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AMENDMENT NO.2

Date: 02 November 2018

Subject: Amendment Nr.2 To ITB for "Construction of Waste Water Treatment Plant in Hassa/Hatay" within the scope of Turkey Resilience Project in Response to the Syria Crisis; Municipal Service Delivery

Ref: UNDP-TUR-ITB(MC2)-2018/06

Dear Madam/Sir,

Please find attached "Amendment to Statement of Works/Technical Specifications", "Answers to Questions from Prospective Bidders" and "Minutes of Pre-Bid Conference and Site Visit" in the context of subject ITB issued on 28 September 2018 for "Construction of Waste Water Treatment Plant in Hassa/Hatay" within the scope of Turkey Resilience Project in Response to the Syria Crisis; Municipal Service Delivery.

You are kindly requested to prepare and submit your bids in response to our subject ITB with the consideration of this amendment, with all other clauses of the ITB remaining valid.

Please be sure that your bids are physically submitted on or before the submission deadline **on 12 November 2018, 2:00 pm (GMT +3, Local time-Turkey)** via courier or hand delivery.

Attachment -1: Amendment to Statement of Works/Technical Specifications

Attachment-2: Answers to Questions from Prospective Proposers

Attachment-3: Minutes of Pre-Bid Conference and Site Visit

Yours Sincerely,

Sukhrob Khojimatov
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ATTACHMENT 1- AMENDMENT TO STATEMENT OF WORKS/TECHNICAL SPECIFICATIONS

The below clauses of ITB for "Construction of Waste Water Treatment Plant in Hassa Hatay" was amended with all other clauses remaining valid.

SECTION 5A.1 STATEMENT OF WORKS/TECHNICAL SPECIFICATIONS

5.1.3. Programme of works for machinery

The Clause;

The programme of works for machinery to be supplied and installed, shall be divided into the following parts: …

is amended as;

The programme of works for machinery shall be submitted to Engineer for approval. The programme shall include the following parts (as minimum): ...

ATTACHMENT 2- ANSWERS TO QUESTIONS FROM PROSPECTIVE BIDDERS

Question 1: Is a bidder qualified for the subject ITB if bidder's average annual turnover is less than USD 8,000,000 for the last three years?

Answer 1: *Please be informed that the minimum eligibility and qualification criteria will be evaluated on a Pass/Fail basis as per the ITB Section 4. The financial standing criterion for the subject ITB is stipulated as "the bidders shall have* ***minimum*** *average annual turnover of USD 8,000,000 for the last three years".*

Question 2: Please kindly confirm the precedence of the following sections of the Schedule of Requirements and Technical Specifications/Bill of Quantities;

- **Particular Specifications for Hassa Wastewater Treatment Plant**
- **Specifications stipulated by Design Drawings**
- **Technical Specifications for Civil/Structural Works, Mechanical Works, Electrical Works**

Answer 2: *Please be informed that the precedence of the sections is stipulated as follow by the ITB Section 5A;*
"In case of any discrepancies between the particular specifications (Section 8 of the statement of work/technical specifications), and technical specifications for Civil/Structural Works, Mechanical Works, Electrical Works (Section 4, 5, 6 of the statement of work/technical specifications) and specifications stipulated by Design Drawings, those shall take precedence over one another in the following order;

- *Particular Specifications for Hassa Waste Water Treatment Plant*
- *Specifications stipulated by Design Drawings*
- *Technical Specifications for Civil/Structural Works, Mechanical Works, Electrical Works"*

Question 3: Section 5A, Article 1.12, "Obtaining of Relevant Approvals and Certificates" stated that the Contractor shall obtain all relevant approvals and certificates from local Authorities regarding construction and operation of the Plants in the site.
Is the construction permit procedure completed or to be completed prior to commencement of works? Will the expected duration of 240 days for substantial completion start following the issuance of the construction permit?

Answer 3: *As per the Bid Data Sheet, maximum expected duration of contract is 240 days, starting from the date on which the Contractor will be given Access to the Site and receive a notice from the*

UNDP Engineer to commence the Works and ending on the date of substantial completion of Works stated in the Certificate of Substantial Completion, including the duration for obtaining of relevant approvals and certificates for execution of works.

Please also be informed that the "Construction Permit" will be obtained by the Contractor prior to commencement of works, collaborating with final beneficiary HATSU.

Question 4: According to Form D, Format of 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".

Based on this statement, please kindly confirm that the control of design drawings and selection of the process is not in the bidder's scope and the bidder will describe its capacity, expertise and method to apply the presented design. In other case, the wastewater quality and the effluent requirements are needed to carry out an engineering design control.

Answer 4: *The Bidders shall prepare and submit their bids as per the design drawings given in the ITB. Meanwhile, as per UNDP General Conditions of Contract for Civil Works, Clause 20-b; The Contractor shall be fully responsible for the review of the Engineering design and details of the Works and shall inform the Employer of any mistake or incorrectness in such design and details which would affect the Works.*

Question 5: In "Section 5a, Schedule of Requirements and Technical Specifications/ Bill of Quantities, item 2.3.1.2, Fire Protection (page 38)", it is stated that the Contractor is responsible for taking necessary precautions for the protection of Works, Temporary Works and any kind of property and person during performance. Neither in the Particular Specifications and Design Drawings, fire-fighting booster set is specified.

Please confirm that a firefighting booster set will be provided with the defined hydrophore sets in T-116 Water Tank/Reservoir.

Answer 5: *"Section 5a, Article 2.3.1.2 Fire Protection" stipulates the obligations of the Contractor during the execution of the works by the Contractor, rather than the permanent works related to the fire protection.*

Fire fighting booster is not required as per the Section 5 of the ITB.

Question 6: Referring to tender dossier, "Design Drawings, *Sürgülü kapak_malzeme listesi // Penstock-Slidegate Material List*", it is stated that the penstock material shall be AISI 304 stainless steel. On the other hand, "Technical Specifications of Mechanical Works, page 94, item 5.8.9 Penstocks" stated that "Stainless steel in accordance with TS EN 10088-1 grade 1.4404 (AISI 316 L stainless steel), with EPDM sealing faces". Please clarify this discrepancy about the material of the penstocks.

Answer 6: *With reference to the Section 5a, the precedence of the specifications is stipulated as;*
Unless otherwise stipulated in the related sections of technical specifications, the following sections shall take precedence over one another in the following order in terms of technical specifications/requirements;
1) Section 5A.2 Specifications for Items/Pose Definitions
2) Section 5A.3 Design Drawings
3) Section 5A.1 Statement of Works/Technical Specifications
In this regard, the design drawings will prevail for the subject discrepancy on the material of penstocks, the material for the penstock shall be AISI 304 stainless steel as per the design drawings.

Question 7: In the "Design Drawings, Mechanical Equipment Information Sheets", the fine screens are defined as bar screens with 15 mm bar spacing, constructed by AISI 304. However, "Technical Specifications of Mechanical Works, page 111, item, 5.8.14, Fine Screens" describes the fine screens as perforated plate or drum screens with 6 mm perforation, constructed by stainless steel 1.4404 (AISI 316 L)". According to the priority lists of the tender documents, it is

estimated that bar screens will be provided based on the design drawings. However, the screening capture and efficiency of perforated screens are superior compared with the bar screens. Please confirm the type and specifications of the screens.

Answer 7: *Referring the precedency of the sections confirmed by Answer 6, the design drawings shall prevail. The type and properties of the screens shall be automatic, bar screens with 15 mm bar spacing, constructed by AISI 304.*

Question 8: In "Technical Specifications of Mechanical Works, page 112, item 5.8.16, Screening press", a screening press is defined for the compaction of fine screenings. However, there is no screening press in the design drawings. Please clarify whether a screening press will be provided for fine screenings.

Answer 8: *Referring the precedency of the sections confirmed by Answer 6, the Design Drawings shall prevail. Screening press is not required as per Design Drawings.*

Question 9: In "Technical Specifications of Mechanical Works, page 114, item 5.8.18, Diffusers in Grit Chambers, tiny bubble membrane and ceramic diffusers are required. In common practice, air for the removal of floatable materials, like oil and grease, seeds and litters, from the wastewater is provided through SS pipes with coarse openings to create a spiral flow. Please clarify the aeration system for Grit Chambers.

Answer 9: *Referring the precedency of the sections confirmed by Answer 6, the Design Drawings shall prevail. Aeration system shall be "stainless steel coarse bubble tube diffusers" as per the Design Drawings.*

Question 10: In "Design Drawings, ENG-MEK07_1_2_Havalandirma_Mek4MEK-07.2 T109 -B AERATION TANK MECHEQUIPMENT AND DIFFUSER LAYOUT SECTIONS.pdf", there is a statement that "the total number of Ø270 diffusers in each pool = 5x(60x3)=300 pieces". According to "ENG-MEK07_1_2_Havalandirma_Mek4-MEK-07.1 T109 A-B AERATION TANK MECHEQUIPMNET AND DIFFUSER LAYOUT PLAN", the total number of diffusers in each basin is 5x(18x3)=270 nos. and the total number for 2 basins is 540 nos. Please confirm that 540 nos. diffusers will be provided in total.

Answer 10: *It is confirmed that the total number of diffusers shall be 540 for two basins.*

Question 11: According to the presented design, air flow control is carried out by the means of NH_4 measurement in the Aeration Tanks and there is no air flowmeter in the pressure line of the air blowers. Please confirm that air flowmeter will not be provided.

Answer 11: *The air flow in the basins will be controlled by oxygen-meter, and the air flow control is not required for the pressure line.*

Question 12: Is there any available ground survey for geotechnical examination of the site? Is there any lava tunnel in the site? What is the ground water level? If the ground water level is high, is any precaution considered in the civil design for floating of the concrete structures because of buoyancy force of ground water?

Answer 12: *Please kindly refer to the below result and recommendations extracted from the approved soil investigation report for any related information. In accordance with the soil investigation, ground water was not observed at the site.*

Results and Recommendations by the Soil Investigation Report:

Based on the drilling, 120.00 m in total;

- *Quaternary alluvium units are observed in the whole area. In the examination area there is vegetal earth on SK1,SK2,SK3,SK4,SK5,SK6 between 0,00–0,20 m; there is medium solidity less pebbled silty clay sand on SK1,SK2,SK3,SK4,SK5,SK6 between 0,20-3,00 m; there is low clay sandy blocky gravel units on SK1,SK2,SK3,SK4,SK5,SK6 between 3,00 - 20,00 m.*

- *In the field, the basement floor is composed of less pebbled silty clay. Average between 0.20 and 3.00 m, in medium-solid viscosity, generally fine grained; the basic design parameters of the basic unit in the GC-GM group range (taking into account that it is located in the earthquake zone by 1st degree) are proposed below.*

Excavation Depth (m)	Layer of Building	q em (kg/cm^2)	Building Importance Factor	Soil Modulus (t / m3)	Soil Group	Soil Class
Min. 1.50 m From the lowest cost	less pebbled silty clay sand	1,80	1,5 (Table-11)	3000 (Table-8)	B2	Z2
					(AİGM,1996)	

- *Groundwater formation was not detected in the drillings. It is recommended to take precautions such as basic insulation and drainage by taking into account the effects of seasonal rainfall.*
- *For liquefaction on fine-grained soils, the following 3 criteria must be met:*
    - *The dry weight percentage of particles less than 0.005 mm should be less than 15% on the floor (0.005 mm to <15 percent).*
    - *The liquid limit value must be less than 35 (LL <35).*
    - *The water content of the floor (W) should be greater than 0.9 of the liquid limit. (W> 0.9 * LL)*

  Where the fine-grained ground does not meet all of these three criteria, the ground is generally considered to be non-sensible. Moreover, since there is no groundwater in this ground, liquefaction is not expected.
- *The ground is based on a gravely low silty clay slab (0.51 - 3.00 m) (SK1, SK2, SK3, SK4, SK5, SK6). In this type of ground conditions, seating is not expected. In addition, swelling is not expected under these ground conditions.*
- *The field is an empty parcel. There is 0 - 0.20 meters of vegetable soil on the ground. Horizontal / vertical = 1/3 as horizontal and vertical = 1/3 slope inclination as temporary excavation scale is recommended without taking any precautionary measures for the construction base planned to be built on the site.*
- *For structural fillings to be made under the structure of the site, it is recommended to use a filling material after removing amount of material greater than 10 cm.*
- *There has not been any natural disasters and any changes in surface structure (swelling, creeping, sedimentation, spreading, etc.) such as landslides, rock falls, etc. that have a negative impact on the construction, in the examination area.*
- *During the construction of the building, regulations about the buildings to be built in earthquake zones of the The General Directorate of Disasters must be observed.*

Question 13: During the execution of the project, is it possible for the Contractor to change the levels of the hydraulic structures in case of any necessity resulted from the site conditions?

Answer 13: *With reference to the Clause 15, 20-b and Clause 48 of "UNDP General Conditions of Contract for Civil Works, Engineer has the authority to introduce any variations to form, type or quality of the Works.*

Question 14: In "Design Drawings, Mechanical Equipment Information Sheets", aeration tank blowers are specified as turbo blowers with the capacity of 1272 Nm3/h at 600 mbar. Optimal use of turbo blowers is for the capacity of >2,000 Nm3/h. For the presented capacity, the electricity consumptions of both positive displacement roots type blowers and centrifugal turbo blowers will be quite similar. Please clarify whether roots type blowers can be provided.

Answer 14: *As per "Design Drawings, Mechanical Equipment Information Sheets", the type of blower shall be turbo blowers.*

Question 15: According to "Section 3, Bid Data Sheet, BDS no: 26, (p. 19), "the Bidder shall consider inclusion of the costs which will be borne by the Contractor during defect liability period in terms of operation and maintenance of plant and training of operational staff, while inserting the prices in the Bill of Quantities." Please confirm that the cost of the 12 months operation and maintenance period will be included in the unit price of each item/pose in the Bill of Quantities.

Answer 15: *For financial proposals, the bidders shall consider the fact that all costs related to 12 Defects Liability Period will be borne by the Contractor. The cost for the defects liability period shall be included in each unit price in a reasonable ratio.*

Question 16: Please give the details for the location of sludge cake disposal facility, the distance between the disposal site and WWTP site and specific disposal cost per ton of dewatered sludge cake.

Answer 16: *Sludge cake will be transported to disposal facility by the final beneficiary, HATSU, the Contractor will not be responsible for transportation and disposal of sludge cake.*

Question 17: Can you please indicate the specific costs for electricity, potable water, powder and liquid cationic polyelectrolytes?

Answer 17: *It is sole responsibility of the Bidders to determine the specific costs for electricity, potable water, powder and liquid cationic polyelectrolytes.*

Question 18: According to "Technical Specifications for Civil/Structural Works, page 48, item, 4.1.12, Disposal of Surplus Material, "the Contractor shall be responsible for negotiating and securing suitable areas for disposal of surplus excavated materials and shall pay any fees or other payments associated with such disposal". Please give the details for the location of disposal site, the distance between the disposal site and WWTP site and specific disposal cost for surplus excavated material.

Answer 18: *Due to the nature and quantity of disposal material, the disposal site and related fees will be determined by the Metropolitan Municipality of Hatay. The fees and place may change according to the application time. Metropolitan Municipality may be contacted by the Bidders for an approximate cost and place for disposal.*

Question 19: In "Design Drawings, ENG-Dekantor_bilgi_foyu_A3-OK-DECANTER INFORMATION SHEET", the sludge cake dryness is presented as 22%. However, in "Technical Specifications of Mechanical Works, page 124, item, 5.8.31, the required DS in sludge out is stated as minimum 25%. Please clarify.

Answer 19: *Referring the precedency of the sections confirmed by Answer 6, Design Drawings will prevail. DS in sludge cake shall be 22% as per Design Drawings.*

Question 20: In "Pose/Item Definitions for Other Electrical Works (p. 302)", 2 sets of pH meters for pH metering in Aeration Tanks are defined. In the drawing of "P02_P&I_3-2013-P02 P&I DIAGRAM", only DO, NH4+ and ORP measurements are illustrated. Please confirm that separate pH meters will be provided according to pose/item definitions.

Answer 20: *Referring the precedency of the sections confirmed by Answer 6, Section 5A.2 Specifications for Items/Pose Definitions will prevail. pH meters shall be provided as per the Items/Pose Definitions.*

Question 21: In "Pose/Item Definitions for Mechanical Works (p. 269)", motor-controlled slide covers (penstocks) are defined in MB 1959 By-pass Flume Unit. Please confirm that these 2 nos.

motor-controlled penstocks will be provided as proportionally controlled penstocks in order to control the wastewater flow to the treatment plant automatically.

Answer 21: *The penstocks shall be on-off motor-controlled type.*

Question 22: Referring to Form C: Eligibility and Qualification Form (page 6), it is stated that "Statements of Satisfactory Performance from the Top 3 (three) Clients or more". Will the work experience certificates for reference projects meet that requirement?

Answer 22: *The work completion certificates showing satisfactory performance are acceptable as "Statements of Satisfactory Performance".*

Question 23: Shall we submit BoQ in both electronic copy as excel format and printed copy as part of Form E?

Answer 23: *All bidding forms including Form E, under Section 6 of the ITB shall be duly completed and provided as part of the Bid submission. The BoQ in excel format is also required as the electronic copy of your financial proposal.*

Question 24: Regarding bid security, banks stated that the validity date shall be indicated on the Bid Security. Could the validity date be inserted to the Bid Security template?

Answer 24: *As per the Form G; Bid Security, it is stipulated that no changes may be made on the template of bid security template except for indicated fields. However, the validity date, that will cover required validity period in the ITB, may be inserted to the template without any other change on the template.*

Question 25: According to "Section 5a, Schedule of Requirements and Technical Specifications/ Bill of Quantities, Part 8 of Particular Specifications for Hassa Wastewater Treatment Plant (p. 193)", "according to updated version of Article 20 of Water Pollution Control Regulation published in the Official Gazette of Republic of Turkey dated 13 February 2008; sampling structure, automatic sampling and flow measuring instruments shall be installed at the outlet point of the wastewater treatment plant." In the Notification for Online Effluent Monitoring Systems, published in the Official Gazette of Re-public of Turkey dated on 22 March 2015, online effluent discharge monitoring systems should be installed and operated for the wastewater treatment plants with the capacity of more than 10,000 m3/d. Please confirm that only automatic sampling and flow measuring instruments will be provided and supply of the online effluent discharge monitoring systems is out of the Contractor' scope because of the plant capacity.

Answer 25: *The capacity of the plant is below 10,000 m3/d, therefore continuous effluent monitoring system (SAIS) is not in the scope of the contract in accordance with the related communique.*

Question 26: According to "Section 5a, Schedule of Requirements and Technical Specifications/ Bill of Quantities, Part 7 of Training, Operation and Maintenance (p. 183)", The Contractor shall be overall responsible for operation, supervision and maintenance of the Hassa WWTP during the 12 months Defect Liability Period in such a manner that it ensures the required quality of treated wastewater and sludge. In order to calculate the operation and maintenance costs properly, please provide the following data.

a. Daily average wastewater flow
b. Maximum hourly wastewater flow
c. Wastewater BOD and suspended solids concentrations
d. Min and max temperatures of wastewater through the year
e. Biological sludge production in terms of kg DS/day for winter and summer seasons
f. Average operation hours of major equipment, such as inlet pumps, blowers and decanters for winter and summer seasons?

Answer 26: *The process design was executed in line with the projected capacity for year 2035. The below parameters are foreseen for 2035, the actual wastewater quantity and quality may change for*

the operation period. The Bidders are expected to calculate the related costs in line with the current population of Hassa and population projection for the operation period.

Answer for a and b;

Flow rate for waste water	N2035 = 40.000 p.e			N2050 = 60.000 p.e		
	m³/day	m³/h	l /s	m³/day	m³/h	l/s
Q24	4000	166,7	46,3	6000	250	69,4
Q14	6857,1	285,7	79,4	10.285,7	428,6	119
Q12	8400	350	97,2	12.600	525	145,8
Q37	2594,6	108,1	30	3891,9	162,2	45

Answer for c;

Parameters for wastewater	N2035= 40.000 p.e. Q24 = 4000 m³/day		N2050= 60.000 p.e. Q24 = 6000 m³/day	
	Pollution load (kg/day)	Concentration (mg/l)	Kirlilik Yükü (kg/day)	Concentration (mg/l)
BOD (BOİ5)	1000	250	1500	250
SS (AKM)	1400	350	2100	350
Nitrogen (TKN)	200	50	300	50
Phosphor (TP)	40	10	60	10

Answer for d;

Temperature of waste water is proposed as follows;
In winter: 12°C
In Summer: 20°C

Answer for e; The sludge quantity was provided only for summer season by project report; 660.6 kg/day

Answer for f; The average operation hours of major equipment shall be foreseen by the Bidders in line with the given parameters.

Question 27: Regarding the classes of concrete to be used in the Works; In "Section 5A.1 Statement of Works / Technical Specifications", "Part 4. Technical Specifications for Civil / Structural Works" in Clause 4.3.3. "Classes of concrete", the grades of concrete to be used is defined as follows: (p. 55)

Concrete class	Minimum cement content	Characteristic cylinder strength at 28 days	Characteristic cube strength at 28 days	Works to be used
C20/25	250 kg/m3	20 N/mm2	25 N/mm2	- Buildings - Roads & kerbs -Surface drainage units

While in "Section 5A.2 Specifications for Items/Pose Definitions", items/poses related to reinforced concrete types are defined as follows: (pp. 227 & 330)

No	Pose/Item No	Pose/Item Definition (in English) // Poz tanımı (in Turkish)	Unit
19	Y.16.050/14	Pouring, purchased, C20/25(BS25) ready mix concrete with concrete pump (including transportation) // Beton santralinde üretilen veya satin alınan ve beton pompasıyla	m3

		basılan, C20/25 basınç dayanım sınıfında beton dökülmesi (beton nakli dahil)	

However, the concrete classes are defined in the Design Drawings as follows:

- **Hydraulic Structures (Reservoirs): C30/37 WR**
- **Soil Embedded Non hydraulic Structures : C25/30 WR**
- **Non hydraulic Building type structures : C25/30**

Since no C25/30 class concrete is defined in the items/poses, can you please verify that C25/30 class concrete shall be used for "non-hydraulic building type structures", and thus pose/item no. Y.16.050/14 shall be interpreted as "Pouring, purchased, C25/30 (BS25) ready mix concrete with concrete pump (including transportation)"

Answer 27: *Referring to Answer 6, "Section 5A2 Specifications for Items/Pose Definitions" shall prevail. The concrete class for all structures shall be C30/37 except enclosure wall as per Specifications for Items/Pose Definitions.*

Question 28: In Section 5A.1 Statement of Works / Technical specifications - in article "5.8.35. Potable water supply system" it is not clear, who will be responsible for permanent water supply pipeline installation till the border of the treatment plant. Please clarify who will be responsible for that.

Answer 28: *The permanent water supply pipeline installation is under the scope of the contract; the details of implementation are given in the Design Drawings.*

Question 29: In Section 5A.1 Statement of Works / Technical specifications - in article "8. Particular Specifications for Hassa Waste Water Treatment Plant" it is stated that "According to updated version of Article 20 of "Water Pollution Control Regulation published in the Official Gazette of Republic of Turkey dated 13 February 2008; sampling structure, automatic sampling and flow measuring instruments shall be installed at the outlet point of the waste water treatment plant". But in pose/item definitions in Special/Civ/02 on page 234 It is only defined "a cabinet" as requirement. Please clarify that these specific instrumentations will also be in contractors' scope and will be calculated and priced in Special/Civ/02 item.

Answer 29: *Pose/item Special/Civ/02 includes the price of the automatic sampling device and the flowmeter. Payment for other required instrumentation will be made in accordance with the pose/item Special/Ele/11 as per the ITB.*

Question 30: In Section 5A.1 Statement of Works / Technical specifications – in article "5.8.14. Fine screens" screen press is required for fine screens. However, the screen presss is not required by item definition of "Special/Mec/05" and design drawings. For regular and efficient operation, press screen is strongly advised. Please clarify the requirement for the press screen.

Answer 30*: Referring the precedency of the sections confirmed by Answer 6, "Section 5A2 Specifications for Items/Pose Definitions" and Design Drawings shall prevail. Screen press is not in the scope of the contract.*

Question 31: Section 5A.1 Statement of Works / Technical specifications, Article "7.5.2. Maintenance program" stated that "Database software for maintenance program to be put in place by the Contractor shall be based on a recognized maintenance methodology." Please clarify whether a licensed asset and maintenance management software or a simple excel based maintenance management is required.

Answer 31: *Database software for maintenance program to be put in place by the Contractor shall be based on a recognized maintenance methodology as per the technical specifications. Licensed asset and/or software is not required; however, the maintenance program is subject to approval of Employer.*

Question 32: Is it possible to extend the expected duration of works?

Answer 32: *The expected duration of the work was determined in line with the requirements of the project, expected duration of work can not be extended.*

Question 33: In Section 5A.1 Statement of Works / Technical specifications - Article "5.8.3 Ventilation", the inlet structures are described as covered and mechanically ventilated units. Also, a bio-filter is mentioned for the exhaust air of inlet and sludge facilities. On the contrary, in particular specifications and in all drawings, there is no biofilter and the inlet works are installed outdoors. Please confirm that there will be no bio-filter and the design in the drawings (fans, aspirators etc.in closed buildings) will be followed.

Answer 33: *Referring to Answer 6, "Section 5A2 Specifications for Items/Pose Definitions" and Design Drawings shall prevail. Bio-filter is not in the scope of the contract.*

Question 34: Please confirm the second stage of the plant is not in the scope of the contract.

Answer 34: *The second stage of the plant is not in the scope of the contract. However, any works for connection and extension points to second stage shall be in the scope of this contract in line with the design drawings.*

Question 35: Please clarify the responsibilities of the contractor for the 1-year operation period.

Answer 35: *As per the Article 7.1 of the Section 5A.1, the Contractor shall be overall responsible for operation, supervision and maintenance of the Hassa Wastewater Treatment Plant during the 12 Months Defect Liability Period in such a manner that it ensures the required quality of treated wastewater and sludge. All operational costs will be borne by the Contractor, including labor costs, utility costs, consumable and spare parts. The Contractor shall also be responsible for the obligations stipulated for the "Defect Liability Period" as per the UNDP General Conditions of Contract for Civil Works.*

Question 36: Please confirm the official address of UNDP for the Bid Security.

Answer 36: *The Bid Security shall be addressed to "United Nations Development Programme, Yıldız Kule, Yukarı Dikmen Mah. Turan Güneş Blv No:106 06550, Çankaya/Ankara TURKEY".*

ATTACHMENT 3- MINUTES OF PRE-BID CONFERENCE AND SITE VISIT

Pre-bid conference was conducted on 31 October 2018, 10:00 am, at the premises of HATSU in Hassa Hatay(Turkey), as stipulated by the Bid Data Sheet. UNDP held the conference with participation of representatives of several prospective bidders, final beneficiary HATSU, implementing partner İlbank.

The prospective bidders were firstly informed that no verbal statement made during the conference shall modify the terms and conditions of the ITB, unless specifically incorporated in this Minutes of the Pre-Bid Conference or issued/posted as an amendment to ITB.

The following provisions of the ITB were emphasized prior to getting questions from the prospective bidders.

- The Bid, as well as any and all related correspondence exchanged by the Bidder and UNDP, shall be written in English.
- A Bid Security shall be provided in the amount of USD 100,000 and using the template given in Section 6 of ITB. The Bid Security shall be valid for a minimum of thirty (30) days after the final date of validity of the Bid.
- Advance payment upon signing of contract is allowed up to a maximum of 20 % of contract value.
- The contract will be awarded to only one bidder who submits the lowest priced technically qualified and eligible bid.
- Expected date for commencement of Contract is December 22nd, 2018.
- UNDP General Conditions of Contract for Civil Works will be applied, which can be accessed at http://www.undp.org/content/undp/en/home/procurement/business/how-we-buy.html.
- UN and its subsidiary organs are exempt from all taxes. Therefore, bidders shall prepare their Bids excluding Value Added Tax (VAT). It is the Bidder's responsibility to learn from relevant authorities (Ministry of 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 Finance's General Communiqués. The Contractor to be selected shall not be entitled to receive any amount over its Bid price in relation to VAT, Special Consumption Tax and any other applicable taxes.
- UNDP's tax exemption is not automatically extendable to its vendors.
- As the minimum qualification criterion, the bidders must have successfully completed, as the prime contractor, minimum one works contract with the scope of construction of municipal water and/or waste water treatment plant, and a minimum value of USD 3,500,000 over the last five years.
- As the minimum qualification criteria, the bidders shall have minimum average annual turnover of USD 8,000,000 for the last three years. The prospective bidders were reminded that the USD amount pertaining to each of three years (2015, 2016 and 2017) shall be calculated through use of 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
- Under the scope of work, the contractor shall undertake the following works;

- Excavation and filling for all designed structures according to the site excavation plan,
- Engineering designs for wastewater treatment plant if required by this statement of works,
- Construction of the complete wastewater treatment plant including the supply and installation of electrical and mechanical equipment and all auxiliary facilities for the operation of the plant,
- Testing, start-up and trial operation and commissioning of the plant,
- Providing all "as-built drawings", operation manuals and all summary tables of laboratory results at the end of the Works, fully describing the finalized Permanent Works,
- Training of operational staff,
- Operation of the wastewater treatment plant for 12 months period,
- Execution of any outstanding work and all such works of repair, amendment, reconstruction, rectification, and making good defects, imperfections, shrinkages or other faults required by Engineer during the Defects Liability Period for 12 months period.

- The precedence of the sections and/or articles under "Section 5A: Schedule of Requirements and Technical Specifications/Bill of Quantities" was emphasized.
  - Unless otherwise stipulated in the related sections of technical specifications, the following sections shall take precedence over one another in the following order in terms of technical specifications/requirements;
    1) Section 5A.2 Specifications for Items/Pose Definitions
    2) Section 5A.3 Design Drawings
    3) Section 5A.1 Statement of Works/Technical Specifications

  - In case of any discrepancies between the particular specifications (Section 8 of this statement of work/technical specifications), and technical specifications for Civil/Structural Works, Mechanical Works, Electrical Works (Section 4, 5, 6 of this statement of work/technical specifications) and specifications stipulated by Design Drawings, those shall take precedence over one another in the following order;
    1-Particular Specifications for Hassa Waste Water Treatment Plant
    2-Specifications stipulated by Design Drawings
    3-Technical Specifications for Civil/Structural Works, Mechanical Works, Electrical Works

In the second session of the pre-bid conference, the questions of the prospective bidders were responded by representatives of UNDP, HATSU and İlbank. Each questions and answer are given below:

Question: Regarding the design drawings for mechanical works, there are several discrepancies between drawings and the mechanic information sheets.
Answer: In case of any discrepancy between the information sheets and drawings, information sheets shall prevail.

Question: Is it mandatory to attend the pre-bid conference?
Answer: Non-attendance will not result in disqualification of an interested Bidder.

Question: Shall bidders pay any fee for the ITB and its annexes?
Answer: UNDP do not charge any fee for bid documents and bidding, all documents can be downloaded from UNDP website,

http://procurement-notices.undp.org/view_notice.cfm?notice_id=50201

Question: Is it possible to extend the expected duration of works?

Answer: The expected duration of works was determined according to the requirements of the project; the duration of the works cannot be extended.

Question: Please clarify the power and authority of the parties on the Contract, i.e. Ilbank, HATSU.
Answer: In line with the UNDP General Conditions of Contract for Civil Works, the contract will have three parties UNDP, Engineer and Contractor. The UNDP is the employer and the Engineer will be an independent supervision company. İlbank and HATSU will act as the observer, and as the final beneficiary and the implementing partner of the project, they have the right to access site in any time to monitor the progress of work. However, they do not have legal authority and power on the Contract.

Question: Is any ratio for contingency reserve/provisional sum foreseen by the price schedule?
Answer: In line with the UNDP General Conditions, contingency reserve was not proposed by the price schedule. However, the payments for the actual quantities executed by the Contractor will be made by approval of the Engineer. The contract price may be increased in case of any variation for quantity or quality of works in line with the Clause 48 of General Conditions.

Question: Will there be any deduction from the monthly progress payments, such as retention money?
Answer: As per the ITB, the amounts of the interim payments will be subject to a deduction of 40 % the amount accepted for payment until the cumulative amount of the deductions so effected shall equal the amount of the advance payment. No retention money will be deducted from the monthly progress payment.

Question: Is any ratio for contingency reserve foreseen by the price schedule?
Answer: In line with the UNDP General Conditions, contingency reserve was not introduced in the price schedule. However, the payments for the actual quantities executed by the Contractor will be made by approval of the Engineer. The contract price may be increased in case of any variation for quantity or quality of works in line with the Clause 48 of General Conditions.

Following the pre-bid conference, the construction site was visited with the prospective bidders. The prospective bidders were informed about the existing site conditions. General layout was introduced, the discharge point for treated water, waste water mainline, and other connection points for utilizes were shown to the prospective bidders.