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އެމީނީ މާގު، ރާއްޖޭގެ ޖުމްހޫރިއްޔާ

CLARIFICATION 1

ޕްރޮޖެކްޓް ޖަހާ ޖަނާބު 1

ނަންބަރު No:	TES/2019/W-072	
ޕްރޮޖެކްޓް ނަންބަރު Project:	Design and Build of Hulhumale' Office Building on E.P.C Turnkey Basis.	
ޖުމްހޫރިއްޔާ Issued Date	08 <sup>th</sup> July 2019	
ސަފުހާ ގެ އަދަދު No. of Pages: -01	ބޯޕްލާނު Boq: -	ޖަހާ ޖަނާބު Drawings: 2

Please include this amendment when submitting the bid. ޖަހާ ޖަނާބުގެ ބަޔާން ޖަހާ ވަނީ ޕްރޮޖެކްޓް ޖަހާ ޖަނާބުގެ ބަޔާނުގައި ފާހަގަ ކުރެއްވުމަށް.

- Attached please find the :
  - AutoCAD Drawings
  - Answers to the queries
  - Drawings (Site Plan, Planned Roads, Design)

ނަންބަރު  
Name: Aishath Nadheema

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Signature:



**Design and Build of Hulhumale' Office Building on E.P.C Turnkey Basis  
CLARIFICATIONS**

#	Question	Answers
1	What are the procedures if a foreign company will to register the tender?	The foreign company will need a letter from Ministry of National Planning and Infrastructure stating if they are eligible to tender for the project.
2	Do the foreign party need to register in Economic Ministry if they want to take a part in the tender?	For first timers, foreign parties can take part in the tendering process if it is an International bid without registering under Economic Ministry. If the party wins the bid, they would have to get registered under Economic ministry and NCR and follow the National Contractor's Regulation to establish the work.
3	However, if there are not registered under Economic Ministry, foreign party cannot apply for NCR	Foreign parties cannot apply for NCR if they are not registered under Economic Ministry. However, they can take part in the tender process once the ministry (MNPI) issue them a letter stating so.
4	We are keen to participate for this tender, as it's a 'Design and Build of Hulhumale Office Building on E.P.C Turnkey Basis' we would kindly request a time extension to submit the tender by further 6 weeks; hence until 31st July 2010	NA
5	Could you please arrange us a AutoCAD version of all the drawings, if so we can send an representative from Maldives to collect it	AutoCAD version attached, however please understand that this is a "design and build" project and that the drawings we have proposed is our general requirement. The internal layout, lights, power points etc can change based on the final design of the winning bidder.
6	We cannot find an annexure 'A' we have annexure B, C & D is there an annexure 'A'? There is no file called "Annex A", the missing Annexure might be Architectural Requirement. I seek your advice regarding the find of missing Annexure (Annex A)	Annex A is the drawings attached
7	<b>Technical:</b> As it's a design and build EPC Turnkey project we need to urgently visit Maldives to do the on ground study hence we plan to visit Maldives with our full team on Sunday morning 9th of June 2019, we have few questions and request form your office: - Can we have the AutoCAD drawing/ can we get our representative to collect the AutoCAD drawing before we arrive? - Site visit and discussion can your office arrange an officer to visit with us the site as we feel that is important as we may have various pertinent questions on Sunday the 9th June and Monday the 10th of June 2019.	AutoCAD version attached, however please understand that this is a "design and build" project and that the drawings we have proposed is our general requirement. The internal layout, lights, power points etc can change based on the final design of the winning bidder.
8	Annex B: Minimum Requirements for Civil & Structural Design, clause 2.3 specify design basic wind speed as 45 m/s, whereas in the specifications given in the Structural Engineer's brief (6.0 Design Parameters) specify design basic wind speed as 22 m/s. In the precedence of documents Architect/Engineer's drawings, details and specifications specific to the project have precedence over the general specifications.  Please confirm whether we should design for basic wind speed 45 m/s or 22 m/s.	Design wind speed maybe taken as 40 m/s
9	Architect has indicated source of supply for 09 items of materials (raised access flooring, walls, ceilings, insulation, movable sound insulated partition systems, roof drainage system, floor boxes & fire protection material for steel structure)  The sources given as above are from USA or Europe. Is it mandatory to use the same brands and suppliers or the bidder can propose his choice of the available sources of above materials and the country of origin from the list of permitted countries for imports.	Brand and source does not matter. They need to conform to an international building standard or any standard acceptable to the Maldives buildign regulations. They must conform to all norms in its technical performace such as fire, durability and accpetable warranties wherever applicable. The contractor must provide the technical performace data or documentation for the client's records
10	Can the bidder propose a reputed fire paint for the structural steel elements instead of fire resistant boards to cover the steel columns and beams? Fire retardant paint and architecturally exposed steel columns/beams will be much faster in construction and column/beam surfaces will be visible for inspection and for future repainting. (Note that Beams will be covered within the ceiling space, only steel columns below the ceiling will be exposed).  Please confirm whether reputed fire resistant paint is acceptable instead of covering of structural beams and columns with fire retardant boards.	Any intumescent paint that gives the necessary durability and confirm to local fire standards is acceptable. The contractor must provide the technical performace data or documentation for the client's records
11	Structural Engineer's Design Brief for unit weight of floor screed and finishes is given as 11-12 KN/m <sup>2</sup> . In our opinion this should 11-12 KN/m <sup>3</sup> (should be the density). Please confirm.	Please disregard unit weight of floor screed and finishes value specified in the Annex A Architectural drawing and finishing schedule section 6.0. The floor screed weighth should be calculated based on the actual floor screed thickness and floor finish unit weight based on the unit weight of materials as specified in the the finishing schedule.
12	Building shall be designed considering design life of 50 years, but warranties for the systems and products incorporated in construction shall be as per the warranties given by respective product/ systems manufacturers. Please confirm whether this is acceptable.	Minium 2 year warranty should be given for any electrial and mechanical products used in the building.
13	Material specification of external and internal walls:- - External walls: 150mm cement/sand block walls above ceiling level up to the structural slab. Do you require insulated cavity wall as specified in cl 8.0 of Annex B? Please clarify. - All toilet walls we propose to use 150mm solid cement/sand block work for the perimeter and 100mm solid cement/sand block work for the internal toilet partitions. Please confirm whether this is acceptable.	The finishing details will only be finalised during detail design stage



14	<p><b>Contractual:</b> Please clarify whether applicable FIDIC Conditions of Contract is - FIDIC Silver Book "Conditions of Contract for EPC/Turnkey Projects" First Edition 1999 (page 68 of 82, Section VII- General Conditions of Contract for the Procurement Works") Or - FIDIC Yellow Book "Conditions of Contract for Plant and Design" First Edition 1999 (page 69 of 82, Section VIII- Particular Conditions of Contract for the Procurement Works")</p>	FIDIC Silver Book "Conditions of Contract for EPC/Turnkey Projects" First Edition 1999
15	<p>Please provide a soil investigation report for the selected site location. If such report is not available, please confirm whether the bidder will be entitled for adjustment of contract price for any unforeseen ground conditions. Assumed load bearing capacity for the foundations is given as 150 KN/m<sup>2</sup> in the design parameters of the Structural Engineer. Or else, Employer can allow the successful bidder to carryout soil investigation before award of the contract and if any unforeseen conditions are encountered (situation different from the assumptions used in the bidder's design), bidder can propose adjustment before signing of the contract. Please advise on this matter.</p>	There is no soil investigation report available at this stage. All local regulations for building approval shall be followed by the winning bidder. This means a local registered engineer and structural checker should sign off the designs. It is upto the bidder to determine which studies are required to carry out the detail design. Contract price will NOT be adjusted due to this.
16	Will the contractor be entitled for time extension due to any adverse climatic conditions, considering very tight time schedule for completion?	Will follow the contract clause
17	Will the contractor be entitled for additional period of 3 weeks for testing and commissioning after completion of the building?	Yes, all contractual obligations must be included in the project schedule of one year
18	We have a further request we are arriving in the Maldives tomorrow the 10th of June morning hence please arrange a site visit for our team for tomorrow morning the 10th of June 2019	NA
19	Employer's requirements: Project Deliverables, Page 62 of 82 The 8 weeks time period up to submission of specifications for the project, is it before the date of commencement of the project? Our understanding is that this 8 weeks period is in addition to one year time period allocated for the execution of the project. Please confirm.	8 week is included in the one year period
20	Please indicate time period that will be taken by the Engineer to grant approval or comment on contractor's designs and specifications.	As per the contract
21	<p><b>Commercial:</b> <b>* Currency of the Payment</b> Currency of the Payment is specified in the BDS sub-clause 15.15 Quote "<i>The currency of account shall be in Local Currency</i>" Unquote  However, the IIT sub-clause 15.2 Quote "<i>Tenderers may be required by the Employer to justify, to the Employer's satisfaction, their local and foreign currency requirements, and to substantiate that the amounts included in the prices shown in the appropriate form(s) of Section IV, in which case a detailed breakdown of the foreign currency requirements shall be provided by Tenderers</i>" Unquote  Therefore, kindly clarify if Tenderers provides the requirement of foreign currency will it be paid accordingly during the course of the project?</p>	Payment will be done only in local currency
22	<p><b>* Temporary Land for Contractor's Temp. Facility's</b> Please provide the location and area details for temporary land for contractor's temporary facilities such as material storage, accommodation etc upto construction period</p>	Adequate temporary land will only be given for material storage within/adjacent to the building site. No additional land will be provided for accommodation of Contractor's staff. All additional lands required by the contractor is leased from HDC based on availability of land at the rate of MRF 5.0 per square feet.
23	<p><b>* Timing of Payment</b> As per BDS sub-clause 14.7 Quote "<i>In sub-paragraph (b) of Sub-Clause 14.7, delete "56" and substitute "42"</i> Unquote; However, is it possible to make it "21" considering the time constrain of the project period</p>	Shall remain as "42"
24	Does the structural frame have to be designed in concrete or steel?	A steel frame is preferred since we believe this is the practical option to complete the project within the specified time frame. If a concrete frame is proposed, the bidder has to clearly indicate with a detailed work plan (including curing time etc) on how he plans to achieve the timeline. A work schedule is required even if the bidder is proposing a steel frame inclusive of prefabrication and lead time for shipping and assembling
25	Does the contractor have to do a geotechnical investigation to determine the soil bearing capacity?	This determination should be done by the registered local engineer who would be taking the design responsibility.
26	Is the concept design provide the final design or do we have to prepare a new concept for this building?	The provided drawings are just the general requirement of the government. As this is a Design and Build Project, the final drawings will have to be submitted by the winning bidder for government approval. The final design will change based on the final design development phase to be conducted between the winning bidder and the government of Maldives. The bid price should be based on the footprint area, number of floors, the proposed use of each floor and the finishing schedule provided in the Employer's requirement. Unless there is significant deviation from these requirements and any specifications specified in the Employers requirement, adjustment to the bid price will NOT be allowed. Just to give an example for clarity for all bidders: Internal arrangement of the offices, number of lights, power points will most likely change during design phase, but this will have to be done within the bid price. However, if the Employer request to have an additional floor, this will be considered for price adjustment
27	If a joint venture Bid is done, would you require joint venture agreement with the Bid submission?	Yes
28	In the event of Material supply, especially steel structure elements could be unloaded to Hulhumale' Port Directly? If so, what is the maximum tonnage of Vessel that can be berth to Hulhumale' Port?	Bidders to clarify this with MPL and HDC



29	Re-export of heavy construction Equipment E.g. Tower Crane and Batching Plant; what is the maximum Duty-free duration that can be applied (Duty Exemption Period); if less, can we get duty exemption duration for construction period plus the demobilization period?	Bidders to follow existing regulations. Any further clarifications should be done directly by the bidders with the relevant government institutions
30	Project based quota for expatriates are available or not?	Project based quota must be applied
31	Is movable furniture included or not?	Not Included
32	Appendix A is not found in the tender documents. Please provide Appendix A.	Annex A is the drawings attached
33	Please clarify whether outside curved profile and diagonal brace are necessary in detail design, diagonal brace could be brace system for steel frame structure, and it is not necessary for concrete frame system.	Changes to structural components (mainly for purposes of value-engineering) is acceptable as long as the contractor provides the design and design calculations for the structural engineer to check. Upon completion of the project, it will still need accreditation by the structural engineer for any design change.
34	Design parameters: CIVIL AND STRUCTURAL ENGINEERING STRATEGY show Basic wind speed is 22m/s, but Annex B Section 2.3 shows basic wind speed is 45m/s (BS CP3), please clarify what is the basic wind speed and which code should be followed.	Design wind speed maybe taken as 40 m/s
35	Rebar Materials: Annex B Civil Structural Design requirements, Section 3.1.2.3. As our experience, reinforcement with yield strength $f_y=500\text{MPa}$ is more convenient to be purchased in Maldives, please clarify whether it is acceptable.	What is specified in Annex B is the minimum as clearly stated. Higher grade steel may be proposed, but it should conform to BS 5950.
36	Steel Materials: Annex B Civil Structural Design requirements, Section 3.2.1. In order to meet the construction schedule, we prepare fabricate steel structure from china with strength $F_y=355\text{MPa}$ (Q355), please clarify whether it is acceptable.	What is specified in Annex B is the minimum as clearly stated. Higher grade steel may be proposed, but it should conform to BS 5950.
37	Steel Materials: Annex B Civil Structural Design requirements, Section 3.2.1. In order to meet the construction schedule, we prepare fabricate steel structure from china with strength $F_y=355\text{MPa}$ (Q355), please clarify whether it is acceptable.	What is specified in Annex B is the minimum as clearly stated. Higher grade steel may be proposed, but it should conform to BS 5950.
38	Please clarify the boundary of the building and whether it is close to the planned formal road?	Attached please find the Site Boundary, Setbacks according to planning regulations are to be observed
39	Whether the domestic sewage, excavation dewatering and construction waste water can be directly discharged into the sea or can be discharged through the nearby municipal sewage pipeline network. (If both are not available, please specify the dumping site)	Cannot be discharged to the sewerage network.
40	Can we work 24 hours?	Yes,
41	From our on-site investigation, there are some buried water pipes in the site. Please provide Underground Pipeline Line Drawings	File attached
42	Whether the municipal water on site work normally, and whether it can be applied for use?	The Contractor has to make arrangements to connect water supply required for the works and pay the required fees etc to the service provider
43	Is furniture within the scope of our contract? If so, please provide the grade and brand of furniture.	Loose furniture is not included in the project
44	Are garbage dumps and vegetation in the site included in this quotation? If not, please clarify the designated site.	Garbage and waste disposal shall be the responsibility of the contractor and carried out in accordance with the local regulations
45	Fire resistance required for structure, lobbies, fire rated doors, etc	Fire resistance required for structure 2hrs minimum. Fire resistance to escape route walls/partitions: 2hrs Doors as given under Shell and Core, doors.
46	Clarification on the seismic design requirements	Seismic loading is not considered since Maldives is not located in a seismic zone
47	Soil investigation report	See answer to Q 15 and Q 25
48	Clarification of the Plinth height required for the placement of Ground Floor with respect to external ground level.	Finished Floor Level (FFL). FFL is at 450mm from Natural Ground Level.
49	The proposed structural concept of steel framed building will have a perceivable vibration, clarification of the required vibration control limit.	Calculated building natural frequency should be greater than 4Hz (Calculated and compared as per BS 5950-2000)
50	Clarification on activities expected for the Multifunctional hall	Seminars, workshops, events, etc.
51	Clarification on whether Generators are located at upper levels	Generators housed at first floor level
52	<b>A-General Clarifications:</b> There are some discrepancy between floor plans and room list. Which one should be considered as the actual? (For example there is no seminar rooms in the drawings but there are seminar rooms in the room list etc.)	The provided drawings are just the general requirement of the government. As this is a Design and Build Project, the final drawings will have to be submitted by the winning bidder for government approval. The final design will change based on the final design development phase to be conducted between the winning bidder and the government of Maldives. The bid price should be based on the footprint area, number of floors, the proposed use of each floor and the finishing schedule provided in the Employer's requirement. Unless there is significant deviation from these requirements and any specifications specified in the Employers requirement, adjustment to the bid price will NOT be allowed. Just to give an example for clarity for all bidders: Internal arrangement of the offices, number of lights, power points will most likely change during design phase, but this will have to be done within the bid price. However, if the Employer request to have an additional floor, this will be considered for price adjustment
53	In the drawings, fire protection of the steel structure is provided by rockwool covering. Is it possible to change fire protection system of steel structure with fire paint or fire mortar by obeying the time limits.	This is acceptable as long as the relevant time limits specified in the codes are achieved. However, exposed steel columns and beams are not acceptable
54	For the construction period of the project any mobilisation or storage area will be provided to contractor?	This can be accommodated within the project site. Additional land requirement must be made by contractor at their expense
55	As you know, to dispose excavated material in Hulhumale' is chargeable. In case, if it is usable material, will it be possible to keep the excavated material in any of HDC lands, or contractor has to find a solution for excavated material?	Contractor has allow for disposal of the excavated material within the contractor price
56	It is written that there is no exemption for local duties. Can you please confirm.	No exemption for duties or taxes
57	<b>B-Facade Related Questions:</b> What is the configuration of the glass used on the exterior? What are the specified glass performance values?	Double glazed, Uf values up to 0.70 W/(m <sup>2</sup> K)
58	Facade system SCHUCO FW60 system is specified. Please confirm if it is possible to use equivalent systems (Reynaers, Sapa, Kleidco etc.).	Equivalent system is fine



59	Are there any window openings inside the facade system to have natural air inside or to access planter box? If yes please provide the opening units dimensions, types and locations.	These facade must have adequate number of windows that can be opened if required. A solution for changing of plants and maintenance works on the facade must be provided by the designer
60	Will there be any coating under the planter pots support beams in front of the facade?	All structural components should adhere to contractor or suppliers warranties and technical specifications. Durability will be the basis for this.
61	The sun-shade elements fixed or moving? If movable are they manual or motorized? If they are motorized, is there any scenario? Will it be connected to an automation system? (In case of rain or wind, is there any sensors required for the motion.)	Fixed, However winning bidder can provide alternative options during the finalization of the detail design
62	What is the type of material for the cable system in front of the facade? (Steel, aluminum, stainless steel etc.)	This should be a specialist-contractors design and should provide its technical performance and durability. It is left to the specialist-contractor or supplier to provide maintenance regime if and to recommend renewing of the system if necessary.
63	Revolving doors at the grand floor, please confirm if it is manual or automatic?	Automatic
64	What is the required fire grade for composite panels to be used as facade and column coverings in the building.	Surface spread of fire to conform to any accepted international fire code and accordingly documented in the manufacturer/suppliers' technical specifications
65	What is the facade covering of the main entrance canopy?	Aluminium and glass, However, the winning bidder can propose alternative options during the design stage.
66	<b>C-Mechanical Related Clarifications:</b> It has shown two different plumbing lines as potable & non-potable lines. Can you please clarify what is the purpose of usage of the lines, in which system, which line to be used. (Example: rainwater line to be used in flush tank etc.)	Non-potable is for WC flushing. Rainwater harvesting with underground tanks is the preferred option. All others to be from water mains supplied by municipal water supply network.
67	Is there any hot water requirement for the building? If there is, which one is preferable; boiler system or electrical water heater system?	No hot water system is required for the building
68	Is there any specified location and capacity for the rain water tank? In which areas, rain water to be used? Any filtration system is required?	Underground tanks was the option preferred. Means shall be provided to avoid stagnation and disinfection may be required
69	Grease traps shall be used floor by floor, or only one single tank at the output of the building?	Floor by Floor
70	Regarding Fire Fighting System: a- Is there any external fire hydrant requirement? b- Is it required to use FM-200 system in the building for Main Server room? c- Fire extinguisher types are not mentioned in the tender package. Can you please clarify. d- For fire escape routes, do we need to use smoke exhaust fans?	External fire hydrants are preferred A FM-200 or NOVEC 1230 system is required to be installed in the main server room. Dry chemical extinguishers or water and CO2 extinguishers are required. Smoke extraction system for escape routes is required
71	Fresh Air Processing Units shall be mixed type or not?	can be mixed type, but capacity should be to provide at least ASHRAE minimum ventilation requirements.
72	All staircases shall have roof mounted air supply system to be operated during fire alarm. Is there any pressurizing fan required for the elevator shafts?	Elevator shaft and stair case shall be maintained at positive pressure such that no smoke shall enter these spaces during a fire.
73	Mechanical ventilation is requested in the shell and core scope for carparks. Please confirm if only ventilator usage is requested or directing motorcycle and car park areas is requested as mechanical ventilation.	mechanical ventilation is required for all parking areas to at least maintain the minimum ventilation rate required by ASHRAE or CIBSE such that any CO/CO2 concentration can be diluted.
74	Please clarify if CO level to be detected and control the ventilation systems for motorcycle and carpark areas.	CO and CO2 level detection is preferred to race up the ventilation system if required. However minimum ventilation required for such spaces shall be provided by mechanical systems at all times.
75	Is there any requirement for dehumidification?	Passive dehumidification is preferred
76	Please clarify the smoke and fire zones of the building.	Shall be decided during the detail design stage
77	Is there any requirement for irrigation for facade plants.	yes
78	Please clarify the requirement for water treatment system.	see queries 66
79	<b>D-Electrical Related Questions:</b> Please clarify the available area dimensions for solar energy cells. And please clarify if solar energy will be connected via automatic transfer switch to main line.	Solar PV system shall be connected through Grid Connected Inverters to the main line via Net Metering.
80	There is no UPS power mentioned for critical loads such as Security system, data network devices etc. Please clarify the necessity of central UPS requirement.	Central UPS requirement preferred
81	In "Building Services Engineering Strategy" it is mentioned as 11 kV incoming line. Please clarify incoming and outgoing requirements. (Example: 1 Incoming + 1 outgoing + 1 measurement + 1 transformer protection cell to be designed.)	one Incoming via Ring Main Unit.
82	Please clarify if there is a need of exterior technical room for MV and Generator. If not please mention the preferable location for Generator. (Example: A separate MV, generator room to be provided. Contained type, ready MV, LV package unit might be used)	see queries 51
83	In "Shell and Core Schedule" it is specified only mechanical ventilation for Electrical Substation. In case, this room will be used for LV systems, so we are suggesting AC for the room. Please confirm.	It would be cheaper to operate an outdoor transformer substation without air conditioning. LV Panel room shall be airconditioned
84	There is no dedicated area designed for sub-distribution panels, especially for car park and terrace area. Although server room functionality is not clear, we are planning to share server room as electrical distribution areas. Please confirm.	Car park has only lighting loads. The distribution board will be small enough to be fixed on the wall.
85	Please specify the relation and priority between City Main Power Line, Generator and Solar Energy distribution.	City Mains the primary and Stand by Generator. Solar panels shall be optional.
86	Is it possible to provide office furniture plan to locate the floor boxes for the desks.	The design should include the office furniture layout. But supply of office furniture is not included in the bid
87	Please clarify the floorbox types for the usage such as; - Floor boxes Type-1; 2 x UPS Socket Outlet; 2 x Socket Outlet; 1 x Data for PC / Laptop; 1 x Data for IPTel (PoE); 1 x Data Back-up - Floor boxes Type-2; 2 x UPS Socket Outlet; 2 x Socket Outlet; 2 x Data for PC / Laptop; 1 x Data for IPTel (PoE); 1 x Data Back-up - Floor boxes Type-3; 2 x UPS Socket Outlet; 2 x Socket Outlet; 2 x Data for PC / Laptop; 1 x Data for IPTel (PoE); 1 x Data Back-up; 1 x Data for Printer; 1 x Telephone analogue - Floor boxes Type-4; 2 x UPS Socket Outlet; 2 x Socket Outlet; 1 x Data for PC / Laptop; 1 x Data for IPTel (PoE); 1 x Data Back-up; 1 x Data for Printer; 1 x Data for Audio Conferencing Facility	Floor Boxes Type - 3. except for conference rooms
88	Please clarify active devices scope. Also please clarify if wireless antenna system, GSM antenna system is required or not?	Not required.
89	Please clarify the type and quantity of physical networks for IT systems. Please clarify if there is a back-up system designed for IT Networks.	Shall be decided during the detail design stage



90	Please clarify the cable type to be used for IT systems. (CAT5- CAT6 - UTP - FTP - OM2 etc.)	Shall be decided during the detail design stage
91	Please clarify if underfloor busbar can be used to distribute power to floorboxes as a best practice solution.	NO. Busbar system not allowed.
92	In lighting design, it is shown as fluorescent bulbs. Please confirm if it is possible to use LED lighting.	LED lighting is preferred. For all ELV systems, the requirements specified in Annex D will take precedence over anything specified in the drawings in Annex A
93	Please clarify if facade lighting and exterior lighting will be provided or not?	Shall be provided.
94	Please clarify indirect or direct lighting fixtures will be used for office areas.	Direct
95	Please specify the lighting areas to have a dimming function. Besides kindly request to specify the control method of dimming; <b>Occupancy Sensor - Office Zone, Multi Purpose Area, Minister/SM Room</b> <b>Motion Sensor - WC, Parking Area, Corridor</b> <b>On/Off System - Lift Lobby, Technical Area</b>	Only On OFF.
96	Please specify the requirements of each meeting rooms for AV system.	Shall be decided during the detail design stage
97	Please clarify the PBAX requirements. Incoming lines, internal usage, analogue or IP system?	Shall be decided during the detail design stage
98	Please clarify the SMATV specifications. IPTV, Cable tv or Sattallite TV system to be used?	Cable TV
99	Please specify if void detection will be provided for above of suspended ceiling. (Fire detection for voids)	ceiling void detection is required
100	Please clarify if access control will be provided for tourniquettes, minister rooms, technical area, staircases etc.	yes
101	Please clarify if air curtains is required for the revolving doors?	Yes
102	Please clarify if there are centralized clocks or any clocks with power and data functionality.	NO
103	Please clarify if disable toilet alarm system will be used for wheel chair accessible toilets.	Yes
104	Please clarify if any barrier system will be required for car and motorcycle entrance and exit.	Yes
105	We noted that the international bidders to be registered in the foreign investment registration and contractor's registration regulations applicable at the time of Tender Submission. Please confirm that it can be done post awarding of the Tender	see queries 03
106	Please confirm that whether sufficient land for our Labour accommodation, Site Office, material Storage area shall be provided by the client at free of cost inside/Near to the site.	Adequate temporary land will only be given for material storage within/adjacent to the building site. No additional land will be provided for accommodation of Contractor's staff. All additional lands required by the contractor is leased from HDC based on availability of land at the rate of MRF 5.0 per square feet.
107	We understand that a step-down Transformer to be installed on the Ground floor. Please confirm whether the Transformer will be supplied by the client at free of cost or It will be the scope of the contractor.	It shall be provided by the contractor
108	Emergency DG set of required capacity to be provided to cater the critical loads. Please confirm that whether it will be supplied by the client or contractor scope of supply.	It shall be provided by the contractor
109	We presume that all the sanitary waste and other wastes shall be directly connected in to the MWSC main junction provided near to the site. Please clarify.	MWSC will provide sewer main up to the plot line and the location in accordance to the plans set for that area.
110	As this tender involves major scope of works which require time for getting the quote from the sub Vendors and hence requesting you to extend the time for submitting the Tender to 24.07.2019 instead of 24.06.2019.	NA
111	Refer to the above mention subject we here by request you to grant 2-week time extension to submit the tender as this is a design and build tender we need more time to do design and make the price proposal.	NA
112	Regarding of EPC/Turnkey Construction of Hulhumale Office Building, as the drawings are in PDF version which is inconvenient for our preparing of tender documents, so we would like to know if the CAD version of the rendering is available?	AutoCAD version attached, however please understand that this is a "design and build" project and that the drawings we have proposed is our general requirement. The internal layout, lights, power points etc can change based on the final design of the winning bidder.
113	Sorry I am not able to open the attached file. Could you please try sending in another format (Word or pdf)?	Drawings attached
114	Please also provide us AutoCAD drawing to expedite our Tender cost calculations/submission	AutoCAD version attached
115	Whilst we are referring to the bidding document received, found that two different version of FIDIC are mentioned as General Condition of Contracts. i.e. in page 68 of 82 (attached), mentioned as "EPC/Turnkey Projects" First Edition 1999" as General Condition of Contract for this proposed project, consequently in page 69 of 82, mentioned as "Conditions of Contract for Plant and Design" First Edition 1999" as General Condition of Contract for this proposed project. kindly clarify.	FIDIC Silver Book "Conditions of Contract for EPC/Turnkey Projects" First Edition 1999
116	Time constraints make it challengeable for us to submit our most competitive bid for your project development as the bid submission is due aforementioned, we are hereby humbly requesting you to grant us at least 4 weeks of time extension for our bid submission	NA
117	Request for time extension to submit the bid for the project, considering the size of the project, reasonable documentation are required and most of them have to be received from overseas.	NA
118	Name of the Employer is not indicated in the BDS sheet - Section I - ITT (Sub Clause 1.1)	Mr. Ahmed Mujuthaba, Chief Procurement Executive, National Tender Ministry of Finance Ameenee Magu, Male', 20379 Republic of Maldives Tel: (960) 1617 E-mail: ibrahim.afiah@finance.gov.mv CC: tender@finance.gov.mv
119	Referred GCC Sub Clauses 22.2 and 56.2 is not available - Sub Clause 3.2 of ITT	Please refer to "Conditions of Contract for EPC/Turnkey Projects" First Edition 1999"



120	Could we propose a Joint Venture with a design partner? If yes, What is the evaluation criteria for Joint Venture with design partner (Sub Clause 4.1 of ITT and SECTION III - Evaluation & Qualification criteria	Yes, evaluation criteria given in the bidding document will be applicable to both Design partner and Works contractor
121	Adjudicator's name and hourly fee is not defined in the BDS - Sub Clause 42.1 ITT	It will be decided on when/if needed basis. Please refer to BDS 14.1
122	Is it required to submit preliminary design drawings/criteria with the tender?	NA
123	Whether the designs submitted by tenderers will be considered for evaluation purpose? If yes, What is the criteria used to evaluate the design? Sub Clause 34 ITT, Section III - Evaluation & Qualification criteria	Not considered
124	Is it required to submit key Equipment necessary for construction? As per Sub Clause 2.5 it is Not Applicable - Sub Clause 2.5 of Section III - Evaluation & Qualification criteria Forms for Equipment	It is not required.
125	Though a reference is given to the criteria 3.2.2 under pending litigation it is not there in the Evaluation and Qualification criteria - Form LIT	Refer to the REVISED Evaluation Criteria
126	Under the FIDIC Conditions of Contract for EPC/Turnkey Project (1999)ed, there is no role for Engineer. Item 4 of Part 2 - Employer's Requirement	Engineer is equivalent to the Employer's Representative
127	Exact Form of Contract is confusing. Two different Conditions of Contract has been referred. Page 68 - Section VII and Page 69 - Section VIII	FIDIC Silver Book "Conditions of Contract for EPC/Turnkey Projects" First Edition 1999
128	Please clarify the relation among non potable water, potable water and water for flushing. Please clarify the type of water supplied by the Utility provider. - Non potable water. Potable water and water for flushing.	see queries 66. Utility provider will be providing potable water. Any other source such as ground water and rain water harvesting is termed as non-potable.
129	Please clarify the location of city water inlet, pressure value, and storage facilities required or not, such as sump, water tank and booster pump as "one duty one standby" or "one duty two standby". - Non potable water. Potable water and water for flushing.	for non potable water one duty and one standby shall be provided. Contractor should get final approval from MWSC. And should follow MWSA high rise water supply guidelines.
130	Please clarify the supply of potable water, by city water pipelines or separate treatment equipment for potable water. - Non potable water. Potable water and water for flushing.	see queries 66.
131	Please clarify the materials of potable water pipelines, is PPR acceptable? - Non potable water. Potable water and water for flushing.	PP-R for potable and hot water. PE may be used for non-potable water.
132	Please clarify the consideration of recycling system of water for flushing (harvesting pipelines, storage facilities, treatment equipment, booster pump and recycling pipes) - Non potable water. Potable water and water for flushing	Non-potable is for WC flushing. Rainwater harvesting with underground tanks is the preferred option. All others to be from water mains supplied by municipal water supply network.
133	Please clarify the location and function of overhead tank. - Non potable water. Potable water and water for flushing. Fire Protection	under ground tank is preferred
134	Has the Sewage water Waste water Rainwater diversion been considered in drainage pipes? - Drainage water system	a two pipe system is to be used for sewerage and drainage (separate soil and foul water from toilets). Storm water shall be separate from sewer drainage system.
135	Is there consideration for outdoor Sewage water and Waste water treatment system or not? Please clarify the connection point to municipal pipelines. - Drainage water system	No treatment is required. Building sewerage system to be connected to city mains.
136	Is there shower in Ablution room, hot water supply or not? If hot water, please clarify the consideration of heating equipment. - Sanitary Appliances	no hot water required
137	Fire Sprinkler system considered or not? - Fire Protection	By regulation sprinkler system is not required. However submit the detail concepts of the fire fighting and safety plans to MNDF for changes and approval before commencing the works.
138	Please clarify the dimensions and location of fire sump, fire pumps as "one duty, one standby" or "one duty, two standby". - Fire Protection	one duty and one standby with back up power system should be provided unless MNDF states otherwise.
139	Outdoor fire hydrant or not, please clarify. - Fire Protection	Outdoor fire hydrant not required as part of the development. Outdoor fire hydrants and fire fighting systems outside the plot boundary falls under municipal services.
140	Please clarify the lamp model and applied area of electrical lighting system, for example: For lighting lamps in the area of staircase, building service and toilet etc, are there any other requirements like lamp model besides the luminance values? - Electrical lighting system	No specific model, however it shall be as per the employer's requirements
141	Shell and core schedule for Lift machine room? - Electrical lighting system	All the lift machine rooms shall be air-conditioned and the lift machine room door shall be air tight and should be lockable from outside
142	Outdoor lighting required or not? If so, please clarify the requirements. - Electrical lighting system	Required
143	Generators installed in the Electrical substation or not? - Electrical power system	yes
144	Please clarify the model selection for transformers and generators if any. - Electrical power system	No specific model, however it shall be as per the Maldives Energy Authority's regulations.
145	Nine Lifts have been indicated in the "Lighting layout First floor plan" and power distribution schematic drawings. But other drawings only indicate eight. Please clarify the quantity and location of passenger lift, fire lift and cargo lift. - Lift	Should consider the layouts given with 8 lifts. Lift numbers 1-7 are passenger lifts and Lift number 8 is cargo lift. Lift number 6 and 7 considered as fire lifts
146	Dimmable Lighting: All the lighting fixture used should be dimmable and have a flicker free operation with the lighting control system. Please clarify how to achieve? Is it by reducing voltage, which will harm the luminescent device and use life. Please clarify insist to do so or not. - ELV system	Only On OFF. Lights
147	What is the brand for Fire Detection and Alarm System that can be integrated with PA system, Lightning Control System and HVAC system? Please provide preferable brands. - ELV system	Brand shall be approved and listed by UL and need to be approved by MNDF.

