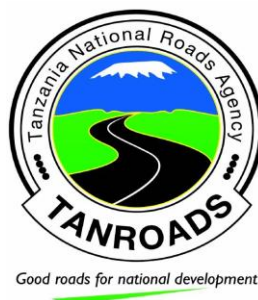


THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF WORKS, TRANSPORT AND COMMUNICATION



**CONSTRUCTION OF MSALATO INTERNATIONAL AIRPORT – PHASE ONE, LOT 1,
 PACKAGE 1: INFRASTRUCTURE**

TENDER NO. AE/001/2019-20/HQ/W/38

Clarification No. 1 to the Bidding Documents

Date: 24th April 2020

S/No.	Questions	Employer's Response
1	Conditions of contract; please advise the contract type, i.e. Fixed price lump sum contract or re-measurable contract	<i>The type of Contract shall be admeasured Contract.</i>
2	Kindly provide the battery limits of the project	<i>Response will be provided soon.</i>
3	Invitation for Bids/ Item 9 Bidding Procedure ITB 7.4; The "Bidding Procedure" document states that the site visit will take place on the 23 rd March, 2020. Due to current travel restrictions related with the Covid-19 outbreak, we kindly ask you to consider postponing the site visit for atleast 14 days.	<i>The Pre-Bid Meeting was held as scheduled and the Minutes of Pre-bid meeting were communicated to all prospective bidders.</i>
4	Request for postponing site visit	<i>The Pre-Bid Meeting was held as scheduled.</i>
5	Request for amendment of Sub- clause 3.4.2: Specific Experience of the bidding documents; it is required that the Bidder should be engaged in "Participation as contractor, management contractor or subcontractor, in at least three (3) contracts within the last Ten (10) years, each with a value of at least US\$ 100,000,000.00 that have been successfully and substantially completed and that are similar to the proposed works"	<i>The Employer is unable to grant the bidder's request for change of evaluation criteria and the Clause remains unchanged.</i>

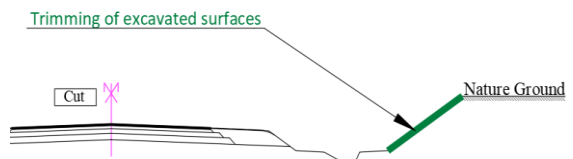
S/No.	Questions	<i>Employer's Response</i>
	<p>As far as we know, there are only a few companies who manage to meet this requirement. As the common practice in China for airport construction, the Employer breaks the construction into sections and awards them to several contractors through tendering procedures. Thus for each of the projects completed, the amount seldom exceeds US\$ 100,000,000.00.</p> <p>We would like to request you to consider amending this requirement both in contract numbers and contract value, which will allow more qualified bidders to participate in this bid for the sake of the project and the Employer.</p>	
6	<p>Part 1- Bidding Procedures/ Section II – Bid Data Sheet/ ITB 1.1: Bidders are not allowed to bid for both packages.</p> <ul style="list-style-type: none"> • Is a company allowed to participate in both packages as a leader of a Joint Venture with two different partners? • Is a company allowed to participate in one package as Joint Venture Leader and in one package as Joint Venture Member with different partners? 	<i>Response will be provided soon.</i>
7	<p>Part 1- Bidding Procedures/ Section III – Qualification/ Factor 3.4 – Experience / 3.4.1 – General Experience: Experience under construction contracts in the role of contractor, subcontractor or management contractor for last ten (10) years (2009-2018) prior to bid submission deadline, and with activity in at least nine (9) months in each year.</p> <p>Being currently in 2020, we kindly ask you, if it would be correct to consider (2010-2019) as last ten (10) years for contractor's experience evaluation.</p>	<i>Construction contracts completed between 2019 and 2020 shall also be considered in evaluation of the Bidders' experience.</i>
8	<p>Reference is made to ITB of the bid data sheet, which indicates Goods and Services to be procured for the purpose of execution of the project may be exempted from taxes and duties. We would like to request for a clear position whether the goods and services will</p>	<i>Response will be provided soon.</i>

S/No.	Questions	Employer's Response
	be tax exempt or not.	
9	There is no calculation method for the interest of delayed payment in the section VIII. Particular condition (PC). The calculation method is only stated in the general conditions (GC). Please clarify whether the interest is calculated according to the GC.	<i>Bidders' attention is drawn to the requirement of Clause 14.8 of General Conditions of Contract (GCC)</i>
10	The advance payment is divided into two instalments in the special conditions (SC) 14.2.1, which states that "The first installment shall not exceed 10% of the accepted contract Amount. ."Consider the project needs large investment during its goes smoothly, we hereby suggest to replace the two instalments into one payment with 15% of the contract Amount.	<i>Advance Payment shall paid in two instalments as stipulated in Sub-Clause 14.2.1 of Particular Conditions (PA)</i>
11	Please provide information and cross section drawing for Equipped 1 BOQ, section drainage item 5.A.1.4	<i>Typical Drawing for the Drainage are found in Drawing NO.301-EAE-SWDO-DW-130-002 included in the Bidding documents</i>
12	Please provide information for thickness of concrete mentioned in drawing NO.301-EAE-SWDO-DW-130-002 for Trapezoidal concrete ditches.	<p><i>I. For Covered Drains (Across the Runway, Taxiway and Apron) the thickness is 250mm throughout,</i></p> <p><i>II. For Covered Gutter the thickness is 150mm throughout,</i></p> <p><i>III. For Culverts the Thickness is 150mm throughout,</i></p> <p><i>IV. For lined ditch the thickness is 100mm</i></p> <p><i>Blinding is 100mm thick for drainage structure except for lined ditch where its 50mm thick</i></p>
13	Please provide information and drawings for apron area. Is the constriction detail such as dowels act	<i>Response will be provided soon.</i>
14	As per the outbreak of pandemic COVID-19, It is impossible to get any quotation from the suppliers and manufacturers nowadays. AS most of the supplies shall be done international resources we advise to postpone tender at least two months in order to prepare a more competitive offer.	<i>The bids submission date has been extended from 29th April 2020 to 15th May 2020. Refer Addendum No.1</i>
15	General Part-1 "Bidding Procedure Package", Section II. Bid Data Sheet, D. Submission and Opening of Bids ITB 22.1 (b) it is mentioned	<i>Bidders are allowed to submit their bids through courier services. However, Bidders are required to ensure that their</i>

S/No.	Questions	Employer's Response
	that, "the electronic bidding submission procedures shall be: Not applicable". Could you please clarify if tenderer can submit their bids hard copy by mail/cargo?	<i>bids are properly sealed and bear correct name of the project and Tender Number and shall reach the Employer's address within the bids submission deadline.</i>
16	Drawings Tenderers couldn't find the following drawings in the tender documents. Could you please share the drawing? 3 01 EAE WSF DW 130 201 B Water Supply System	<i>Response will be provided soon.</i>
17	Preambles to Bill of Quantities We could not find preambles in the tender documents. The Client is kindly request to provide the same.	<i>Response will be provided soon.</i>
18	Approved/preferred Vendor List The Client is kindly requested to provide his approved/preferred Vendor List	<i>Please refer to the specification for approved or preferred vendors</i>
19	<p>Drawing 301-ITAC-GEN0-DW-000-002-C Drawing 301-ITAC-TRS0-DW-110-003-C Drawing 301-ITAC-TRS0-DW-110-004-C Drawing 301-ITAC-TRS0-DW-110-007-C Drawing 301-ITAC-TRS0-DW-110-008-C Drawing 301-ITAC-TRS0-DW-110-010-C Drawing 301-ITAC-TRS0-DW-110-011-C "Master Plan - Phases I Horizontal Alignment & Profile - Taxiway A Horizontal Alignment & Profile - Taxiway B Horizontal Alignment & Profile - Taxiway E Horizontal Alignment & Profile - Taxiway F Horizontal Alignment & Profile - Taxiway G Horizontal Alignment & Profile - Taxiway H" "The aforesaid drawings shows layout and details for Taxiways from A to H. However, Bidder could not identify any quantities related to the Taxiways A,B, E,F,G & H in the provided BOQ.</p> <p>The Client is kindly requested to confirm whether the scope of works for this tender is limited only for works for Taxiways C & D only or advise otherwise. "</p>	<i>Only Taxiway C and D are for this Scope of Works</i>

S/No.	Questions	Employer's Response
20	<p>Drawing 301-ITAC-GEN0-DW-000-006-B</p> <p>Drawings 301-ITAC-GEN0-DW-000-001-C-1 to 7</p> <p>Drawings 301-ITAC-GEN0-DW-000-002-A-1 to 7" "Topographical Plan</p> <p>Layout Plan (Sheets 1 to 7)</p> <p>Currents Works (Sheets 1 to 7)" The Client is kindly request to provide the native files (ACAD format) of the aforesaid drawings, and to provide the conversion parameters to UTM Global Coordinate System</p>	<p><i>The ACAD drawings shall be provide to the successful bidder so as the conversion parameters</i></p>
21	<p>"In the ITB received for Phase One, Lot 1, package 1 - infrastructure, we noticed that 2 folder are under the same name of ""SPECs"". The Client is kindly request to confirm that the following listed immediately below specifications are all not part and does not belong to Lot 1, package 1 - infrastructure scope:</p> <ul style="list-style-type: none"> - PART 1- Architectural works - PART 2 - STRUCTURAL WORKS - PART 3-1 - ELECTRICAL WORKS - PART 3-2_LIFTS & ESCALATORS - PART 3-3_MECHANICAL WORKS - PART 3-4_FIREFIGHTING WORKS - PART 3-5_EQUIPMENT - PART 4-FIREFIGHTING VEHICLES - PART 5 - AIR NAVIGATION - PRELIMINARIES AND GENERAL ITEMS" 	<p>PART 1- Architectural works</p> <p>- PART 2 - STRUCTURAL WORKS</p> <p>- PART 3-1 - ELECTRICAL WORKS</p> <p>- PART 3-2_LIFTS & ESCALATORS</p> <p>- PART 3-3_MECHANICAL WORKS</p> <p>- PART 3-4_FIREFIGHTING WORKS</p> <p>- PART 3-5_EQUIPMENT</p> <p>- PART 4-FIREFIGHTING VEHICLES</p> <p>- PART 5 - AIR NAVIGATION</p> <p>- PRELIMINARIES AND GENERAL ITEMS"</p> <p><i>Yes the aforesaid item do not belong to Package 1</i></p>
22	<p>Drawing 301-ITAC-GEN0-DW-000-002-C</p> <p>Master Plan - Phases I</p> <p>The Client is kindly requested to clarify whether all roads (TCS1, TCS2, TCS3, TCS4 & TCS5) are fully to be constructed in Phase I, Lot 1, package 1 - infrastructure.</p>	<p><i>Not all roads will be constructed in this Package 1.</i></p>
23	<p>PART 3 – Conditions of Contract and Contract</p> <ul style="list-style-type: none"> • The Client is kindly requested to provide project schedule, time line and Commencement Date. Furthermore, Please advise expected Contract award date" • Our understanding that Contractor's scope in design shall be limited on providing shop drawings only. Please confirm. 	<ul style="list-style-type: none"> • <i>Bidders' attention is drawn to the requirement of Sub-Clause 1.1.3.3 and 1.1.3.7 of the Particular Conditions (PA). The Contract award date is expected to be between July and August 2020.</i> • <i>Yes, the Contractor shall be required</i>

S/No.	Questions	Employer's Response
		<i>to provide shop drawings only.</i>
24	<p>"It's the Bidder understanding that many Contractors will work in different package at the same time. The Client is kindly requested to advise battery limits between tendered packages:</p> <ul style="list-style-type: none"> a. Interface plan at site; b. Security control at site and access points; c. Work schedule for each other Contractors; d. any shared facilities at site" 	<i>The details shall be provide during execution of the project especially during Mobilization Period</i>
25	<p>"The Specifications, Part 1 – Preliminaries and General Items page 1 -2 asks for the Contractor to allow for conducting Geotechnical investigation although a full report covering this is already done and provided in the tender documents.</p> <p>The Client is kindly requested to confirm our understanding that no further geotechnical investigation is required from the successful tenderer of this Package (1) – Infrastructures"</p>	<i>The Material Report is provided as "for your information only" and is not binding nor part of the contract and hence the contractor will be required to carry out confirmation test</i>
26	<p>"The legend of Drawing No: 301-ITAC-TRS0-DW-120-100-A-1 (to A-4) lists "Granite Paving" while there is no item as such in the BOQ.</p> <p>The Client is kindly requested to confirm that no Granite Paving is required in this tender"</p>	<i>There is no Granite Paving in this Bid</i>
27	<p>Specs item 1.5.3.5 and BOQ item 1.4.4 Temporary Fencing, Gates and Hoarding.</p> <p>The Client is kindly requested to</p> <ul style="list-style-type: none"> a) Provide a quantity against this BOQ item and/or a drawing showing where will this be required. b) Provide details and Specs for the material of this Fencing/Hoarding. 	<i>These are General Item and priced as Lump Sum which are temporary and executed to provide security during construction periods. The Contractor shall provide details and shop drawing for approval by the client.</i>
28	<p>"BOQ Items: 2.A.1.2, 2.B.1.2, 2.C.1.2, 2.D.1.2 & 3.1.2</p> <p>A568TZ17-Geotechnical Report-B"</p> <p>Excavation: Material other than topsoil, rock or artificial hard material, Maximum depth: 1 - 2 m</p> <p>"Reference to the provided Geotechnical report, which presents clearly the presence of granite rocks in considerable quantities, and the fact that this is not reflected or quantified in the BOQ.</p>	<i>Response will be provided soon</i>

S/No.	Questions	Employer's Response
	The Client is kindly request to clarify the way to measure and compensate the Contractor on excavation in different soil classes if encountered on site."	
29	<p>Drawing 301-ITAC-GEN0-DW-000-006-B General site Earthwork preparation "Based on the topographical maps provided and site visit concluded BIDDER envisage huge volume of earth moving to reach to the proposed site finishing levels for runways, taxiways and roads.</p> <p>The Client is kindly requested to clarify the way to measure and compensate the Contractor on:</p> <ol style="list-style-type: none"> 1. If the depth exceeds 2.00 m in depth. 2. Trimming of excavated surface." 	<i>Response will be provided soon.</i>
30	<p>BOQ Items: 2.A.1.5, 2.B.1.5, 2.C.1.5 & 2.D.1.5. Excavation ancillaries: Trimming of excavated surfaces, The Client is kindly requested to provide more details and drawings to enable pricing this item and whether this trimming is temporary for construction or permanent.</p>	<p><i>Trimming of excavated surfaces is relating to permanent works. The surface of trimming to be paid under BOQ items (in m²) is for excavated slope surfaces as shown below.</i></p> 
31	<p>3.1.6 & 3.1.7 Roads and Carparks - BOQ Disposal of excavated material The Client is kindly requested to clarify the location(s) of the dump site(s) approved for disposal</p>	<p><i>The practice is to dispose of the excavated materials in designated areas by the local authority. In this regard, disposal of excavated materials shall be in designated sites by Dodoma City. The contractor should contact Dodoma City for appropriate sites. However, he shall seek for approval of the Engineer before starting transferring spoil materials to any chosen site.</i></p>
32	<p>3.1.8 Roads and Carparks - BOQ Grass seeding "The Client is kindly requested to</p> <ol style="list-style-type: none"> a. Clarify type of seeding hydro or other types. b. Provide the specifications for this item and advise whether Irrigation network is also required. " 	<p><i>The type of seeding shall be Hydro seeding.</i></p> <p><i>Irrigation network is not part of this Bid</i></p>

S/No.	Questions	Employer's Response
33	3.2.16 Roads and Carparks - BOQ "Welcome to Msalato Airport" information sign The Client is kindly requested to provide detail drawing for this sign to enable pricing.	<i>Response will be provided soon.</i>
34	4.1.2 & 4.1.3 Fencing & Gates - BOQ Fencing & Gates The Client is kindly requested to provide relevant details and drawings.	<i>Response will be provided soon.</i>
35	4.3.1 Fencing & Gates - BOQ Shelters The Client is kindly requested to provide relevant details, drawing and number for these shelters.	<i>Please Refer to Drawing No. 301-ITAC-TRSO-DW-120-200-B included in the Bidding documents</i>
36	5.A.1, 5.A.2 & 5.A.3 Drainage - BOQ Open channels The Client is kindly requested to provide relevant details and drawing for all types of the channels mentioned	<i>Typical Drawing for the Drainage are found in Drawing NO.301-EAE-SWDO-DW-130-002 included in the Bidding documents</i>
37	5.A.5 & 5.B.2 Drainage - BOQ Manholes The Client is kindly requested to provide relevant details, drawings, sizes and number of manholes required.	<i>Response will be provided soon.</i>
38	5.A.6 Drainage - BOQ Boxes The Client is kindly requested to provide relevant details, drawings, sizes and number of Boxes required.	<i>Response will be provided soon.</i>
39	5.B.1 Drainage - BOQ Sewer Pipes The Client is kindly requested to provide relevant details and drawings of sewer pipe trenches (Total 24,830 LM).	<i>Response will be provided soon.</i>
40	5.B.1 Drainage - BOQ Sewerage Manholes The Client is kindly requested to provide relevant details and drawings of sewerage manholes (Total 972 NO).	<i>Response will be provided soon.</i>
41	5.B.4 Drainage - BOQ Lifting pump station The Client is kindly requested to provide	<i>The Lifting pump station is a packaged prefabricated pump station. The Contractors shall submit details and</i>

S/No.	Questions	Employer's Response
	relevant details and drawings.	<i>drawings depending on the specialized supplier to be selected and in accordance with the specified characteristics.</i>
42	5.C.1 Drainage - BOQ 18m concrete Tower for mounting above tank to Structural The currently provided drawing is architectural and is not enough to price this item. The Client is kindly requested to provide structural drawings.	<i>The Contractor shall be paid a lum-sum amount as per BOQ item No. 5.c.1- Concrete Tower (Part 5 – water system/C-WATER SUPPLY network), for the construction of the Concrete Tower, including the preparation by the Contractor of all required structural drawings, justifications and details based on the drawing No. 3 01 EAE WSF DW 130 204 B Details of Installations / Tank 250 m³, to be submitted for the Engineer review and approval.</i>
43	5.C.2 Drainage - BOQ 250cu.m concrete tank with all accessories The Client is kindly requested to provide relevant details and drawings.	<i>The Contractor shall be paid a lump-sum amount as per BOQ item No. 5.c.2- Tank (Part 5 – water system/C-WATER SUPPLY network), for the construction of the Tank (250 m³), including the preparation by the Contractor of all required structural drawings, justifications and details based on the drawing No. 3 01 EAE WSF DW 130 204 B Details of Installations / Tank 250 m³, to be submitted for the Engineer review and approval.</i>
44	5.C.3 Drainage - BOQ Reticulation HDPE Pipes The Client is kindly requested to provide relevant details and drawings for the pipe trenches (Total 22,770 LM)	<i>Response will be provided soon.</i>
45	5.C.3.14 Drainage - BOQ Concrete valve chambers The Client is kindly requested to provide relevant details and drawings.	<i>Response will be provided soon.</i>
46	5.D.2 Drainage - BOQ 400cu.m concrete tank with all accessories The Client is kindly requested to provide relevant details and drawings.	<i>Response will be provided soon.</i>
47	5.D.4 Drainage - BOQ HDPE 250mm to PN10 fittings The Client is kindly requested to provide	<i>The Contractor shall be paid a lum-sum amount as per BOQ item No. 5.D.2- Tank (Part 5 – water system/ D-</i>

S/No.	Questions	Employer's Response
	relevant details and drawings for the pipe trenches (Total 28,000 LM).	<i>FIREFIGHTING network), for the construction of Tank (400 m3), including the preparation by the Contractor of all required structural drawings, justifications and details based on the drawing No. 3 01 EAE WSF DW 130 205 B Fire water suppression station, to be submitted for the Engineer review and approval.</i>
48	5.A.1.4 Drainage - BOQ Equipped trapezoidal earthen channel The Client is kindly requested to provide relevant details and drawings.	<i>Response will be provided soon.</i>
49	6.A.1 / 6.A.2 Electrical Works – BOQ Trenches for Power MV / LV Cables The Client is kindly requested to provide relevant details and drawings for the cable trenches (Total 26,340 LM).	<i>Response will be provided soon.</i>
50	6.A.2 Electrical Works - BOQ Duct banks The Client is kindly requested to provide relevant details and drawings for all types of Duct banks (Total 70,660 LM).	<i>Response will be provided soon.</i>
51	6.A.2 Electrical Works - BOQ Manholes for electrical works The Client is kindly requested to provide relevant details and drawings for all types of Manholes for Electrical works (Total 798 NO).	<i>Response will be provided soon.</i>
52	General Anti Termite The Client is kindly requested to clarify that no requirement for use of anti-termite in (Phase I, Lot 1, package 1 - infrastructure).	<i>Response will be provided soon.</i>
53	General Reinforcement rebars The Client is kindly requested to clarify whether the steel reinforcing rebar that will be used in (Phase I, Lot 1, package 1 - infrastructure) is epoxy coated or not.	<i>Yes they shall be used.</i>
54	Part 1- Bidding Procedure 3- Qualification Table (Without Pre- qualification) Clause 3.4- Experience Clause 3.4.2- Specific Experience	<i>Highway projects shall not be considered as specific experience. Bidders' attention is drawn to footnote</i>

S/No.	Questions	Employer's Response
	<p>a) Participation as contractor, management contractor, or subcontractor, in at least Three (3) contracts within the last Ten (10) years, each with a value of at least US \$100,000,000.00 that have been successfully and substantially completed and that are similar to the proposed works. The similarity shall be based on the physical size, complexity, methods/technology or other characteristics as described in Section IV, Bidding Forms.</p> <p>Please clarify that highway projects with flexible pavement (mechanized construction) having required contract value as per clause 3.4.2 shall be acceptable as a similar nature of work.</p> <p>% of the physical progress required for a work/ contracts to be considered as a "substantially completed work/contract" is not defined in the RFP document. We understand a project with 65% of physical progress is a substantially completed project. Please confirm.</p>	<p><i>no.10 which states that "All contracts listed as similar projects must be accompanied by completion/substantial completion certificates. Similar projects listed without attaching corresponding completion certificates will not be considered during evaluation".</i></p>
55	<p>Part 1- Bidding Procedure 3- Qualification Table (Without Pre- qualification) Clause 3.4- Experience</p> <p>Clause 3.4.2- Experience in key activities</p> <p>b) For the above or other contracts executed during the period stipulated in 3.4.2a) above, a minimum experience in the following key activities:</p> <ul style="list-style-type: none"> i) 1,500,000 m3 earthworks in any 1 year ii) 45,000 m3 Bituminous Material (P401 and P401/P403) in any 1 year iii) 30,000 m3 Rigid Pavement (P501 and P304) in any 1 year iv) 30,000 m Pipework (Pressurized and Non- pressurized) in any 1 year v) 20,000 m2 Airside and Landside Markings in any 1 year <p>We request, out of five identified key activities under this clause, maximum of Three activities may be allowed to be met through specialized sub- contractor(s).</p>	<p><i>Bidders are required to adhere to the requirements of the Bidding Documents.</i></p>

S/No.	Questions	Employer's Response
56	<p>Part 1- Bidding Procedure- Section 2 Bid data sheet ITB 1.1</p> <p>Note: The Construction of Msalato international Airport- Phase One, Lot 1, is to be executed in two (2) packages as follows:</p> <ul style="list-style-type: none"> • Infrastructure • Buildings <p>Bidders are not required for both packages</p> <p>Bidders having required Technical and Financial capability as per RFP document (Pkg 1&2) should be allowed to bid in both the packages.</p>	<p><i>Response will be provided soon.</i></p>
57	<p>Location and Ownership of the sources of Material</p> <p>Tenderers requested the Employer to make clear who own the source of construction materials. In case the property owner is private/ individual and as for this may constitute the charging or toll fees, how this issue will be settled. The Tenderer also wanted the Employer to make clear the location of the borrow pit</p>	<p><i>The owner of the new borrow pits are individuals and the common practice is usually the Contractor to buy the material from the borrow pit owners or the Contractor can buy the land from the owners. The stone quarry is owned by the government and hence no compensation will be required. As for the big project like this, the Employer will assist the awarded Contractor in easiness the compensation where necessary (only in the legal matters). The locations for the source of material are listed in the materials report and other sources have been attached. See Table 1 below.</i></p> <p><i>The successful bidder may opt to use borehole: (Note that the water from boreholes is used only if meets the required quality).</i></p> <p><i>The Bidders are free to look for other new sources of material and the Employer will facilitate the bidder (legal matters only) during acquisition of those areas.</i></p> <p><i>The Contractor will have to pay relevant royalties to the Ministry of Minerals as per the Local Laws and Regulations.</i></p> <p>Note: <i>The Employer does not guarantee the adequacy of the quantity</i></p>

S/No.	Questions	Employer's Response
		<p>and quality materials available at the indicated locations. It is the responsibility of the tenderer to satisfy himself of the quantity and quality of the materials and explore additional sources of materials if necessary</p> <p>“Information with regard to Contractor’s liabilities on loyalties can be obtained from:</p> <p>The Commissioner of Minerals, Ministry of Minerals, Government City, P. O. Box 422, 40474 Dodoma, Tel: +255 26 230 051, Fax: +255 26 2322282</p> <p>Email: ps@madini.go.tz or david.mrambaza@madini.go.tz https://www.madini.go.tz</p>
58	<p>Time Extension for Bidding The stated due to the outbreak of Corona Virus it will be difficult to submit the bid in time and hence request the employer to grant an extension of time for bid submission.</p>	<p>The deadline for submission of bids is extended from 29th April 2020, at 10:00 hours to 15th May 2020, at 10:00 hours. Refer to Addendum No. 1 attached to this Clarification</p>
59	<p>Subsidiary Experience The prospective Tenderers wanted clarification whether the bidder can use the experience as a subcontractor in the bid submission.</p>	<p>The query is not clear.</p> <p>However, according to Qualification Criteria stipulated in the Bidding documents, experience as sub-contractor (s) is acceptable.</p> <p>Accordingly, parent company is allowed to submit experience of the subsidiary company</p>
60	<p>Parent company and Subsidiary Company The prospective tenderers wanted clarifications whether the parent company and its subsidiary can bid separately.</p>	<p><i>Response will be provided soon.</i></p>
61	<p>Joint Venture The prospective Tenderers wanted to know whether a single bidder can purchase the document and later submit the bid as a joint venture.</p>	<p><i>Yes. A bidder may purchase the Bidding Documents and later decide to submit the bid in Joint Venture (JV) name.</i></p>

S/No.	Questions	Employer's Response
62	Details for Furniture Tenderers wanted clarification about the details for furniture.	<i>Response will be provided soon.</i>
63	The drawings of Grease Separator are not involved in the Tender Documents. Please kindly provide the drawings and related technical specifications.	Note: <i>Shall conform to FAA Advisory Circular AC 150/5320-5D,</i>
64	BILL Terminal Apron 2.B.2.1 in BOQ of Bidding Document, Surface Portland Cement Concrete (P-501), as well as concrete drainage and curbs, the concrete strength is not stated. Please indicate the concrete strength.	Note: <i>Shall conform to the provided specification as well as FAA Advisory Circular AC No: 150/5370-10H</i>
65	BILL Roads and Car parks 3.2.13 in BOQ of Bidding Document, Kerb drain. There isn't corresponding drawings.	<i>Response will be provided soon.</i>
66	BILL Fencing and Gates 4.3.1 in BOQ of Bidding Documents, Shelters. There isn't corresponding drawings	<i>Response will be provided soon.</i>
67	Please provide corresponding drawings for the following items: BILL Drainage 5.A.1 Open Channels, 5.A.2 Drain channel, 5.A.3 Channel with grating, 5.A.5 Manholes, 5.A.6 Boxes, 5.B.2 PIPEWORK- MANHOLES AND PIPEWORK ANCILLARIES, 5.C.1 Concrete	<i>Response will be provided soon.</i>
68	Please provide us with the format of Power of Attorney.	The Standard Bidding documents for African Development Bank do not provide a format for Power of Attorney. Bidders are required to use any format internationally recognized ensuring that the issued Power of Attorney legally authorize their representatives to act on behalf of the company. Bidders may make consultations with their Legal Counsel.
69	Commissioning philosophy The Client is kindly requested to provide the commissioning philosophy and procedure for civil works and whether arranging for trail commercial flight for test calibration and site acceptance falls within Contractor scope or not.	Yes, arranging for trail commercial flight for test calibration and site acceptance falls within Contractor scope. Please refer to BOQ item 6D.8
70	Section II - 3.4.2 (capacity as a prime Contractor) "Reference to Section II 3.4.2, quote ""(a) Participation as contractor, management contractor, or subcontractor, in at least Three (3) contracts within the last Ten (10) years, each with a value of at least US\$	Yes. The correct value is US\$ 100,000,000.00.

S/No.	Questions	Employer's Response
	<p>100,000,0000.00 that have been successfully and substantially ...".</p> <p>While in the invitation for Bid, clause 4, quote "... each with a value of at least US\$ 100,000,000.00 within the last ten (10) years...".</p> <p>We believe this is typo error and the correct value would be US\$100,000,000.00. Please confirm."</p>	
71	<p>BOQ Item - 6A.3.1.3.1 - Electrical Works MV/LV - 8 KVA Buried Transformer Transformer (5.5KV/0,23) The Client is kindly requested to provide specifications and drawings for MV/LV - 8 KVA Buried Transformer.</p>	<i>Response will be provided soon.</i>
72	<p>BOQ Item 5.B.5 - Drainage Biological compact Wastewater treatment plant Performance Specifications, design criteria & requirements for Biological compact Wastewater treatment plant were not included in the Tender Documents. Please provide.</p>	<i>Response will be provided soon.</i>
73	<p>BOQ item 1.2.8 - General Items Establishment, maintenance and removal of radio communication system for the Project Manager's staff</p> <p>The Client is kindly requested to provide details or/and data sheets about the radio communication system required in terms of number of units, range, system compatibility, etc.</p>	<i>Response will be provided soon.</i>
74	<p>BOQ item 1.2.10 - General Items Establishment, maintenance and removal of surveying equipment</p> <p>The Client is kindly requested to provide details, numbers or/and data sheets about the surveying equipment needed.</p>	<i>Response will be provided soon.</i>
75	<p>BOQ item 1.2.16 - General Items Maintain and pay all rents and municipal services for fully furnished and equipped Houses for the Engineer</p> <p>"Our understanding that all the Engineer and Client housing, site offices and facilities will be constructed and within the boundaries of the site location. The Client is kindly requested to clarify whether our understanding is correct or not.</p> <p>And if not, please provide more details, location, description and specifications for the required houses"</p>	<i>The Municipal services shall include but not limited to supply of clean portable water, sewerage services, electrical bills, telephones charges, tv charges (DSTV)</i>

S/No.	Questions	Employer's Response
76	BOQ item 1.3.1 - General Items Provide laboratory fully furnished for the Engineer "The Client is kindly requested to provide: 1. Details, numbers or/and specific list for the furniture of the laboratory for the Engineer. 2. Laboratory minimum area."	<i>Response will be provided soon.</i>
77	BOQ item 1.3.3 - General Items Provide specified laboratory equipment for the Engineer The Client is kindly requested to provide details, numbers or/and specific list for the equipment of the laboratory for the Engineer.	<i>Response will be provided soon.</i>
78	BOQ item 1.4.2 - General Items Establishment and removal of all temporary accesses, roads and areas of working (except for those access roads indicated as being retained - measured separately) including reinstate on completion "The Client is kindly requested to a) Provide a quantity against this BOQ item and/or a drawing showing where will this be required. b) Provide details and Specs for the material of these temporary roads and working areas." "	<i>The Item is paid as a Lump Sum and there are no measured works. the Temporary access shall include roads and security fences and gates to be used by the Contractor during the execution of the works.</i> <i>Details shall be agreed during the implementation stage.</i>
79	BOQ item 1.4.8 - General Items Establishment and removal of temporary ramps and other works as necessary to ensure the safe operation "The Client is kindly requested to a) Provide a quantity against this BOQ item and/or a drawing showing where will this be required. b) Provide details and Specs for the material of these ramps." "	<i>The Item is paid as a Lump Sum and there are no measured works.</i> <i>Details shall be agreed during the implementation stage.</i>
80	BOQ item 1.10.1 - General Items Provide survey Equipment for the Client representative "The Client is kindly requested to provide details, numbers or/and data sheets about the surveying equipment needed. Moreover, please clarify if this item is not part or duplicate of BOQ item 1.2.10 - General"	<i>Please Refer to Clarification No. 12. The provided survey equipment for Client Representative shall include Item No 9,19,20 and 21 from Table No 2 and 1 No. of item 7,8 and 11 from Table 2</i> <i>The item is not duplicate of item 1.2.10.</i>
81	General Camps, Site facilities and offices During the site visit, it was our understanding that the Client will provide the required space and size for each Contractor to establish and construct his camp, offices laydown and site facilities areas within the site boundaries free	<i>Confirmed</i>

S/No.	Questions	Employer's Response
	of any charges or municipality fees	
82	<p>General Systems Commissioning.</p> <p>"Contractor's understanding is that the commodities listed in the BOQ tabs ""Drainage"" and ""Electrical Works"" shall be jointly executed and procured by the two Contractors.</p> <p>However, in cases of any system, splitting the scope into two packages will generate many interfaces and hence problems during the execution stage since services, such as surveys, testing, commissioning, etc., should be carried out by one entity who will take responsibility of the overall systems' integrity, commissioning and performance.</p> <p>The Client is kindly requested to explain the philosophy of execution for these systems and provide the commissioning procedure for each."</p>	<p><i>The Engineer shall be Responsible to come up with the appropriated methodology to overcome the integration of the Two Packages. All matters shall be discussed during the implementation of the project</i></p>
83	<p>"i. Technical Specification: PART 2 - EARTHWORKS AND BASES,</p> <p>ii. Technical Specification: PART 3 - CONCRETE & STEELWORKS</p> <p>iii. Technical Specification: PART 4 - BITUMINOUS SURFACING AND BITUMEN BOUND BASE</p> <p>iv. Drawing 301-ITAC-TRS0-DW-110-001-B: Airfield Pavements Typical Cross Sections (4E Alternative)</p> <p>v. AC 150/5370-10H - Standard Specifications for Construction of Airport"</p> <p>Pavement Material Classification</p> <p>"In terms of reference to the project Technical Specification, Part 2, 3 & 4, the Contractor note that the pavement cross section drawing denote the "P- Pavement Material Classification System" applied per the U.S. Department of Transportation Federal Aviation Administration, AC 150/5370-10H - Standard Specifications for Construction of Airports.</p> <p>Please clarify/confirm the precedence of this FAA Standard Specification in terms of the Project Technical Specification.</p> <p>"</p>	<p><i>Response will be provided soon.</i></p>
84	<p>"i. Technical Specification: PART 4 - BITUMINOUS SURFACING AND BITUMEN BOUND BASE,</p> <p>ii. Drawing 301-ITAC-TRS0-DW-110-001-B: Airfield Pavements Typical Cross Sections (4E Alternative)</p>	<p><i>Response will be provided soon.</i></p>

S/No.	Questions	Employer's Response
	<p>iii. AC 150/5370-10H - Standard Specifications for Construction of Airports HMA Method of Mix Design & Performance Requirements</p> <p>"In terms of reference to the project Technical Specification PART 4, Clause 4.1.8 MIXTURE DESIGN call for 'Laboratory Design Mixtures' for Marshall Asphalt shall be designed in accordance with Clause 4.2.3 which specifies performance requirements for the Wearing Course and Base Course along Table 4.2.2 in terms of optimum binder content, stability, flow, voids in total mix and voids filled with binder.</p> <p>In accordance to the AC 150/5370-10H - Standard Specifications for Construction of Airports, the P-Classification referred along Drawing, 301-ITAC-TRS0-DW-110-001-B, present; P-401 Hot Mix Asphalt (HMA) and P-403 Stabilized Base (bituminous base).</p> <p>The selected method for mix design for the same is based on the, Marshall Method, ASTM D6926 or Gyratory Method, ASTM D6925 with design criteria target values necessary to meet acceptance requirements in terms of, Number of blows or gyration, Air voids, Percent voids in mineral aggregate (VMA), minimum Tensile Strength Ratio (TSR) & Asphalt Pavement Analyzer (APA).</p> <p>The contractor hereby request clear performance targets for both Class P-401 and P-403 HMA Asphalt in terms of reference to the Federal Aviation Administration method for mix design."</p>	
85	<p>"i. Drawing 301-ITAC-TRS0-DW-120-001-C: Road Pavements Typical Cross Section ii. AC 150/5370-10H - Standard Specifications for Construction of Airports iii. Tanzania Ministry of Works Standard Specification for Road Works 2000" Road Pavement Layer Classification & Performance Requirements</p> <p>"In terms of reference to the referred Drawing, the Contractor note that layers making up the pavement superstructure are not subject to the same P- Pavement Material Classification applied along the Airfield Pavement Drawings, however the Technical Specification thus stipulate undefined overlapping performance requirements for both Airfield Pavements and</p>	<p><i>Landside pavements shall conform to Tanzania Ministry of Works Standard Specification for Road Works 2000.</i></p>

S/No.	Questions	Employer's Response
	<p>Road Pavements.</p> <p>The contractor hereby request clarification on the particular road pavement layers and performance requirements in terms of reference to the G-Classification system applied along the Tanzania Ministry of Works Standard Specification for Road Works 2000.</p> <p>"</p>	
86	<p>Volume V (A) – Materials Report Geotechnical Subsurface Information</p> <p>"In terms of reference to the report issued for information only, Clause 2.6, Laboratory Testing describe that all samples tested originate between 1.0 to 1.2m below the existing natural ground level.</p> <p>The contractor understand that the future pavement formation levels vary extensively in both cut and fill extending beyond the sampled and tested zone and as such, the homogenous subgrade classification in terms of S7 & S15 for the most part bare no particular relevance to the actual design subgrade level.</p> <p>Where it is common practice to overlap road centerline investigation test pit sampling and testing with intermittent DCP and/or SPT tests at incremental depth in cuttings, the Contractor hereby request the availability of any additional information to support a more relevant qualification of the future insitu subgrade along the pavement formation design elevation."</p>	<p><i>The Material Report is provided for Information Only. The contractor shall be responsible to carry out his own test to confirm the site conditions</i></p>
87	<p>"i. Drawing 301-ITAC-TRS0-DW-110-001-B: Airfield Pavements Typical Cross Sections (4E Alternative)</p> <p>ii. AC 150/5370-10H - Standard Specifications for Construction of Airports"</p> <p>Embankment in selected material "In terms of reference to the referred Drawing, the Contractor note the, "Embankment in selected material" applied below the P-154 Uncrushed Aggregate layer, forming up the level of the pavement along the shoulder edge and extending further outward beyond the limit of the graded strip.</p> <p>The contractor request clarification of this "Embankment in selected material" in terms of reference to the applied Pavement Classification; Item P-152 Excavation, Subgrade, and Embankment?</p> <p>The contractor furthermore request clarification on the particular technical performance</p>	<p><i>The embankment fill material shall have CBR of 15 for the runway, taxiway and apron. For the Runway strip apart from the top 200mm shall have a CBR not less than 15</i></p>

S/No.	Questions	Employer's Response
	requirements, (Grading, Atterberg Limits, California Bearing Ratio etc), applicable to the contractual compliance of this Item, considering the technical specification only guided that, "All additional filling required for making up to formation level shall be an approved imported granular material, supplied by the Contractor, consisting of gravel, hard clinker, crushed rock, crushed slag or well burnt colliery shale, or other material free of fine particles in sufficient proportion to make it unstable by a change in moisture content". "	
88	BOQ Item 2.B.2 - Terminal_Apron Pavement construction The Client is kindly requested to provide more details and drawings specifically on Joints locations, dowel bars, joints material selection, etc	<i>Response will be provided soon.</i>
89	BOQ Items 5.A.1.1 - 5.A.1.3 Earthen Ditches Please advise if grouted stone pitching is required for the earthen ditches. If so, please advise on the thickness.	<i>Response will be provided soon.</i>
90	BOQ Section 5.A.1 / Drawing 301-EAE-SWD0-DW-130-003-Rev.D Earthen Ditches Drawing 301-EAE-SWD0-DW-130-003-Rev.D shows 1,172 m of "Trapezoidal concrete ditch (w=1.0;D=1.1;s=1)" which could not be found in the BOQ. Please advise.	<i>Response will be provided soon.</i>
91	BOQ Item 5.B.2.1 Concrete connection boxes. Dimension 650mm x 650mm Please provide detailed drawing for the connection boxes, also indicating the depth of the boxes.	<i>Response will be provided soon.</i>
92	BOQ Item 6.A.3.3.1 High Mast Floodlighting Equipped with 9 Floodlights 300W, H=20 m Please provide detailed drawing for the foundation of the High Masts.	<i>Response will be provided soon.</i>
93	Concrete Items Waterproofing Systems for concrete surfaces. The Client is kindly requested to provide specifications and drawings on types of waterproofing for all concrete surfaces.	<i>Response will be provided soon.</i>
94	BOQ item 5.B.4 Lifting pump station: Civil Works, Supply, installation, connection and commissioning	<i>Response will be provided soon.</i>

S/No.	Questions	Employer's Response
	In the description of the BOQ items 5.B.4.1 & 5.B.4.2, it mentions Operation (1+1). The meaning of this is unclear to us. Does it mean that there are 2 duty pumps, or that there are 1 duty & 1 standby pump? Please clarify.	
95	BOQ item 5.B.4.1 Lifting pump station: Civil Works, Supply, installation, connection and commissioning For the submersible pump with flow rate 4 l/s at a head of 5 m, it appears that the quantity is zero (0). Please confirm, or advise otherwise.	<i>The Quantity shall be 1</i>
96	BOQ item 5.B.6 Grease Separator Performance Specifications, design criteria & requirements for Grease Separator were not included in the Tender Documents. Please provide.	<i>Response will be provided soon.</i>
97	BOQ item 5.C.2 Water Supply Tank Please provide a detail drawing/schematic showing all necessary valves & accessories.	<i>Response will be provided soon.</i>
98	BOQ item 5.C.4 Short term water supply for Airport In the item description it mentions that water treatment is excluded. Under which BOQ item is the short term water supply water treatment included? Is it part of a different package? Please advise.	<i>Water Treatment for Short term water supply is not included in this Bid</i>
99	BOQ item 5.D.2 Fire fighting tank Please provide a detail drawing/schematic showing all necessary valves & accessories.	<i>Response will be provided soon.</i>
100	BOQ item 5.C.4.1 Borehole Pump The BOQ lists just one (1) borehole pump, while Drawing DW 130 203 Rev.B shows another borehole pump 20 m ³ /h at 35 m (serving Borehole F2). It is our understanding that there are two borehole pumps in total, one pump serving Borehole F1 and one serving borehole F2. Please confirm or advise otherwise.	<i>Response will be provided soon.</i>
101	BOQ item 5.D.3.1.3 Hydro and electromechanical equipment-Taps Specifications & requirements for water valves (stop valve, check valve, foot valve, etc.) were not included in the Tender Documents. Please provide.	<i>Response will be provided soon.</i>

S/No.	Questions	Employer's Response
102	Reference is made to ITB 14.8 of the Bid Data Sheet, which indicates Goods and Services to be procured for the purpose of execution of the project may be exempted from taxes and duties. We would like to request for a clear position whether the goods and services will be tax exempt or not.	<i>The Employer clarified that the exempted Tax is only VAT. The Employer also informed the Tenderers that all matters related to Taxes shall be referred to Tanzania Revenue Authority (TRA) for clarification.</i>
103	There is no calculation method for the interest of delayed payment in the section VIII. Particular Conditions (PC). The calculation method is only stated in the General Conditions (GC). Please clarify whether the interest is calculated according to the GC.	<i>Bidders' attention is drawn to the requirement of Clause 14.8 of General Conditions of Contract (GCC)</i>
104	The advance payment is divided into two installments in the Special Conditions (SC) 14.2.1, which states that "The first installment shall not exceed 10% of the accepted contract amount..." consider the project needs large investment during its early stage, in order to better serve the project and to ensure it goes smoothly, we hereby suggest to replace the two installment into one payment with 15% of the contract amount.	<i>Advance Payment shall paid in two instalments as stipulated in Sub-Clause 14.2.1 of Particular Conditions (PA)</i>
105	Item 2.A.1.4, 2.B.1.4, 2.C.1.4, 2.D.1.4 and 3.1.4 are all Filling, borrow pit materials in the BOQ. However, the grade of material is not specified. Please clarify if their grade should be G3, G7, G15 or higher.	Their grade should be G3, G7, G15
106	BOQ item 3.2.1 Wearing course and 3.2.2 Bituminous base have also not specified the type of material. Also, it can found in the drawings. Please clarify the type of material should be whether AC20, DBM40 or others.	<i>Response will be provided soon.</i>
107	BOQ item 5.B.1.1 DN 250 & 5.B.1.2 DN 200's type of material needs to be specified.	<i>Response will be provided soon.</i>
108	BOQ item 5.A.1 Open channels, 5.A.2 Drain channel, 5.A.3 Channel with grating are measured in meter. However, the concrete garde is not specified as well as the reinforcement drawings are not found in detail. As the quantities are relevantly large, please kindly provide the detail drawings and clarify if the reinforcement bar and concrete shall be measured together or separately.	<i>Response will be provided soon.</i>
109	Please confirm if BOQ item 5.A.6 Boxes indicates box culvert and as it is measured in meter, please provide detail drawings including structure and reinforcement drawings.	<i>Response will be provided soon.</i>
110	Please confirm if BOQ item 5.C.2 Tank 250cu.m concrete tank with all accessories	<i>The Contractor shall be paid a lump-sum amount as per BOQ item No. 5.c.2-</i>

S/No.	Questions	Employer's Response
	and BOQ item 5.D.2 Tank 400cu.m concrete tank with all accessories indicates Ground Level Tank or Elevated Tank and please provide their drawings for us to provide better quotation.	<i>Tank (Part 5 – water system/C-WATER SUPPLY network), for the construction of the Tank (250 m³), including the preparation by the Contractor of all required structural drawings, justifications and details based on the drawing No. 3 01 EAE WSF DW 130 204 B Details of Installations / Tank 250 m³, to be submitted for the Engineer review and approval.</i>
111	Please confirm if BOQ item 3.2.14 Sidewalk paving indicates paving block.	<i>Response will be provided soon.</i>
112	In Tender document Part 1 Tender Procedure page 39, 3 Qualification Table, 3.4.2 a) Specific Experience requires: Participation as contractor, management contractor, or subcontractor, in at least Three (3) contracts within the last Ten (10) years... please kindly confirm if the last Ten (10) years shall calculate from the bid submission due date (29, April 2020), which means from 28, April 2010 to 29, April 2020. Meanwhile, 3 contracts each with value of 100 million USD is quite large for runway project, this is not common and not realistic, there are very few such contracts in the world because runway projects do not happen frequently at such large quantity. This will limit competition and you may not get good qualified contractors. Otherwise, for competitive tender and for you to achieve value for money, we request you to relax this requirement to 1 contract.	<i>Response will be provided soon.</i>
113	According to the BOQ (PACKAGE 1- Bills of Quantities/ Item No: 5.B.1 (SEWAGE NETWORK), the type of sewerage pipes are not mentioned in the BOQ. According to the mechanical specification (Item No: 3.2.8.11 Cast Iron Pipe), waste and sewerage pipes shall be cast iron pipes. Kindly confirm.	<i>Response will be provided soon.</i>
114	Below listed substations are not measured in BOQ. Kindly clarify their scope of works. Also, should we consider them as a future provisions and in this case should we include infrastructure ducts and MV cabling to our offer? ST.02, ST.03, ST.04, ST.05, ST.06, ST.09, ST.10, ST.11 and ST.12 (mentioned in the MV Single Line Diagram "A568TZ17_DW 140 001 pdf file)	<i>They are not part of this Bid.</i>

S/No.	Questions	Employer's Response
115	Kindly provide the detailed description or specification and single line diagrams of below items shown in "PACKAGE 1- Bills of Quantities/ Drainage"; 5.D.3.2 Electrical equipment Low Voltage LV 5.D.3.2.1 Arrival Cell 5.D.3.2.2 Normal/ Emergency panel board 5.D.3.2.3 Motor departure cell 5.D.3.3 standby generator 250KVA	<i>Response will be provided soon.</i>
116	Below items shown in 2 "PACKAGE 1- Bills of Quantities/ Electrical Works" are not shown on layouts and single line diagrams: 6A.3.1.2.7-33KV MV link between the transformer and the general protection switchgear 6A.3.1.2.8- 5,5KV MV link between the transformers and prefabricated incoming switchgears auxilliary's transformers. Please provide relevant drawings or provide the relevant distance, cable types, etc inorder to be able to price these items	<i>Response will be provided soon.</i>
117	Kindly provide MV cable schedule if it is available	<i>Response will be provided soon.</i>
118	Kindly provide the details of lighting poles shown under item no. 6A.3.1 and 6A.3.2.1 in "Package 1- Bills of Quantities/ Electrical Works".	<i>Response will be provided soon.</i>
119	The wall thickness and top/bottom diameters of high masts are not shown on the detail drawing (A568TZ17_DW 140 203 pdf file). Kindly provide the relevant details or detail drawing.	<i>Response will be provided soon.</i>
120	According to infrastructure BOQ (PACKAGE 1- Bills of Quantities), elctropump sets are specified as 360m ³ /h at 80Mwc OF Head Pressure. On the drawings (301- EAE-WTR0-DW-130-120-A), electropumpset have been defined as Qp= 180m ³ /h – HMT= 80Mce. We have considered that the pump set shall be two duty and one standby. Therefore each pump shall meet the capacities 180m ³ /h 80mWC making 360m ³ /h flow rate of total set with 2 duty pumps each having 180m ³ /h flow rate. Kindly confirm.	<i>Response will be provided soon.</i>
121	Pursuant to Section II Bid Data Sheet, ITB 14.8, some taxes and duties for this project may be exempted. Please clarify <ul style="list-style-type: none"> Will VAT be exempted? If yes, is it only for local purchased equipment and materials? Or VAT of imported goods 	<i>Tax will be exempted according to laws of the country. However, all matters related to Taxes shall be referred to Tanzania Revenue Authority (TRA) for clarification through address given</i>

S/No.	Questions	Employer's Response
	<p>and spare parts can be exempted also?</p> <ul style="list-style-type: none"> • Please confirm if the customs duties of imported equipment, spare parts, bitumen and other materials can be exempted? • Can you kindly specify which tax or duties else can be exempted? 	<p><i>below;</i></p> <p>The Commissioner General, Tanzania Revenue Authority (TRA), TRA Headquarters Building, Third Floor, 28 Edward Sokoine Drive, 11105 Mchafukoge, Ilala CBD, P. O. Box 11491, Dar Es Salaam. Telephone: +255 22 2119591-4; Fax: +255 22 212 8593/6908 Email: info@tra.go.tz; website: www.tra.go.tz</p>
122	<p>Refer to Item 3.4.2 Specific Experience in Section III Evaluation and Qualification Criteria. Please clarify:</p> <ul style="list-style-type: none"> • It seems there is a miswriting on the value of each contract for Specific Experience. Is it US\$100,000,000.00 • Does the required SIMILAR projects must be airports? Or bidder can use other infrastructure projects which have similarities? 	<p><i>Yes. The correct value is US\$ 100,000,000.00.</i></p> <p><i>Bidders are informed that only airport projects will be considered.</i></p>
123	<p>Refer to item 3.4.3 Experience in Key activities of Section III Evaluation Criteria. Please clarify</p> <ul style="list-style-type: none"> • Regarding the minimum experience of each key activity, please confirm the exact meaning of "in any 1 year". Is it any 1 year of the last ten years or each year of the last ten years? • For the 5 key activities (Earthwork, Bituminous material, rigid pavement, pipework, markings) which required minimum experience, is it mandatory for bidder to meet all the requirements in each of the 5 key activities simultaneously? Or bidder is required to meet the requirements in 1 of any of the 5 key activities • For each key activity, should the minimum experience be met by a single contract? Or it can be different contracts combined? • Is the requirement of 1,500,000 m3 for earthworks correct? • Which part does P401, P403, P501, 	<p><i>Response will be provided soon.</i></p>

S/No.	Questions	Employer's Response
	<p>P403 refer to?</p> <ul style="list-style-type: none"> Which type of pipework is required for minimum experience? Concrete pipework or PVC For the Airside and Landslide Marking, can we use Road Marking experience in Highway projects? Is it necessary to attach BOQ of completed project to demonstrate the quantity of minimum experience? 	
124	<p>As per requirement of bid security, please clarify</p> <ul style="list-style-type: none"> Whether a bid security issued by a reputable bank outside Tanzania must have a corresponding Bank in Tanzania? In the given format of bid security, section IV Bidding forms, there is a wording twenty eight days after the expiration of the bid validity period. Can we insert or replace this wording with a specific date because banks usually want to add a deadline in the guarantee they issued 	<ul style="list-style-type: none"> <i>The Bid Security issued by the Bank outside Tanzania does not require a corresponding Bank in Tanzania.</i> <i>Bidders are required to comply to the Bid Security format provided in the Bidding Forms.</i>
125	<p>Pursuant to ITB 1.1 in Section II Bid Data Sheet, Bidders are not allowed to bid for both packages. But, as many companies have relationship to each other, eg. Shareholding, common controlling partners or having some parent company. What if one bidder who bid for package 1 has relationship with the other bidder who bid for package 2? Will these two bidders be disqualified? Please clarify.</p>	<p><i>No. The two bidders participating in two separate packages will not be disqualified. Parent company and its subsidiaries are allowed to bid in separate package.</i></p>
126	<p>Refer to item 4.3.1 in BOQ. What kind of material are the shelters? What is its size?</p>	<p><i>Please refer to the drawing 301-ITAC-TRS0-DW-120-201-C-Fences and Gates – Typical details</i></p>
127	<p>Refer to drawing No. 301-EAE-WSF0-DW-130-204-B, what is the specific size of the 18 meter high water tower?</p>	<p><i>The Contractor shall be paid a lum-sum amount as per BOQ item No. 5.c.1- Concrete Tower (Part 5 – water system/C-WATER SUPPLY network), for the construction of the Concrete Tower, including the preparation by the Contractor of all required structural drawings, justifications and details</i></p>

S/No.	Questions	Employer's Response
		<i>based on the drawing No. 3 01 EAE WSF DW 130 204 B Details of Installations / Tank 250 m³, to be submitted for the Engineer review and approval.</i>
128	For the purpose of comprehensive understanding of the requirements, we would like to request you to share with the bidder copies of the standards which are referenced in the specifications, eg. BS, DIN and American Standards.	<i>Standard Specifications for BS, DIN and American Standard can be obtained online.</i>
129	Bills of Quantities 1.2.10 Establishment, maintenance and removal of survey equipment Please provide the Engineer's Surveying Equipment list with details of item names, quantity, specification or other requirements, and the ownership after project completion	<i>Please Refer to Clarification Item No.15</i>
130	Bills of Quantities 1.3.1 Provide laboratory fully furnished for the engineer Please clarify details of the specified requirements of fully furnished laboratory. Whether office other stationeries shall be provided or not for the laboratory, and the final ownership of all these	<i>Response will be provided soon.</i>
131	Bills of Quantities 1.3.3 Provide specified laboratory equipment for the engineer Please provide the specified laboratory Equipment list with details of item names, quantity, specification or other requirements, and the ownership after project completion.	<i>Response will be provided soon.</i>
132	Bills of Quantities 1.4.4 Establishment and removal of temporary fencing, barriers and gates as required for the whole site Please provide detailed specification/requirements for the fencing, barriers and gates, which shall isolate the site completely from outside or not.	<i>The Item is paid as a Lump Sum and there are no measured works. the Temporary access shall include roads and security fences and gates to be used by the Contractor during the execution of the works.</i> <i>Details shall be agreed during the implementation stage.</i>
133	Bills of Quantities 1.10.1 Provide survey equipment for the client representative Please clarify the detailed list of the survey equipment with item names, quantity, specification or other requirements, and the ownership after project completion	<i>Please Refer to Clarification No. 12. The provided survey equipment for Client Representative shall include Item No 9,19,20 and 21 from Table No 2 and 1 No. of item 7,8 and 11 from Table 2</i> <i>The Equipment's shall be used by the Employers Teams (PIU)</i>

S/No.	Questions	Employer's Response
134	<p>Bills of Quantities</p> <p>2.B.2.2 Stabilized Base -Cement treated base (P-304)</p> <p>Please clarify that the Stabilized Base is whether Cement treated crushed aggregate base or cement treated soil base?</p>	<i>Please refer to the FAA Advisory Circular AC No: 150/5370-10H and the specification provided.</i>
135	<p>Bills of Quantities</p> <p>2.A.2&2.C.2&2.D.2 Pavement construction</p> <p>Please confirm whether tack coat shall be added between Stabilized Base (bituminous base) and Hot Mix Asphalt Surface</p>	<i>Response will be provided soon.</i>
136	<p>Bills of Quantities</p> <p>2.A.2.4 Un crushed Aggregate Subbase (P- 154)</p> <p>Please provide the material type and grade requirements of Un crushed Aggregate Subbase, and the differences between crushed Aggregate Subbase.</p>	<i>Please refer to the FAA Advisory Circular AC No: 150/5370-10H and the specification provided.</i>
137	<p>Bill of Quantities</p> <p>2.A.3 Surface Markings: Hot Thermoplastic with reflective glass beads</p> <p>Hot Thermoplastic material is used for surface marking which is different from hot melt material. If the hot Thermoplastic material can be replaced by hot melt material which is better than Hot Thermoplastic material</p>	<i>The bidders shall adhere to Hot Thermoplastic with reflective glass beads.</i>
138	<p>DRAWINGS</p> <p>Airfield 3 0 I ITAC TRS DW 110001 B Airfield Pavement - Typical Cross sections (4 E Alternative)</p> <p>There is no detaild drawings for Airfield Concrete Pavement. Please confirm the concrete strength, reinforcement schedule, layout of tie bar and dowel.</p>	<i>Response will be provided soon.</i>
139	<ul style="list-style-type: none"> DRAWINGS <p>Airfield 3 0 I ITAC TRS DW 120 301 A Roads and Carparks- Signing and Marking- Typical Details</p> <ul style="list-style-type: none"> Bills of Quantities <p>4 Fencing & Gates</p> <p>Please provide detailed drawings of Airfield fencing, gates and shelters, so there will be clear about the fence foundation, fencing type, gate type and the requirements of the shelters</p>	<i>Response will be provided soon.</i>
140	<p>PART 3 CONCRETE AND STEEL WORKS + APPENDICES</p> <p>3.1.3 CEMENT</p>	<i>The bidders shall adhere to the requirements of the Bid Document</i>

S/No.	Questions	Employer's Response
	In item 3.1.3, it says "Except where otherwise specified the cement shall be Sulphate Resisting Cement", while there is no manufacture for Sulphate Resisting Cement in Tanzania now. So please advise whether it can be APPENDICES changed into Portland Cement as better option.	
141	<p>Bills of Quantities</p> <p>3.Roads and Carparks</p> <p>3.1.6 Disposal of excavated material, topsoil</p> <p>3.1.7 Disposal of excavated material, Material other than topsoil, rock or artificial hard material</p> <p>As per the BOQ, the Disposal of excavated material work is shown separately from Excavation work. Please confirm the Excavation and Disposal of excavated material work of Airside works are measured and paid separately.</p>	<i>In the Airside Works Most of the Excavated shall be used as fill material.</i>
142	<p>Bill of Quantities</p> <p>3.2.9, 3.2.10, 3.2.11, 3.2.12, 3.2.13 Kerbing</p> <p>There is no concrete strength requirement shown in Kerbing item, while the common standard requirement in Tanzania for re-casted kerbing is C30 concrete. Please confirm the same standard shall be followed. Meanwhile, please provide detailed drawings for item</p> <p>3.2.13 Kerb drain</p>	<i>Response will be provided soon.</i>
143	<p>Bill of Quantities</p> <p>3.2.15 Sidewalk paving</p> <p>Please confirm the concrete strength of paving blocks, and the thickness of sand bedding for is 5cm in drawings while 2.5cm mentioned in BOQ, please confirm.</p>	<i>Response will be provided soon.</i>
144	<p>Bill of Quantities</p> <p>5.A.1.1 & 5.A.1.2&5.A.1.3 Trapezoidal earthen ditch</p> <p>BOQ says there will be grouted stone pitching for both trapezoidal earthen and concrete ditch, while there are no details shown in bidding drawings, please clarify.</p>	<i>Response will be provided soon.</i>
145	<p>Bills of Quantities</p> <p>5.A.1.4 Equipped trapezoidal earthen channel</p> <p>Please clarify the detailed work content and provide drawings</p>	<i>Response will be provided soon.</i>
146	<p>Bills of Quantities</p> <p>5.A.1.5-5.A.1.23 Trapezoidal concrete ditch</p>	<i>Response will be provided soon.</i>

S/No.	Questions	Employer's Response
	The thickness cannot be determined in drawing No. DW 130 002. Please clarify.	
147	Bills of Quantities 5.A.1.24-5.A.1.30 Rectangular ditch with grating It cannot be confirmed whether containing reinforcement steel bars. Specific type and thickness of grating for Rectangular ditch need to be clarified with drawings. Please confirm.	
148	Bills of Quantities 5.A.2 drain channel No drawings. Please clarify with drawings	<i>Response will be provided soon.</i>
149	Bills of Quantities 5.A.3 channel with grating No drawings. Please clarify with drawings	<i>Response will be provided soon.</i>
150	Bills of Quantities 5.A.4 concrete pipe No drawings. Please clarify with drawings	<i>Response will be provided soon.</i>
151	Bills of Quantities 5.A.5 manholes No drawings. Please clarify with drawings	<i>Response will be provided soon.</i>
152	Bills of Quantities 5.A.6 Boxes There are no detailed drawings for box culvert. Concrete strength of different parts and reinforcement schedule cannot be determined. Please clarify	<i>Response will be provided soon.</i>
153	<ul style="list-style-type: none"> Drawings <p>Water system 301-EAE-SWS-130-101-E.USEES 1-2 Sewerage Network</p> <ul style="list-style-type: none"> Bills of Quantities <p>5.B.1 PROVISION, LAYING AND JOINTING-SEWERS</p> <p>Pipe materials of this work is shown as "DN250" in BOQ 5.8.1.1 and PVC pipes in Drawing "4-1 301-EAE-SWS-130-101-E.USEES 1-2", while the descriptions in bidding Technical Specifications are too general without clear requirements. According to experiences, PVC pipes shall not be used for outdoor main drainage pipeline. So please clarify about it.</p>	<i>Response will be provided soon.</i>
154	<ul style="list-style-type: none"> Drawings <p>Water system 4-1 301-EAE-SWS-130-101-E.USEES 1-2</p>	<i>Response will be provided soon.</i>

S/No.	Questions	Employer's Response
	<ul style="list-style-type: none"> Bill of Quantities <p>5.B.4.1 Unit flow rate of a pump= 4l/s, Total dynamic head per pump= 5 mCE As per drawing 4-1 "301-EAE-SWS-130-101-E.USEES 1-2", there shall be lifting pump station located at Origin MTO Road, while the quantity of it in BOQ is zero. Please clarify whether there is an error about the quantity.</p>	
155	<ul style="list-style-type: none"> Bills of Quantitiy <p>5.B.5 Biological compact wastewater treatment plant: Civil Works, Supply, Installation, connection and commissioning</p> <ul style="list-style-type: none"> Drawings <p>water system 301-EAE-SWS0-DW-130-102-B Water treatment Plant- principle design As per the description of BOQ item 5.B.5 "Biological compact wastewater treatment plant: Civil Works, Supply, installation, connection and commissioning", detailed drawings of these works shall be provided. In drawing No.5 301-EAE-SWS0-DW-130-102-B, there is a figure of "30,00" without any unit. Please clarify</p>	<i>Response will be provided soon.</i>
156	<p>Bills of Quantities</p> <p>5.B.6 Grease Separator</p> <p>Please provide drawings and specifications/requirements about this item</p>	<i>Response will be provided soon.</i>
157	<ul style="list-style-type: none"> Bill of Quantities <p>5.C.4 Short term water supply for Airport</p> <ul style="list-style-type: none"> Water system 301-EAE-WSF0-DW-130-203-B Boreholes equipment <p>Quantity of item "Short term water supply for Airport" is one (l) in BOQ 5.CA and 2 locations shown in drawing "8 301-EAE-WSFO-DW-130-203-B" Please confirm the quantity</p>	<i>Response will be provided soon.</i>
158	<p>A568TZ 17_Part I Bidding procedure- Package 1</p> <p>Section II. Bid Data Sheet</p> <p>In item ITB 14.8 specified in BDS, the taxes exemption is mentioned. Please clarify the specific taxes which can be exempted, such as the customs duties, VAT, etc. Will the taxes exemption documents be provided</p>	<i>The Employer clarified that the exempted Tax is only VAT. The Employer also informed the Tenderers that all matters related to Taxes shall be referred to Tanzania Revenue Authority (TRA) for clarification.</i>

S/No.	Questions	Employer's Response
	prior to the commencement of the work, so the Contractor shall not pay these taxes when purchase materials and equipment?	
159	Bills of Quantities 5.B.4 & 5.B.5 & 5.C & 5.D.3 Please confirm whether there needs generator as backup power source for waste water treatment plant, water supply, lifting pump station and firefighting pump station? Is the power supply for these plants under Contractor's work scope? If it is, please provide detailed drawings.	<i>Response will be provided soon.</i>
160	Bills of Quantities 5.B.4 & 5.B.5 & 5.C & 5.D.3 Is there a requirement of automatic controlling for wastewater treatment plant, water supply, lifting pump station and firefighting pump station? Whether the automatic controlling as a part of the airport controlling network connecting into the Airport Operation Center? If yes, please provide detailed specification and drawings	<i>Response will be provided soon.</i>
161	Bills of Quantities 5.B.4 & 5.B.5 & 5.C & 5.D.3 Do the foundations of wastewater treatment plant, water supply, lifting pump station need special treatment, like piling, backfilling with rocks? If they do, whether the price shall be quoted separately or not?	<i>Response will be provided soon.</i>
162	Bills of Quantities 5.C water supply network Please provide the shop drawings about the pipeline network, and requirements about backfilling material and network compaction density, etc.	<i>Response will be provided soon.</i>
163	Please confirm whether pipe trench excavation will involve rock excavation or soft material removal and backfilling within pipeline work scope.	<i>Response will be provided soon.</i>
164	Please confirm whether any specific brand or type of materials and equipment shall be used for the project? If it does, please provide the specific name or supplier; if not, we shall consider the Chinese brands	<i>Response will be provided soon.</i>
165	It is suggested to add the Environmental Monitoring System of the navigation station shelter.	<i>Response will be provided soon.</i>

S/No.	Questions	Employer's Response
166	Please provide the following data: number and height of ILS LOC antenna array, whether cold backup or hot backup is used for ILS system monitoring, distance between ILS system Localizer and Localizer antenna array, and distance between ILS system Localizer and GP antenna.	<i>Response will be provided soon.</i>
167	The function description of the monitoring system in PART 6 has mentioned the function of single lamp and the operation function of stop bar light. However, the single lamp and related system are not listed in the BOQ. Please clarify if you considered the single lamp monitoring function of the AGL lights.	<i>Response will be provided soon.</i>
168	Bill of Quantities 6A.2.1-2.5 In the drawings, there are two methods of laying for principal trench detail road crossing and sidewalk trench detail. Please clarify if MY Cables in Trenches in the BOQ belongs to the sidewalk trench detail	<i>Response will be provided soon.</i>
170	Bill of Quantities 6B.10.2 There is no Description in item 6B-1 0.2 of ELECTRICAL NETWORKS BOQ, please clarify	<i>Response will be provided soon.</i>
171	Bills of Quantities 6B-12 Please clarify the work contents of item 6b-12 AGL SWITCHBOARD (INCLUDING ALL ELECTRICAL COMPONENTS) in ELECTRICAL NETWORKS BOQ	<i>Response will be provided soon.</i>
172	Bills of Quantities 6B-13.7 In BOQ ELECTRICAL NETWORKS, the quantity of item 6b-13. 7 Runway Guard Elevated LED light c/w base plate breakable coupling, necessary accessories, and spares, is the same as that purchased and installed in item 6b-8 Runway Guard light (RGL) Runway Guard Elevated LED light. It is recommended to reduce the quantity of spares.	<i>Please Adhere to the requirement of the Bid Document</i>
173	Bills of Quantities 2.A.2.A Un crushed Aggregate Subbase (P-154) Please clarify the specific requirements for the material grading, and how is it different	<i>Please refer to the FAA Advisory Circular AC No: 150/5370-10H and the specification provided.</i>

S/No.	Questions	Employer's Response
	from 2.A.2.3?	
174	Bills of Quantities 3.1.8 Grass seeding to surfaces inclined at an angle of less than 10 degrees to the horizontal Please provide specific requirements for grass planting	<i>Please refer to the FAA Advisory Circular AC No: 150/5370-10H under Part 12 and the specifications provided. Grass seeding shall also conform to ICAO requirements.</i>
175	According to the content of the standard document, can it be understood that the refinement of construction drawings is organized and implemented by the Contractor, and the relevant content can be optimized by the Contractor as well?	<i>The Contractor will be required to provide shop drawing when need be and any alteration or refinement shall be carried out by the Engineer</i>
176	DRAWINGS Water System The current version of the drawings of water supply and sewage network is a drawing with a conceptual design depth. Can you provide drawings with a deeper design depth?	<i>Response will be provided soon.</i>
177	Bills of Quantities 5.A.7.2 Fuel farm oil separator No specific location in the design drawings, please clarify	<i>Response will be provided soon.</i>
178	Bills of Quantities 5.B.4 Lifting pump station: Civil Works, Supply installation, connection and commissioning The location of lifting pump station in the BOQ list is not specified in the design drawings, please clarify	<i>Response will be provided soon.</i>
179	Bills of Quantities Grease deparator Please specify the specific location of grease separator	<i>Response will be provided soon.</i>
180	Bills of Quantities 5.CA Short term water supply for Airport This item includes exploration of water sources, buildings and equipment of pumping stations and water delivery mains. Please indicate whether exploration of water source is within the scope of Contractor 's work	<i>Water exploration shall be included in the Contractors work</i>
181	Bills of Quantities 5.D.3 Fire water suppression station Please clarify the specific location of fire water suppression station	<i>Response will be provided soon.</i>
182	Bills of Quantities 3.2.1 Wearing course Please clarify the specific type of pavement,	<i>It shall be Asphalt Concrete (AC20)</i>

S/No.	Questions	Employer's Response
	whether its ordinary asphalt concrete surface or modified asphalt concrete surface?	
183	Bill of Quantities S.A.I.24-S.A.I.30 rectangular ditch with grating 5.A.3 channel with grating Please provide the detailed description and detailed drawings of the rain grate, whether it is metal or concrete, please provide its thickness as well.	<i>Response will be provided soon.</i>
184	Equipment, pipes, valves, etc. should meet the British standard. Please indicate whether Chinese suppliers that comply with the British standard can be used?	<i>Response will be provided soon.</i>
185	Affected by the outbreak of COVID-19, some original documents such as Bid Security, Power of Attorney may not able to be delivered in time. It is suggested to extend the deadline of submission for at least two weeks	<i>Please refer to response to Question No. 14.</i>
186	On page 22, Part 6 Electrical System of the Bill of quantities, the required Quantity for item 6B-10.2 is provided, while the description is not found. Please kindly provide the description of the item.	<i>Response will be provided soon.</i>
187	From TRA or any other institution of Tanzania, are there official decision/statements clearly declare the tax/duties exemption regarding the Msalato International Airport, Phase 1, Lot 1, Package 2: buildings?	<i>Response will be provided soon.</i>
188	Would you please share us previous practices regarding tax/duties exemption in similar cases/projects	<i>Response will be provided soon.</i>
	Would you please give other advices to solve our doubts in tax/duties exemption	
189	Part 2- Communication/ Section 1: VHF System requirement <ul style="list-style-type: none"> What are the six operating frequencies? What is the distance between the Tx site and the Rx site Knowing the frequencies and distance between the Tx and Rx sites will allow us to calculate potential mutual interference issues and include measures (cavity filters and isolators) to reduce them. If these are not known, we will make some assumptions based on typical airport installations.	<i>Response will be provided soon.</i>

S/No.	Questions	Employer's Response
190	<p>Part 2- Communication/ Section 2: VCCS System</p> <ul style="list-style-type: none"> We will offer a VCCS system. Is it necessary to offer as an option a VRS system We assume that the total quantity of radio channels that the VCS shall manage is: 6Tx+6Rx and 2 TRx. Please confirm Kindly clarify the quantity and type of 2W/4W, digital and/or VoIP ED 137 Telephone lines We assume that the offer should not include SIP Phones. Please confirm, otherwise please specify the quantity of CWP's installed at a higher distance. We assume that no digital clock system and no slave clock shall be included in the offer of the VCCS system. Please confirm. 	<i>Response will be provided soon.</i>
191	<p>Part 2- Communication/ Section 5: AFTN/AHMS</p> <ul style="list-style-type: none"> In order to scale the system according to the customer expectations, can you please clarify the number of channels requested for each link type (X.25 and asynchronous interface V.24) Can you please clarify the usage and "settings" for the telegraphic links <p>In the specification we read: it is required an AIS position. The AIS system is a different ATM system. Can you please clarify if an offer for an AIS system is required for this tender? If yes, can you send us the specifications?</p>	<i>Response will be provided soon.</i>
192	<p>Bill of Quantities</p> <p>In the tender documents we did not find a specified Bill of Quantity for chap III nav aids and communications, part 1 (sections 1,2 and 3) and part 2 (sections 1-8). We only received the BoQ for part 3 (AWOS system)</p>	<i>Response will be provided soon.</i>

Table 1: Location of Source of Construction Materials

S/N	CHAINAGE (KM)	OFFSET (KM)	LOCATION	TYPE	SIDE	REMARKS
1.	15+000	6+500	Mndemu	Stone Quarry	LHS	Along Dodoma - Arusha road (Towards Babati)
2.	7+000	2+700	Mlima Kobe	Borrow pit	LHS	Along Dodoma - Arusha road

						(Towards Babati)
3.	24+000	0+400	Nane Nane	Borrow pit	RHS	Along Dodoma - Dar es Salaam road (Towards Morogoro)
4.	27+000	1+800	Ihumwa	Sand	RHS	Along Dodoma - Dar es Salaam road (Towards Morogoro)
5.	23+000	4+000	Zuzu	Sand	LHS	Along Dodoma - Singida road (Towards Manyoni)
6	0+000		Msalato	Water (Deep Boreholes)		Within project site

***** Msalato Project site being 0+000 Chainage