



REQUEST FOR QUOTATION (RFQ)

for

“Renovation and Repair Works of Renewable Energy Laboratory in İskenderun”

RFQ Reference: UNDP-TUR-RFQ(KRE)-2021/007

Date: 17 FEBRUARY 2021

SECTION 1: REQUEST FOR QUOTATION (RFQ)

UNDP kindly requests your quotation for **“Renovation and Repair Works of Renewable Energy Laboratory in İskenderun”** within the scope of *“Increasing Employability for Syrian Refugees and Turkish Host Communities in the Renewable Energy Sector”* Project as detailed in Annex 1 of this RFQ.

This Request for Quotation comprises the following documents:

Section 1: This request letter

Section 2: RFQ Instructions and Data

Annex 1: Schedule of Requirements

Annex 2: Quotation Submission Form

Annex 3: Technical and Financial Offer

Annex 4: General Terms and Conditions for Civil Works

Annex 5: Site Survey and Refurbishment Drawings

Annex 6: Site Pictures

When preparing your quotation, please be guided by the RFQ Instructions and Data. Please note that quotations must be submitted using Annex 2 Quotation Submission Form and Annex 3 Technical and Financial Offer, by the method and by the date and time indicated in Section 2. It is your responsibility to ensure that your quotation is submitted on or before the deadline. Quotations received after the submission deadline, for whatever reason, will not be considered for evaluation.

Thank you and we look forward to receiving your quotations.

A handwritten signature in black ink, appearing to read 'S. Khojimatov'.

Sukhrob Khojimatov
Deputy Resident Representative
17/02/2021

SECTION 2: RFQ INSTRUCTIONS AND DATA

Introduction	<p>Bidders shall adhere to all the requirements of this RFQ, including any amendments made in writing by UNDP. This RFQ is conducted in accordance with the UNDP Programme and Operations Policies and Procedures (POPP) on Contracts and Procurement</p> <p>Any Bid submitted will be regarded as an offer by the Bidder and does not constitute or imply the acceptance of the Bid by UNDP. UNDP is under no obligation to award a contract to any Bidder as a result of this RFQ.</p> <p>UNDP reserves the right to cancel the procurement process at any stage without any liability of any kind for UNDP, upon notice to the bidders or publication of cancellation notice on UNDP website.</p>
Deadline for the Submission of Quotation	<p>03 Mar 2021, 14:00 hrs. Turkey Local Time</p> <p>If any doubt exists as to the time zone in which the quotation should be submitted, refer to http://www.timeanddate.com/worldclock/.</p>
Method of Submission	<p>Quotations must be submitted via e-mail to the following e-mail address:</p> <p>Bid submission address: tr.procurement@undp.org</p> <p>File names must be maximum 60 characters long and must not contain any letter or special character other than from Latin alphabet/keyboard.</p> <p>All files must be free of viruses and not corrupted.</p> <p>Max. File Size per transmission: 30 MB</p>
Cost of preparation of quotation	<p>UNDP shall not be responsible for any costs associated with a Supplier's preparation and submission of a quotation, regardless of the outcome or the manner of conducting the selection process.</p>
Supplier Code of Conduct, Fraud, Corruption,	<p>All prospective suppliers must read the United Nations Supplier Code of Conduct and acknowledge that it provides the minimum standards expected of suppliers to the UN. The Code of Conduct, which includes principles on labour, human rights, environment and ethical conduct may be found at: https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct</p> <p>Moreover, UNDP strictly enforces a policy of zero tolerance on proscribed practices, including fraud, corruption, collusion, unethical or unprofessional practices, and obstruction of UNDP vendors and requires all bidders/vendors to observe the highest standard of ethics during the procurement process and contract implementation. UNDP's Anti-Fraud Policy can be found at http://www.undp.org/content/undp/en/home/operations/accountability/audit/office_of_audit_and_investigation.html#anti</p>
Gifts and Hospitality	<p>Bidders/vendors shall not offer gifts or hospitality of any kind to UNDP staff members including recreational trips to sporting or cultural events, theme parks or offers of holidays, transportation, or invitations to extravagant lunches, dinners or similar. In pursuance of this policy, UNDP: (a) Shall reject a bid if it determines that the selected bidder has engaged in any corrupt or fraudulent practices in competing for the contract in question; (b) Shall declare a vendor ineligible, either indefinitely or for a stated period, to be awarded a contract if at any time it determines that the vendor has engaged in any corrupt or fraudulent practices in competing for, or in executing a UNDP contract.</p>
Conflict of Interest	<p>UNDP requires every prospective Supplier to avoid and prevent conflicts of interest, by disclosing to UNDP if you, or any of your affiliates or personnel, were involved in the preparation of the requirements, design, specifications, cost estimates, and other information used in this RFQ. Bidders shall strictly avoid conflicts with other assignments or their own interests, and act without consideration for future work. Bidders found to have a conflict of interest shall be disqualified.</p> <p>Bidders must disclose in their Bid their knowledge of the following: a) If the owners, part-owners, officers, directors, controlling shareholders, of the bidding entity or key personnel who are family members of UNDP staff involved in the procurement functions and/or the Government of the country or any Implementing Partner receiving goods and/or services under this RFQ.</p>

	The eligibility of Bidders that are wholly or partly owned by the Government shall be subject to UNDP's further evaluation and review of various factors such as being registered, operated and managed as an independent business entity, the extent of Government ownership/share, receipt of subsidies, mandate and access to information in relation to this RFQ, among others. Conditions that may lead to undue advantage against other Bidders may result in the eventual rejection of the Bid.
General Conditions of Contract	Any Purchase Order or contract that will be issued as a result of this RFQ shall be subject to the General Conditions of Contract Select the applicable GTC: <input checked="" type="checkbox"/> General Terms and Conditions for Works Applicable Terms and Conditions and other provisions are available at UNDP/How-we-buy
Expected date for contract award	March 2021
Maximum expected duration of contract	60 days starting from the date on which the Contractor will be given Access to the Site and receive a notice from the Engineer to commence the Works.
Liquidated Damages	Will be imposed as follows: Percentage of contract price per day of delay beyond 60 days after given access to the Site: 0,50% Max. number of days of delay is 20, after which UNDP reserves the right to terminate the contract.
Eligibility	A vendor who will be engaged by UNDP may not be suspended, debarred, or otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization. Vendors are therefore required to disclose to UNDP whether they are subject to any sanction or temporary suspension imposed by these organizations. Failure to do so may result in termination of any contract or PO subsequently issued to the vendor by UNDP. It is the Bidder's responsibility to ensure that its employees, joint venture members, sub-contractors, service providers, suppliers and/or their employees meet the eligibility requirements as established by UNDP. Bidders must have the legal capacity to enter a binding contract with UNDP.
Currency of Quotation	Quotations shall be quoted in USD (United States Dollar)
Joint Venture, Consortium or Association	Not allowed
Only one Bid	The Bidder shall submit only one Bid. Bids submitted by two (2) or more Bidders shall all be rejected if they are found to have any of the following: a) they have at least one controlling partner, director or shareholder in common; or b) any one of them receive or have received any direct or indirect subsidy from the other/s; or b) they have the same legal representative for purposes of this RFQ; or c) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about, or influence on the Bid of, another Bidder regarding this RFQ process; d) they are subcontractors to each other's Bid, or a subcontractor to one Bid also submits another Bid under its name as lead Bidder; or e) some key personnel proposed to be in the team of one Bidder participates in more than one Bid received for this RFQ process. This condition relating to the personnel, does not apply to subcontractors being included in more than one Bid.
Duties and taxes	Article II, Section 7, of the Convention on the Privileges and Immunities provides, inter alia, that the United Nations, including UNDP as a subsidiary organ of the General Assembly of the United Nations, is exempt from all direct taxes, except charges for public utility services, and is exempt from customs

	<p>restrictions, duties, and charges of a similar nature in respect of articles imported or exported for its official use.</p> <p>Therefore, Bidders shall prepare their financial bids excluding Value Added Tax (VAT). It is the Bidder's responsibility to learn from relevant authorities (Ministry of Treasury and Finance) and/or to review /confirm published procedures and to consult with a certified financial consultant as needed to confirm the scope and procedures of VAT exemption application as per VAT Law, Ministry of Treasury and Finance General Communiqués. The contractor selected for the award shall not be entitled to receive any amount over its bid price in relation to VAT, Special Consumption Tax and any other applicable taxes.</p>
Language of quotation	English
Previous Experience	<p>Minimum three years of experience in the Construction Field.</p> <p>In order to be considered qualified, the Bidder must have successfully completed, as the prime contractor, minimum one civil works contract of similar nature (i.e. construction of concrete buildings or renovation/repair of existing buildings) at minimum contract amount of USD 50,000 over the last three years counting back from the bid submission deadline. Bidders shall substantiate the claimed experiences by presenting copies of Satisfactory Work Completion Certificates from Clients demonstrating nature and value of the civil work successfully completed.</p> <p>Work Completion Certificate shall include following information at minimum:</p> <ul style="list-style-type: none"> –Project name & Country of Assignment –Client & Reference Contact Details –Contract Value (in USD equivalent*) –Period (dates) of activity and status –Types of activities undertaken <p>UNDP reserves the right to request submission of originals of all proof documents (such as contracts, invoices, acceptance reports etc.) as well as further information/documentation from both the bidder and its clients.</p>
Bid Security	Not required
Performance Security	<p>The successful bidder will be asked to provide a performance security of 10% of the amount of the contract at the signing of the contract. This security must be provided no later than 15 days after the bidder receives the award letter by the UNDP. If the selected bidder fails to provide such a security within this period, the contract will be void and a new contract may be drawn up and sent to the tenderer which has submitted the next cheapest compliant tender.</p> <p>The Performance Security must be issued by an accredited bank, in the format included in Appendix I to UNDP General Conditions of Contract for Civil Works and must be valid up to twenty-eight days after issuance of the Certificate of Final Completion. The Performance Security will only be released upon the issuance of Certificate of Final Completion in accordance with the Clause 10 of the UNDP General Conditions of Contract for Civil Works.</p>
Documents to be submitted	<p>Bidders shall include the following documents in their quotation:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Annex 2: Quotation Submission Form duly completed and signed <input checked="" type="checkbox"/> Annex 3: Technical and Financial Offer duly completed and signed and in accordance with the Schedule of Requirements in Annex 1 <input checked="" type="checkbox"/> Trade Registry Gazette showing the establishment and shareholder structure of the company; <input checked="" type="checkbox"/> Valid Chamber of Commerce Registration Certificate (Original documents may be requested by UNDP and shall be presented when requested) <input checked="" type="checkbox"/> Copy of Signature Circular/Power of Attorney (Original documents may be requested by UNDP and shall be presented when requested) <input checked="" type="checkbox"/> Work Completion certificate <input checked="" type="checkbox"/> CVs and Diplomas of proposed Key personnel
Quotation	Quotations shall remain valid for 60 days from the deadline for the Submission of Quotation.

validity period	
Price variation	No price variation due to escalation, inflation, fluctuation in exchange rates, or any other market factors shall be accepted at any time during the validity of the quotation after the quotation has been received.
Partial Quotes	<input checked="" type="checkbox"/> Not permitted
Alternative Quotes	<input checked="" type="checkbox"/> Not permitted
Payment Terms	<p>The contract is based on unit price, and the final price of the Contract will be determined on the basis of actual quantities of work and materials utilized in the complete and satisfactory performance of the Works as certified by the Engineer and the unit prices contained in the Contractor's financial proposal. Such unit prices are fixed and are not subject to any variation whatsoever. Unless the technical specifications or the Bill of Quantities specifically and expressly state otherwise, only permanent works are to be measured and paid for by UNDP.</p> <p>The Contractor shall submit the invoice (reflecting the work performed and materials utilized as accepted by UNDP through the "Final Report").</p> <p>UNDP shall effect payment of the invoices after receipt of the certificate of payment issued by the Engineer, approving the amount contained in the report and the invoice. The Engineer may make corrections to that amount, in which case UNDP may effect payment for the corrected amount. The Engineer may also withhold invoices if the work is not performed at any time in accordance with the terms of the Contract or if the necessary insurance policies or performance security are not valid and/or in order. The Engineer shall process the invoice submitted by the Contractor within 15 days of their receipt.</p> <p>Invoice will be paid within thirty (30) days of the date of their receipt and acceptance by UNDP.</p> <p>Payment shall be released after substantial completion of all works within the scope of the Contract. No advance, interim or partial payment will be made to the Contractor.</p> <p>Currency of Payment: If the Contractor is registered and operating in Turkey, the payment shall be realized in Turkish Liras (TRY). Contract price will be converted from United States Dollar (USD) to Turkish Liras (TRY) by the UN operational rate of exchange valid on the date of money transfer. Otherwise, the payments shall be affected in United States Dollar.</p> <p>Refer to https://treasury.un.org/operationalrates/OperationalRates.php for UN Exchange Rate information</p>
Conditions for Release of Payment	<input checked="" type="checkbox"/> Written Acceptance of works by the Engineer, based on full compliance with RFQ requirements.
Contact Person for correspondence, notifications and clarifications	<p>E-mail address: tr.procurement@undp.org Murat OZERDEN, Procurement Administrator</p> <p>Any delay in UNDP's response shall be not used as a reason for extending the deadline for submission, unless UNDP determines that such extension is necessary and communicates a new deadline to the Proposers.</p>
Clarifications	Requests for clarification from bidders will not be accepted any later than 4 (four) days before the submission deadline.
Evaluation method	<input checked="" type="checkbox"/> The Contract will be awarded to the lowest price substantially compliant offer
Evaluation criteria	<input checked="" type="checkbox"/> Full compliance with all requirements as specified in Annex 1 <input checked="" type="checkbox"/> Full acceptance of the General Conditions of Contract

Right not to accept any quotation	UNDP is not bound to accept any quotation, nor award a contract
Right to vary requirement at time of award	At the time of award of Contract, UNDP reserves the right to vary (increase or decrease) the quantity of services and/or goods, by up to a maximum twenty-five per cent (25%) of the total offer, without any change in the unit price or other terms and conditions.
Type of Contract to be awarded	Contract for Civil Works http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html
Publication of Contract Award	UNDP will publish the contract awards valued at USD 100,000 and more on the websites of the CO and the corporate UNDP Web site.
Policies and procedures	This RFQ is conducted in accordance with UNDP Programme and Operations Policies and Procedures
UNGM registration	Any Contract resulting from this RFQ exercise will be subject to the supplier being registered at the appropriate level on the United Nations Global Marketplace (UNGM) website at www.ungm.org . The Bidder may still submit a quotation even if not registered with the UNGM, however, if the Bidder is selected for Contract award, the Bidder must register on the UNGM prior to contract signature.
Site Visit	<p>Bidders are encouraged to visit the site and familiarize themselves with the existing conditions of the building prior to submitting their offer. UNDP shall not make any arrangements for a site visit as the building is currently unoccupied and freely accessible. For bidders who would like to be informed about the locations of sites, or visit the sites at their own expense, the address is given below: Address: İskenderun Organize Sanayi Bölgesi, Sarıseki Mahallesi, Vali Utku Acun Bulvarı No:11 İskenderun, Hatay</p> <p>It is the bidders' responsibility to consider Covid-19 related risks in the case they visit the locations of the sites mentioned above. UNDP is not responsible for any Covid-19 related events and health issues that may arise during and after the site visits.</p>
COVID-19 Specific Measures	<p>The Bidders shall review all local regulations, as well as that of UN and UNDP concerning the measures, they must take during performance of the contract in the context of COVID-19, before they submit their bids and factor relevant costs, if any, to their bids.</p> <p>The Contractor shall take all measures against COVID-19, imposed by local regulations as well as by UN and UNDP during performance of the contract, to protect health and social rights of its own personnel, as well as UNDP personnel, Project Stakeholders and third parties.</p> <p>Pursuant to "Clause 12- Indemnification" of UNDP General Terms and Conditions for Contracts (given in Item 40. "Contract Type and General Terms and Conditions" in Section 2. Instruction to Bidders of the ITB document) , the Contractor shall indemnify, defend, and hold and save harmless, UNDP, and its officials, agents and employees, from and against all suits, proceedings, claims, demands, losses and liability of any kind or nature brought by any third party against UNDP, including, but not limited to, all litigation costs and expenses, attorney's fees, settlement payments and damages, based on, arising from, or relating to COVID-19 measures that must be taken by the Contractor in the context of the contract.</p> <p>UNDP shall not be held accountable for any COVID-19 related health risks or events that are caused by negligence of the Contractor and/or any other third party.</p>
Contingency and variations	<p>The contingency allowance to manage variations for the unforeseen and unknown additional components of Works within the overall general scope is maximum 15% of the contract price. However, it shall only be accessed by the Contractor upon the approval by the UNDP Engineer, who will obtain prior approval from UNDP as the Employer.</p> <p>The project engineer (employer's representative) may use this contingency with no additional procurement process to manage variations with the approval of UNDP. Any variation that utilizes the contingency but is not covered by rates in the BOQ or schedule of rates shall be subject to a value for money analysis by the Engineer and UNDP.</p>

	The contingency allowance shall not be used to compensate the Contractor for its fault to include required items in the Bill of Quantities as per Schedule of Requirements/Technical Specifications or unreasonably low unit prices of one or more of the items included in the submitted Bill of Quantities.
Insurance of work	For all risks stipulated by Clause 21 of UNDP General Conditions of Contract for Civil Works for the 110 % of the total estimated price of the Contract.
Liability Insurance	Minimum amount of liability insurance (Clause 23 of UNDP General Conditions of Contract for Civil Works) is 15% of the total estimated price of the Contract.

ANNEX 1: SCHEDULE OF REQUIREMENTS

1.GENERAL

1.1.INTRODUCTION AND BACKGROUND

UNDP Turkey has repositioned to contribute through four areas: 1) Inclusive and Democratic Governance (IDG); 2) Inclusive and Sustainable Growth (ISG); and 3) Climate Change and Environment (CCE); and 4) Syria Crisis and Resilience Response. In addition to these areas, UNDP Turkey is emphasizing the role of Strategic Partnerships that cut across the entire country programme regionally as well as globally.

UNDP supports the Government of Turkey through its Syria Crisis Response and Resilience Programme in Turkey to strengthen the resilience of refugees, host community members, local municipalities and relevant national institutions to cope with and recover from the impact. UNDP's resilience response strategy is to invest in existing national and local systems to ensure they can adequately serve both host and refugee communities. As part of this programme, UNDP will implement the **Renovation and Repair Works of Renewable Energy Laboratory in Iskenderun**

1.2.DEFINITION AND SCOPE OF THE CONTRACT

1.2.1. Definition

This contract comprises; **Renovation and Repair Works of Renewable Energy Laboratory in Iskenderun**

1.3.SPECIFICATIONS AND STANDARDS

Equivalency of Standards and Codes

Wherever reference is made in the Contract to specific standards and codes to be met by the goods and materials to be furnished, and work performed or tested, the provisions of the latest current edition or revision of the relevant standards and codes in effect shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national or related to a particular country or region, other authoritative international standards that ensure substantially equal or higher quality than the specified standards and codes should be acceptable subject to the Engineer's prior review and written consent. Differences between the standards specified and the proposed alternative standards shall be fully described in writing by the Contractor and submitted to the Engineer at least 7 days prior to the date when the Contractor desires Engineer's consent. In the event the Engineer determines that such proposed deviations do not ensure substantially equal or higher quality, the Contractor shall comply with the standards specified in the documents.

During the implementation and management of all issues of the Works; the standards, specifications and principles shall be adhered to in the management, design, construction, testing and acceptance and commissioning of all works.

1.3.1.Standards

The Contractor shall comply with the last updated editions of the following standards, in the order of precedence as listed, in the design, implementation, testing, acceptance and operation of all works within the scope of the tender. In circumstances for which there is no description in the following standards, it shall be permitted to use the last updated editions of other national and international standards on condition that the Engineer accepts.

- a.Turkish Standards (TS),
- b.European Norm (EN),
- c.International Standards Organization (ISO),

1.3.2.Legislation

The Contractor shall execute and complete the Works in strict accordance with applicable legislation of Turkey.

1.3.3.Specifications

The Contractor shall execute and complete the Works in strict accordance with the last updated editions of;

- Republic of Turkey Ministry of Environment and Urbanization "Construction Works, Civil, Mechanical Works and Electrical Works General Technical Specifications"¹
- Republic of Turkey General Directorate of Highways "Highways Technical Specifications"
- Union of Chambers of Turkish Engineers and Architects, Chamber of Landscape Architects Publication; Technical Specifications for Landscape Works

1.4.SITE

Refer to provisions stipulated in Clauses 11, 32, 33, 37, 39, 41 and Sub-Clauses 6.2, 34.2 of the General Conditions of Contract.

Building is located at İskenderun Organize Sanayi Bölgesi, Sarıseki Mahallesi, Vali Utku Acun Bulvarı No:11 İskenderun, Hatay. Building to be refurbished is a single-storey reinforced concrete building that was previously used as community health centre.

1.4.1.Arrangement of the Site

The ground levels of the Site shall not be changed without the permission of the Engineer and no infrastructure, structure or tree shall be removed or permanent structure shall be built without the Engineer's prior approval.

The Contractor shall construct temporary parking areas, loading and unloading areas, open storage areas, approach and internal roads, temporary facilities to facilitate its methodology and order of construction of the Works, as appropriate

1.4.2.Site Requirements

Provision of all the necessary utility requirements on site, such as electricity, water, gas, etc. during the execution of the works shall be under the responsibility of the Contractor.

Application to the relevant authorities for subscription to provide utility connections shall also be under the responsibility of the Contractor. All costs of the consumptions on site shall be covered by the Contractor. Any temporary fencing used by the contractor to protect the works shall be appropriate for the task to keep the public from danger and protect the workers.

The Contractor shall erect such fencing as soon as he is given possession of the relevant portion of the Site. The Contractor shall regularly inspect and maintain all such fencing, any defects being made good

¹Applicable communiques:

- "Communique related to Construction Works, Civil, Mechanical Works and Electrical Works General Technical Specifications" issued by Ministry of Public Works and Settlement, published in Official Gazette of Republic of Turkey no: 29459, dated 28 August 2015(complementary version) available at <http://www.resmigazete.gov.tr/eskiler/2007/06/20070630M1-1.htm>
- "Communique related to making amendmends on communique related to Construction Works, Civil, Mechanical Works and Electrical Works General Technical Specifications" issued by Ministry of Public Works and Settlement, published in Official Gazette of Republic of Turkey no: 27853, dated 21 February 2011 available at: <http://www.resmigazete.gov.tr/main.aspx?home=http://www.resmigazete.gov.tr/eskiler/2011/02/20110221.htm&main=http://www.resmigazete.gov.tr/eskiler/2011/02/20110221.htm>
- "Communique related to making amendmends on communique related to Construction Works, Civil, Mechanical Works and Electrical Works General Technical Specifications" issued by Ministry of Environment and Urbanisation, published in Official Gazette of Republic of Turkey no: 30352, dated 06 March 2018 available at: http://sgb.csb.gov.tr/mevzuat/dosyalar/r_20180306093845756_03c559f6-993f-40e1-9009-6701e836970d.pdf

without delay.

Access shall be provided in temporary site fencing as necessary for the use of the occupiers of adjacent properties.

Temporary site fencing shall remain in position until the Works are sufficiently completed to enable that portion of the Site to be brought into use without danger to the public.

1.4.2.1.Site Temporary Buildings

The Contractor shall provide offices, dining halls and accommodation places for his own personnel, Subcontractors and furnish and maintain these places, as necessary

1.4.2.2.Temporary Water Supply

The Contractor shall supply and distribute water both for the personnel and for the Works. All of the piping, storage and similar main and intermediate systems shall be established in accordance with drawings and specifications. In the event that the municipal water supply is not available in sufficient amounts or pressure, additional supplies shall be provided by the Contractor.

It is the responsibility of the Contractor to provide all necessary back-up, maintenance and repair works for the uninterrupted supply of water sufficient for construction of the Works.

1.4.2.3.Temporary Electricity Supply

Provision of all the necessary utility requirements on site, such as electricity and gas, etc. during the execution of the works shall be under the responsibility of the Contractor.

The Contractor shall be required to make all necessary arrangements with relevant local authorities and/or owners/occupiers of the properties in order to obtain the supply of necessary utilities and cover the expenses for supplying and consuming these services, where necessary.

The Contractor shall provide connection to the site from a suitable point.

The Contractor is obliged to take all precautions for the safety of employees and third parties both in the supply and distribution of the energy. It is the responsibility of the Contractor to provide all necessary back-up, maintenance and repair works for the uninterrupted performance of the temporary electrical supply.

The Contractor shall take necessary measures related to the unexpected cuts off of these services.

1.4.2.4.Temporary Sanitary Installation, Cleaning

The Contractor shall clean the site when necessary and in such a way as to preserve it in a hygienic state and shall comply with the relevant laws and instructions of the Engineer.

The Contractor shall establish temporary sanitary facility in the site in order to meet the requirements for the working personnel. For this purpose, the Contractor shall supply flushed W.C. in suitable places on the site. Domestic water connections of facilities shall be protected against frost. Sewerage drains shall be connected to the sewerage network as much as possible. In the event that this is not possible, connection shall be made to cesspools built in accordance with national specifications. Cesspools shall be drained at suitable intervals.

1.4.2.5.Employer's Equipment and Free-issue material

There is no Employer's Equipment available for the use of the Contractor in the execution of the Works.

Free-issue materials are not available on behalf of the Employer.

1.4.2.6.Temporary Project Sign Board

The Contractor shall at his own cost supply, erect and maintain 1 signboard (size 1.5 m x 2 m) of which location and content must be determined by the Engineer. The design of the sign board itself also requires the prior approval of the Engineer and the Employer.

1.4.2.7.Plant and Temporary Works

The property of all structures, materials, vehicles, tools and equipment supplied and established by the Contractor for the performance of the Work belongs to the Contractor.

Temporary facilities shall be removed within the time and method to be decided by the Engineer after Substantial Completion and their places shall be cleared. Fences, billboards, etc. that have been removed temporarily shall be reinstated.

1.4.2.8. Protection of Existing Structures and Utilities

The Contractor shall assume full responsibility for the protection of all buildings, structures, and roads existing in the area of the construction site, public or private, whether or not they are shown on the drawings. Any damage resulting from the Contractor's operations shall be repaired at his expense.

The Contractor shall take all necessary precautions to avoid causing any unwarranted damage to roads, lands, properties, trees and other features and, during the Contract, shall deal promptly with any complaints by owners or occupiers.

Where any portion of the Works is close to, across, or under any existing apparatus of Statutory Undertakers, the Municipality or other parties, the Contractor shall temporarily support and work round, under or adjacent to all apparatus in a manner designed to avoid damage, leakage or danger, and to ensure uninterrupted operation.

Should any leakage's or damage be discovered, the Contractor shall at once notify the Employer and the Statutory Undertaker, Municipality or owner concerned, as appropriate and the Contractor shall afford every facility for the repair or replacement of the apparatus affected.

Building interiors shall be adequately protected during the course of the works to ensure that they remain water-tight.

The Contractor shall adequately safeguard the buildings affected by the works against damage and theft.

All electrical installations shall comply with the relevant national regulations and shall be safe for the Contractor and members of the public. All Works shall be illuminated when daylight deems to be insufficient.

Before commencement of works nearby the existing structures preconstruction photos shall be taken.

1.5. CONTRACTOR'S KEY PERSONNEL

The Contractor shall employ following key personnel with qualifications listed below on site in line with Programme of Work.

Project Manager/Construction Manager: Minimum 5 years' experience in renovation and/or construction of any kind of structure and degree in civil engineering or architecture. Project Manager/Construction Manager shall be present on site on a full-time basis for the period starting from the date on which the Contractor will be given Access to the Site and receive a notice from the Engineer to commence the Works and ending on the date of substantial completion of Works stated in the Certificate of Substantial Completion.

Electrical Engineer: Minimum 3 years' experience in renovation and/or construction of any kind of structure, and university degree in Electrical Engineering.

1.6. MATERIALS

1.6.1. Conditions for Materials and Equipment

Materials and equipment within the scope of the Work shall comply with the conditions stated in the Technical Specifications. Materials and equipment proposed to be used by the Contractor and which have not been specified shall only be incorporated in the Works after their equivalence with the Technical Specifications has been verified and approved by the Engineer.

Any material or equipment proposed by the Contractor for substitution from that specified shall be subject to prior approval of the Engineer.

1.6.2.Storage Facilities

The Contractor shall establish open and closed storage places in suitable and sufficient extent at his own expense for the storage of materials and equipment in the site. The Contractor is obliged to take all necessary protective precautions against damage, contamination inclement weather and theft.

1.6.3.Terms of Transportation

All of the materials and equipment shall be packaged in such a way to facilitate transporting in and out of the storage and to the Work Place and to be protected against damage.

Materials and equipment shall be loaded on vehicles in conformity with international transportation rules. During transportation, all necessary additional precautions shall be taken and adequate transportation insurance shall be provided at the sole responsibility and cost of the Contractor.

1.7.SETTING - OUT

All necessary application, measurement and instrumentation processes and equipment necessary for construction of the Works and for preservation of the environment in the vicinity of the Works are the responsibility of the Contractor at his own expense.

1.7.1.Application Works

The Contractor shall prepare application drawings showing the setting out of the structures on the site and based on the reference points and levels given in the Drawings and submit to the Engineer for approval. The accuracy of the setting out shall be the sole responsibility of the Contractor.

For application and measurement processes; the Contractor shall:

- Employ qualified and experienced land surveyors.
- Use modern type and high-quality topography devices suitable for the works.

1.8.ACCOMODATION FOR THE ENGINEER

Before commencing the Contract, the Contractor shall supply and erect on the site an office of a minimum 10 m2 room for the exclusive use of the Engineer at a location to be agreed with the Engineer. This office shall be provided for the total construction period.

The washroom shall be provided with a washbasin, hot and cold-water supplies and a flush operated WC connected to the existing sewer. The Contractor shall be responsible for the security of the Engineer's office and all equipment therein until the office is finally closed.

The Contractor shall maintain, light, heat/cooling and clean the office for the duration of the contract. The Contractor shall be responsible for the insurance of the office for the duration of the contract. The Contractor shall insure the office and the contents provided by him, against fire, burglary and other risks ordinarily insured against during the period of the Contract. The electricity, water supply, and maintenance costs of this office shall be met by the Contractor(s) until substantial completion of the Works.

Material	Quantity
Desk	1
Chair	1
Guest Chair	2

The electricity, water supply, and maintenance costs of this office shall be met by the Contractor(s) until substantial completion of the Works.

The Contractor shall ensure that all equipment is kept in good condition and shall repair or replace, as directed by the Engineer, any equipment that becomes unserviceable.

1.9.COORDINATION

The Contractor is responsible for ensuring all coordination necessary for the execution of the work in accordance with the quality, cost and timing objectives foreseen by the Employer at the beginning of the work.

The Contractor shall prepare a Critical Path Method (CPM) work schedule, inspect the schedules according to the project timeframe, check the integrity of the schedules between infrastructure, superstructure constructions, electrical and mechanical works, combine the schedules and submit to the Engineer for approval.

The Contractor shall be responsible for ensuring administrative and technical coordination with the Employer, the Engineer and other parties who might directly affect the works along with the following parties who might have indirect effect:

- a.Relevant official institutions and organizations,
- b.Other authorized persons, institutions and organizations

1.10.CONTROL AND EXAMINATION OF MATERIALS AND EQUIPMENT

If the Engineer requests, s/he sends his own members to the project offices, factories of the Contractor and to factories of its subcontractors for the technical control and examination of the material and equipment, production in factories and for their participation in the project works.

As a result of the control and counting of the material, replacement of materials, which are not in compliance with the quality identified in the specifications, are malfunctioned, deficient or sent by mistake, will be realized and delivered to the buyer within 14 days (this term will be determined mutually, when special manufacturing is necessary) and all expenditures made. Otherwise, the Employer will procure these, and collect all expenditures from the receivables or performance security in the Employer.

1.11.OBTAINING OF RELEVANT APPROVALS AND CERTIFICATES

The Contractor shall obtain all relevant approvals and certificates from local Authorities regarding construction and operation of the Plants in the site.

Permits, license and approval costs which are required by the Turkish laws/regulations will be determined by the relevant local authorities.

1.12.AS-BUILT DRAWINGS AND OPERATION & MAINTENANCE MANUALS

This part of the Specifications covers the "As-built Drawings" to be prepared by the Contractor including Operation and Maintenance Manuals of the Plant incorporated in the Permanent Works. Three complete draft sets of prints of Drawings showing all Works exactly as made shall be submitted to the Engineer for approval within one month following the substantial completion of the Works on site.

The Contractor shall record all information necessary for preparing as-built drawings during the execution of the Works on the Sites. Neatly marked-up drawings and other documents covering the Permanent Works as completed shall be available to the Engineer at any time during construction.

Marked-up drawings shall be kept up to date and submitted to the Engineer for approval, as the Works are completed.

The Contractor shall submit complete sets of instructions and manuals to Engineer for approval describing the installed Plant in order to facilitate operation and maintenance, together with the "As-built Drawings".

The documents shall include but not be limited to:

- Layout drawings
- Schematic cabling diagrams
- Specific operation instructions

- Specific maintenance instructions
- Detailed record of all types of tests
- Ensuring all materials, as-built drawings, final finish schedules and plans, and all warranties, guarantees and certifications – that are contractually owed to contractor are collected from contractor's design team before final payments are made.

All information in these manuals shall apply specifically to the Plant and equipment being supplied, and they shall be free from irrelevant matters such as might be contained in the manufacturer's general literature.

The as-built documentation shall include all architectural and engineering disciplines including architectural/ structural, electrical and mechanical drawings, and operation and maintenance manuals. Final version of as-built drawings in two hard copies and one electronic (in Auto CAD and Microsoft Word, Excel, etc) copy of each document shall be provided together with the notice for substantial completion incorporating Engineers' comments and all the modifications/revisions effected during construction. Operation and maintenance manuals shall be provided in Turkish.

All material except drawings shall be A4 size. Drawings shall be on international A size sheets, and drawings shall be marked as "AS-BUILT".

1.13.IMPLEMENTING PARTNER AND FINAL BENEFICIARY

The Contractor shall establish coordination with implementing partner of the project, namely the Ministry of National Education Directorate General for Life-Long Learning. If deemed necessary by Employer, the representatives of implementing partner and final beneficiary may participate meetings, tests on completion, acceptance and inspection of materials and equipment etc. Representatives of the implementing partner and final beneficiary have right to access to site to monitor the progress of work, compliancy of the work to the requirements of the contract. The Contractor shall ensure their access to site at any time requested by them. However, they have no legal power in terms of contract terms and conditions.

2.PROJECT CONTROL DOCUMENTS

2.1.PROJECT MANAGEMENT

2.1.1.Project Management Obligation

The Contractor shall be responsible for effectively managing his efforts in carrying out the requirements of this Contract.

The Contractor shall be responsible for the management, performance, monitoring and coordination of the whole project in order to fulfil all requirements of the Contract and those given in Technical Specifications.

The Contractor's management obligations shall include the efficient planning of work to be performed in cooperation with the Engineer and Employer along with their appointed representatives to ensure project progress visibility.

2.1.2.General Requirements

The Contractor shall establish a project organization in accordance with requirements included herein, having the necessary resources, qualification and experience to fulfil all the Contractor's obligations.

The Contractor shall unambiguously define the tasks, responsibilities and authorities of each individual role within the organization, at least at the management level.

The project organization shall have clear and well-defined command lines and channels for reporting, within and outside the project organization.

The Contractor shall describe which parts of the Contractor's organization are used for staffing the project,

and how the project organization aligns with the Contractor's main organization.

The Contractor shall describe the support functions, which are available for the project organization in the Contractor's main organization and how such resources are put to the disposal of the project.

The Contractor shall describe the organizational interfaces towards any sub-contractor and supplier that shall be in or outside the project organization. Such interfaces shall provide a clear reference between the project management level within the Contractor's and the sub-contractor's/Supplier's organizations.

The Contractor shall appoint key staff members, and these shall to the highest possible extent remain unchanged by the Contractor for the entire project.

Any later changes in such appointments shall be informed to and approved by the Engineer and shall be argued by the Contractor in order for the Engineer to assess the reasons and likely impact of such change.

The Contractor shall, unless this is not within the power of the Contractor, ensure that existing staff remains until suitable and acceptable replacements have been found.

2.1.3. Programme of Work

The programme of work shall comprise following as minimum:

- The proposed location of office on the site, stations (steel/concrete structures), warehouses, accommodation, etc. (sketches to be attached as required).
- A brief outline for completing the works in accordance with the required method of construction and stated time of completion
- A critical milestone bar chart (schedule of execution) representing the construction programme and detailing relevant activities, dates, allocation of labour and plant resources, etc.
- If the tenderer plans to subcontract part of the works, he must provide the following details:
 - Details of work to be subcontracted,

–Project Manager Responsibilities

The Contractor shall define a project management team and shall appoint a Project Manager in charge of the entire project.

The Contractor shall allocate the necessary competence and authority to the Project Manager, entitling the Project Manager to make decisions related to all aspects of the day-to-day management of the project.

Any restriction in the Project Manager's rights in this respect shall be clearly identified and described. Such restriction shall not impose management difficulties upon the project.

All official communication between the Engineer/ the Employer and the Contractor shall be passed through the Contractor's Project Manager.

2.1.4. Engineer's Involvement

For the execution of this project, the Engineer reserves the right to be assisted by other agencies for technical, operational and contractual matters.

The Contractor shall establish a close coordination with the Engineer for the development of all planning activities related to the project, and shall forward relevant plans, procedures etc. for review and approval, prior to putting such plans or procedures into force.

Engineer's duties and responsibilities are defined within the UNDP General Conditions of Contract for Civil Works.

2.1.5. Project Plans

The Contractor shall prepare the following Project plans, which shall be reviewed and approved by the Engineer:

a)Quality Control and Quality Assurance Plan

b) Safety Management Plan

In co-ordination with the Engineer, the Contractor shall also unambiguously define which information is required from the Engineer and when during development and testing.

In addition, the Contractor shall prepare method statements for each activity. Any site activity (excavation, filling etc.) can be start after the approval of the method statements by the Engineer.

2.1.6. Reporting and Reports

The Contractor shall ensure that the Engineer and the Employer are kept informed about the status of all areas within the project, and as a whole ensure that the Engineer can maintain a complete and detailed knowledge of the project.

The Contractor shall provide progress reports to the Engineer describing, but not limited to, achievement, problems, risks and containing updated schedules, WBS, cost/schedule control reports, status of contract variation proposals, and other data which are required for the efficient management of the project.

The Contractor shall agree with the Employer dates for the submission of monthly Progress Reports. These reports shall normally be submitted no later than 7 working days after the completion of each month.

Such reports shall provide information on the status of the Contract, and/or on any matters that could interfere with the timely achievement of any aspect of the Contract and the steps proposed by the Contractor to remedy such matters. The progress report will have minimum the following contents:

- Project progress

*Project management overview. Describes major results achieved, problems that have occurred, and corrective action that has been taken or is planned for solving the problems.

*Technical status: Identifies detailed status, including requirements definition status, design and development progress, problems encountered, corrective actions taken, and a summary of outstanding and approved change items during the period.

*Quality follow-up: Describes activities of the quality assurance program

- Project Schedules: Shows activities completed (e.g., milestones and deliveries), status of ongoing activities, schedule changes (if any). This section also identifies the outlook for the next three months with an assessment of the major activity completion dates.

- Action item status: Describes outstanding action items and action items that have been closed during the reporting period.

- Risk assessment: Presents the current critical paths, critical activities, and technical risk, including assessment, impact, and containment plans.

In addition to the above, Contractor shall prepare and submit an **Observations and Findings Report** to the Engineer within 10 days after commencement of works. This report must provide details of the works that are, in the opinion of the Contractor, required to ensure full and safe functioning of the building. This report can in no way be considered as a base for any variation or additional work. With this respect, Bidders' attention is also drawn to Article 20, paragraph (b) of UNDP General Conditions of Contract for Civil Works.

2.1.7. Meetings

2.1.7.1. Progress Meetings

Progress meetings will be held at the times indicated on the progress chart (at least every 1 months, unless agreed otherwise), and will take place at location, which shall be proposed by the Contractor and approved by the Engineer.

The following persons shall be present at progress meetings:

- The Contractor's representative (i.e. the project manager)

- The representatives of the Employer, the Engineer and the Implementing Partner.
- Any other persons whom the above representatives consider should be present in an assistant/consulting capacity.

The major items to be addressed in the progress meetings are those identified for the progress reports and any other items, which are deemed necessary by the Engineer, the Implementing Partner or the Contractor.

The Contractor shall prepare an agenda and forward it to the Engineer no later than 1 week prior to each meeting for review and approval.

The Contractor shall prepare and produce the minutes. Draft minutes will be ready at the end of meetings and reviews. Minutes signed by the Engineer and the Contractor shall be attached to the contract file and shall become binding for both parties. All of these proceedings pertaining to progress meetings shall be conducted by the Contractor under the orientation of the Engineer.

2.1.7.2.Weekly Site Meetings

Site Meetings (SMs) will be convened by the Contractor as mutually agreed between the Contractor and the Engineer, during the project to allow discussion on specific aspects of the execution, orientation, future arrangement and coordination of the works and also for briefing. SMs may be held to formalize important technical discussions, generally prior to the Progress Meetings and record information's and recommendations arising from these discussions. Decision shall be normally taken at the Progress Meeting.

SMs will be held at locations to be mutually agreed between the Contractor and the Engineer. The Contractor shall provide SMs with the papers documenting the technical items for discussion and recommendations.

The agenda of SMs shall be determined by the Engineer and the Contractor together. In addition to the Engineer, the Employer and the Contractor, SMs can be attended by supply companies, manufacturer companies, subcontractors and other institutions and organizations related to the works when necessary.

Meeting minutes shall be recorded by the Contractor, kept carefully and these shall be distributed as minutes of SMs to the Employer and the Engineer, participants and other persons, institutions and organizations to be found necessary by the Engineer. Minutes signed by the Engineer and the Contractor shall be attached to the contract file and shall become binding for both parties. Minutes shall be forwarded to the Employer for consideration at the next Progress Meeting. All of these proceedings pertaining to SMs shall be conducted by the Contractor under the orientation of the Engineer.

The Contractor is also responsible for organizing additional meetings upon the instruction of the Employer or the Engineer.

2.1.8.Sub- Contractor Involvement

Generally spoken it is the responsibility of the Contractor that all sub-contractors perform their part of the work in accordance with the rules laid down in the contract between the Employer and the Contractor.

This implies that the sub-contractors are subject to the same Project Management procedures and must follow the same standards as applied by the Contractor. The Engineer has the same rights against any sub-contractor as against the Contractor, but this will not free the Contractor for his responsibility for the work performed by the sub-contractors.

To finish the approval procedure for Sub-Contractors involved by the Contractor within the Project, the Contractor shall provide to the Engineer specified documents for each Sub-Contractor (means Sub-Contractor and Sub-Designer) as stated below.

Registration for chamber of commerce

Trade registry gazette

Criminal records of the responsible people of the Sub-contractor

Delivery statement of previous project accomplished by the sub-contractor

Authorized signatures list

Relevant quality certificates like ISO 9001

No bankruptcy statement given by the commercial record authorities

A summary of the status of Sub-contractor with monthly progress payments needs for hand over to keep overview.

Be aware that this matter is pre-condition of payment for works done by Sub-contractors.

The Engineer shall have the right to disapprove a proposed sub-contractor in case of objective evidence that the sub-contractor cannot comply with requirements within this contract, that be related to the delivery or the Project Management and Quality Assurance.

The Contractor shall keep a list of all sub-contractors and suppliers, which are used or are planned to be used within the project and shall forward such list to the Engineer every time it is updated.

The list shall include a precise identification of which parts or components the sub-contractor or supplier in question shall deliver to the Contractor.

The Contractor shall be fully responsible for the work performed by any sub-contractor as for the work performed by the Contractor himself.

2.2.SPECIFIC ON-SITE ACTIVITIES

2.2.1.Management and Planning

The Contractor shall have the full responsibility for the construction, installation and setting up the Works.

The planning of the construction, installation and setting up of the Works shall be developed in close cooperation with the Engineer.

The Contractor shall be responsible for the maintenance and operation of the system during its installation and setting up.

2.2.2.Installation Plan

At each site where installation is going to take place, the Contractor shall prepare an installation plan comprising:

- The Engineer`s activities
- Sub-contractors involved
- Tasks to be performed and who is responsible for each task
- Timing of the tasks
- Documentation of installation (e.g. instructions, specifications and drawings)
- and other information important for the final installation.

The installation plan shall be approved by the Engineer in due time before the final installation

2.2.3.Installation

The Contractor shall, in due time before installation, submit instructions and specifications with detailed information concerning:

- interior
- installation
- cabling, routing, grounding, power, communication
- other topics important for the installation of the Works.

The installation shall take into consideration local legislation, rules and procedures to (i.e.) cabling, power connection and working conditions.

The Contractor shall produce, procure and supply all necessary equipment, tools, etc. consumable as well as non-consumable needed for the installation and setting-up.

2.2.4.Setting up

Setting up covers the activities after the physical installation to adjust and tailor system parameters, fine tuning, etc. to make the system 100% operational.

The Contractor shall specify which procedures will be used to set up the Works.

2.3.SAFETY

The Contractor is responsible for taking all necessary precautions in respect of Works, materials, machinery, equipment and current facilities, persons on site and neighbouring environment. All expenses including indemnities that might arise are the responsibility of the Contractor.

2.3.1.Safety of the Construction Site and Periphery

2.3.1.1.Safety Fence

Contractor shall determine the extent of site boundary fencing necessary to protect the site, works, materials, equipment and facilities against unauthorized access and for safety of the public, to control entries-exits and prevent the entrance of unauthorized persons.

There shall be sufficient number of security officers provided by the Contractor at entrance-exit gates and locations where deemed necessary. There shall be adequate night lighting for ensuring supervision of security officers throughout the fence.

2.3.1.2.Fire Protection

The Contractor is responsible for taking necessary precautions for the protection of Works, Temporary Works and any kind of property and person during performance. All of the precautions, including raising the awareness of personnel, and the proceedings to be implemented in the event of a fire shall be determined working closely with the Fire Department.

During the Work, the special additional precautions that might be needed in the following cases shall be taken and implemented:

- Storage of materials that might easily inflame,
- Collection, storage and disposing of inflammable wastes,
- Operations performed with electric-arc welding and oxy-acetylene cutting machines,

In case a fire breaks out, the Contractor shall supply and get ready following equipment:

- Dry chemical powder type fire extinguishers that can be installed to walls, carried manually with nitrogen pressurized in certain places
- Special extinguishing systems in sections where Fire Department can't enter or access easily

2.3.1.3.Warning Marks, Lighting

All of the open excavations, material piles, structures, facilities and equipment that might create hazard shall be surrounded by barricades with appropriate marks with the aim of protecting the employees and other people.

In the same manner, the roads and passages blocked due to Works shall be protected by barricades.

This kind of areas shall be marked with warning plates placed in appropriate distances and attract the attention of people. All of the barricades, obstacles and marks shall be illuminated from dusk to sunrise.

2.3.2.Safety at Work

It is the responsibility of the Contractor to take necessary precautions to prevent accidents that might

cause damage to persons, materials, equipment and facilities during the work.

The Contractor shall assign a Safety Team under the leadership of an experienced Safety Manager for any kind of work on safety at work. The primary duties of this team shall include but not limited to:

- Training the employees in respect of actions and practices that shall cause accidents or damage, taking precautions in the site that shall at least meet the requirement of "TS 8983 General Safety Precautions that Should be Taken in Structures During Construction", Monitoring whether precautions and warning are obeyed or not,
- Taking additional precautions, warning orally, and giving punishment in the event that faults are detected.
- Stepping in and performing what should be done in the event of a harmful event.

The Contractor shall carry out the works in accordance with the Turkish Health and Safety regulations.

2.3.2.1.First Aid

Shall be arranged in accordance with the applicable Turkish Health and Safety Regulations.

2.3.2.2.Hazardous Substances

When the following are encountered, Works shall be ceased in the section where the event occurs:

- Buried known or unknown toxic substances,
- Unnaturally coloured ground water or soil,
- Asbestos,
- Volatile organic compounds measured with photo ionization detector,
- Chemical substances or oil products or other similar circumstances that are spilt and spread on the site.

Cleaning of the area in such a way not to damage employees and removal of the hazardous substance shall be performed by an expert team trained and equipped for this kind of works.

2.4.QUALITY CONTROL AND QUALITY ASSURANCE

2.4.1.Quality Responsibility

All of the Works shall be performed according to the most appropriate engineering practices and standards in respect of construction, material, equipment and workmanship.

It is the responsibility of the Contractor to control the quality of the work and to take samples and carry out necessary tests in respect of achieving conformity with specifications and approved materials at his own expense. A Quality Control and Quality Assurance Manager to be assigned by the Contractor shall be responsible for all phases of quality control and sustain an efficient communication with the Engineer.

2.4.2.Material Quality and Equivalent Materials

All of the materials and equipment supplied to be used permanently within the scope of the works shall comply with current standards and specifications. The products of other Manufacturers instead of determined materials and equipment shall be accepted on condition that their equivalency is approved by the Engineer. In such events, the Contractor shall submit to the Engineer all of the evidences of the equivalency of the new product.

2.4.3.Quality Control and Quality Assurance Plan

After signature of the Contract, the Contractor shall submit to the Engineer a detailed Quality Control and Quality Assurance Plan within 14 days for approval. The plan shall cover quality control and assurance of all phases of works on the site.

The plan shall include at least the following items and shall be supported by additional information that might be needed by the Engineer.

The Plan shall cover the quality assurance of all aspects of the Works, and contain, as a minimum, the

following items:

- Organization chart for quality control and quality assurance
- List of Contractor's staff to be engaged in quality control and materials testing together with details of their relevant experience
- List of facilities which will be inspected and tested by the Contractor at stages during implementation of the Works as part of his quality control, together with inspection procedures and test types
- Certificates of materials
- Specifications of equipment and work
- Tests
- Relevant certificates on supplied materials
- Detailed checklist for all installations. The checklist shall be for the Contractor's own use, documenting the Contractor's own quality control of the installation.

The Plan may be supplemented with additional items from time to time as requested by the Engineer.

The approved Quality Plan shall be followed throughout the performance of the Contract, unless the Engineer to the contrary issues specific approvals or instructions. Any approval of the Engineer shall not relieve the Contractor of his obligation to ensure that the Works comply with the requirements of the Contract.

Quality assurance records, test certificates, reports and daily records of on-site testing and inspection shall be kept on site during the works, and the results shall be certified by the responsible member of the Contractor's staff.

Quality Control and Assurance Plan shall enter into force after the approval of the Engineer.

2.4.4.Tests Samples, Materials and Equipment

The Contractor shall supply all of the samples including storage, packaging and transportation related to quality control and tests. The materials represented by these samples shall not be manufactured without the approval of the Engineer, brought to work place or used in any work.

Approved material and equipment samples to be used on the site shall be kept carefully under they are permitted to be disposed by the Engineer.

2.4.5.Test Laboratory Services

Quality Control tests shall be done in the laboratory to be established by the Contractor. For the tests that cannot be done in this laboratory, an independent laboratory that is approved by the Engineer shall be used at the expense of the Contractor.

The Contractor shall ensure that both his own laboratory and the independent test laboratory perform the desired material inspection, sample receiving and test processes as fast as possible and conclude them.

Test results shall be immediately submitted to Engineer. In the event of detection of disorders or deficiencies that might affect the Work, the Contractor shall take any kind of corrective precaution immediately.

The laboratory is not authorized to change, expand or invalidate the terms of the Contract.

2.4.6.Examinations and Manufacturer's Tests

The Contractor is responsible for ensuring that quality control and all relevant examinations and tests are carried out duly without taking into account whether they are on Site or in any other place and also for taking corrective precautions when necessary.

The Engineer can audit the work carried out in the Manufacturer Company's facilities and also the tests related to these works. The Contractor shall inform the Engineer on time so that this can be done as

desired.

The manufactured items and materials that are delivered to the Site shall be examined by the Contractor on their arrival and any kind of fault shall be informed to the Engineer. The products with important faults shall be returned to the Manufacturer Company to be amended or replaced.

Examinations and tests carried out by the Engineer or on his behalf do not release the Contractor of his obligations related to quality control.

2.4.7. Construction Site Records and Tests Certificates

Quality Control records, test certificates, reports, daily construction site tests and examination records shall be kept on forms approved by the Engineer.

All of the test certificates and examination records shall be divided into their relevant departments and kept including those in the Manufacturer Company and other test institutions. The processes shall be under the responsibility of qualified personnel of the Contractor and moreover the Contractor shall establish a comprehensive archive and library related to quality control.

The Contractor shall prepare details lists including tests, approvals, orders and delivery information related to quality control and other materials and products depending on approval. These lists shall be submitted to Engineer as they are updated, however once in a month under any circumstance.

Test results shall be delivered to Engineer at the end of the test in respect of determining the necessary precautions, if any. Test certificates, on the other hand, shall be submitted to the Engineer

- When the tests of the Production Plant and Manufacturer Company are completed or not later than 7 days before the date on which products should be used in the Work under any circumstance,
- Within 7 days following the completion of the test for those conducted during or upon completion of the continuous work.

3. ENVIRONMENTAL MANAGEMENT

The Contractor shall comply with the provisions of the applicable Turkish legislation on environment protection that may affect the Project (the "Environmental Requirements").

The Contractor shall take all measures and precautions to avoid any nuisance or disturbance arising from the execution of Project Activities. This shall, wherever possible, be achieved by suppression of the nuisance at source rather than abatement of the nuisance once generated. The Contractor will also be required to compensate for any damage, loss, spoilage, or disturbance of the properties and health of the project affected people during construction. In conformance with the Contract Specifications of which these Environmental Provisions are a part, the Employer reserves the right to withhold payments and/or stop construction in the event of serious or repeated violations of the conditions stipulated herein.

The Contractor shall, at his own expense, obtain, retain in force and renew as necessary all Consents provided for by the Environmental Requirements of the Government of Turkey that are required to enable it to meet its obligations in designing and constructing the Project.

4. PARTICULAR TECHNICAL SPECIFICATIONS

Unless otherwise stated in particular technical specifications, the Contractor shall execute and complete the Works in strict accordance with the last updated editions of;

- Republic of Turkey Ministry of Environment and Urbanization "Construction Works, Civil, Mechanical Works and Electrical Works General Technical Specifications"
- Republic of Turkey General Directorate of Highways "Highways Technical Specifications"
- Union of Chambers of Turkish Engineers and Architects, Chamber of Landscape Architects

Publication; Technical Specifications for Landscape Works

4.1.PARTICULAR TECHNICAL SPECIFICATIONS FOR ARCHITECTURAL WORKS

All goods and materials used in the Works shall comply with international standards (EN, BS or ISO) or those of the appropriate national standards where no other standard is given, for both manufacturing and testing. Where no comment is made against an item, the Contractor shall assume that these standards are to be complied with.

All goods and materials to be provided by the Contractor and incorporated in the Works shall be new, unused, and of the most recent or current design and specification, and incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

The Contractor shall submit to the Engineer a list of his proposed suppliers and sources of materials required for the execution of the Works. Samples shall also be submitted at the request of the Engineer. The Contractor shall get written approval of the Engineer prior to use of the materials.

The materials subsequently supplied shall conform to the quality of samples which have been inspected by the Engineer.

Names of additional suppliers and sources may be submitted by the Contractor during the execution of the Contract, but no source of supply shall be changed without the Engineer's approval.

Materials and components shall be stored in such a manner as to preserve their quality and condition to the standards required by the Contract.

Materials and components shall be handled in such a manner as to avoid any damage or contamination, and in accordance with all applicable recommendations of the manufacturers.

Unless otherwise described in the Contract, the use, installation, application or fixing of materials and components shall be in accordance with all applicable recommendations of the manufacturers. Where appropriate, the Contractor shall make use of any technical advisory services offered by manufacturers.

Granular Sub-base Material (If applicable)

Granular sub-base material shall be natural sands, gravels, crushed rock, crushed slag, and crushed concrete or well burnt non-plastic shale of uniform grading. The material shall be capable of being compacted to achieve a well-knit dense layer and lie within the following grading limits unless stated elsewhere in the Contract. Stones larger than 100 mm shall be removed.

Sieve size	Percentage by mass passing	
	Type 1	Type 2
50 mm	100	100
37.5 mm	85 – 100	85 – 100
10 mm	40 – 70	45 – 100
5 mm	25 – 45	25 – 85
600µm	8 – 22	8 – 40
75µm	0 – 10	0 – 10

Natural sands and gravels shall only be permitted in Type 2 material.

Sub-base material shall be spread evenly in layers not more than 200 mm compacted thickness and compacted to obtain a well-bound surface finish, any loose areas or segregated areas being made good by addition of fines or by removing and replacing with fresh material as directed by the Engineer.

4.2.PARTICULAR TECHNICAL SPECIFICATIONS FOR MECHANICAL AND ELECTRICAL WORKS

The contractor shall be responsible from the materials and the installations until the substantial completion of the work. The contractor is also responsible from installing all the systems present at the building and other structures in an operative condition free of any deficiency and immediately repairing any failures free of cost for 12-month defect liability period, except for the usage faults. If the required repair works cannot be completed within one month, the parts that have not been repaired within this period shall be repaired by the Employer on behalf of the contractor and shall be deducted from the Performance Guarantee of the Contractor.

Prior to commencement of any electrical or mechanical works on site, Contractor shall prepare and submit to Engineer shop drawings showing all related applications and installations which might be in the form of riser diagrams, plans, sections, and similar.

Eye examination

All materials to be used for mechanical installations shall be subject to eye examination by the Engineer to verify that the materials are not broken, rusted, cracked or old.

Functioning examination

All materials to be used for mechanical installations shall be subject to functioning examination through tests without any cost impact to the Employer.

Warranty period

All materials to be used for mechanical installations shall have two (2) years of commercial warranty from the manufacturers starting from substantial completion of works.

ANNEX 2: QUOTATION SUBMISSION FORM

Bidders are requested to complete this form, including the Company Profile and Bidder's Declaration, sign it and return it as part of their quotation along with Annex 3: Technical and Financial Offer. The Bidder shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.

Name of Bidder:	Click or tap here to enter text.	
RFQ reference:	UNDP-TUR-RFQ(KRE)-2021/007	Date: Click or tap to enter a date.

Company Profile

Item Description	Detail
Legal name of bidder or Lead entity for JVs	Click or tap here to enter text.
Legal Address, City, Country	Click or tap here to enter text.
Website	Click or tap here to enter text.
Year of Registration	Click or tap here to enter text.
Legal structure	Choose an item.
Are you a UNGM registered vendor?	<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, insert UNGM Vendor Number
Quality Assurance Certification (e.g. ISO 9000 or Equivalent) <i>(If yes, provide a Copy of the valid Certificate):</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
Does your Company hold any accreditation such as ISO 14001 or ISO 14064 or equivalent related to the environment? <i>(If yes, provide a Copy of the valid Certificate):</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
Does your Company have a written Statement of its Environmental Policy? <i>(If yes, provide a Copy)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
Does your organization demonstrate significant commitment to sustainability through some other means, for example internal company policy documents on women empowerment, renewable energies or membership of trade institutions promoting such issues <i>(If yes, provide a Copy)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is your company a member of the UN Global Compact	<input type="checkbox"/> Yes <input type="checkbox"/> No
Bank Information	Bank Name: Click or tap here to enter text. Bank Address:Click or tap here to enter text. IBAN:Click or tap here to enter text. SWIFT/BIC:Click or tap here to enter text. Account Currency:Click or tap here to enter text. Bank Account Number:Click or tap here to enter text.

Bidder's Declaration

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	Requirements and Terms and Conditions: I/We have read and fully understand the RFQ, including the RFQ Information and Data, Schedule of Requirements, the General Conditions of Contract, and any Special Conditions of Contract. I/we confirm that the Bidder agrees to be bound by them.
<input type="checkbox"/>	<input type="checkbox"/>	I/We confirm that the Bidder has the necessary capacity, capability, and necessary licenses to fully meet or exceed the Requirements and will be available to deliver throughout the relevant Contract period.
<input type="checkbox"/>	<input type="checkbox"/>	Ethics: In submitting this Quote I/we warrant that the bidder: has not entered into any improper, illegal, collusive or anti-competitive arrangements with any Competitor; has not directly or indirectly approached any representative of the Buyer (other than the Point of Contact) to lobby or solicit information in relation to the RFQ ;has not attempted to influence, or provide any form of personal inducement, reward or benefit to any representative of the Buyer.
<input type="checkbox"/>	<input type="checkbox"/>	I/We confirm to undertake not to engage in proscribed practices, , or any other unethical practice, with the UN or any other party, and to conduct business in a manner that averts any financial, operational, reputational or other undue risk to the UN and wehave read the United Nations Supplier Code of Conduct : https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct and acknowledge that it provides the minimum standards expected of suppliers to the UN.
<input type="checkbox"/>	<input type="checkbox"/>	Conflict of interest: I/We warrant that the bidder has no actual, potential, or perceived Conflict of Interest in submitting this Quote orentering a Contract to deliver the Requirements. Where a Conflict of Interest arises during the RFQ process the bidder will report it immediately to the Procuring Organisation's Point of Contact.
<input type="checkbox"/>	<input type="checkbox"/>	Prohibitions, Sanctions: I/We hereby declare that our firm, its affiliates or subsidiaries or employees, including any JV/Consortium members or subcontractors or suppliers for any part of the contract is not under procurement prohibition by the United Nations, including but not limited to prohibitions derived from the Compendium of United Nations Security Council Sanctions Lists and have not been suspended, debarred, sanctioned or otherwise identified as ineligible by any UN Organization or the World Bank Group or any other international Organization.
<input type="checkbox"/>	<input type="checkbox"/>	Bankruptcy: I/We have not declared bankruptcy, are not involved in bankruptcy or receivership proceedings, and there is no judgment or pending legal action against them that could impair their operations in the foreseeable future.
<input type="checkbox"/>	<input type="checkbox"/>	Offer Validity Period: I/We confirm that this Quote, including the price, remains open for acceptance for the Offer Validity.
<input type="checkbox"/>	<input type="checkbox"/>	I/We understand and recognize that you are not bound to accept any Quotation you receive, and wecertify that the goods offered in our Quotation are new and unused.
<input type="checkbox"/>	<input type="checkbox"/>	By signing this declaration, the signatory below represents, warrants and agrees that he/she has been authorised by the Organization/s to make this declaration on its/their behalf.

Signature: _____

Name: Click or tap here to enter text.

Title: Click or tap here to enter text.

Date: Click or tap to enter a date.

ANNEX 3: TECHNICAL AND FINANCIAL OFFER

Bidders are requested to complete this form, sign it and return it as part of their bid along with Annex 2: Quotation Submission Form. The Bidder shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.

Name of Bidder:	Click or tap here to enter text.	
RFQ reference:	UNDP-TUR-RFQ(KRE)-2021/007	Date: Click or tap to enter a date.

A. TECHNICAL OFFER

Technical offer of the bidder shall comprise the following information/sections:

Section 1: a brief description of your qualification and capacity that is relevant to the Scope of Works;

1.1. General organizational capability which is likely to affect implementation: management structure, financial stability and project financing capacity, project management controls, etc.

1.2. Relevance of specialized knowledge and experience on similar engagements done in the region/country.

Note: For demonstrating previous relevant experience, bidders shall use the following table and attach Work Completion Certificate which should include the information recorded in the table at minimum.

Please list only previous similar assignments (i.e. construction of concrete buildings or renovation/repair of existing buildings) successfully completed in the **last 3 years** at a minimum contract amount of USD 50,000.

List only those assignments for which the Bidder was legally contracted by the Client as a company or was one of the Consortium/JV partners. Assignments completed by the Bidder's individual experts working privately or through other firms cannot be claimed as the relevant experience of the Bidder, or that of the Bidder's partners or sub-consultants, but can be claimed by the Experts themselves in their CVs. **The Bidder shall provide proof documents for the claimed experience by presenting copies of relevant documents and references with the Bid.**

Project name & Country of Assignment	Client & Reference Contact Details	Contract Value (in USD equivalent*)	Period of activity and status	Types of activities undertaken

* Bidders shall convert the currency quoted in the "Certificate of Completion" into USD, in accordance with the prevailing UN operational rate of exchange on the contract date stated by "Certificate of Completion". UN operational rate of exchange are available at the following website:
<https://treasury.un.org/operationalrates/OperationalRates.php#E>

Section 2: a brief method statement and implementation plan;

2.1. Description of how the Bidder will complete civil works, keeping in mind the appropriateness to local conditions and project environment.

2.2. Implementation plan including a Gantt Chart or Project Schedule indicating the detailed sequence of activities that will be undertaken and their corresponding timing.

Section 3: Team Composition and CVs of key personnel

3.1. Include an organization chart for the management of the project describing the relationship of key positions and designations.

3.2. Provide CVs for key personnel using the format below. Bidders should also submit the Diplomas of proposed Personnel.

Format for CV of Proposed Key Personnel

Name of Personnel	[Insert]
Position for this assignment	[Insert]
Nationality	[Insert]
Language proficiency	[Insert]
Education/ Qualifications	[Summarize college/university and other specialized education of personnel member, giving names of schools, dates attended, and degrees/qualifications obtained.]
	[Insert]
Professional certifications	[Provide details of professional certifications relevant to the scope of goods and/or services]
	Name of institution: [Insert]
	Date of certification: [Insert]
Employment Record/ Experience	[List all positions held by personnel (starting with present position, list in reverse order), giving dates, names of employing organization, title of position held and location of employment. For experience in last five years, detail the type of activities performed, degree of responsibilities, location of assignments and any other information or professional experience considered pertinent for this assignment.]
	[Insert]
References	[Provide names, addresses, phone and email contact information for two (2) references]
	Reference 1: [Insert]
	Reference 2: [Insert]

I, the undersigned, certify that to the best of my knowledge and belief, the data provided above correctly describes my qualifications, my experiences, and other relevant information about myself.

Signature of Personnel Date (Day/Month/Year)

B. FINANCIAL OFFER**Price Schedule Form / Bill of Quantities**

This Bill of Quantities is an itemized breakdown of the works to be carried out, indicating a quantity for each item and the corresponding unit price. The quantities set out in this Bill of Quantities are estimated quantities.

The amounts due shall be determined through the measurement of the actual quantities of the works executed and by applying the unit rates to the quantities actually executed for the respective items.

The prices inserted in the Bill of Quantities are to be the full inclusive values of the works described under the items, including all costs and expenses which may be required in and for the construction of the works described together with any temporary works and installations which may be necessary, and all general risks, liabilities and obligations set forth or implied in the documents on which the tender is based. It will be assumed that establishment charges, profit and allowances for all obligations are spread evenly over all the unit rates.

No specific payment will be made against transportation of materials to the site.

Unless the technical specifications or the Bill of Quantities specifically and expressly state otherwise, only permanent works are to be measured and paid for by UNDP.

No allowance will be made for loss or wastage of materials or volume thereof during installation, transport or compaction.

UN and its subsidiary organs are exempt from all taxes. Therefore, the prices shall exclude Value Added Tax (VAT). The Contractor to be selected shall not be entitled to receive any amount over the prices in relation to VAT, Special Consumption Tax and any other applicable taxes.

In the bill of quantities, rates and prices shall be entered by the Contractor in the appropriate columns in USD. In the Unit Price column in the Bill of Quantities Unit Rates shall include the overheads. "Overheads" shall be deemed to cover:

- i. Profit
- ii. Head Office charges
- iii. Site Supervision and Site Staff costs and expenses
- iv. Transport of labour and travelling allowances
- v. Use of protective clothing or equipment
- vi. Any statutory or incidental charges levied on the employment of labour
- vii. Overtime, unless specifically ordered or subsequently sanctioned in writing by the Engineer
- viii. Time lost due to inclement weather
- ix. Insurances of whatsoever nature
- x. Holiday and sickness pay or benefits
- xi. Use, repair and sharpening of small tools
- xii. All non-mechanically operated equipment, erected scaffolding, staging and trestles, protective clothing, artificial lighting, storage facilities and the like that may be in general use on the site
- xiii. All other liabilities, obligations, fees, licenses, as applicable.

The works described in this section include all the necessary materials and losses, loading, horizontal and vertical transportation, unloading, workmanship, transportation of material to the site, contractor's profit and general expenses for the successful completion of the specified items.

Whenever item/pose is related to an item/pose number from the official books published by Turkish public institutes, the definition in this specification shall prevail for any inconsistency. In case of vagueness/absence of an issue in the item definition in this specification, the official definition shall prevail for only the vagueness/absence.

The units of measurement used in the items/pose definitions are those of the International System of Units (SI). No other units may be used for measurements, pricing, detail drawings etc. (Any units not mentioned in the technical documentation must also be expressed in terms of the SI.) Abbreviations used are to be interpreted as follows:

m means meter
 m² means square meter
 m³ means cubic meter
 kg means kilogram
 L.S means Lump Sum

Note: Manufacturing descriptions in the bill of quantity were prepared by using the pose descriptions in Ministry of Environment and Urbanisation (MoEU), General Directorate of Foundations (VGM), General Directorate of PTT (PTT), General Directorate of Provincial Bank (İlbank), and TEDAŞ unit price books. Related pose numbers are also indicated for the items along with their descriptions. In case of any dispute between the contractor and UNDP during construction, the poses of any above-mentioned institutions will be based on. In addition, In the technical and financial applications of the above construction poses, the analysis of the poses in the relevant standards of institutions will be considered and implemented too.

Currency of the Quotation: US Dollars					
Section 1: Civil Works					
Item No	Description	UOM	Qty	Unit price	Total price
CIV.01	(MoEU- 15.115.1002) Manual excavation of soft soil (loose soil and topsoil, loose silt, sand and similar other materials) El ile sert toprak kazılması (kil, siltli, kumlu ve gevşek kil, killi kum ve çakıl, kürekle atılabilen taşlı toprak ve benzeri zeminler)	m ³	1,08		
CIV.02	(MoEU- 15.280.1011) Satin gypsum coating of rough plaster surfaces Saten alçı kaplaması yapılması (ortalama 1 mm kalınlık)	m ²	253,28		
CIV.03	(PTT 18.189) Removing natural paving stones, concrete slabs, regular pavements and blockages. Doğal parke taşı, beton plak, adi kaldırım ve blokaj sökülmesi.	m ²	13,15		
CIV.04	(Ilbank -18.194/İB) Removal of all kinds of wooden door leaves and frames and wooden windows Her türlü ahşap kapı kanadı ve kasası ile ahşap pencere sökülmesi	m ²	64,41		
CIV.05	(PTT 18.198/29) Dismantling of all kinds of iron (door, window, window, railing, fence, sheet door frame, etc.) Her türlü demir (kapı, pencere, camekan, korkuluk, parmaklık, sac kapı kasası vb.) imalatın sökülmesi	kg	280,80		
CIV.06	(MoEU 15.465.1004) Installation of cylinder mortise interior and exterior door locks (Wide and Narrow Type) Gömme silindirli iç ve dış kapı kilidinin yerine takılması (Geniş ve dar tip)	NOs	5,00		

CIV.07	(MoEU 15.465.1008) Installation of door handles and panels (Chrome-plated) Kapı kolu ve aynalarının yerine takılması (Kromajlı)	NOs	5,00		
CIV.08	(MoEU 15.465.1010) Installation of hinges Menteşenin yerine takılması	NOs	15,00		
CIV.09	(MoEU 15.465.1118) Installation of plastic-coated, adjustable hinges (pair) Ayarlı menteşe (çift) plastik kaplamalının yerine takılması	NOs	40,00		
CIV.10	(MoEU 15.465.1202) Installation of window bar hardware (including handle), 3-clutches, up to 180 cm İspanyolet takımının yerine takılması (kol dahil) 180 cm'e kadar, 3 kavramalı	NOs	20,00		
CIV.11	(MoEU 15.465.1204) Installation of transom window bar hardware (including handle and folding mechanism) Vasistas ispanyolet takımının yerine takılması (Kol, makas dahil)	NOs	20,00		
CIV.12	(KGM KGM/18.183) Demolition of Cement Mortared Masonry and Horasan Construction Without Using Explosives Patlayıcı Madde Kullanmadan Çimento Harçlı Kargir ve Horasan İnşaatın Yıkılması	m ³	19,44		
CIV.13	(KGM KGM/18.185) Demolishing Ferrous and Non-Ferrous Concrete Construction Without Using Explosives Patlayıcı Madde Kullanmadan Demirli ve Demirsiz Beton İnşaatın Yıkılması	m ³	1,62		

CIV.14	(MoND MSB.661) Making Oval Hilton Sink and Counter with 3 cm Thick Marble Slab 3 cm Kalınlığında Mermer Plaka İle Oval Hilton Lavabo ve Tezgah Yapılması	m ²	1,44		
CIV.15	(MoND MSB.673) Making Stair Steps with Bulancak Smoked Granite Plate Bulancak Füme Granit Plak İle Merdiven Basamağı Yapılması	m	19,50		
CIV.16	(MoND MSB.919/A) Making Laminate Wall Protection Tape Laminat Duvar Koruma Bandı Yapılması	m	112,40		
CIV.17	(MoND MSB.922/A) Making Partition Panel and Door with 13 mm Compact Laminate 13 mm Compact Laminat ile Bölme Panosu ve Kapı Yapılması	m ²	12,20		
CIV.18	(PTT P-022/A) Removing tiles from the wall surface Duvar yüzeyinden fayans sökülmesi	m ²	26,66		
CIV.19	(VGM V.0315/B1) Stone or Marble Step Removal Yonu Taşı Veya Mermer Basamak Sökülmesi	m	5,85		
CIV.20	(VGM V.2212) 8 - 10 mm iron chain 8 - 10 mm'lik demir zinciri	m	9,00		
CIV.21	(MoEU 15.120.1101) Machine excavation of soft and hard soil at any depth and width (Deep excavation) Makine ile her derinlik ve her genişlikte yumuşak ve sert toprak kazılması (Derin kazı)	m ³	3,60		

CIV.22	(MoEU 15.220.1005) Building walls using 190-mm thickness, horizontally perforated bricks (190 x 190 x 135 mm) 190 mm kalınlığında yatay delikli tuğla (190x190x135 mm) ile duvar yapılması	m ²	42,47		
CIV.23	(MoEU 15.185.1011) Making fully-safe exterior wall working scaffold with precast components (0.00 to 51.50 m) Ön yapımlı bileşenlerden oluşan tam güvenli, dış cephe iş iskelesi yapılması. (0,00-51,50 m arası)	m ²	269,04		
CIV.24	(MoEU 15.510.1103) Production and installation of interior door leaves with both surfaces made of pressed wood fiber boards, and with laminate paneling and craft filling Laminat kaplamalı, iki yüzü odun lifinden yapılmış levhalarla (mdf) presli, kraft dolgulu iç kapı kanadı yapılması, yerine takılması	m ²	11,66		
CIV.25	(MoEU 15.550.1001) Production and installation of windows and doors with square and rectangular profiles Kare ve dikdörtgen profillerle pencere ve kapı yapılması ve yerine konulması	kg	140,40		
CIV.26	(MoEU 15.550.1003) Production and installation of 2.00-mm thickness, hot-rolled bent sheet metal door frames 2,00 mm kalınlığında sıcak haddelenmiş sacdan bükme kapı kasası yapılması ve yerine konulması	kg	161,83		

CIV.27	<p>(MoEU 15.455.1001)</p> <p>Production and installation of plastic joinery (Any kind of door, window, paneling and similar other applications of hard PVC joinery profiles) Note: All main and additional profiles should be marked along the profile length at min. 1-meter intervals on spots that are not visible when the window is closed. Marking of the main and additional profiles should contain the following minimum information.</p> <ul style="list-style-type: none"> -The name or trademark of the manufacturer, -The marking and number of this standard (in the form of TS EN12608-1), -Wall thickness class, <p>Production code (e.g. date, etc.) to ensure traceability</p> <p>Plastik doğrama imalatı ve montajı (Sert PVC doğrama profillerinin her türlü kapı, pencere, panel ve benzeri diğer uygulamaları) Not: Tüm ana ve ek profiller profil boyu boyunca min. 1 metrelik aralıklar. Ana ve ek profillerin işaretlenmesi aşağıdaki minimum bilgileri içermelidir.</p> <ul style="list-style-type: none"> - Üreticinin adı veya ticari markası, - Bu standardın işareti ve numarası (TS EN 12608-1 şeklinde), - Duvar kalınlığı sınıfı, izlenebilirliği sağlamak için üretim kodu (ör. Tarih vb.) 	kg	813,62		
CIV.28	<p>(MoEU 15.460.1001)</p> <p>Production and installation of natural-matte and anodized aluminum joinery profiles without thermal insulation</p> <p>Naturel-mat eloksallı profillerle ısı yalıtımsız alüminyum doğrama imalatı yapılması ve yerine konulması</p>	kg	60,84		

CIV.29	(MoEU 15.540.1102) Two layers of anti-rust and two layers of synthetic coating on iron surfaces Demir yüzeylere iki kat antipas, iki kat sentetik boya yapılması	m ²	19,73		
CIV.30	(MoEU 15.540.1205) Applying primer, and two layers of water-based matte coating on surfaces with old paint(interior) Eski boyalı yüzeylere astar uygulanarak iki kat su bazlı mat boya yapılması (iç cephe)	m ²	171,41		
CIV.31	(MoEU 15.540.1207) Applying primer, and two layers of water-based semi-matte coating on surfaces with old paint(interior) Eski boyalı yüzeylere astar uygulanarak iki kat su bazlı yarımat boya yapılması (iç cephe)	m ²	253,28		
CIV.32	(MoEU 15.540.1304) Applying primer and coating on exposed concrete or surfaces with plaster or old paint, using water-based, silicon paint(exterior) Brüt beton, sıvalı veya eski boyalı yüzeylere, astar uygulanarak silikon esaslı su bazlı boya yapılması (dış cephe)	m ²	95,64		
CIV.33	(MoEU 15.540.1401) 1.5-mm thickness colored acrylic-based coating of concrete, plaster and similar other structures Beton, sıva ve benzeri yüzeylere 1,5 mm kalınlıkta akrilik esaslı renkli kaplama yapılması	m ²	95,64		
CIV.34	(MoEU 15.375.1054) Flooring with 3 mm joints using first quality, colored ceramic floor tiles in 42.5 x 42.5 cm or 45 x 45 cm nominal dimensions and with any pattern and surface characteristics(using tile adhesive) (42,5x42,5 cm) veya (45x45 cm) anma ebatlarında, her türlü desen ve yüzey özelliğinde, I.kalite, renkli seramik yer karoları ile 3 mm derz aralıklı döşeme kaplaması yapılması (karo yapıştırıcısı ile)	m ²	12,87		

CIV.35	<p>(MoEU 15.380.1056)</p> <p>Tiling of walls with 3 mm joints using first quality, colored ceramic wall tiles in 20 x 60 cm, 30 x 60 cm or 33 x 60 cm nominal dimensions and with any pattern and surface characteristics (using tile adhesive)</p> <p>(20x60 cm) veya (30x60 cm) veya (33x60 cm) anma ebatlarında, her türlü desen ve yüzey özelliğinde, I.kalite, renkli seramik duvar karoları ile 3 mm derz aralıklı duvar kaplaması yapılması (karo yapıştırıcısı ile)</p>	m ²	62,00		
CIV.36	<p>(MoEU 15.390.1028)</p> <p>Flooring with 3 mm joint gaps using first quality, rectified, glossy, non- glazed porcelain tiles in 60 x 60 cm nominal dimensions and with any color, pattern and surface characteristics (using tile adhesive)</p> <p>60x60 cm anma ebatlarında, rektifiyeli, her türlü renk, desen ve yüzey özelliğinde, I.kalite, parlak, sırsız porselen karo ile 3 mm derz aralıklı döşeme kaplaması yapılması (karo yapıştırıcısı ile)</p>	m ²	247,628		
CIV.37	<p>(MoEU 15.410.1403)</p> <p>Building exterior windowsills with 3-cm thickness, colored marble sheets (3 cm x 30 - 40 - 50 cm x free size) (honed or polished)</p> <p>3 cm kalınlığında renkli mermer levha ile dış denizlik yapılması (3cmx30-40-50 cmxserbest boy) (honlu veya cilalı)</p>	m ²	4,22		
CIV.38	<p>(MoEU 15.410.1503)</p> <p>Building parapets with 3-cm thickness, colored marble sheets (3 cm x 30- 40 - 50 cm x free size) (honed or polished)</p> <p>3 cm kalınlığında renkli mermer levha ile parapet yapılması (3cmx30-40-50 cmxserbest boy) (honlu veya cilalı)</p>	m ²	4,22		
CIV.39	<p>(MoEU 15.275.1105)</p> <p>Applying single layer rough plaster with 350 kg/m³ cement content</p> <p>350 kg çimento dozlu harçla tek kat kaba sıva yapılması</p>	m ²	62,00		

CIV.40	(MoEU 15.250.1101) Application of 2.5-cm thickness screed with 400 kg/m ³ cement content 2.5 cm kalınlığında 400 kg çimento dozlu şap yapılması	m ²	12,87		
CIV.41	(MoEU 15.470.1010) Installation of double-glazed window units with 4+4 mm thickness and 12 mm middle gap on PVC and aluminum joinery with glazing profiles PVC ve alüminyum doğramaya profil ile 4+4 mm kalınlıkta 12 mm ara boşluklu çift camlı pencere ünitesi takılması	m ²	41,14		
TOTAL AMOUNT FOR SECTION 1 CIVIL WORKS					

Currency of the Quotation: US Dollars					
Section 2: Mechanical Works					
Item No	Description	UOM	Qty	Unit price	Total price
MEC.01	(MoEU 071-109) Under-counter or over-counter oval washbasin, 45x55 cm 45x55 cm tezgah altı veya üstü oval lavabo	NOs	3,00		
MEC.02	(MoEU 071-116) 50x60 cm Physically Handicapped Washbasin (The washbasin should be min. 43 cm, max. 49 cm deep.) 50x60 cm Bedensel Engelli Lavabo. (Lavabonun derinliği en az 43 cm, en fazla 49 cm olmalıdır.)	NOs	1,00		
MEC.03	(MoEU 072-601) First grade: (Faucet: TS EN 200 or TS EN 817, Siphon: TS-EN 274- 1-2-3) Birinci sınıf: (Batarya TS EN 200 veya TS EN 817'ye uygun , sifon TS-EN 274-1-2-3)	Set	3,00		

MEC.04	(MoEU 073-202) Approximately 40 x 60 cm Takriben 40x60 cm ayna	NOs	3,00		
MEC.05	(MoEU 074-103) SHELF UNIT (Glazed ceramic) Approximately 50 x 15 cm Extra Class Takriben 50x15 cm Ekstra Sınıf, Fayans camlaşmış çini (dubelle monte edilecek), ETAJERLER	NOs	1,00		
MEC.06	(MoEU 079-100) Approximately 35 x 55 cm (Extra-quality) Takriben 35x55 cm (Ekstra kalite)	Set	1,00		
MEC.07	(MoEU 079-503) Approximately 35 x 70 cm for the physically disabled Extra-quality. (The toilet seat shall be 43 to 48 cm high from the floor) Bedensel engelli için, takriben 35x70 cm Ekstra kalite. (Klozetin oturma yerinin yerden yüksekliği 43 cm ile 48 cm arasında olmalıdır), KENDİNDEN REZERVUARLI AZ SU TÜKETEN ALAFRANGA HELA VE TESİSATI (TS 800 EN 997)	Set	1,00		
MEC.08	(MoEU 091-1000) Foldable handle bar for the disabled: Chrome-plated stainless steel, approximately 800 mm, min. Ø30 mm (prices in installed form shall be decreased by 10% with the installation fee remaining unchanged in case of spray coating instead of chrome plating.) Engelliler için katlanabilir tutunma barı, Krom kaplama paslanmaz çelik, yaklaşık 800 mm, min. Ø30 mm (Krom kaplama yerine spreylendirme kaplama yapılması durumunda montaj ücreti değişmeden takılı halde fiyatlar% 10 düşürülecektir.)	NOs	1,00		

MEC.09	<p>(MoEU 091-700) Handle bar for the disabled: Chrome-plated stainless steel, approximately 600 mm, min. Ø30 mm (prices in installed form shall be decreased by 10% with the installation fee remaining unchanged in case of spray coating instead of chrome plating.)</p> <p>Engelliler için tutunma barı, Krom kaplama paslanmaz çelik, yaklaşık 600 mm, min. Ø30 mm (Krom kaplama yerine spreylendirme yapılması durumunda montaj ücreti değişmeden takılı halde fiyatlar% 10 düşürülecektir.)</p>	NOs	1,00		
MEC.10	<p>(MoEU 091-800) 135° handle bar for the disabled: Chrome-plated stainless steel, approximately 375 x 375 mm, min. Ø30 mm (prices in installed form shall be decreased by 10% with the installation fee remaining unchanged in case of spray coating instead of chrome plating.)</p> <p>Engelliler için 135° tutunma barı, Krom kaplama paslanmaz çelik, yaklaşık 375 x 375 mm, min. Ø30 mm (Krom kaplama yerine spreylendirme yapılması durumunda montaj ücreti değişmeden takılı halde fiyatlar% 10 düşürülecektir.)</p>	NOs	1,00		
MEC.11	<p>(MoEU 25.300.1101/A) Seamed black pipe 1/2 " (Screwed inside the building, 30% added) Dikişli siyah boru 1/2" (Bina içinde vidalı, %30 eklenmiş)</p>	m	10,00		
MEC.12	<p>(MoEU 25.300.1102/D) Seamed black pipe 3/4 "(Outside duct, 15% added) Dikişli siyah boru 3/4" (Bina dışında kanala, %15 eklenmiş)</p>	m	10,00		

MEC.13	<p>(MoEU 25.305.6101/A)</p> <p>Rigid PVC plastic sewage pipe (plug socket, diameter: 50-40 mm, wall thickness 3 mm) (Installation material cost, 35% added)</p> <p>Sert PVC plastik pis su borusu (geçme muflu, çap: 50-40 mm, et kalınlığı 3 mm) (Montaj malzemesi bedeli, %35 eklenmiş)</p>	m	16,00		
MEC.14	<p>(MoEU 25.305.6102/A)</p> <p>Rigid PVC plastic sewage pipe (plug socket, diameter: 75-70 mm, wall thickness 3 mm) (Installation material cost, 35% added)</p> <p>Sert PVC plastik pis su borusu (geçme muflu, çap: 75-70 mm, et kalınlığı 3 mm) (Montaj malzemesi bedeli, %35 eklenmiş)</p>	m	10,00		
MEC.15	<p>(MoEU 25.305.6105/A)</p> <p>Rigid PVC plastic sewage pipe (plug socket, diameter: 160-150 mm, wall thickness 3.2 mm) (Installation material cost, 35% added)</p> <p>Sert PVC plastik pis su borusu (geçme muflu, çap: 160-150 mm, et kalınlığı 3,2 mm) (Montaj malzemesi bedeli, %35 eklenmiş)</p>	m	8,00		
MEC.16	<p>(MoEU 25.104.1003)</p> <p>Approximately 50x70-cm accessible mirrors Supply and installation of adjustable-tilt, accessible mirrors with 304-quality stainless steel frame.</p> <p>Engelli kullanımına uygun takriben 50x70 cm. ayna</p> <p>304 kalite paslanmaz çelik çerçeveli, ayarlanabilir eğimli, erişilebilir aynaların temini ve montajı.</p>	NOs	1,00		
TOTAL AMOUNT FOR SECTION 2 MECHANICAL WORKS					

Currency of the Quotation: US Dollars					
Section 3 - Electrical Works					
Item No	Description	UOM	Qty	Unit price	Total price
ELC.01	<p>(MoEU 700-2205)</p> <p>Flush-mounted galvanized steel electric panels Supply, transportation to the work site and installation, and delivery in working order including any material, terminal blocks and labor of a flush-mounted galvanized steel enclosure that is minimum 150 mm deep and is equipped with a galvanized fixing frame for wall mounting and identical with Unit price no. 35.100.2100 in terms of other specifications.</p> <p>No. 35.100.2100. Note: The enclosures shall be manufactured in compliance with the 2014/35/EU Low Voltage Directive (LVD) and TS EN 61439-1/2 standards, and released with the CE compliance marking. The degree of protection of enclosures against mechanical impact shall be minimum IK 08 in accordance with the TS EN 62262 standard. "Type tests" shall be run as per the standards of TS EN 61439-1/2, and the results of such tests shall be submitted to the Administration.</p> <p>From 0.40 to 0.50 m² (including 0.50 m²)</p> <p>Sıva altı galvanizli çelik elektrik panoları</p> <p>Minimum 150 mm derinliğe sahip sıva altı galvanizli çelik muhafazanın her türlü malzeme, klemens ve işçilik dahil olmak üzere şantiyeye temini, nakliyesi ve montajı ve çalışır vaziyette teslimi ve duvara montaj için galvanizli sabitleme çerçevesi ile donatılmıştır ve Birim fiyat no. 35.100.2100 diğer şartnamelere göre. Birim: Birim Fiyat ile Özdeş No. 35.100.2100. Not: Muhafazalar 2014/35 / EU Alçak Gerilim Direktifi (LVD) ve TS EN 61439-1 / 2 standartlarına uygun olarak üretilecek ve CE uygunluk işareti ile piyasaya sürülecektir. Mahfazaların mekanik darbelere karşı koruma derecesi TS EN 62262 standardına göre minimum IK 08 olacaktır. TS EN 61439-1 / 2 standartlarına göre "tip deneyleri" yapılacak ve bu deneylerin sonuçları İdare'ye sunulacaktır. 0,40 ila 0,50 m² (0,50 m² dahil)</p>	NOs	1,00		

ELC.02	<p>(MoEU 718-509)</p> <p>Residual current circuit breakers:</p> <p>Supply, installation, and delivery in working order, including any material and labor, of a residual current circuit breaker designed in compliance with the Regulations, specifications, and standards on Internal Electrical Installation and released in compliance with the TS EN 61008-1, TS EN 61008-2-1 standards and with a CE compliance marking, which, in case of any residual current in electrical installation, detects the faulty current on the phases and neutral line and breaks the circuit in 10-30 seconds to ensure safety of life and property, features a differential coil that steps in at 220V for single-phase circuits, and at 380 V for 3-phase circuits, and a test button for testing whether the system is functioning, which is available for installation on the carriage rails, protected against external effects, can continue on working at 30mA for life protection and 300 mA for fire protection even if neutral line breaks down. Up to 4 x 63 A (30 Ma)</p> <p>Kaçak akım devre kesicileri:</p> <p>TS EN 61008-1, TS EN 61008-2-1, TS'ye uygun olarak piyasaya sürülen ve Dahili Elektrik Tesisatı Yönetmeliği, şartnamesi ve standartlarına uygun olarak tasarlanan artık akım devre kesicisinin malzeme ve işçilik dahil her türlü malzeme ve işçilik dahil çalışır durumda temini, montajı ve teslimatı EN 61008-2-1 standartları ve elektrik tesisatında herhangi bir kaçak akım olması durumunda fazlardaki ve nötr hattındaki hatalı akımı tespit eden ve can güvenliğini sağlamak için 10-30 saniyede devreyi kesen CE uygunluk işareti amla özellik, tek fazlı devreler için 220 V'ta ve 3 fazlı devreler için 380 V'ta devreye giren bir diferansiyel amla ve amla c çalışıp çalışmadığını test etmek için bir test düğmesi içerir; Dış etkilere karşı korumalı, nötr hat kopsa bile can koruması için 30 Ma ve yangından korunma için 300 Ma ile çalışmaya devam edebilir. 4 x 63 A'ya (30 Ma) kadar</p>	NOs	1,00		
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ELC.03	<p>(MoEU 724-401)</p> <p>Miniature Circuit Breakers (with 3-Ka breaking capacity): Supply and installation, including any material and labor, of an automatic circuit breaker with 3-Ka short-circuit breaking capacity, 2 and 4 pole versions of which are capable of breaking neutral and phase lines, B or C curve, which was manufactured in compliance with the TS 5018-1 EN 60898-1 standards and released with CE compliance marking, and which also functions as a switch</p> <p>Up to 16 A (3 Ka)</p> <p>Minyatür Devre Kesiciler (3-Ka kesme kapasiteli):</p> <p>2 ve 4 kutuplu versiyonları nötr ve faz hatlarını, B veya C eğrisini kesebilen 3 Ka kısa devre kesme kapasiteli otomatik devre kesicinin her türlü malzeme ve işçilik dahil tedarik ve montajı. TS 5018-1 EN 60898-1 standartlarına uygunluk ve CE uygunluk işareti ile yayınlanmış ve aynı zamanda anahtar işlevi gören 16 A'ya (3 Ka) kadar</p>	NOs	4,00		
ELC.04	<p>(MoEU 724-402)</p> <p>25 A'e kadar (3 Ka), Anahtarlı Otomatik Sigortalar (3 Ka kesme kapasiteli)</p> <p>Up to 25 A (3 Ka) Up to 25 A (3 Ka), Switched Automatic Fuses (3 Ka breaking capacity)</p>	NOs	4,00		
ELC.05	<p>(MoEU 724-402/1)</p> <p>40 A'e kadar (3 Ka), Anahtarlı Otomatik Sigortalar (3 Ka kesme kapasiteli) (TS 5018-1 EN 60898-1)</p> <p>Up to 40 A (3 Ka) Up to 40 A (3 Ka), Switched Automatic Fuses (3 Ka breaking capacity) (TS 5018-1 EN 60898-1)</p>	NOs	1,00		
ELC.06	<p>(MoEU 724-407)</p> <p>Üç fazlı 40 A'e kadar (3 Ka), Anahtarlı Otomatik Sigortalar (3 Ka kesme kapasiteli)</p> <p>3-phase, Up to 40 A (3 Ka) Three phase up to 40 A (3 Ka), Switched Automatic Fuses (3 Ka breaking capacity)</p>	NOs	1,00		
ELC.07	<p>(MoEU 724-408)</p> <p>Üç fazlı 63 A'e kadar (3 Ka), Anahtarlı Otomatik Sigortalar (3 Ka kesme kapasiteli)</p> <p>3-phase, Up to 63 A (3 Ka) Three phase up to 63 A (3 Ka), Switched Automatic Fuses (3 Ka breaking capacity)</p>	NOs	1,00		

ELC.08	<p>(MoEU 725-721)</p> <p>3-Phase, Hour-Tariff Electronic Energy Meters</p> <p>Supply, transportation to the work site, installation and connection, and delivery in working order, of a TEDAŞ-approved, 3-phase, four-wire electronic active meter with backlit digital display with six integer and two decimal places, a real-time clock of 100 years on the circuit of the meter, and time tariff and its base, which shall be in compliance with the standards TS EN 62053-21 and TS 62052- 11 as well as Directive (76/891/EEC) on Metering Instruments and Electric Energy Meters, awarded a brand registration certificate</p> <p>by the Ministry of Science, Industry and Technology, capable of metering in maximum two accuracy classes in its designated current and voltage ranges, rated for an operating frequency of 50 Hz, capable of exchanging information with the meter as per the TS EN62056-21 standard and of dividing a day into eight different time spans in minute-level precision based on the program of the meter, and manufactured as dustproof and waterproof in IP 51 degree of protection (TS EN60529).</p> <p>3 x 230 / 400V..3 x 10 (60) A</p> <p>3 Fazlı, Saat Tarife Elektronik Enerji Sayaçları: (Birim: Miktar; Şantiyedeki malzemeler:% 60)</p> <p>TEDAŞ onaylı, 3 fazlı, dört telli elektronik aktif sayacın altı tam sayı ve iki ondalık basamaklı arkadan aydınlatmalı dijital göstergeli, gerçek zamanlı olarak tedariki, şantiyeye taşınması, kurulumu ve bağlantısı ve çalışır durumda teslimi</p> <p>Sayaç devresindeki 100 yıllık saat, TS EN 62053-21 ve TS 62052- 11 standartları ile Ölçü Aletleri Direktifi (76/891 / EEC) ile uyumlu olacak zaman tarifi ve tabanı ve Elektrik Enerjisi Sayaçları marka tescil belgesi aldı Bilim, Sanayi ve Teknoloji Bakanlığı tarafından belirlenen akım ve gerilim aralıklarında maksimum iki doğruluk sınıfında ölçüm yapabilen, 50 Hz çalışma frekansı için derecelendirilmiş, TS EN 62056-21 uyarınca sayaç ile bilgi alışverişi yapabilen Standart ve bir günü, sayaç programına göre dakika düzeyinde hassasiyette sekiz farklı zaman aralığına ayıran, IP 51 koruma derecesinde (TS EN 60529) toz geçirmez ve su geçirmez olarak üretilmektedir. 3 x 230 / 400V. 3 x 10 (60) A</p>	NOs	1,00		
ELC.09	<p>(MoEU 726-105)</p> <p>Including any material and labor for installation in the same pipe as the principal feeder line in the installation with PVC pipes,</p> <p>25 mm² Bare stranded or solid copper wire</p> <p>Topraklama hattı-25 mm² Çıplak örgülü veya dolu bakır tel, Peşel, bergman veya PVC borulu tesisatta esas kolon hattı ile aynı boru içinde çekildiğine göre her nevi malzeme temini ve işçilik dahil</p>	m	25,00		

ELC.10	<p>(MoEU 727-525) Installation of column and supply lines with 1-KV, underground YVV (NYY) cables Installation of column and supply lines with 1-KV, underground YVV (NYY) cables in compliance with TS IEC 60502-1+A1 standards. Supply to the workplace, including cable bushings and escape pipes, any other material and labor, of underground cables for installation on plaster, on walls and ceilings through consoles or clips, or through conduits inside the building, and through conduits outside the building. Unit: The length of the cable between terminal boxes and terminal caps shall be considered. Multiple cables installed in the same conduit shall be housed in cable ducts or pipes in the diameter and length required for each cable at the locations of passage. The terminal boxes, caps, junction boxes, consoles, and conduits shall be paid separately. Iron structures shall be paid per the Item No. Y.23.176. No additional charge shall apply for passage ducts and pipes up to 10 meters long. Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union. 4 x 10 mm²</p> <p>1-KV, yer altı YVV (NYY) kabloları ile kolon ve besleme hatlarının montajı:</p> <p>TS IEC 60502-1 + A1 standartlarına uygun 1-KV, yer altı YVV (NYY) kabloları ile kolon ve besleme hatlarının montajı. Kablo burçları ve kaçış dahil işyerine besleme siva üzerine, duvarlara ve tavanlara konsollar veya klipsler yoluyla veya bina içindeki borulardan ve bina dışındaki borulardan döşenecek yer altı kablolarının boruları, diğer malzeme ve işçilik. Birim: Terminal kutuları ile terminal kapakları arasındaki kablonun uzunluğu dikkate alınacaktır. Aynı kanala monte edilen birden fazla kablo, geçiş yerlerinde her bir kablo için gerekli çap ve uzunluktaki kablo kanallarına veya borulara yerleştirilecektir. Terminal kutuları, kapaklar, buatlar, konsollar ve borular ayrıca ödenecektir. Demir konstrüksiyonlar Y.23.176 Madde uyarınca ödenecektir. 10 metreye kadar olan geçiş kanalları ve borular için ek ücret uygulanmayacaktır. Not: Ürün, TS EN 50575 ve TS EN 50575 / A1 standartlarına, 305/2011 sayılı Yapı Malzemeleri - CPR Yönetmeliğine uygun olarak üretilecek, CE işareti ile çıkacak ve imalatçı beyanı bulunacaktır. Avrupa Birliği tarafından akredite edilmiş bir kuruluş tarafından verilen performans ve Performans Değişmezliği Sertifikası. 4 x 10 mm²</p>	m	40,00		
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ELC.11	<p>(MoEU 739-101)</p> <p>INSTALLATION OF HOLLOW PIPES: Supply, installation, including any material and labor, of PVC hollow pipes compliant with the TS EN 61386-1, TS EN 61386-21, TS EN 61386- 22 standards, on the reinforced concrete ceilings and walls, and laying a guide wire in the pipe.</p> <p>16-20 mm PVC pipe</p> <p>İÇİ BOŞ BORULARIN MONTAJI: (Birim: m)</p> <p>Betonarme üzerine TS EN 61386-1, TS EN 61386-21, TS EN 61386- 22 standartlarına uygun PVC içi boş boruların temini, her türlü malzeme ve işçilik dahil montajı tavanlar ve duvarlar ve boruya bir kılavuz tel döşenmesi. 16-20 mm PVC boru</p>	m	200,00		
ELC.12	<p>(MoEU 739-201)</p> <p>INSTALLATION OF HALOGEN-FREE FLAME-RETARDENT PIPES: (Unit: m) Supply, installation, including any material and labor, of halogen-free (HF) and flame-retardant (FR) pipes compliant with the TS EN 61386-1, TS EN 61386-21, TS EN 61386- 22 standards, on the reinforced concrete ceilings and walls, and laying a guide wire in the pipe.</p> <p>16-20 mm PE HFFR pipe</p> <p>HALOJENSİZ ALEV GECİKTİRİCİ KURULUMU BORULAR: (Birim: m) Her türlü malzeme dahil tedarik, kurulum betonarme tavan ve duvarlarda TS EN 61386-1, TS EN 61386-21, TS EN 61386- 22 standartlarına uygun halojensiz (HF) ve alev geciktirici (FR) boruların işçiliği ve döşenmesi boruda bir kılavuz tel. 16-20 mm PE HFFR boru</p>	m	200,00		
ELC.13	<p>(MoEU 742-1101)</p> <p>Surface-mounted LED ceiling fixtures sized minimum 30x30 (with minimum 1000 lm light flux, and maximum 12 w consumption).</p> <p>Sıva üstü, min. 30x30 ebatların'a LED'li tavan armatürü (ışık akısı en az 1.000 lm, tüketim değeri en fazla 12 W olan)</p>	NOs	18,00		
ELC.14	<p>(MoEU 742-1351)</p> <p>Minimum 1800 lm light flux, maximum 20 W consumption (minimum IP 40 degree of protection).</p> <p>Işık akısı en az 1.800 lm, tüketim değeri en fazla 20 W olan (en az IP 40 koruma derecesine sahip olan), LED Glop Armatür</p>	NOs	5,00		

ELC.15	<p>(MoEU 792-101)</p> <p>Lighting outlet line with halogen-free cable:</p> <p>Installation of surface- mounted or flush-mounted lighting outlet lines (not including the fixtures), including the labor, and supply and transportation to the work site, of junction boxes, terminal blocks, switches, fixtures, fixing blocks and any material, with minimum 2.5-mm² service lines and 1.5-mm² outlet lines, phase and neutral conductors colored per TS 6249 and plastic-insulated (HO7Z, O7Z1), which shall be laid through halogen- free, flame-retardant pipes. Compliance with the TS EN 60332-1-2, TS EN 60754-1/2 and TS EN 61034-2 standards is required. No price difference shall be charged for thicker walls. (Halogen-free, flame-retardant pipe outlets complying with the standards TS EN 61386-1, IEC60754, awarded UL test certificates, VDE or applicable international certificates and bearing CE marking shall be included in the price) Note: The item shall be manufactured in compliance with the TS EN 50575 and TS EN 50575/A1 standards, the Regulation (EU) No.305/2011 Construction Products - CPR, released with a CE marking, and the manufacturer shall have a declaration of performance and Certificate of Constancy of Performance issued by an organization accredited by the European Union.</p> <p>Single switch outlet branch</p> <p>Halojensiz kablolu aydınlatma çıkış hattı:</p> <p>Sıva üstü veya sıva altı aydınlatma çıkış hatlarının (armatürler hariç) işçilik dahil montajı, tedarik ve nakliyesi minimum 2,5 mm² servis hatları ve 1,5 mm² çıkış hatları, faz ve nötr iletkenleri TS 6249'a göre renklendirilmiş ve plastik izolasyonlu (HO7Z, O7Z1), halojensiz, alev geciktirici borularla döşenecektir. TS EN 60332-1-2, TS EN 60754-1 / 2 ve TS EN 61034-2 standartlarına uygunluk gereklidir. Daha kalın duvarlar için fiyat farkı uygulanmayacaktır. (Halojensiz, alev geciktirici, TS EN 61386-1, IEC60754 standartlarına uygun, UL test sertifikalı, VDE veya ilgili uluslararası sertifikalı, CE işaretli boru çıkışları fiyata dahil edilecektir) Not: Ürün imal edilecektir. TS EN 50575 ve TS EN 50575 / A1 standartlarına uygun olarak, 305/2011 sayılı Yapı Ürünleri - CPR Yönetmeliği, CE ile yayımlanmıştır. ve imalatçı, Avrupa Birliği tarafından akredite edilmiş bir kuruluş tarafından verilen bir performans beyanına ve Performans Değişmezliği Sertifikasına sahip olacaktır. Tek anahtarlı çıkış dalı</p>	NOs	3,00		
ELC.16	<p>(MoEU 792-102)</p> <p>Dual switch outlet branch</p> <p>Komütatör Sorti, Halogenfree kablolu aydınlatma sortisi</p>	NOs	7,00		

ELC.17	(MoEU 792-104) Parallel Outlet Branch Paralel Sorti, Halogenfree kablolu aydınlatma sortisi	NOs	11,00		
ELC.18	(MoEU 793-102) Power socket outlet branch for the security line. Güvenlik hattı priz sortisi, Priz sortisi	NOs	24,00		
ELC.19	(MoEU 35.750.4002) Earth electrode (bar) electrolytic copper Supply to the work site of a min 3.5-meter electrolytic copper bar in compliance with the TS 435/T1 standard, Ø20 mm in diameter, screw-mounting of a tapered head on one end to facilitate driving the bar into the ground, supply of the attachment with 4 cm threads if the bar is made up of two pieces, burying the bar min. 60 cm in the ground, connection to the drop conductors and surrounding conductors of the building by silver soldering or special bronze cast retaining clamps, including any small material and labor. Note: If the ground is rocky, appropriate soil shall be sought around that area. Toprak elektrodu (bar) elektrolitik bakır Çalışma sahasına TS 435 / T1 standardına uygun, Ø20 mm çapında, minimum 3,5 metrelik elektrolitik bakır çubuğun temini, çubuğun zemine sürülmesini kolaylaştırmak için bir ucuna konik başlığın vidalanması, Çubuk iki parçadan oluşuyorsa 4 cm ipliklerle ek, çubuğu gömme min. Zeminde 60 cm, gümüş lehimleme veya her türlü küçük malzeme ve işçilik dahil olmak üzere özel bronz döküm tutma kelepçeleri ile binanın damla iletkenlerine ve çevresindeki iletkenlere bağlantı. Not: Zemin kayalıksa, o alan çevresinde uygun toprak aranacaktır.	NOs	1,00		
ELC.20	(MoND MSB.136) Channeling and Laying with Mortar for Laying Electrical and Telephone Pipes in Existing Walls Mevcut Duvar İçinde Elektrik ve Telefon Borularının Döşenmesi için Kanal Açılması ve Harçla Döşenmesi	m	50,00		
TOTAL AMOUNT FOR SECTION 3 ELECTRICAL WORKS					

Currency of the Quotation: US Dollars					
Section 4 - Storage Container					
Item No	Description	UOM	Qty	Unit price	Total price
CON.01	<p>Building a warehouse from a 3x7m container (including Basic and Electrical Works)</p> <p>3x7m boyutlarında Konteynerden depo yapılması (Temel ve Elektrik İmalatları dahil)</p> <p>Specifications:</p> <p>EXTERIOR WALLS: 50mm H=2640mm (Indoor height H=2360mm)</p> <p>EXTERIOR WALL SYSTEM: 50mm POLYURETHANE (38-40kg/m3) (fire rating B1)</p> <p>SANDWICH PANEL CLADDING (exterior surface of sheet metal thickness 0.50 mm (0.45 mm raw materials +0.02mm zinc + 0.03mm paint). Both sides of sandwich panel will be painted RAL 9002</p> <p>INTERIOR WALL SYSTEM: 50mm (38-40kg/m3) (fire rating B1) (exterior surface of sheet metal thickness 0.50 mm (0.45 mm raw materials +0.02mm zinc + 0.03mm paint) Both sides of sandwich panel will be painted RAL 9002. Inner side will have rough surface.</p> <p>FRAME :3mm thickness sheet metal</p> <p>BASE: At the bottom, 0.50 mm thickness, galvanized corrugated steel sheet subframe</p> <p>CEILING: 0.50 mm thickness, galvanized corrugated steel sheet will be mounted on 40x60x2mm RHS structure. Rainwater from the roof to be drained into free flowing.</p> <p>Ceiling finish will be 0.50 mm thickness sheet metal.</p> <p>INSULATION: 100mm 14 kg/m3 glass-wool (Insulation density should be selected according to mechanical calculating)</p> <p>PLUMBING</p> <p>PIPES AND FITINGS: Clean water pipes and fittings (pprc) will be hard plastic material. All installations should be left exposed.</p> <p>DOORS AND WINDOWS</p> <p>1. DOORS</p> <p>DOOR FRAME: 1.20 mm Galvanized sheet metal which has electrostatic powder coated will be processed cold forming under pressure. Door will be american panel.</p> <p>EXTERIOR DOOR: White painted sheet metal door (one leaf)</p> <p>WC DOORS: White PVC door (one leaf)</p> <p>GENERAL</p> <ul style="list-style-type: none"> • Electrical installation will be exposed. • Electrical installation 220v • Sockets 220V • All sockets should be earthing. • Sockets should be mounted 50cm high from the floor. • Electric panel boards entrance should have automatic switch (w-otomat) • All used material should have TSE certificate <p>1. LIGHTING</p> <ul style="list-style-type: none"> • Lights should be energy saving globe according to Necessary lighting violence • C type globe light should be used above the exterior door. <p>2. WIRING</p> <ul style="list-style-type: none"> • için 2x1,5 mm2 NYM /2X2,5mm2 NYM and 1,5mm2 NYA wire should be used for lighting installation • 3x2,5 mm2 NYM wire should be used for socket installation • 16x25mm2 pvc cable duct should be used for Inner installation line and wiring outlet <p>Wet floors</p> <p>WINDOWS: According to the window dimensions of the project; PVC frame and 4+12+4mm glass unit will be used for all exterior windows.</p>	L.S,	1		
TOTAL AMOUNT FOR SECTION 4 STORAGE CONTAINER					

SUMMARY TABLE:

<u>Section #</u>	<u>Description</u>	<u>TOTAL PRICE (USD)</u>
<u>1</u>	<u>Civil Works</u>	
<u>2</u>	<u>Mechanical Works</u>	
<u>3</u>	<u>Electrical Works</u>	
<u>4</u>	<u>Storage Container</u>	
<u>TOTAL ESTIMATED PRICE (Section 1 + Section 2 + Section 3 + Section 4)</u>		

Compliance with Other Requirements

	You Responses		
	Yes, we will comply	No, we cannot comply	If you cannot comply, pls. indicate counter-offer
Minimum Technical Specifications and requirements stipulated in the Bill of Quantities and Schedule of Requirements	<input type="checkbox"/>	<input type="checkbox"/>	Click or tap here to enter text.
Substantial Completion of works (60 calendar days after given access to the site)	<input type="checkbox"/>	<input type="checkbox"/>	Click or tap here to enter text.
Validity of Quotation (60 calendar days following offer submission deadline)	<input type="checkbox"/>	<input type="checkbox"/>	Click or tap here to enter text.
Payment terms	<input type="checkbox"/>	<input type="checkbox"/>	Click or tap here to enter text.

I, the undersigned, certify that I am duly authorized to sign this quotation and bind the company below in event that the quotation is accepted.

<i>Exact name and address of company</i> Company Name: Address: Phone No.: Email Address:	Authorized Signature: Date: Name: Functional Title of Authorised Signatory: Email Address:
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