should not be named as arbitrator, nor should it be asked to name an arbitrator. Among the rules to govern the arbitration proceedings, the Purchaser may wish to consider the United Nations Commission on International Trade Law (UNCITRAL) Arbitration Rules of 1976, or the Rules of Conciliation and Arbitration of the International Chamber of Commerce (ICC).]</i> If the Purchaser chooses the UNCITRAL Arbitration Rules, the following sample clause should be inserted: GC 10.2—Any dispute, controversy or claim arising out of or relating to this Contract, or breach, termination or invalidity thereof, shall be settled by arbitration in accordance with the UNCITRAL Arbitration Rules as at present in force. If the Purchaser chooses the Rules of ICC, the following sample clause should be inserted: GC 10.2—All disputes arising in connection with the present Contract shall be finally settled under the Rules of Conciliation and

	Arbitration of the International Chamber of Commerce by one or more arbitrators appointed in accordance with said Rules. (b) Contracts with Supplier national of the Purchaser's country: In the case of a dispute between the Purchaser and a Supplier who is a national of the Purchaser's country, the dispute shall be referred to adjudication or arbitration in accordance with the laws of the Purchaser's country.
GC 13.1	For Goods supplied from abroad: Upon shipment, the Supplier shall notify the Purchaser and the Insurance Company by cable or by electronic way previously agreed between the parties the full details of the shipment, including contract number, description of Goods, quantity, the mode of transport, the bill of lading number and date, place of loading, date of shipment, place of discharge, etc. The Supplier shall mail the following documents to the Purchaser, with a copy to the Insurance Company: (i) One (1) Original and <i>three (3)</i> copies of the Supplier's invoice¹ showing Goods' and Related Services' description, quantity, unit price, total amount, number of packages, names of the exporter and the consignee; Goods and Related Services must be carefully described (accurate, specific, and complete description of merchandise); (ii) One (1) Original negotiable and three (3) non-negotiable copies (stamped and dated according to the original) of the clean, on-board bill of lading marked "freight prepaid" or equivalent (air waybill, road waybill, FCR, CMR), showing gross and net weights, volume of measurement, marks and identification, name and address of importer of consignee; (iii) One (1) Original and three (3) copies of the packing list identifying contents of each package; packing and weighing list shall describe accurately and in detail the contents of each package / case included in the shipment and give the net and gross weights; (iv) Original insurance certificate; (v) Original Manufacturer's or Supplier's warranty certificate; (vi) Original inspection certificate, issued by the nominated inspection agency [<i>If applicable, otherwise delete</i>], and the Supplier's factory inspection report; (vii) Certified certificate of origin: One (1) original and three (3) copies; origin to be certified by the Chamber of Commerce in the supplier's country; and (viii) Any other document that may be required in specific cases. The above documents shall be received by the Purchaser at least one week before arrival of the Goods at the place of arrival and, if not received, the Supplier will be responsible for any consequent expenses. For Goods from within the Purchaser's country:

¹ If required for due process (e.g. customs clearance in the Purchaser's country), the invoice can be split into two invoices, one showing CIP values and the other local services (inland transportation, installation, training, etc.).

	Upon delivery of the Goods EXW or to the transporter, the Supplier shall notify the Purchaser and submit the following documents to the Purchaser: (i) One (1) Original and three (3) copies of the Supplier's invoice showing Goods' and Related Services' description, quantity, unit price, and total amount; (ii) One (1) Original delivery note, railway receipt, or truck receipt; (iii) One (1) Original insurance certificate (iv) One (1) Original Manufacturer's or Supplier's warranty certificate; (v) One (1) Original inspection certificate, and the Supplier's factory inspection report; (vi) Certified certificate of origin: One (1) original and three (3) copies; origin to be certified by the Chamber of Commerce in the supplier's country; and (vii) Any other document that may be required in specific cases. The above documents shall be received by the Purchaser before shipping of the Goods and, if not received, the Supplier will be responsible for any consequent expenses.
GC 15.1	The prices charged for the Goods supplied and the related Services performed shall not be adjustable. Prices are fixed until contract completion.
GC 16.1	The method and conditions of payment to be made to the Supplier under this Contract shall be as follows: Methods of Payment: Payments shall be made using the KfW's Simplified Direct Disbursement procedure. Payment for Goods supplied from abroad. Payment shall be made in <i>Euro (EUR)</i> in the following manner: (i) Advance Payment²: <i>Twenty (20)</i> percent of the Contract Price shall be paid through the payment method stipulated above within thirty (30) days of signing of the Contract by both parties, against submission of a satisfactory Performance Guarantee, and upon submission of a claim and a satisfactory Advance Payment Guarantee for equivalent amount valid until the Goods are delivered to the final destination(s); guarantees shall be in the form provided in the bidding documents; (ii) On Final Acceptance: <i>The remaining eighty (80)]</i> percent of the Contract Price of Goods and Related Services received shall be paid through the payment method stipulated above within sixty (60) days of receipt of the Goods and completion of the Related Services at the final destination(s) upon submission of claim supported by the presentation of the Purchaser's final inspection and acceptance certificate, issued by the Purchaser within fifteen(15) days from the successful

² For off-the-shelf items with short EXW/CIP delivery time, this payment will be made together with the payment described in (ii); this also applies to smaller value contracts were the Supplier does not wish to receive an advance payment.

	distribution/installation/commission/training (whichever is the latter)], and subject to a satisfactory Performance Guarantee covering the warranty period. The Purchaser will have a maximum of four (4) weeks for inspection and acceptance after the goods/equipment are delivered to the respective TVET centers. After the four (4) weeks it will be assumed that the purchaser accepts the goods. Payment for Goods and Services supplied from within the Purchaser's country: Payment for Goods and Services supplied from within the Purchaser's country shall be made in <i>EURO</i> as follows: (i) Advance Payment²: Twenty (20) percent of the Contract Price shall be paid through the payment method stipulated above within thirty (30) days of signing of the Contract by both parties, against submission of a satisfactory Performance Guarantee, and upon submission of a claim and a satisfactory Advance Payment Guarantee for equivalent amount valid until the Goods are delivered to the final destination(s); guarantees shall be in the form provided in the bidding documents; (ii) On Final Acceptance: <i>The remaining eighty (80)]</i> percent of the Contract Price of Goods and Related Services received shall be paid through the payment method stipulated above within sixty (60) days of receipt of the Goods and completion of the Related Services at the final destination(s) upon submission of claim supported by the presentation of the Purchaser's final inspection and acceptance certificate, issued by the Purchaser within fifteen(15) days from the successful distribution/installation/commission/training (whichever is the latter)], and subject to a satisfactory Performance Guarantee covering the warranty period. The Purchaser will have a maximum of four (4) weeks for inspection and acceptance after the goods/equipment are delivered to the respective TVET centers. After the four (4) weeks it will be assumed that the purchaser accepts the goods.										
GC 16.1	Payment to the Supplier of the amounts due in each currency shall be made into the following bank accounts: <i>[Insert bank account details at the time of contract signing]</i> Bank charges are for the account of the Supplier, except for the bank charges of KfW as transferring bank only.										
GC 16.5	GC 16.5 will be applied to this Contract. Interest will be paid on delayed payments based on the prevailing commercial rates at the time of processing the Invoice.										
GC 16.6	Reimbursement payments shall be made to KfW to the following bank account: <table> <tr> <td>Account holder:</td><td>KfW Entwicklungsbank</td></tr> <tr> <td>Account number:</td><td>38 000 000 00</td></tr> <tr> <td>Branch code (BLZ):</td><td>500 204 00</td></tr> <tr> <td>Account number (IBAN):</td><td>DE53 5002 0400 3800 0000 00</td></tr> <tr> <td>SWIFT/BIC:</td><td>KFWIDEFF</td></tr> </table>	Account holder:	KfW Entwicklungsbank	Account number:	38 000 000 00	Branch code (BLZ):	500 204 00	Account number (IBAN):	DE53 5002 0400 3800 0000 00	SWIFT/BIC:	KFWIDEFF
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Account number:	38 000 000 00										
Branch code (BLZ):	500 204 00										
Account number (IBAN):	DE53 5002 0400 3800 0000 00										
SWIFT/BIC:	KFWIDEFF										

	Payment to be made for the account of the Ministry of Education (MoE), State Department of Technical, Vocational Education and Training, Jogoo House B, Harambee Avenue, Nairobi, Kenya.
GC 17.3	The following taxes, duties and fees exemptions apply to the Contract: Pursuant to Article 1.3 of the Financing Agreement between the Purchaser and KfW, no import duties may be financed from the German Financial Contribution. However, any other charges, fees such as custom clearance, etc. will be borne by the Supplier.
GC 18.1	The amount of the Performance Security shall be: 10 % of the contract price
GC 18.3	The Performance Security shall be in the form of: Performance Bond The Performance security shall be denominated in the currency of payment of the Contract (EUR), in accordance with their portions of the Contract Price.
GC 22.2(a)	The number of days shall be: thirty (30)
GC 22.2 (b)	The number of years shall be: five (5)
GC 23.2	The packing, marking and documentation within and outside the packages shall be: Ministry of Education (MoE), State Department of Technical, Vocational Education and Training, Jogoo House B, Harambee Avenue, Nairobi Kenya Promotion of Youth Employment and Vocational Training in Kenya – Phase II Addressed to: Kitale National Polytechnic Kitale Municipality along Elgon Rd, Bumbe Technical Training Institute Funyula Nyamira National Polytechnic Itibo Ward, Nyamira North Sub-County, Nyamira

GC 24.1	The insurance coverage shall be as follows: Up to 110% of the Contract Price <i>DDP value plus all required local services</i> from “warehouse to warehouse” on “All Risks” basis including War Risks and Strike Clauses. The Institute War Clauses do not apply for land transport (rail or road). Any payments of the insurer are to be made to KfW for the account of the Republic of Kenya to the extent that the risk has already come to lie with the Purchaser. The insurance certificate/policy must include the following Clause: “In the event of any claim under this insurance policy, payment shall be effected to KfW, Frankfurt am Main (BIC: KFWIDEFF, BLZ/Branch Code 500 204 00), Account No. 38 000 000 00 (IBAN: DE53 5002 0400 3800 0000 00) for account of Ministry of Education (MoE), State Department of Technical, Vocational Education and Training, Jogoo House B, Harambee Avenue Nairobi, Kenya.
GC 25.1	Responsibility for transportation of the Goods shall be as specified in the Incoterms.
GC 25.2	Incidental services to be provided are:
GC 26.1	The inspections and tests shall be specified in Section VII – Schedule of Requirements, Chapter 5 Inspections and Tests. The Purchaser’s right to inspect, test and, where necessary, reject the Goods after the Goods’ arrival in the Purchaser’s country shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representatives prior to the Goods’ shipment.
GC 26.2	The Inspections and tests shall be conducted at the Goods’ final destination
GC 27.1	The liquidated damage shall be: <i>0.5 % per week of the contract price</i>
GC 27.1	The maximum amount of liquidated damages shall be: 10 % of the contract

GC 28.3	The period of validity of the Warranty shall be 24 months. For purposes of the Warranty, the named place(s) of destination(s) shall be: See GC 23.2
GC 28.5 and GC 28.6	The period for repair or replacement shall be: 45 days.

Attachment 1 to Particular Conditions of Contract

KfW Policy – Sanctionable Practice – Social and Environmental Responsibility

1) Sanctionable Practice

The PEA and the Contractors (including all members of a Joint Venture and proposed or engaged Subcontractors) must observe the highest standard of ethics during the Tender Process and performance of the Contract.

By signing the Declaration of Undertaking the Contractors declare that (i) they did not and will not engage in any Sanctionable Practice likely to influence the Tender Process and the corresponding Award of Contract to the PEA's detriment, and that (ii) in case of being awarded a Contract they will not engage in any Sanctionable Practice.

Moreover, KfW requires to include in the Contracts a provision pursuant to which Contractors must permit KfW and in case of financing by the European Union also to European institutions having competence under European law to inspect the respective accounts, records and documents relating to the Tender Process and the performance of the Contract, and to have them audited by auditors appointed by KfW.

KfW reserves the right to take any action it deems appropriate to check that these ethics rules are observed and reserves, in particular, the rights to:

- (a) reject an Offer for Award of Contract if during the Tender Process the Bidder who is recommended for the Award of Contract has engaged in Sanctionable Practice, directly or by means of an agent in view of being awarded the Contract;
- (b) declare misprocurement and exercise its rights on the ground of the Funding Agreement with the PEA relating to suspension of disbursements, early repayment and termination if, at any time, the PEA, Contractors or their legal representatives or Subcontractors have engaged in Sanctionable Practice during the Tender Process or performance of the Contract without the PEA having taken appropriate action in due time satisfactory to KfW to remedy the situation, including by failing to inform KfW at the time they knew of such practices.

KfW defines, for the purposes of this provision, the terms set forth below as follows:

Coercive Practice	The impairing or harming, or threatening to impair or harm, directly or indirectly, any person or the property of the person with a view to influencing improperly the actions of a person.
Collusive Practice	An arrangement between two or more persons designed to achieve an improper purpose, including influencing improperly the actions of another person.
Corrupt Practice	The promising, offering, giving, making, insisting on, receiving, accepting or soliciting, directly or indirectly, of any illegal payment or undue advantage of any nature, to or by any person, with the intention of influencing the actions of any person or causing any person to refrain from any action.

Fraudulent Practice	Any action or omission, including misrepresentation that knowingly or recklessly misleads, or attempts to mislead, a person to obtain a financial benefit or to avoid an obligation.
Obstructive Practice	Means (i) deliberately destroying, falsifying, altering or concealing evidence material to the investigation or the making of false statements to investigators, in order to materially impede an official investigation into allegations of a Corrupt Practice, Fraudulent Practice, Coercive Practice or Collusive Practice, or threatening, harassing or intimidating any Person to prevent them from disclosing their knowledge of matters relevant to the investigation or from pursuing the investigation, or (ii) any act intended to materially impede the exercise of KfW's access to contractually required information in connection with an official investigation into allegations of a Corrupt Practice, Fraudulent Practice, Coercive Practice or Collusive Practice.
Sanctionable Practice	Any Coercive Practice, Collusive Practice, Corrupt Practice, Fraudulent Practice or Obstructive Practice (as such terms are defined herein) which is unlawful under the Financing Agreement.

2) **Social and Environmental Responsibility**

Projects financed in whole or partly in the framework of Financial Cooperation have to ensure compliance with international Environmental, Social, Health and Safety (ESHS) standards (including issues of sexual exploitation and abuse and gender based violence) Contractors in KfW-financed projects shall consequently undertake in the respective Contracts to:

- (a) comply with and ensure that all their Subcontractors and major suppliers, i.e. for major supply items comply with international environmental and labour standards, consistent with applicable law and regulations in the country of implementation of the respective Contract and the fundamental conventions of the International Labour Organisation² (ILO) and international environmental treaties and;
- (b) implement any environmental and social risks mitigation measures, as identified in the environmental and social impact assessment (ESIA) and further detailed in the environmental and social management plan (ESMP) as far as these measures are relevant to the Contract and implement measures for the prevention of sexual exploitation and abuse and gender-based violence..

² In case ILO conventions have not been fully ratified or implemented in the Employer's country the Applicant/Bidder/Contractor shall, to the satisfaction of the Employer and KfW, propose and implement appropriate measures in the spirit of the said ILO conventions with respect to a) workers grievances on working conditions and terms of employment, b) child labour, c) forced labour, d) worker's organisations and e) non-discrimination.

Attachment: Price Adjustment Formula

Not applicable.

Section X. Contract Forms

This Section contains forms which, once completed, will form part of the Contract. The forms for Performance Security and Advance Payment Security, when required, shall only be completed by the successful Bidder after contract award.

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Letter of Acceptance

[Use letterhead paper of the Purchaser]

[Insert date]

To: *[Insert name and address of the Supplier]*

Subject: **Notification of Award Contract No. *[Insert contract number]***

This is to notify you that your Bid dated *[Insert date]* for execution of the *[Insert name of the contract and identification number, as given in the PC]* for the Accepted Contract Amount of *[Insert contract price in numbers and words including code and name of currency]*, as corrected and modified in accordance with the Instructions to Bidders is hereby accepted by the undersigned Purchaser.

You are requested to furnish the Performance Security within twenty-eight (28) days in accordance with the Conditions of Contract, using for that purpose the Performance Security Form included in Section X, Contract Forms, of the Bidding Documents.

Authorized Signature: _____

Name and Title of Signatory: _____

Name of Institution: _____

Attachment: Contract Agreement¹

¹ If the Purchaser cannot send the contract agreement together with the letter of acceptance, it must be sent electronically to the Supplier within a reasonable period of time not exceeding ten days; for the purpose of issuing the required Performance Guarantee, the supplier must be advised of the Contract date.

Contract Agreement

THIS AGREEMENT made

the *[Insert number]* day of *[Insert: month]*, *[Insert: year]*.

BETWEEN

- (1) *[Insert complete name of Purchaser]*, a/an *[Insert description of type of legal entity, for example, an agency of the Ministry of of the State of {Insert name of Country of Purchaser}, or corporation incorporated under the laws of {Insert name of Country of Purchaser}]* and having its principal place of business at *[Insert address of Purchaser]* (hereinafter called "the Purchaser"), and
- (2) *[Insert name of Supplier]*, a corporation incorporated under the laws of *[Insert: country of Supplier]* and having its principal place of business at *[Insert address of Supplier]* (hereinafter called "the Supplier").

WHEREAS the Purchaser invited bids for certain Goods and ancillary services, viz., *[Insert brief description of Goods and Services]* and has accepted a Bid by the Supplier for the supply of those Goods and Services in the sum of *[Insert Contract Price in words and figures, expressed in the Contract currency(ies)]* (hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract documents referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement. This Agreement shall prevail over all other contract documents.
 - (a) The Letter of Acceptance;
 - (b) The Bid Submission Form and Appendix to Bid Submission Form (including the signed Declaration of Undertaking);
 - (c) The Addenda Nos. _____ (if any);
 - (d) Particular Conditions of Contract, including Annex 1;
 - (e) General Conditions of Contract;
 - (f) The Specification (including Schedule of Requirements and Technical Specifications);
 - (g) The completed Bidding Forms (including Price Schedules); and
 - (h) Any other document listed in GC as forming part of the Contract.
3. In the event of any discrepancy or inconsistency within the Contract documents, then the documents shall prevail in the order listed above.
4. In consideration of the payments to be made by the Purchaser to the Supplier as specified in this Agreement, the Supplier hereby covenants with the Purchaser to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
5. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of *[Insert the name of the Contract governing law country]* on the day, month and year indicated above.

For and on behalf of the Purchaser²:

Signed: *[Insert signature]*

In the capacity of *[Insert title or other appropriate designation]*

In the presence of *[Insert identification of official witness]*

For and on behalf of the Supplier:

Signed: *[Insert signature of authorized representative(s) of the Supplier]*

In the capacity of *[Insert title or other appropriate designation]*

In the presence of *[Insert identification of official witness]*

² In cases where the Purchaser is different from the Beneficiaries of the Contract, it may be advisable to have authorized representatives from the Beneficiary Institutions sign as witnesses, accepting the Goods to be supplied.

[Note: All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.]

Performance Security

Beneficiary: *[Insert name and Address of Purchaser]*

Date: *[Insert date of issue]*

PERFORMANCE GUARANTEE No.: *[Insert guarantee reference number]*

Guarantor: *[Insert name and address of place of issue, unless indicated in the letterhead]*

We have been informed that *[Insert name and address of supplier, which in the case of a joint venture shall be the name and address of the joint venture]* (hereinafter called "the Applicant") has entered into Contract No. *[Insert reference number of the contract]* dated *[Insert contract date]* with the Beneficiary, for the supply of *[Insert object of the contract and brief description of Goods and related Services]* (hereinafter called "the Contract"). Furthermore we understand that, according to the conditions of the Contract, a performance guarantee is required for *[Insert percentage in words and figures]* % of the contract price.

Waiving all objections and defences, we, as Guarantor, hereby irrevocably and independently undertake to pay the Beneficiary, any sum or sums not exceeding in total an amount of *[Insert guarantee amount and currency in words and figures]*³ upon receipt by us of the Beneficiary's first demand, supported by the Beneficiary's statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating that the Applicant is in breach of its obligation(s) under the Contract, without the Beneficiary needing to prove or to show grounds for the demand or the sum specified therein.

[For guarantees issued in foreign currency insert the following:]

In the event of any claim under this guarantee, payment shall be effected to KfW, Frankfurt am Main (BIC: KFWIDEFF, BLZ 500 204 00), account no. 38 000 000 00 (IBAN: DE53 5002 0400 3800 0000 00), for the account of *[Insert name of the Purchaser and the Purchaser's country]*.

[For guarantees issued in local currency insert the following:]

In the event of any claim under this guarantee, payment shall be effected to *[Insert the account on which payments are to be made]*, for the account of *[Insert name of the Purchaser and the Purchaser's country]*.

This guarantee shall expire not later than *[Insert expiry date]*⁴.

By this date we must have received any claims for payment by letter or encoded telecommunication.

It is understood that you will return this guarantee to us on expiry or after payment of the total amount to be claimed hereunder.

³ This guarantee shall be issued in the contract currency only.

⁴ Pursuant to GC Clause 18.4 the guarantee shall be valid for at least 28 days from the date of contractual contract completion (including warranty obligations).

[As preferred option regarding guarantee rules insert⁵: This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758, except that the supporting statement under Article 15(a) is hereby excluded.]

Place, date

Guarantor's authorized signature(s)

⁵ In the case the issuing bank will not add the preferred option, the following must be added instead: This guarantee is governed by the laws of *[Insert country of jurisdiction]*. Note: the country of jurisdiction shall be the country where the bank's branch issuing the guarantee is physically located.

[Note: All italicized text (including footnotes) is for use in preparing this form and shall be deleted from the final product.]

Advance Payment Security

Beneficiary: *[Insert name and Address of Purchaser]*

Date: *[Insert date of issue]*

ADVANCE PAYMENT GUARANTEE No.: *[Insert guarantee reference number]*

Guarantor: *[Insert name and address of place of issue, unless indicated in the letterhead]*

We have been informed that *[Insert name and address of supplier, which in the case of a joint venture shall be the name and address of the joint venture]* (hereinafter called "the Applicant") has entered into Contract No. *[Insert reference number of the contract]* dated *[Insert contract date]* with the Beneficiary, for the supply of *[Insert object of the contract and brief description of Goods and related Services]* (hereinafter called "the Contract"). Furthermore we understand that, according to the conditions of the Contract, an advance payment in the sum of *[Insert amount and currency in words and figures]*⁶, representing *[Insert percentage in words and figures]* % of the contract price, is to be made against an advance payment guarantee.

Waiving all objections and defences, we, as Guarantor, hereby irrevocably and independently undertake to pay the Beneficiary, any sum or sums not exceeding in total an amount of *[Insert guarantee amount and currency in words and figures]* upon receipt by us of the Beneficiary's first demand, supported by the Beneficiary's statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating that the Applicant is in breach of its obligation(s) under the Contract, without the Beneficiary needing to prove or to show grounds for the demand or the sum specified therein.

The advance payment guarantee shall come into force and effect as soon as the advance payment has been credited to the Applicant on its account. Minor deductions of the above mentioned amount notably due to bank fees shall have no effect on the entry into force.

[For guarantees issued in foreign currency insert the following:]

In the event of any claim under this guarantee, payment shall be effected to KfW, Frankfurt am Main (BIC: KFWIDEFF, BLZ 500 204 00), account no. 38 000 000 00 (IBAN: DE53 5002 0400 3800 0000 00), for the account of *[Insert name of the Purchaser and the Purchaser's country]*.

[For guarantees issued in local currency insert the following:]

In the event of any claim under this guarantee, payment shall be effected to *[Insert the account on which payments are to be made]*, for the account of *[Insert name of the Purchaser and the Purchaser's country]*.

This guarantee shall expire not later than *[Insert expiry date]*.

By this date we must have received any claims for payment by letter or encoded telecommunication.

It is understood that you will return this guarantee to us on expiry or after payment of the total amount to be claimed hereunder.

⁶ This guarantee must be issued in the contract currency only.

[As preferred option regarding guarantee rules insert⁷: This guarantee is subject to the Uniform Rules for Demand Guarantees (URDG) 2010 Revision, ICC Publication No. 758, except that the supporting statement under Article 15(a) is hereby excluded.]

Place, date

Guarantor's authorized signature(s)

⁷ In the case the issuing bank will not add the preferred option, the following must be added instead: This guarantee is governed by the laws of *[Insert country of jurisdiction]*. Note: the country of jurisdiction shall be the country where the bank's branch issuing the guarantee is physically located.