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CLARIFICATION 1

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سَرُسُرُ هُ مَر No:	TES/2021/W-193			
0 × 2 0 0 بر مرق م ع	Development and Expansion of the Maafaru Airport -Phase II			
Project:				
مۇسۇر. Issued Date	April 14, 2022			
<u>ب تۇرىم</u> رىمۇر No. of Pages: -1	איי. BoQ: -00	تغریر Drawings: -00		

> Responses to the Queries raised are attached with this sheet.



Procurement Name: Development and Expansion of the Maafaru Airport -Phase II Procurement Number: TES/2022/W-021 Advertisement No: (IUL)13-K/13/2022/70

CLARIFICATION SET 1

1	Invitation for hid SECTION			
	I - INSTRUCTIONS TO PROPOSERS	page 14, ITP 23.1	The Bid security amount mentioned is not same, both clarify which one is correct	Refer to Proposal Data Sheet (PDS) ref. number ITP 23.1
2	INSTRUCTIONS TO PROPOSERS	Section I - Instruction to Proposers (ITP) page 5 (7 site visit)	If we want visit project site what is the procedure ?	Bidders need to inform MoF (Public Tender) atleast 3 days prior to planned date of visit. Once the site visit facilitation has been arranged a contact numbers will be shared with requested bidders
3	Invitation for bid	(IUL)13-K/13/2022/70	GC01, GC02 Only these two categories we found in NCR registration form, Please clarify other categories	NCR with GC01 is eligible for this project
4	Invitation for bid , SECTION I - INSTRUCTIONS TO PROPOSERS	(IUL)13-K/13/2022/70	If a subcontractor can submit a price to multiple prime contractors (eg: 2 contractors) and if the same subcontractor has submitted to multiple contractors, will the tender committee accept the proposals when reviewing the tender technical proposals. This is only regarding subcontractors and not for JV contractors bids. BTW, the sub-contractors only focus on reclamation part.	if a subcontractor or supplier is not part of the JV then they can provide pricing to multiple contractors. This would be acceptable.
5	Bidding Document Volume 2	Section VIII-Drawings	This Document is empty	It is the cover sheet for the specific section. Specified document in the cover sheet is provided
6	Bidding Document Volume 3	Section X-BOQ with estimated quantities, page 1	This Document is empty	It is the cover sheet for the specific section. Specified document in the cover sheet is provided
7	Bidding Document Volume 3	Section XI-BOQ and dayworks for pricing. Page 1	This Document is empty	It is the cover sheet for the specific section. Specified document in the cover sheet is provided
8	Registration Receipt	Transaction ID: 6215eff1d93d070009796745	During the registration process we have registered under the name of XXXX Company Ltd. only. If we have decided to participate in the bidding process in JV with a local company do we have to register and pay again, or can we use this document as our official registration and lust undate the bidders info?	A registered bidder may at anytime prior to bid opening change their composition (incorporate a JV withoiut having to pay again), by informing National Tender in writing.
9	VOLUME 2 –EMPLOYER'S REQUIREMENTS	Section V - Scope of the Works 4. PAVEMENT STRUCTURE	In reference to Section V no. 4 pg.6 "The drawings (PDF and AutoCAD) of the runway including cross sections are included in the bidding documents", where do we find the Auto CAD file in the eiven bidding documents?	Refer to Addendum
10	Section VII – Project Specifications	7.6.2 EXECUTION OF DREDGING (Pg 15) "The contractor, at their discretion may use A TSHD or CSD. If a TSHD is desired then alternate borrow sites may be used other than what was described in the EIA. However, if the contractor wishes to use another borrow site, the contractor is responsible for any additional EIA studies, surveys and testing."	Please kindly provide the following information: 1)EIA Report 2)Geological Investigation (GI) Report	If the contractor wishes to use a TSHD they need to provide an addendume for EIA report, apply for a separate EPA permit and perform Bathymetric survey. The existing EIA and EPA permit considered only a CSD and the EIA report assumed a Borrow area and bathymetric survey for that location only.
11	Section VII – Project Specifications	7: DREDGING, RECLAMATION AND EARTH WORKS 7.1 SCOPE OF WORKS (Pg 13) "The EIA report has all the available Bathymetric surveys. If any additional studies are required, the contractor shall make appropriate arrangements to investigate. The only studies that have been performed are in the EIA report. Any additional studies required will be the responsibility of the contractor such as, Meterological and hydrological conditions: wind, wave, current and	Please kindly provide the following information: 1)EIA Report 2)Bathymetric Surveys Data in Dwg	Refer to Addendum
12	Section VII – Project Specifications	7.6.2 EXECUTION OF DREDGING (Pg 14) "All materials dredged as specified on the drawings or as directed by the Consultant / Engineer shall be utilized as specified in 1.2.2."	We can't find Sub-clause 1.2.2, please provide the Specifications of All materials dredged .	Please refer to previous section 7.3 & 7.4
13	Section VII – Project Specifications	7.6.2 EXECUTION OF DREDGING (Pg 14) "For reclamation above the HIGHEST WATER LEVEL, coral material shall be placed in level, horizontal layers not exceeding 0.25 meter (loose measurement) thick and be compacted as specified before the next layer is placed. Effective spreading equipment shall be used on each lift to obtain a uniform thickness prior to compacting. As the compaction of each layer progresses, levelling and adjustments shall be performed continuously to ensure uniform density. The degree of compaction shall not be less than 95%. "	Please provide the following information as below: 1)Hydrologic parameters of construction area (HIGHEST WATER LEVEL, MSL, etc.), 2)Reclamation elevation 3) Acceptance criteria for reclamation.	Please refer to EIA report for specific heights. The existing runway crown elevation is 1.7
14	Section VII – Project Specifications	7.1 SCOPE OF WORKS (Pg 12) "Dredging areas, dredging depths and dredging limits are specified in the approved drawing layouts & Cross Section of Reclamation."	Please provide the approved "drawing layouts & Cross Section of Reclamation "	to be determined by contractor's engineer.

15	Section VII – Project Specifications	7.3 UTILIZATION OF DREDGED MATERIALS (Pg13) Materials from the dredging, as determined by the Consultant / Engineer, to be used in the Works shall be disposed of at the designated stockpile areas or other areas as approved by the Consultant / Engineer. Unless otherwise specified, compaction will not be required. However, the materials taken to disposal areas shall be levelled and shaped attractively to the approval by the Consultant / Engineer.	Please kindly confirm the location of the designated stockpile area or other areas for dredged materials disposal.	This is a general specification. The location of where the borrow material is to be taken from is in the EIA report. As this is a fill job, a disposal or stockpile area is not required.
16	Section VII – Project Specifications	7.7 TOLERANCES (Pg 15) Dredging shall be carried out to the designated depths in all parts of dredging areas with a maximum permissible over dredging of 0.3 m below the specified level (Maximum Depth) unless noted otherwise by or as agreed with the Consultant / Engineer.	Please confirm what is the specified level (Maximum Depth) .	Refer to the EIA report
17	Section II - Proposal Data Sheet Section XIII -Particular Conditions part A Section XIV -Particular Conditions part B	PDS-ITP 54.1 (Advance Payment) Contract Data 14.2 (Maximum total amount of Advance Payment) Special Provisions 8.2 (Advance Payment)	In ITP 54.1 and Contract Data 14.2, the maximum amount of Advance Payment is 15% of the Contract Price, while the amount in Special Provisions 8.2 is only 10%, please confirm 15% is correct?	Advance payment is available up to 15% Advance payment guarantee is required
18	Section XIV -Particular Conditions part B	Special Provisions 8.2 (Advance Payment) Special Provisions 8.3 (Schedule of Payments) Special Provisions 8.4 (Payment)	These clauses stipulate the timings for payment shall start from the date when the original approved documents reach the ADPD office in Abu Dhabi, please clarify: the original approved documents shall be submitted by their original paper print copy or can be submitted by scan copy via email?	The funding agency (ADFD) required original documents. During the invoice process, the original invoice, after all signatures and stamps are on it, need to be sent immediately via DHL to ADFD in Abu Dhabi. The consultant and the employer will ensure the invoice processing in the given time frame is met
19	Section I - Instruction to Proposers Section II - Proposal Data Sheet	Clause 23 (Proposal Security Guarantee) PDS-ITP 23.1 (Amount of Proposal Security)	The amount of the Proposal Security stipulated in Section I Clasue 23 is USD 300,000 (Three Hundred Thousand United States Dollars), while the one stipulated in PDS-ITP 23.1 is USD 135,000 (One Hundred and Thirty Five Thousand, United States Dollars), please clarify which amount shall brevail?	Refer to PDS, ITP 23.1
20	Section XIV -Particular Conditions part B	Special Provisions 8.4 (Payment)	As stipulated in Clause 8.4, the period for the Employer to make the Interim Payment is within forty-five (45) Days after the Engineer approves the Interim Payment Certificate (IPC) and after receiving the Statement and supporting documents, please confirm the said 45 days already includes the time for IPC approval.	the 45 days starts after the IPC approval, and after the originals are sent and received by ADFD in Abu Dhabi.
21	Section XIII -Particular Conditions part A Section XIV -Particular Conditions part B	Contract Data 14.7, 14.13 (Period for the Employer to make final payment) Special Provisions 8.4 (C)	The period for the Employer to make Final Payment in Contract Data 14.7, 14.13 is 56 days, while the period in Special Provisions 8.4 (c) is 84 days. Please confirm the said 56 days shall prevail in this case.	Final payment will be paid after 56 days. The 50% release of the retention will be after 84 days.
22	Particular Conditions	N/A	In the special provisions, the terms "DNP" and "DLP" exist simultaneously, please clarify whether the two terms refer to the same meaning?	both "DNP" and DLP (Defect Liability Period) refers to the same terminology
23	Section X-BOQ with estimated quantities	N/A	Please clarify, whether GST shall be added to the total contract value for tender analysis and evaluation? If so, what exchange rate shall be applicable for the convertion between USD and MVR?	Price will be evaluated excluding GST. Refer to addendum 2 for conversion rate
24	N/A	N/A	We didn't find any designated Sand Borrow Area (SBA) in the tender document. Please kindly provide the following information: i) Location of the SBA with deatiled coordinates, ii) Estimated quantity of the SBA, iii) Soil Investigation Report and sand quality assessment of the SBA iv) Bathymetric data of the SBA.	Included in the EIA report
25	-	National Contractor Registration (NCR)	Do you expect all the Joint Venture members to obtain NCR prior to the submission or is it sufficient for a single member of the Joint Venture who has the NCR to represent consortium? It is common in Maldives when it is awarded, Joint Venture to apply and get NCR for the project.	Refer to National contractor's Registry (NCR) clause 23 (refer to latest addendum of NCR as well)
26	Volume 2, Section VIII - Project Specifications, Clause 7.6.2 Execution of dredging;	Use of TSHD for dredging of reclamation materials and use of alternative borrow site(s)	The method for dredging of reclamation materials and the ElA report seem to be based on the requirement to use a Cutter Suction Dredger (CSD) and on the requirement that the materials shall be dredged from the borrow area B1, Reef Entrance B2 and Harbor Basin B3.	The EIA report used the CSD method. If the contractor wishes to use a TSHD then the contractor will need to perform their own EIA report, apply for an EPA permit.
27	& Volume 2, "Second Addendum to the EIA for the Proposed Airport Development Project at Mafaaru Island, Noonu Atoll" Clause 2.2 Table 2.1, Project activity: Reclamation and dredging; & Clause 2.6.2 Land reclamation. Sand Borrow Area		<u>Query:</u> Will the use of a Trailing Suction Hopper Dredger (TSHD) also be permitted as method for dredging of reclamation materials from other borrow site(s) within the atoll lagoon?	Yes, if an EIA report and EPA permit is granted.
28	Volume 2, "Second Addendum to the EIA for the Proposed Airport Development Project at Mafaaru Island, Noonu Atoll" Clause 6.4, Alternative Dredging Location)	EIA for alternative borrow site(s)	In case the use of a TSHD will be permitted, can the Employer provide approvals for borrow sites or will Contractor be responsible for defining such potential borrow site(s) and for arranging an Addendum to the EIA, assessing such borrow site(s)? Please clarify.	if the contractor wishes to use a TSHD they need to provide an EIA report, apply for a separate EPA permit and perform Bathymetric survey. The existing EIA and EPA permit considered only a CSD and the EIA report assumed a Borrow area and bathymetric survey
29	Volume 1, Section I- (ITP), Clause 14, Alternative Technical Proposal)	Requirement for pricing of CSD option in case of alternative dredging plant	In case the use of a TSHD will be permitted, does the dredging option based on the use of a CSD still need to be priced? Please clarify.	That is up to the contractor to decide, However Contractor needs to consider all the risks in case the EPA permit is not granted for the TSHD.
30	Volume 2-Section VII – Project Specifications Clause 7.3 & 7.4	Material Quality	What happens if the provided borrow sites within Maafaru Lagoon do not contain the material specified in 7.4? Will the employer be providing a geotechnical investigation of the site to the bidder?	Contractor to investigate and provide materials suitable to provide the specified pavement requirments
31	Volume 2, Section IX- "Supplementary information EIA report and EPA Permit"	EPA permit	In the title of Volume 2, Section IX- "Supplementary information EIA report and EPA Permit" is referred to the Supplementary information EIA report and to the EPA permit. However, supplementary information EIA report is not included and a copy of the EPA permit is also not included in the documents received. Please provide both.	Link to EIA report is shared with this addendum
31	Volume 2, Section IX- "Supplementary information EIA report and EPA Permit"	EPA permit		In the title of Volume 2, Section IX- "Supplementary information EIA report and EPA Permit" is referred to the Supplementary information EIA report and to the EPA permit. However, supplementary information EIA report is not included and a copy of the EPA permit is also not included in the documents received. Please provide both.

32		Bid submission	We would like to require the extension of bid submission for 40 days.	Refer to Addendum 4
33	VOLUME 2 -EMPLOYER'S REQUIREMENTS	Section VIII - Drawings	the dimension of the typical cross sections is different to the drawing No. RWA-MAP-SRT-066 - "MAAFARU AIRPORT RUNWAY EXPANSION". For example, the strip width is 75x2m in cross sections while the expansion layout is 140x2m. However, it's already stated in Section VII – Project Specifications, 7.1 Scope of Works, that Contrctor to use the RWA-MAPSKT-066 for the current quantities and location of the scope in question.	The cross sections provided are as-builts from the phase I contractor showing 70 meters each way from centerline. The existing runway strip is 70 meters each way from centerline of runway. There are a couple areas where this 70 meters is not quite met and will need to be part of the widening of Phase II. The new runway airstrip will need to be widened to 140 each way from centerline.
34	VOLUME 2 –EMPLOYER'S REQUIREMENTS	Section VIII - Drawings	In reference to Section V no. 4 pg.6 "The drawings (PDF and AutoCAD) of the runway including cross sections are included in the bidding documents", where do we find the Auto CAD file in the given bidding documents?	Refer to Addendums
35	VOLUME 2 –EMPLOYER'S REQUIREMENTS	Section VII – Project Specifications 7.6.2 Execution of dredging	"For reclamation above the HIGHEST WATER LEVEL, coral material shall be placed in level, horizontal layers not exceeding 0.25 meter (loose measurement) thick and be compacted as specified before the next layer is placed. Effective spreading equipment shall be used on each lift to obtain a uniform thickness prior to compacting. As the compaction of each layer progresses, levelling and adjustments shall be performed continuously to ensure uniform density. The degree of compaction shall not be less than 95%" Ground improvement will be needed or not for reclamation below the HIGHEST WATER LEVEL?	Perhaps in certain locations. Upon inspection, the contractor will see that the area to be built under the runway and new airstrip will be built up on the existing rock (coral) base, so there isn't very much ground improvement to do. For the areas below low water level, hydraulic filling and compaction from above with a vibratory roller will be necessary to achieve the necessary compaction requirments.
36	VOLUME 2 –EMPLOYER'S REQUIREMENTS	Section VII – Project Specifications 7.6.2 Execution of dredging'	Please kindly provide the following information: 1)EIA Report 2)Bathymetric Surveys Data in Dwg	Refer to Addendums
37	VOLUME 2 –EMPLOYER'S REQUIREMENTS	Section VIII - Drawings	AGGREGATE is used in the base course of the existing runway pavement, whether the new runway pavement should also adopt the same material, or allow the replacement of coral gravel?	the material under the runway needs to meet the required parameter and specifications
38	VOLUME 2 –EMPLOYER'S REQUIREMENTS	Section VIII - Drawings	Is the existing blast pad paved or dirt? Should it be upgraded or remain unchanged?	the existing blast zone is grass.
39	BOQ	Bill No. 4	Shoulder raising-2200m x 9m x100mm in BOQ Bill No-04, does it mean the raising width of 9m on one side of runway?	both sides of the runway but at a triangular wedge. Blended into the existing grade. The intention is not to relocate the edge lights. Care must be made to make sure the new shoulder is slightly below the runway edge and is sloped away from the runway to avoid ponding. Grass will need to be re-seeded along the shoulder and any areas disturbed during construction.
40	VOLUME 2 -EMPLOYER'S REQUIREMENTS	Section V, Clause 6	GeoBags are specified (Geotube is alternative). However rock or tetrapod for ocean side revetment and geobag for lagoon side revetment is indicated in BOQ of Volume 3. Please clarify that is any type of structure is allowed to use if the function of the revetment is satisfied.	The contractor may provided an alternative, in the technical proposal please indicate what you wish to use. If the contractor wishes to propose something different than rock or tetrapods will be allowed, but keep in mind, the protection of the shoreline must be maintained and for either system whether, rocks, Tetrapods or alternative, calculations with technical data showing the proposed method will need to be submitted and anorozed
41	VOLUME 2 –EMPLOYER'S REQUIREMENTS	Section VII, Clause 8.2.1:	"All stone materials specified in the following as stone class IV, V, VI and VII may as an alternative to the above-mentioned rock be obtained from sound coral rock or beach rock. The material shall have an apparent specific gravity of not less than 24KN/m3 when saturated and surface dry."	Care must be taken underneath the runway and shoulders to make sure the requirements for pavement strength are met. Contractor needs to demonstrate that the material used meets these requirements.
			parameter / in dex of the coral rock and beach rock. Please clarify if the coral rock and beach rock can be used as the filter layer.	The excitation and the second state in the second state in the second state in the second state is a second state in the sec
42	VOLUME 2 –EMPLOYER'S REQUIREMENTS	Section VIII - Drawings	The top erevition reventent is 15100, not were in section 2.0.5 of EIA, it's designed as 1.4m for Type A, and 2.2~2.5m for Type B, please clarify the elevation requirement of the reventent since there is few hydrological, bathymetric information/data/report and lack of detailed overtopping criteria, is the top elevation of the existing airport reventent?	The existing reventent on the agoon side needs to be verified as the limits will be moved 70 meters. As for the revertment on the ocean side, there is no existing revertment. The revertment design will need to take into account the overtopping and protect against erosion behind the revertment. in all cases, calculations will need to be provided showing the proposed system is accentable and functional
43			Please confirm whether the simple approach lighting system to be designed at both ends of the runway should be a single light source or a barrette at least 3m in length	updated drawing, showing the barrette is shared with this addendum
44			As is commonly used worldwide in the hydraulic engineering, We would suggest to follow the tolerance specified in table 9-7 and table 9-8 of CIRIA C683, please confirm.	That would be an acceptable reference.
45			Can we request the location for Temporary accommodation and material storage?	on the masterplan RWA-MAP-SKT-066_masterpaln extension_20201220 drawing there is an area designated to be used as a work camp and storage area. Keep in mind that the trees in this area will need to be removed first.
46			Is there any demolition work at site?	Contractor needs to review the drawings and determine how much demolition will be required. One item that will be necessary is the removal and expansion of the CCR
47			How about the water and Electricity facility availability at site?	Electricity to test the new airport lights and systems will be connected into the airport network. Power and water for the asphalt plant and work camp will need to be supplied by the contractor for the works. This includes any light plants that may be required for night operations. Contractor needs to make sure that during night opereations that there is plenty of temporary light coverage for the works for safety and inspection of the works.
48			Status of Harbor for Landing Craft.	contractor can contact the local council for access and capacity of the existing harbor. Keep in mind that any equipment going from the harbor to the site will need to have "flaggers or spotters" monitoring the roadway to protect the local population. Contractor is required to provide an assessment report prior to using the harbor to show original conditions. Likewise an assessment report at the end of contruction would be required as well to show that no damage was done to the harbor or the facilities. if the harbor or roads are damaged due to the contractor's works then that will need to be repaired at the contractors cost.
49			Is there any near spot to take electricity for work site?	There is a power plant (Fenka) close to the end where the work camp is designated. However, spare capacity on the island is limited. Power will need to be provided by the contractor from stand alone generators.
50			Can we get water for construction work from site?	the freshwater requiremnt for the site needs to be provided by the contractor.



51		How many trees are in work site? removal or relocation is required?	contractor to assess the number of trees to be removed.	
52		Please mention the location for Disposal of Demolition and construction debris	There is no location for disposal of construciton debris. Contractor to plan on removing material to an approved disposal site. please refer to EIA report for explanation of material removal.	ENST
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