# Section 6: Returnable Bidding Forms / Checklist

This form serves as a checklist for preparation of your Bid. Please complete the Returnable Bidding Forms in accordance with the instructions in the forms and return them as part of your Bid submission. No alteration to format of forms shall be permitted and no substitution shall be accepted.

Before submitting your Bid, please ensure compliance with the Bid Submission instructions of the BDS 22.

**Technical Bid:**

|  |  |
| --- | --- |
| **Have you duly completed all the Returnable Bidding Forms?**  |  |
| * Form A: Bid Submission Form
 | [ ]  |
| * Form B: Bidder Information Form
 | [ ]  |
| * Form C: Joint Venture/Consortium/ Association Information Form
 | [ ]  |
| * Form D: Qualification Form
 | [ ]  |
| * Form E: Format of Technical Bid/Bill of Quantities
 | [ ]  |
| * From G: Form of Bid Security
 |  |
| **Have you provided the required documents to establish compliance with the evaluation criteria in Section 4?**  | [ ]  |

**Price Schedule:**

|  |  |
| --- | --- |
| * Form E: Price Schedule Form
 | [ ]  |

##

## Form A: Bid Submission Form

|  |  |  |  |
| --- | --- | --- | --- |
| Name of Bidder: | [Insert Name of Bidder] | Date: | Select date |
| ITB reference: | [Insert ITB Reference Number] |

We, the undersigned, offer to complete civil works [Insert Title of lots] in accordance with your Invitation to Bid No. UNDP-TUR(MC2)-2019/01and our Bid. We hereby submit our Bid, which includes this Technical Bid and Price Schedule.

Our attached Price Schedule is for the sum of [Insert amount in words and figures and indicate currency] [for LOT 1; Construction of Waste Transfer Station in Kırıkhan/Hatay]

Our attached Price Schedule is for the sum of [Insert amount in words and figures and indicate currency] [for LOT 2; Construction of Waste Transfer Station in Yayladağ/Hatay]

We hereby declare that our firm, its affiliates or subsidiaries or employees, including any JV/Consortium /Association members or subcontractors or suppliers for any part of the contract:

1. 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;
2. 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;
3. have no conflict of interest in accordance with Instruction to Bidders Clause 4;
4. do not employ, or anticipate employing, any person(s) who is, or has been a UN staff member within the last year, if said UN staff member has or had prior professional dealings with our firm in his/her capacity as UN staff member within the last three years of service with the UN (in accordance with UN post-employment restrictions published in ST/SGB/2006/15);
5. 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;
6. undertake not to engage in proscribed practices, including but not limited to corruption, fraud, coercion, collusion, obstruction, 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 weembrace the principles of the United Nations Supplier Code of Conduct and adhere to the principles of the United Nations Global Compact.

We declare that all the information and statements made in this Bid are true and we accept that any misinterpretation or misrepresentation contained in this Bid may lead to our disqualification and/or sanctioning by the UNDP.

We offer to complete works in conformity with the Bidding documents, including the UNDP General Conditions of Contract and in accordance with the Schedule of Requirements and Technical Specifications.

Our Bid shall be valid and remain binding upon us for the period specified in the Bid Data Sheet.

We understand and recognize that you are not bound to accept any Bid you receive.

I, the undersigned, certify that I am duly authorized by [Insert Name of Bidder] to sign this Bid and bind it should UNDP accept this Bid.

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[*Stamp with official stamp of the Bidder*]

## Form B: Bidder Information Form

|  |  |
| --- | --- |
| **Legal name of Bidder** | [Complete] |
| **Legal address** | [Complete] |
| **Year of registration** | [Complete] |
| **Bidder’s Authorized Representative Information** | Name and Title: [Complete] Telephone numbers: [Complete]Email: [Complete] |
| **Are you a UNGM registered vendor?** | [ ]  Yes [ ]  No If yes, [insert UGNM vendor number]  |
| **Are you a UNDP vendor?** | [ ]  Yes [ ]  No If yes, [insert UNDP vendor number]  |
| **Countries of operation** | [Complete] |
| **No. of full-time employees** | [Complete] |
| **Quality Assurance Certification (e.g. ISO 9000 or Equivalent)** *(If yes, provide a Copy of the valid Certificate):* | [Complete] |
| **Does your Company hold any accreditation such as ISO 14001 or ISO 14064 or equivalent related to the environment?** *(If yes, provide a Copy of the valid Certificate):* | [Complete] |
| **Does your Company have a written Statement of its Environmental Policy?** *(If yes, provide a Copy)* | [Complete] |
| **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** | [Complete] |
| **Is your company a member of the UN Global Compact**  | [Complete] |
| **Contact person that UNDP may contact for requests for clarifications during Bid evaluation**  | Name and Title: [Complete]Telephone numbers: [Complete]Email: [Complete] |
| **Please attach the following documents:**  | * Company Profile, which should not exceed fifteen (15) pages,
* Certificate of Incorporation/ Business Registration
* Tax Registration/Payment Certificate issued by the Internal Revenue Authority evidencing that the Bidder is updated with its tax payment obligations, or Certificate of Tax exemption, if any such privilege is enjoyed by the Bidder
* Trade name registration papers, if applicable
* Power of Attorney.
* Official Letter of Appointment as local representative, if Bidder is submitting a Bid on behalf of an entity located outside the country
 |

## Form C: Joint Venture/Consortium/Association Information Form

|  |  |  |  |
| --- | --- | --- | --- |
| Name of Bidder: | [Insert Name of Bidder] | Date: | Select date |
| ITB reference: | [Insert ITB Reference Number] |

To be completed and returned with your Bid if the Bid is submitted as a Joint Venture/Consortium/Association.

|  |  |  |
| --- | --- | --- |
| **No** | **Name of Partner and contact information** *(address, telephone numbers, fax numbers, e-mail address)* | **Proposed proportion of responsibilities (in %) and type of goods and/or services to be performed**  |
| 1 | [Complete] | [Complete] |
| 2 | [Complete] | [Complete] |
| 3 | [Complete] | [Complete] |

|  |  |
| --- | --- |
| **Name of leading partner** (with authority to bind the JV, Consortium, Association during the ITB process and, in the event a Contract is awarded, during contract execution) | [Complete] |

We have attached a copy of the duly notarized JV/Consortium/Association agreement, which details the likely legal structure of and the confirmation of joint and severable liability of the members of the said joint venture.

We hereby confirm that if the contract is awarded, all parties of the Joint Venture/Consortium/Association shall be jointly and severally liable to UNDP for the fulfillment of the provisions of the Contract.

|  |  |
| --- | --- |
| Name of partner: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  | Name of partner: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|  |  |
| Name of partner: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Name of partner: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

## Form D: Eligibility and Qualification Form

|  |  |  |  |
| --- | --- | --- | --- |
| Name of Bidder: | [Insert Name of Bidder] | Date: | Select date |
| ITB reference: | [Insert ITB Reference Number] |

**History of Non- Performing Contracts**

|  |
| --- |
| [ ] Non-performing contracts did not occur during the last 3 years. (reference period to be taken into account: from April 1, 2016 to April 1, 2019) |
| [ ]  Contract(s) not performed in the last 3 years. (reference period to be taken into account: from April 1, 2016 to April 1, 2019) |
| **Year** | **Non- performed portion of contract** | **Contract Identification** | **Total Contract Amount** (current value in US$) |
|   |  | Name of Client: Address of Client: Reason(s) for non-performance: |  |

**Litigation History** (including pending litigation)

|  |
| --- |
| [ ]  No litigation history for the last 3 years. (reference period to be taken into account: from April 1, 2016 to April 1, 2019) |
| [ ]  Litigation History as indicated below |
| **Year of dispute**  | **Amount in dispute** (in US$) | **Contract Identification** | **Total Contract Amount** (current value in US$) |
|   |  | Name of Client: Address of Client: Matter in dispute: Party who initiated the dispute: Status of dispute:Party awarded if resolved: |  |

**Previous Relevant Experience**

Please list only previous similar assignments successfully completed in the **last 3 years**. (reference period to be taken into account: from April 1, 2016 to April 1, 2019)

List only those assignments for which the Bidder was legally contracted or sub-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

*Bidders may also attach their own Project Data Sheets with more details for assignments above.*

[ ]  Attached are the Statements of Satisfactory Performance / Work Completion Certificates from the Top 3 (three) Clients or more.

**Financial Standing**

|  |  |
| --- | --- |
| **Annual Turnover for the last 3 years (in US$ equivalent[[1]](#footnote-2))** | Year 2016 USD      Year 2017 USD      Year 2018 USD       |
| **Latest Credit Rating (if any), indicate the source** |  |
| **Financial information**(in US$ equivalent**[[2]](#footnote-3)**) | **Historic information for the last 3 years** |
|  | 2016 | 2017 | 2018 |
|  | *Information from Balance Sheet* |
| Total Assets (TA) |  |  |  |
| Total Liabilities (TL) |  |  |  |
| Current Assets (CA) |  |  |  |
| Current Liabilities (CL) |  |  |  |
|  | *Information from Income Statement* |
| Total / Gross Revenue (TR) |  |  |  |
| Profits Before Taxes (PBT) |  |  |  |
| Net Profit  |  |  |  |
| Current Ratio |  |  |  |

[ ]  Attached are copies of the audited financial statements (balance sheets, including all related notes, and income statements) for the years required above complying with the following condition:

* 1. Must reflect the financial situation of the Bidder or party to a JV, and not sister or parent companies;
	2. Historic financial statements must be audited by a certified public accountant;
	3. Historic financial statements must correspond to accounting periods already completed and audited. No statements for partial periods shall be accepted.

## Form E: Format of Technical Bid

|  |  |  |  |
| --- | --- | --- | --- |
| Name of Bidder: | [Insert Name of Bidder] | Date: | Select date |
| ITB reference: | [Insert ITB Reference Number] |
| Lot No/Title | [Insert Lot Number and Title] |

**Bidders who submit bids for both of the lots should submit technical bid separately for each lot.**

The Bidder’s Bid should be organized to follow this format of the Technical Bid. Where the bidder is presented with a requirement or asked to use a specific approach, the bidder must not only state its acceptance, but also describe how it intends to comply with the requirements. **Where a descriptive response is requested, failure to provide the same will be viewed as non-responsive.**

**SECTION 1: Bidder’s qualification, capacity and expertise**

* 1. General organizational capability which is likely to affect implementation: management structure, financial stability and project financing capacity, project management controls, extent to which any work would be subcontracted (if so, provide details).
	2. Relevance of specialized knowledge and experience on similar engagements done in the region/country.
	3. Quality assurance procedures and risk mitigation measures.
	4. Organization’s commitment to sustainability.

**SECTION 2: Method Statement**

This section should demonstrate the Bidder’s responsiveness to the specification by identifying the specific components proposed, addressing the requirements, as specified, point by point; providing a detailed description of the essential performance characteristics proposed; and demonstrating how the proposed bid meets or exceeds the requirements/specifications. All important aspects should be addressed in sufficient detail.

* 1. A detailed description of how the Bidder will complete civil works, keeping in mind the appropriateness to local conditions and project environment.
	2. Explain whether any work would be subcontracted, to whom, how much percentage of the requirements, the rationale for such, and the roles of the proposed sub-contractors and how everyone will function as a team.
	3. The bid shall also include details of the Bidder’s internal technical and quality assurance review mechanisms.
	4. Implementation plan including a Gantt Chart or Project Schedule indicating the detailed sequence of activities that will be undertaken and their corresponding timing.
	5. Demonstrate how you plan to integrate sustainability measures in the execution of the contract. (e.g. Environmental Management)

**SECTION 3: Management Structure and Key Personnel**

* 1. Describe the overall management approach toward planning and implementing the project. Include an organization chart for the management of the project describing the relationship of key positions and designations.
	2. Provide CVs for key personnel required by technical specifications using the format below. CVs should demonstrate qualifications in areas relevant to the scope of works. **(The bidders who submit bids for both of the lots shall propose different personnel as the Project Manager/Construction Manager for each lot. The bidders who submit bids for both of the lots may propose the same personnels for both lots as Mechanical Engineer, Electrical Engineer and Surveyor.)**

**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)

## FORM F: Price Schedule Form/Bill of Quantities

## Lot 1; Construction of Waste Transfer Station in Kırıkhan Hatay

**(Bidders who submit bids for both of the lots should submit Price Schedule Form/Bill of Quantities separately for each lot.)**

|  |  |  |  |
| --- | --- | --- | --- |
| Name of Bidder: | [Insert Name of Bidder] | Date: | Select date |
| ITB reference: | [Insert ITB Reference Number] |

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 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:

1. Profit
2. Head Office charges
3. Site Supervision and Site Staff costs and expenses
4. Transport of labour and travelling allowances
5. Use of protective clothing or equipment
6. Any statutory or incidental charges levied on the employment of labour
7. Overtime, unless specifically ordered or subsequently sanctioned in writing by the Engineer
8. Time lost due to inclement weather
9. Insurances of whatsoever nature
10. Holiday and sickness pay or benefits
11. Use, repair and sharpening of small tools
12. 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
13. All other liabilities and obligations whatsoever

The units of measurement used in the annexed technical documentation 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 in the bill of quantities are to be interpreted as follows:

 mm means millimetre

 m means metre

 da means decare

 mm² means square millimetre

 m² means square metre

 m³ means cubic metre

 kg means kilogram

 ton means tonne (1000 kg)

 pcs means pieces

 h means hour

 L.s. means Lump sum

 km means kilometre

 l means litre

 kVAR means kilovolt ampere reactive

 % means per cent

**Currency of the Bid:** United States Dollar, USD

**Price Schedule for Lot 1**

|  |  |  |
| --- | --- | --- |
| **Item #** | **Description** | **Total Price (USD)** |
| 1 | Civil Works |  |
| 2 | Mechanical Works |  |
| 3 | Electrical Works |  |
| **Total estimated price (item 1 +item 2 +item 3) (USD)** |  |

Excel format of Bill of Quantities shall also be provided with the Bid. In case of any discrepancy between the excel format and the following formats, the prices given in the below format shall prevail.

**BILL OF QUANTITIES FOR CIVIL WORKS, LOT 1;**

| **Pose/****Item No** | **Pose/Item Definition**  | **Unit** | **Quantity** | **Unit Price (USD)** | **Price****(USD)** |
| --- | --- | --- | --- | --- | --- |
| Civ01 | Excavation works  | m³ | 4400.00 |  |  |
| Civ02 | Watering and compaction of any type of soil | m³ | 6,270.00 |  |  |
| Civ03 | Backfill with all in aggregate including transportation | m³ | 6,270.00 |  |  |
| Civ04 | Formation of base layer ((with crushed and screened quarry stone (1 inch)) including transportation | m³ | 850.00 |  |  |
| Civ05 | Plant-Mix Subbase production including transportation (with crushed and screened quarry stone) | m³ | 850.00 |  |  |
| Civ06 | Supply of gravel and flooring, watering and compaction by machine including transportation | m³ | 517.00 |  |  |
| Civ07 | Laying the sub base and base material  | m³ | 1,700.00 |  |  |
| Civ08 | Readymix concrete placement meeting the compressive strength requirements of C 16/20, including procurement, delivery, concrete pump and placement. | m³ | 385.00 |  |  |
| Civ09 | Concreting of C 30/37 compressive strength class concrete being manufactured at a concrete plant or purchased (including concrete transport) | m³ | 1726.00 |  |  |
| Civ10 | Concrete kerb construction including transport to workplace, loading and unloading, stapling and figuration costs of cement, sand and gravel | m | 448.50 |  |  |
| Civ11 | 30 cm thick CMU wall construction with non-reinforced lightweight concrete blocks (With lightweight block adhesive) (2,50 N/mm² and 400 kg/m³) | m² | 61.00 |  |  |
| Civ12 | Hot-dip galvanized, corrugated / trapezoidal sheet and roof covering with epoxy paint made of 0.50 mm thickness on the existing roof covering on concrete slabs and/or steel structures | m² | 272.50 |  |  |
| Civ13 | Ø 200 mm nominal diameter, PVC-based corrugated drainage pipe and its placement | m | 350.00 |  |  |
| Civ14 | Two layers of dampproofing application of 3 and 4 mm thick elastometric polymer modified bitumen sheet (-20 degrees cold rolled) with mat reinforcement | m² | 175.00 |  |  |
| Civ15 | Laying of 150 gr/m2 geotextile felt | m² | 410.00 |  |  |
| Civ16 | Supply and replacement of HDPE based drainage and protection sheet on waterproofing of basement curtains (200 dpressure resistance <250 KN / m2) | m² | 234.00 |  |  |
| Civ17 | 5 cm thick surface roughness or rough channel extruded polystyrene plates (XPS - 200 kPa compressive strength) with external thermal insulation on the outside walls and heat insulation plaster (jacketing) | m² | 76.00 |  |  |
| Civ18 | Thermal insulation of 5 cm thick surface (XPS - 300 Kpa compressive strength) and horizontal (on ground floor (earth contact) floors or reverse terrace roofs) | m² | 24.25 |  |  |
| Civ19 | Mesh reinforced elastometric resin based liquid applied dampproof plastic coating, 3 layers, 1,5 mm total thickness  | m² | 343.00 |  |  |
| Civ20 | Production of reinforced concrete plain surface form works with plywood | m² | 4,185.00 |  |  |
| Civ21 | Mold Scaffolding from steel pipe (between 0.00 – 4.00 m) | m³ | 1,070.00 |  |  |
| Civ22 | Mold Scaffolding from steel pipe (4.01 – 6.00 m) | m³ | 1,205.00 |  |  |
| Civ23 | Mold Scaffolding from steel pipe (6,01-8,00m) | m³ | 5,081.00 |  |  |
| Civ24 | Assembly of prefabricated exterior scaffolding with full safety measures (0,00-51,50 m height) | m² | 596.00 |  |  |
| Civ25 | Assembly of prefabricated ceiling scaffolding with full safety measures (0,00-21,50 m height). | m² | 735.00 |  |  |
| Civ26 | Ribbed wire mesh (1.5-3.00 kg/m2) Installation (including 3.00 kg / m2) including transportation | Ton | 26.75 |  |  |
| Civ27 | Cutting, bending and placement of Ø 8- Ø 12 mm deformed concrete steel bars | Ton | 48.50 |  |  |
| Civ28 | Cutting, bending and placement of Ø 14- Ø 28 mm deformed concrete steel bars | Ton | 121.20 |  |  |
| Civ29 | Making and replacing various iron works from iron band,hollow section and steel profile  | kg | 8,750.00 |  |  |
| Civ30 | PVC Doors, Windows and Frames | kg | 100.00 |  |  |
| Civ31 | Nodular cast iron grates for rain water drainage  | kg | 1,650.00 |  |  |
| Civ32 | Supply and replacement of rigid PVC rain pipe with a diameter Ø 100 mm | m | 7.00 |  |  |
| Civ33 | 0.50 mm thick, hot-dip galvanized on the flat sheet made of seamless groove construction and installation (Sheet width 30 cm total) | m | 11.50 |  |  |
| Civ34 | Two layers of anticorrosive, two layers of synthetic paint on iron surfaces | m² | 343.00 |  |  |
| Civ35 | Application of two coats of water-based matte paint on the new plaster surfaces (interior) | m² | 185.00 |  |  |
| Civ36 | Water based exterior paint with silicone additives to be applied on concrete, plaster, stucco or existing paint with primer (Exterior surfaces)  | m² | 104.00 |  |  |
| Civ37 | First class, all type, color and texture, 40 x 40 cm ceramic tile and wall & floor tile with 3 mm joint installation (With tile adhesive) | m² | 44.50 |  |  |
| Civ38 | Made of marble aggregated concrete, ready made, equipped with flat sheet, window sill, parapet or a scoop (all kinds of surface treatment) | m² | 1.50 |  |  |
| Civ39 | Covering with 8 cm height normal cement steam cured concrete paving stone (every size, color and pattern) | m² | 878.50 |  |  |
| Civ40 | Paving 30 x 10 x (Project specific) cm, steam cured, regular cement concrete gutter stone (All colors) | m | 276.00 |  |  |
| Civ41 | Plastering with 250/350 kg cement dosage, coarse and fine mortar (exterior plastering) | m² | 52.00 |  |  |
| Civ42 | Plastering with 200/250 kg lime / cement mixture, coarse and fine mortar (interior wall plastering) | m² | 169.00 |  |  |
| Civ43 | 200 kg cement dose levelling coat | m² | 41.00 |  |  |
| Civ44 | Installation of double-glazed glass window unit with 4 + 4 mm thickness, 12 mm spacing to PVC and aluminum joinery profile | m² | 2.25 |  |  |
| Civ45 | Formation of steam cured 500 Dose Precast Manhole base (h=0.6m, with rubber joints ) with Ø 200 outlet (one out and one inlet)  | piece | 6.00 |  |  |
| Civ46 | Formation of steam Cured 500 Doses Precast Manhole Riser (h= 0.50 m, Joints with 600 Dose Mortar) | piece | 2.00 |  |  |
| Civ47 | Formation of 500 dz. 1-meter diameter prefabricated and steam cured inspection manhole with rubber gasket and conical apparatus installation | piece | 6.00 |  |  |
| Civ48 | Formation of steam cured, 500 dose precast manhole with structure height adjustment ring (h=specific to project, Joints with 600 Dose Mortar)  | m | 6.00 |  |  |
| Civ49 | Supply and placing of BS 18 concrete (350 doses) precast concrete manhole cover with frame  | piece | 6.00 |  |  |
| Civ50 | Facade cladding with aluminium composite panel, mineral filled (without heat insulation) | m² | 68.00 |  |  |
| Civ51 | Permanent Project Signboard with foot pedestal | Lump sum | 1.00 |  |  |
| Civ52 | Supply and installation of prefabricated container buildings | Lump sum | 1.00 |  |  |
| Civ53 | Traffic sign boards | piece | 4.00 |  |  |
| Civ54 | Panel Fence | m | 374.00 |  |  |
| Civ55 | Sliding Entrance Gate (Panel fence) | Lump sum | 1.00 |  |  |
| Civ56 | Supply and planting of conifer trees | piece | 20 |  |  |
| Civ57 | Supply and planting of broad-leaved trees | piece | 25 |  |  |
| Civ58 | Supply and planting of bushes | piece | 130 |  |  |
| Civ59 | Supply and laying of top soil | m3 | 95 |  |  |
| Civ60 | Smoked color chamfered mirror (5mm thickness)  | m² | 5.68 |  |  |
| Civ61 | Deceleration warning,stripe lines and pedestrian crossings, with 2 mm thick double component paint | m² | 75.00 |  |  |
| Civ65 | Field concrete (concrete pavement) | m3 | 771.00 |  |  |
| Civ66 | Pipe bedding-padding (side fill) with 0-30 mm fine aggregate (crushed stone) | m3 | 255.00 |  |  |
| Civ67 | Demolition works for concrete materials | m3 | 110.00 |  |  |
| Civ68 | Demolition works for non-concrete materials /compacted soil | m3 | 3,500.00 |  |  |
| Civ69 | Demolition works for cobble stone pavement | m² | 1,700.00 |  |  |
| Total for Civil Works, Lot 1 |  |

**BILL OF QUANTITIES FOR MECHANICAL WORKS, LOT 1;**

| **Pose/****Item No** | **Pose/Item Definition**  | **Unit** | **Quantity** | **Unit Price (USD)** | **Price****(USD)** |
| --- | --- | --- | --- | --- | --- |
| Mec01 | Polyethylene pipe; outside diameter Ø40 mm, PE100 class, SDR 17, PN 10  | m | 160.00 |  |  |
| Mec02 | Polyethylene pipe; outside diameter Ø50 mm, PE100 class, SDR 17, PN 10  | m | 110 |  |  |
| Mec03 | Polyethylene pipe; outside diameter Ø63 mm, PE100 class, SDR 17, PN 10  | m | 15 |  |  |
| Mec04 | Laying HDPE based, corrugated sewer pipe with nominal diameter of Ø 150 mm  | m | 40 |  |  |
| Mec05 | Laying HDPE based, corrugated sewer pipe with nominal diameter of Ø 200 mm | m | 120 |  |  |
| Mec06 | Laying HDPE based, corrugated sewer pipe with nominal diameter of Ø 300 mm | m | 80 |  |  |
| Mec07 | 3.75m3 prismatic modular stainless-steel water tank including installation/montage material | pieces | 1 |  |  |
| Mec08 | Polypropylene clear water pipe; PN 20, 1/2", Ø 20/3.4 mm including installation/montage material | m | 6 |  |  |
| Mec09 | Polypropylene clear water pipe; PN 20, 3/4", Ø 25/4.2 mm including installation/montage material | m | 26 |  |  |
| Mec10 | Polypropylene clear water pipe; PN 20, 1", Ø 32/5.4 mm including installation/montage material | m | 8 |  |  |
| Mec11 | Polypropylene clear water pipe; PN 20, 11/4", Ø 40/6.7 mm including installation/montage material | m | 6 |  |  |
| Mec12 | Polypropylene clear water pipe; PN 20, 2", Ø 63/10.5 mm including installation/montage material | m | 10 |  |  |
| Mec13 | (3/4") outside diameter: 27 Ø mm, 25 mm glass wound based aluminum folio coated prefabricated pipe insulation (TS EN 14303) | m | 8.5 |  |  |
| Mec14 | (11/4") outside diameter: 42 Ø mm, 40 mm glass wound based aluminum folio coated prefabricated pipe insulation (TS EN 14303) | m | 14 |  |  |
| Mec15 | (2") outside diameter: 60 Ø mm, 60 mm glass wound based aluminum folio coated prefabricated pipe insulation (TS EN 14303) | m | 11 |  |  |
| Mec16 | Rigid PVC plastic sewage pipe with muff, outer diameter: Ø 50-40/3.00 mm (B and BD type) including installation/montage material | m | 3 |  |  |
| Mec17 | Rigid PVC plastic sewage pipe with muff, outer diameter: Ø 75-70/3.00 mm (B and BD type) including installation/montage material | m | 6 |  |  |
| Mec18 | Rigid PVC plastic sewage pipe with muff, outer diameter: Ø 100-110/3.00 mm (B and BD type) including installation/montage material | m | 4 |  |  |
| Mec19 | Rigid plastic floor sink 10X10 cm | pieces | 3 |  |  |
| Mec20 | Full bore, screw type ball valve; brass, press-made, teflon (PTFE) gasket, 20 Ø mm, 3/4"  | pieces | 4 |  |  |
| Mec21 | Full bore, screw type ball valve; brass, press-made, teflon (PTFE) gasket, 32 Ø mm, 1 1/4" | pieces | 9 |  |  |
| Mec22 | Full bore, screw type ball valve; brass, press-made, teflon (PTFE) gasket, 40 Ø mm, 1 1/2" | pieces | 6 |  |  |
| Mec23 | Strainer; PN 16 (for water and vapor, cast casing) Ø 50 mm or Ø 65 mm, with flange | pieces | 1 |  |  |
| Mec24 | Holding valve with flange, cast casing, Ø 50 mm or Ø 65 mm | pieces | 3 |  |  |
| Mec25 | Cold water meter Ø 50 mm, with flange | pieces | 1 |  |  |
| Mec26 | Hydrophore,single pump, vertical shaft, frequency converter; Flow: 0-5 m3 / h Pressure: 40-60mss  | pieces | 1 |  |  |
| Mec27 | Collector pipe, cold and hot water, galvanized; 3" Ø 80 mm | m | 1 |  |  |
| Mec28 | Collector mouth, Ø 50 mm | pieces | 4 |  |  |
| Mec29 | Supply and installation of wall split air conditioner, UNIT 9.000 Btu/h | pieces | 4 |  |  |
| Mec30 | Weighbridge with automation system | Lump-sum | 1 |  |  |
| Total for Mechanical Works, Lot 1 |  |

**BILL OF QUANTITIES FOR ELECTRICAL WORKS, LOT 1;**

| **Pose/****Item No** | **Pose/Item Definition**  | **Unit** | **Quantity** | **Unit Price (USD)** | **Price** **(USD)** |
| --- | --- | --- | --- | --- | --- |
| Ele01 | MDP Main Distribution Panelboard | piece | 2 |  |  |
| Ele02 | Surface Mounting Type Sheet Metal Panel, 0.30 m2 | piece | 4 |  |  |
| Ele03 | Selector Type Rotary Cam (Pako) Switch, 2x10 A | piece | 1 |  |  |
| Ele04 | Rotary Cam (Pako) Switch, (0-1) 3x25 A | piece | 2 |  |  |
| Ele05 | Contactor, 3x16 A | piece | 1 |  |  |
| Ele06 | Thermic Protective Contactor, 3x10 A | piece | 2 |  |  |
| Ele07 | Time limit relay used for lighting control | piece | 1 |  |  |
| Ele08 | Residual current circuit breaker – up to 4x25A (30mA) | piece | 2 |  |  |
| Ele09 | Residual current circuit breaker – up to 4x25A (300mA) | piece | 5 |  |  |
| Ele10 | Residual current circuit breaker – up to 4x40A (300mA) | piece | 1 |  |  |
| Ele11 | Surge protector; B Class, 230V AC, 100kA panel type  | piece | 1 |  |  |
| Ele12 | Automatic-controlled central compensation battery, up to 525 V  | kVar | 12.5 |  |  |
| Ele13 | Miniature Circuit Breaker, 1x2A, 1x10A, 1x16A | piece | 32 |  |  |
| Ele14 | Miniature Circuit Breaker, 3x25A | piece | 13 |  |  |
| Ele15 | Miniature Circuit Breaker, 3x40A | piece | 1 |  |  |
| Ele16 | Multimeter (TS4417) | piece | 1 |  |  |
| Ele17 | Current transformer, CL:0,5 n<5 10VA 40/5A | piece | 3 |  |  |
| Ele18 | Signal Lamp | piece | 15 |  |  |
| Ele19 | 3x25+16mm2 NYY Cable | m | 200.00 |  |  |
| Ele20 | 4x6mm2 NYY Cable | m | 290.00 |  |  |
| Ele21 | 5x4mm2 N2XH Cable | m | 95.00 |  |  |
| Ele22 | 5x6mm2 N2XH Cable | m | 90.00 |  |  |
| Ele23 | ΔL60 (6 m.) Active Lightning Arrestor | piece | 1 |  |  |
| Ele24 | Down-conductor, 50mm2 electrolytic copper conductor | m | 100.00 |  |  |
| Ele25 | 30x3,5mm Galvanized Steel Band | m | 40.00 |  |  |
| Ele26 | Grounding rod, electrolytic copper | piece | 7 |  |  |
| Ele27 | Conductor protection pipe (3m) | piece | 1 |  |  |
| Ele28 | 150W LED Street Lighting Fixture, IP65 | piece | 13 |  |  |
| Ele29 | 150W LED Projector Lighting Fixture, IP65 | piece | 2 |  |  |
| Ele30 | Galvanized Steel Range Lighting Pole, h:7mt. | piece | 15 |  |  |
| Ele31 | HDPE 100 corrugated pipe | m | 160.00 |  |  |
| Ele32 | Polythene pipe ∅ 32 mm  | m | 290.00 |  |  |
| Ele33 | Grounding line, 16mm2 | m | 290.00 |  |  |
| Total for Electrical Works |  |

Name of Bidder: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Authorised signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of authorised signatory: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Functional Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## FORM F: Price Schedule Form/Bill of Quantities

## Lot 2; Construction of Waste Transfer Station in Yayladağ Hatay

**(Bidders who submit bids for both of the lots should submit Price Schedule Form/Bill of Quantities separately for each lot.)**

|  |  |  |  |
| --- | --- | --- | --- |
| Name of Bidder: | [Insert Name of Bidder] | Date: | Select date |
| ITB reference: | [Insert ITB Reference Number] |

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 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:

1. Profit
2. Head Office charges
3. Site Supervision and Site Staff costs and expenses
4. Transport of labour and travelling allowances
5. Use of protective clothing or equipment
6. Any statutory or incidental charges levied on the employment of labour
7. Overtime, unless specifically ordered or subsequently sanctioned in writing by the Engineer
8. Time lost due to inclement weather
9. Insurances of whatsoever nature
10. Holiday and sickness pay or benefits
11. Use, repair and sharpening of small tools
12. 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
13. All other liabilities and obligations whatsoever

The units of measurement used in the annexed technical documentation 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 in the bill of quantities are to be interpreted as follows:

 mm means millimetre

 m means metre

 da means decare

 mm² means square millimetre

 m² means square metre

 m³ means cubic metre

 kg means kilogram

 ton means tonne (1000 kg)

 pcs means pieces

 h means hour

 L.s. means Lump sum

 km means kilometre

 l means litre

 kVAR means kilovolt ampere reactive

 % means per cent

**Currency of the Bid:** United States Dollar, USD

**Price Schedule for Lot 2**

|  |  |  |
| --- | --- | --- |
| **Item #** | **Description** | **Total Price (USD)** |
| 1 | Civil Works |  |
| 2 | Mechanical Works |  |
| 3 | Electrical Works |  |
| **Total estimated price (item 1 +item 2 +item 3) (USD)** |  |

Excel format of Bill of Quantities shall also be provided with the Bid. In case of any discrepancy between the excel format and the following formats, the prices given in the below format shall prevail.

**BILL OF QUANTITIES FOR CIVIL WORKS, LOT 2;**

| **Pose/****Item No** | **Pose/Item Definition**  | **Unit** | **Quantity** | **Unit Price (USD)** | **Price****(USD)** |
| --- | --- | --- | --- | --- | --- |
| Civ01 | Excavation works  | m³ | 12,400.00 |  |  |
| Civ02 | Watering and compaction of any type of soil | m³ | 3,300.00 |  |  |
| Civ03 | Backfill with all in aggregate including transportation | m³ | 3,300.00 |  |  |
| Civ04 | Formation of base layer ((with crushed and screened quarry stone (1 inch)) including transportation | m³ | 855.00 |  |  |
| Civ05 | Plant-Mix Subbase production including transportation (with crushed and screened quarry stone) | m³ | 1,710.00 |  |  |
| Civ06 | Supply of gravel and flooring, watering and compaction by machine including transportation | m³ | 907.60 |  |  |
| Civ07 | Laying the sub base and base material  | m³ | 1,710.00 |  |  |
| Civ08 | Readymix concrete placement meeting the compressive strength requirements of C 16/20, including procurement, delivery, concrete pump and placement. | m³ | 425.00 |  |  |
| Civ09 | Concreting of C 30/37 compressive strength class concrete being manufactured at a concrete plant or purchased (including concrete transport) | m³ | 1,620.00 |  |  |
| Civ11 | 30 cm thick CMU wall construction with non-reinforced lightweight concrete blocks (With lightweight block adhesive) (2,50 N/mm² and 400 kg/m³) | m² | 39.00 |  |  |
| Civ12 | Hot-dip galvanized, corrugated / trapezoidal sheet and roof covering with epoxy paint made of 0.50 mm thickness on the existing roof covering on concrete slabs and/or steel structures | m² | 685.00 |  |  |
| Civ13 | Ø 200 mm nominal diameter, PVC-based corrugated drainage pipe and its placement | m | 350.00 |  |  |
| Civ14 | Two layers of dampproofing application of 3 and 4 mm thick elastometric polymer modified bitumen sheet (-20 degrees cold rolled) with mat reinforcement | m² | 241.00 |  |  |
| Civ15 | Laying of 150 gr/m2 geotextile felt | m² | 550.00 |  |  |
| Civ16 | Supply and replacement of HDPE based drainage and protection sheet on waterproofing of basement curtains (200 dpressure resistance <250 KN / m2) | m² | 264.00 |  |  |
| Civ17 | 5 cm thick surface roughness or rough channel extruded polystyrene plates (XPS - 200 kPa compressive strength) with external thermal insulation on the outside walls and heat insulation plaster (mantolama) | m² | 76.00 |  |  |
| Civ18 | Thermal insulation of 5 cm thick surface (XPS - 300 Kpa compressive strength) and horizontal (on ground floor (earth contact) floors or reverse terrace roofs) | m² | 24.50 |  |  |
| Civ19 | Mesh reinforced elastometric resin based liquid applied dampproof plastic coating, 3 layers, 1,5 mm total thickness  | m² | 466.00 |  |  |
| Civ20 | Production of reinforced concrete plain surface form works with plywood | m² | 4,650.00 |  |  |
| Civ21 | Mold Scaffolding from steel pipe (between 0.00 – 4.00 m) | m³ | 1,640.00 |  |  |
| Civ22 | Mold Scaffolding from steel pipe (4.01 – 6.00 m) | m³ | 2,965.00 |  |  |
| Civ23 | Mold Scaffolding from steel pipe (6,01-8,00m) | m³ | 3,244.00 |  |  |
| Civ24 | Assembly of prefabricated exterior scaffolding with full safety measures (0,00-51,50 m height) | m² | 795.00 |  |  |
| Civ25 | Assembly of prefabricated ceiling scaffolding with full safety measures (0,00-21,50 m height). | m² | 1,990.00 |  |  |
| Civ26 | Ribbed wire mesh (1.50-3.00 kg/m2) Installation (including 3.00 kg / m2) including transportation | Ton | 30.00 |  |  |
| Civ27 | Cutting, bending and placement of Ø 8- Ø 12 mm deformed concrete steel bars | Ton | 48.50 |  |  |
| Civ28 | Cutting, bending and placement of Ø 14- Ø 28 mm deformed concrete steel bars | Ton | 95.70 |  |  |
| Civ29 | Making and replacing various iron works from iron band,hollow section and steel profile  | kg | 16,150.00 |  |  |
| Civ30 | PVC Doors, Windows and Frames | kg | 91.00 |  |  |
| Civ31 | Nodular cast iron grates for rain water drainage  | kg | 1,810.00 |  |  |
| Civ32 | Supply and replacement of rigid PVC rain pipe with a diameter Ø 100 mm | m | 6.60 |  |  |
| Civ33 | 0.50 mm thick, hot-dip galvanized on the flat sheet made of seamless seamless groove construction and installation (Sheet width 30 cm total) | m | 21.00 |  |  |
| Civ34 | Two layers of anticorrosive, two layers of synthetic paint on iron surfaces | m² | 1,375.00 |  |  |
| Civ35 | Application of two coats of water-based matte paint on the new plaster surfaces (interior) | m² | 76.00 |  |  |
| Civ36 | Water based exterior paint with silicone additives to be applied on concrete, plaster, stucco or existing paint with primer (Exterior surfaces)  | m² | 65.50 |  |  |
| Civ37 | First class, all type, color and texture, 40 x 40 cm ceramic tile and wall & floor tile with 3 mm joint installation (With tile adhesive) | m² | 27.00 |  |  |
| Civ38 | Made of marble aggregated concrete, ready made, equipped with flat sheet, window sill, parapet or a scoop (all kinds of surface treatment) | m² | 1.95 |  |  |
| Civ39 | Covering with 8 cm height normal cement steam cured concrete paving stone (every size, color and pattern) | m² | 424.00 |  |  |
| Civ40 | Paving 30 x 10 x (Project specific) cm, steam cured, regular cement concrete gutter stone (All colors) | m | 410.00 |  |  |
| Civ41 | Plastering with 250/350 kg cement dosage, coarse and fine mortar (exterior plastering) | m² | 11.00 |  |  |
| Civ42 | Plastering with 200/250 kg lime / cement mixture, coarse and fine mortar (interior wall plastering) | m² | 76.00 |  |  |
| Civ43 | 200 kg cement dose levelling coat | m² | 25.00 |  |  |
| Civ44 | Installation of double-glazed glass window unit with 4 + 4 mm thickness, 12 mm spacing to PVC and aluminum joinery profile | m² | 0.40 |  |  |
| Civ45 | Formation of steam cured 500 Dose Precast Manhole base (h=0.6m, with rubber joints ) with Ø 200 outlet (one out and one inlet)  | piece | 10.00 |  |  |
| Civ46 | Formation of steam Cured 500 Doses Precast Manhole Riser (h= 0.50 m, Joints with 600 Dose Mortar) | piece | 2.00 |  |  |
| Civ47 | Formation of 500 dz. 1-meter diameter prefabricated and steam cured inspection manhole with rubber gasket and conical apparatus installation | piece | 10.00 |  |  |
| Civ48 | Formation of steam cured, 500 dose precast manhole with structure height adjustment ring (h=specific to project, Joints with 600 Dose Mortar)  | meter | 2.78 |  |  |
| Civ49 | Supply and placing of BS 18 concrete (350 doses) precast concrete manhole cover with frame  | piece | 10.00 |  |  |
| Civ50 | Facade cladding with aluminium composite panel, mineral filled (without heat insulation) | m² | 113.00 |  |  |
| Civ51 | Permanent Project Signboard with foot pedestal | piece | 1.00 |  |  |
| Civ52 | Supply and installation of prefabricated container buildings | Lump sum | 1.00 |  |  |
| Civ53 | Traffic sign boards | piece | 6.00 |  |  |
| Civ54 | Panel Fence | m | 428.00 |  |  |
| Civ55 | Sliding Entrance Gate (Panel fence) | Lump sum | 1.00 |  |  |
| Civ56 | Supply and planting of conifer trees | piece | 40 |  |  |
| Civ57 | Supply and planting of broad-leaved trees | piece | 45 |  |  |
| Civ58 | Supply and planting of bushes | piece | 300 |  |  |
| Civ59 | Supply and laying of top soil | m³ | 393.00 |  |  |
| Civ60 | Smoked color chamfered mirror ( 5mm thickness)  | m² | 16.68 |  |  |
| Civ61 | Deceleration warning,stripe lines and pedestrian crossings, with 2 mm thick double component paint | m² | 80.00 |  |  |
| Civ62 | Supply, installation and assembly of framing construction with any type of profiled steel, steel bars and sheets | ton | 32.75 |  |  |
| Civ63 | Laying of Concrete border (chamfered, any colour) (50 x 20 x 10 cm) | m | 229.00 |  |  |
| Civ64 | Laying of Concrete border (chamfered, any colour) (75 x 30 x 15 cm) | m | 498.00 |  |  |
| Civ65 | Field concrete (concrete pavement) | m³ | 879.00 |  |  |
| Civ66 | Pipe bedding-padding (side fill) with 0-30 mm fine aggregate (crushed stone) | m³ | 250.00 |  |  |
| Total for Civil Works Lot 2 |  |

**BILL OF QUANTITIES FOR MECHANICAL WORKS, LOT 2;**

| **Pose/****Item No** | **Pose/Item Definition**  | **Unit** | **Quantity** | **Unit Price (USD)** | **Price****(USD)** |
| --- | --- | --- | --- | --- | --- |
| Mec01 | Polyethylene pipe; outside diameter Ø40 mm, PE100 class, SDR 17, PN 10  | m | 122.00 |  |  |
| Mec02 | Polyethylene pipe; outside diameter Ø50 mm, PE100 class, SDR 17, PN 10  | m | 148 |  |  |
| Mec03 | Polyethylene pipe; outside diameter Ø63 mm, PE100 class, SDR 17, PN 10  | m | 108 |  |  |
| Mec04 | Laying HDPE based, corrugated sewer pipe with nominal diameter of Ø 150 mm  | m | 24 |  |  |
| Mec05 | Laying HDPE based, corrugated sewer pipe with nominal diameter of Ø 200 mm | m | 144 |  |  |
| Mec06 | Laying HDPE based, corrugated sewer pipe with nominal diameter of Ø 300 mm | m | 158 |  |  |
| Mec08 | Polypropylene clear water pipe; PN 20, 1/2", Ø 20/3.4 mm including installation/montage material | m | 6 |  |  |
| Mec09 | Polypropylene clear water pipe; PN 20, 3/4", Ø 25/4.2 mm including installation/montage material | m | 26 |  |  |
| Mec10 | Polypropylene clear water pipe; PN 20, 1", Ø 32/5.4 mm including installation/montage material | m | 8 |  |  |
| Mec11 | Polypropylene clear water pipe; PN 20, 11/4", Ø 40/6.7 mm including installation/montage material | m | 6 |  |  |
| Mec12 | Polypropylene clear water pipe; PN 20, 2", Ø 63/10.5 mm including installation/montage material | m | 10 |  |  |
| Mec13 | (3/4") outside diameter: 27 Ø mm, 25 mm glass wound based aluminum folio coated prefabricated pipe insulation (TS EN 14303) | m | 8.5 |  |  |
| Mec14 | (11/4") outside diameter: 42 Ø mm, 40 mm glass wound based aluminum folio coated prefabricated pipe insulation (TS EN 14303) | m | 13.8 |  |  |
| Mec15 | (2") outside diameter: 60 Ø mm, 60 mm glass wound based aluminum folio coated prefabricated pipe insulation (TS EN 14303) | m | 10.5 |  |  |
| Mec16 | Rigid PVC plastic sewage pipe with muff, outer diameter: Ø 50-40/3.00 mm (B and BD type) including installation/montage material | m | 3 |  |  |
| Mec17 | Rigid PVC plastic sewage pipe with muff, outer diameter: Ø 75-70/3.00 mm (B and BD type) including installation/montage material | m | 6 |  |  |
| Mec18 | Rigid PVC plastic sewage pipe with muff, outer diameter: Ø 100-110/3.00 mm (B and BD type) including installation/montage material | m | 4 |  |  |
| Mec19 | Rigid plastic floor sink 10X10 cm | pieces | 3 |  |  |
| Mec20 | Full bore, screw type ball valve; brass, press-made, teflon (PTFE) gasket, 20 Ø mm, 3/4"  | pieces | 4 |  |  |
| Mec21 | Full bore, screw type ball valve; brass, press-made, teflon (PTFE) gasket, 32 Ø mm, 1 1/4" | pieces | 7 |  |  |
| Mec22 | Full bore, screw type ball valve; brass, press-made, teflon (PTFE) gasket, 40 Ø mm, 1 1/2" | pieces | 22 |  |  |
| Mec23 | Strainer; PN 16 (for water and vapor, cast casing) Ø 50 mm or Ø 65 mm, with flange | pieces | 1 |  |  |
| Mec24 | Holding valve with flange, cast casing, Ø 50 mm or Ø 65 mm | pieces | 3 |  |  |
| Mec25 | Cold water meter Ø 50 mm, with flange | pieces | 1 |  |  |
| Mec26 | Hydrophore,single pump, vertical shaft, frequency converter; Flow: 0-5 m3 / h Pressure: 40-60mss  | pieces | 1 |  |  |
| Mec27 | Collector pipe, cold and hot water, galvanized; 3" Ø 80 mm | m | 1 |  |  |
| Mec28 | Collector mouth, Ø 50 mm | pieces | 4 |  |  |
| Mec29 | Supply and installation of wall split air conditioner, UNIT 9.000 Btu/h | pieces | 4 |  |  |
| Mec30 | Weighbridge with automation system | Lump-sum | 1 |  |  |
| Mec31 | Full bore, screw type ball valve; brass, press-made, teflon (PTFE) gasket, 50 Ø mm, 2" | piece | 6 |  |  |
| Mec32 | 23 m3 cylindrical, bolted, modular galvanized water tank (bolted) including installation/montage | piece | 1 |  |  |
| Total for Mechanical Works, Lot 2 |  |

**BILL OF QUANTITIES FOR ELECTRICAL WORKS, LOT 2;**

| **Pose/****Item No** | **Pose/Item Definition**  | **Unit** | **Quantity** | **Unit Price (USD)** | **Price****(USD)** |
| --- | --- | --- | --- | --- | --- |
| Ele01 | MDP Main Distribution Panelboard | piece | 2.00 |  |  |
| Ele02 | Surface Mounting Type Sheet Metal Panel, 0.30 m2 | piece | 2 |  |  |
| Ele03 | Selector Type Rotary Cam (Pako) Switch, 2x10 A | piece | 1 |  |  |
| Ele04 | Rotary Cam (Pako) Switch, (0-1) 3x25 A | piece | 2 |  |  |
| Ele05 | Contactor, 3x16 A | piece | 1 |  |  |
| Ele06 | Thermic Protective Contactor, 3x10 A | piece | 2 |  |  |
| Ele07 | Time limit relay used for lighting control | piece | 1 |  |  |
| Ele09 | Residual current circuit breaker – up to 4x25A (300mA) | piece | 5 |  |  |
| Ele10 | Residual current circuit breaker – up to 4x40A (300mA) | piece | 1 |  |  |
| Ele11 | Surge protector; B Class, 230V AC, 100kA panel type  | piece | 1 |  |  |
| Ele12 | Automatic-controlled central compensation battery, up to 525 V  | kVar | 12.5 |  |  |
| Ele13 | Miniature Circuit Breaker, 1x2A, 1x10A, 1x16A | piece | 15 |  |  |
| Ele14 | Miniature Circuit Breaker, 3x25A | piece | 11 |  |  |
| Ele15 | Miniature Circuit Breaker, 3x40A | piece | 1 |  |  |
| Ele16 | Multimeter (TS4417) | piece | 1 |  |  |
| Ele17 | Current transformer, CL:0,5 n<5 10VA 40/5A | piece | 1 |  |  |
| Ele18 | Signal Lamp | piece | 9 |  |  |
| Ele19 | 3x25+16mm2 NYY Cable | m | 200 |  |  |
| Ele20 | 4x6mm2 NYY Cable | m | 370 |  |  |
| Ele21 | 5x4mm2 N2XH Cable | m | 105 |  |  |
| Ele22 | 5x6mm2 N2XH Cable | m | 50 |  |  |
| Ele23 | ΔL60 (6 m.) Active Lightning Arrestor | piece | 1 |  |  |
| Ele24 | Down-conductor, 50mm2 electrolytic copper conductor | m | 100 |  |  |
| Ele25 | 30x3,5mm Galvanized Steel Band | m | 50 |  |  |
| Ele26 | Grounding rod, electrolytic copper | piece | 8 |  |  |
| Ele27 | Conductor protection pipe (3m) | piece | 1 |  |  |
| Ele28 | 150W LED Street Lighting Fixture, IP65 | piece | 13 |  |  |
| Ele29 | 150W LED Projector Lighting Fixture, IP65 | piece | 2 |  |  |
| Ele30 | Galvanized Steel Range Lighting Pole, h:7mt. | piece | 15 |  |  |
| Ele31 | HDPE 100 corrugated pipe | m | 70 |  |  |
| Ele32 | Polythene pipe ∅ 32 mm  | m | 370 |  |  |
| Ele33 | Grounding line, 16mm2 | m | 374 |  |  |
| Total for Electrical Works, Lot 2 |  |

Name of Bidder: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Authorised signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of authorised signatory: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Functional Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## FORM G: Form of Bid Security

Bid Security must be issued using the official letterhead of the Issuing Bank.

Except for indicated fields, no changes may be made on this template.

(Bidders who submit bids for both of the lots should submit Bid Security Forms separately for each lot.)

To: UNDP

 *[Insert contact information as provided in Data Sheet]*

WHEREAS [Name and address of Bidder] (hereinafter called “the Bidder”) has submitted a Bid to UNDP dated Click here to enter a date. To complete the works stipulated in the ITB with reference UNDP-TUR-ITB(MC2)-2019/01 with the title “Construction of Waste Transfer Stations in Hatay; [Please insert the name of the lot]” (hereinafter called “the Bid”):

AND WHEREAS it has been stipulated by you that the Bidder shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security if the Bidder:

1. Fails to sign the Contract after UNDP has awarded it;
2. Withdraws its Bid after the date of the opening of the Bids;
3. Fails to comply with UNDP’s variation of requirement, as per ITB instructions; or
4. Fails to furnish Performance Security, insurances, or other documents that UNDP may require as a condition to rendering the contract effective.

AND WHEREAS we have agreed to give the Bidder such Bank Guarantee:

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Bidder, up to a total of [*amount of guarantee*] [*in words and numbers*], such sum being payable in the types and proportions of currencies in which the Price Bid is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of *[amount of guarantee as aforesaid*] without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

This guarantee shall be valid up to 30 days after the final date of validity of bids,

**SIGNATURE AND SEAL OF THE GUARANTOR BANK**

Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Bank \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Address \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*[Stamp with official stamp of the Bank]*

1. Bidders shall convert the currency into USD by using the UN operational rate of exchange which was effective for December of each corresponding year. UN operational rate of exchange are available at the following website: https://treasury.un.org/operationalrates/OperationalRates.php#E [↑](#footnote-ref-2)
2. Bidders shall convert the currency into USD by using the UN operational rate of exchange which was effective for December of each corresponding year. UN operational rate of exchange are available at the following website: https://treasury.un.org/operationalrates/OperationalRates.php#E [↑](#footnote-ref-3)