



Ministry of Finance  
Ameenee Magu, Male', Republic of Maldives

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އިމްޕްލިމެންޓޭޝަން ޕްރޮގްރާމް

### CLARIFICATION 1

ފަސަޔާތު ޖަވާބު 1

ނަންބަރު No:	TES/2022/G-009	
ޕްރޮޖެކްޓް ނަންބަރު Project:	Procurement of Design, Supply and Installation of Grid-tied Solar PV-Diesel Hybrid Power Generation Plants in 30 inhabited islands of Kaafu, Alifu-Alifu, Alifu Dhaalu and Vaavu Atolls in Maldives	
ޖެނަރޭޓްޑެއިޔުޓް Issued Date	26 <sup>th</sup> April 2022	
ސަފުޙާ ޖަދުވަލު No. of Pages: -20	ބޯޖު Boq: -00	ޖަހާފައިވާ ޖަހާފަންނު Drawings: -00

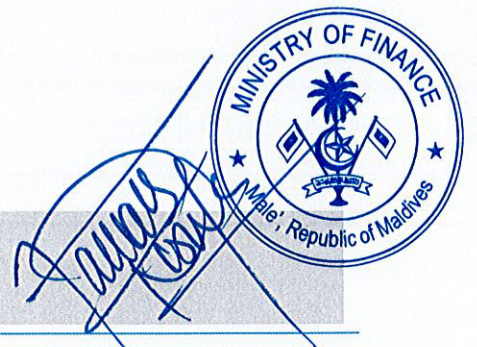
Please include this clarification when submitting the bid

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- Please find attached, answers to the queries received.

ނަންމު  
Name: Fathimath Rishfa Ahmed

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Signature:



## CLARIFICATION 2

#	Document Name	Document Reference	Query	Response
1			According to the contract notice issued by EIB at Tenders Electronic Daily (TED), the Estimated total value is 10,000,000.00 USD. Could you please confirm if this is the budget for the whole project or just part of the funding?	This information will not be disclosed
2			Regarding Schedule 1, the column Quantity for items 4, 7, 8, 14, 15 and 20 indicates a minimum quantity. Should we replace this minimum quantity with the quantities defined in our proposal?	Yes
3			Regarding Schedule 1, 19. Spare parts for battery storage system, the column Quantity indicates "According to supplier". Should we replace this text with the quantities defined in our proposal?	Yes
4			Regarding Schedule 4, 19. Training at the site, the column Quantity indicates "1 per site". Should we indicate the unit price for 1 site or for 30 sites?	Rate for 1 island and in total column cost for 30 islands
5			Some items of Schedule 1 indicate that the quantity has "To be defined by the Bidder". Please confirm if the Bidders can replace the text with the quantities defined in the bidders' proposal.	Yes
6			Please confirm if the Employer will provide Customs duty exemption letter and required authorizations.	Yes
7			Please confirm if the imported goods are exempted from custom duties and taxes, including the GST.	All imported goods are exempted from custom duties. GST applies only for goods and services purchased locally and works done in the country.
8			Regarding logistics, we should undertake the DAP transportation of the Goods at the respective sites. Please confirm if the following services would be carried out by the Employer: a. Licenses, official authorizations necessary for import. b. Duties, taxes or other fiscal levies payable in	a. All goods imported for the purpose of the project will be consigned to the employer, and will be imported under its import licence. B. Only customs duty will be exempted, all other local taxes will have to borne by the contractor. c. Customs clearance and delivery upto the sites will have to be borne by the contractor.



			the recipient country. c. Customs formalities and any other procedure necessary for import in the recipient country.	
9			Considering that the required incoterm is DAP, please indicate who would be the consignee for the importation of goods.	Ministry of Environment, Climate Change and Technology
10			Please confirm if the prices could be quoted either in the currency of the Bidder's home country, or in any fully convertible currency of up to three foreign currencies.	USD or MVR only
11			Section 3.15 Training Program of Employer's Requirements establishes that the Bidder is required to provide training at the manufacturer's site. Please clarify if the manufacturer's site means the contractor's facilities. If not, please indicate for which components are required visits to the manufacturer's sites.	Manufacturers site refer to Manufacturers facility.
12			Section 3.15 Training Program of Employer's Requirements establishes that the training shall take one week on the "12 construction sites" for each team separate. Please confirm that this is a typo.	It's a typo. Correct figure is 30
13			Schedule 1 indicates that the overseas training program is required for 33 participants, while section 3.15 Training Program of Employer's Requirements establishes 31 persons. Please clarify.	33 persons
14			14. Please confirm the correct value per contract in Form EXP – 1: Contracts of Similar Size and Nature.	9.6MUSD per project.
15			15. According to ITB 10 supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages into the English language. Please confirm if this translation can be made by an independent party.	Yes. Must be notarized



16			Related to the meteorological station type indicated in section 6, table 2.6 Summary of the auxiliary system of the hybrid systems and Grid upgradation works. Could you please indicate which is the meteorological station type in H12- Maafushi (Kaafu Atoll)?	Type 2
17			Section 6, point 2.26.3 indicates that there are only two areas available, one of them being a floating surface in I03 Kunburudhoo Island. Could you please indicate if there is any other additional area that could be used for a ground -mounted or roof-top facility?	No.
18			The file LVDB SLD ALIF ALIF U08 -Maalhos is not found in the attachments. Could you please attach this file?	Yes
19			In section 6, point 3.1, it is indicated that the Bidder shall also provide sizing calculations. Could you please confirm if it is the systems design or the wiring calculations?	This refers to the wiring calculations
20			In section 6, point 3.2.2, it is indicated the following: The nominal cumulative DC power (STC conditions) of the PV systems shall amount at least to 2.49 + 0.985 MWp (+2.5%/-0%), distributed on 12 + 4 islands (+/- 10% DC power variation is allowed on the specific islands as long as the total contractual amount is within the above given range). Please confirm if you meant the following: The nominal cumulative DC power (STC conditions) of the PV systems shall amount at least to 5.88 MWp (+2.5%/-0%), distributed on 30 islands (+/- 10% DC power variation is allowed on the specific islands as long as the total contractual amount is within the above given range).	Yes. It was a typo, the correct way is: The nominal cumulative DC power (STC conditions) of the PV systems shall amount at least to 5.88 MWp (+2.5%/-0%), distributed on 30 islands (+/- 10% DC power variation is allowed on the specific islands as long as the total contractual amount is within the above given range).
21			In section 6, point 3.2.5.7, it is indicated the following: The maximum DC/AC ratio of the inverter for the design of the PV system shall be 1.2 or less. Additionally, the Bidder must ensure	Bidder has to ensure that there is no PV Power clipping.



			that there is no clipping of the PV power due to missing inverter capacity. To have zero clipping losses DC/AC ratio has to be 1. The two statements look contradictory. Is the DC/AC ratio to be followed as 1?	
22			Section 6, point 3.2.5.7 indicates that "PV inverter shall have a maximum nominal AC rating of 30 kVA". Due to the market evolution is possible to provide up to 100 kW string inverters with the same characteristics as the smaller ones. This power output allows installing less equipment increasing the reliability of the installation because there is less equipment that could fail. Could you please indicate if inverters with a power output bigger than 30 kVA will be considered?	Upto 50kW can be accepted
23			Could you please provide us with the consumption data for each Island?	This information is not required for the bidding.
24			Could you please clarify the scope of works related to the diesel generators on each island? For each island, there is information about the current status of the diesel generators but the expected works are not included.	Diesel generator details were given to provide information about the existing system. No Diesel gensets are included in the scope. Fuel flow meters and Fuel Day tanks shall be installed as per the BOQ.
25			Could you please provide us with pictures of the powerhouse in order to evaluate the current status and adapt the possible solutions to the real conditions?	Not available / Not required for bidding purpose
26			Could you please provide us with pictures of the proposed locations for PV installations?	Not available
27			Could you please indicate if there is any ground location that must be fenced in case of being used for PV installation?	Fencing not required except for Inverter cages
28			Due to the situation of the proposed building, where some of them are close among them, it is possible that someone could cause shades on other rooftops. Could you please provide us with information about building height?	Data not available (average height is 4.5m to 6m)
29			Regarding the list of codes and standards that PV inverters must comply, UL 1741 appears in this list	European / International are required



			among the rest of the international and European certificates. Currently, it is so difficult to find an inverter that complies with European/ international and American standards at the same time because the American device works with other voltage and frequencies. We understand that this is a mistake and that only European and international standards must comply. Could you please confirm what codes and standards must be followed?	
30			Could you confirm the maximum allowable voltage drop for AC?	5%
31			Could you please provide a .kmz file with the exact location of the proposed building for rooftop installations?	Not required for bidding purpose.
32			Could you please indicate the limits of the free field location proposed for ground-mounted installations?	The will be confirmed during site survey by the winning bidder.
33			<p>H01 Kaashidhoo, Kaafu Atoll.</p> <p>a. Analysing the H01 Kaashidhoo Island information, it is necessary to clarify some points.</p> <p>i. There are some buildings near the location of the School Roof (4°44'12.92" N, 73°27'48.60" E) indicated in section 6, point 2.8 (Table 2.11). Could you please confirm the exact location of the building for the School Roof facility in H01 Kaashidhoo Island?</p> <p>ii. Due to grid upgradation works, it is necessary to know the location of the Powerhouse on this island. However, this information is not in the bid documents. So could you please confirm the powerhouse location in H01 Kaashidhoo Island?</p>	<p>a. i) All Roofs in Powerhouse can be utilised.  4°57'30.85" N 73°27'48.63" E  4°57'32.12" N 73°27'48.36" E  4°57'31.84" N 73°27'47.41" E  4°57'32.72" N 73°27'47.42" E</p> <p>ii) a. i) Refer to Table 2-10: H01, Section 6, page 6-37</p>
34			<p>34. H02 Gaafaru, Kaafu Atoll</p> <p>Analysing the H02 Gaafaru Island information, it is necessary to clarify the following.</p> <p>There are some buildings near the location of the School Roof (4°44'12.92" N, 73°30'02.59" E )</p>	All the roofs in School Premises are available, during the detailed design and Site Survey, the winning bidder can choose the best available roofs.



			indicated in section 6, point 2.9 (Table 2.18). Could you please confirm the exact location of the building for the School Roof facility in H02 Gaafaru Island?	
35			<p>H03 Dhiffushi, Kaafu Atoll</p> <p>a. Analysing the H03 Dhiffushi Island information, it is necessary to clarify some points.</p> <p>i. There are some buildings near the location of the School Roof (4°26'29.71" N, 73°42'47.73" E ) indicated in section 6, point 2.10 (Table 2.25). Could you please confirm the exact location of the building for the School Roof facility in H03 Dhiffushi Island?</p> <p>ii. Related to the field locations available for ground-mounted facilities, it indicates the area (m<sup>2</sup>) of these locations in section 6, point 2.10.3 (table 2.27). However, the dimensions of the locations let to get accurate designs. So could you please confirm the dimensions of the following areas in H03 Dhiffushi Island?</p> <ul style="list-style-type: none"> <li>- Area 2: 143 m<sup>2</sup></li> <li>- Area 3: 353 m<sup>2</sup></li> <li>- Area 4: 260 m<sup>2</sup></li> </ul>	<p>a. i) Both Roofs in School Premises will be used.</p> <p>ii) The exact orientation and measurements will be decided during site survey and detailed design stage.</p>
36			<p>H04 Thulusdhoo, Kaafu Atoll</p> <p>a. Analysing the H04 Thulusdhoo Island information, it is necessary to clarify some points.</p> <p>i. Due to grid upgradation works, it is necessary to know the location of the Powerhouse on this island. However, this information is not in the bid documents. So could you please confirm the powerhouse facility in H04 Thulusdhoo Island?</p> <p>ii. Related to the field locations available for ground-mounted facilities, it indicates the area (m<sup>2</sup>) of these locations in section 6, point 2.11.3 (table 2.34). However, the dimensions of the locations let</p>	<p>a. i) Refer to Table 2-31: H04, Section 6, page 6-51</p> <p>ii) The exact orientation and measurements will be decided during site survey and detailed design stage.</p>



			<p>to get accurate designs. So could you please confirm the dimensions of the following areas in H04 Thulusdhoo Island?</p> <ul style="list-style-type: none"> <li>- Harbour Road GM: 1783 m<sup>2</sup></li> <li>- School Road GM: 423 m<sup>2</sup></li> <li>- Preschool Road GM: 145 m<sup>2</sup></li> <li>- Preschool GM: 244m<sup>2</sup></li> </ul>	
37			<p>H06 Himmafushi, Kaafu Atoll</p> <p>a. Analysing the H06 Himmafushi Island information, it is necessary to clarify some points.</p> <p>i. There are some buildings near the location of the School (4°18'33.57" N, 73°34'19.36" E ) and of the Sewerage Office + Plant (4°18'19.56" N, 73°34'08.96" E) indicated in section 6, point 2.12 (Table 2.39). Could you please confirm the exact location of the building for the School Roof and Sewerage Office + Plant facilities in H06 Himmafushi Island?</p> <p>ii. There is not a building in the location of the Powerhouse roof (4°18'24.25" N, 73°34'11.76" E )indicated in section 6, point 2.12 (Table 2.39). Could you please confirm the exact location of the building for the Powerhouse Roof facility in H06 Himmafushi Island?</p> <p>b. Related to the connection cables in H06 Himmafushi Island, there is a section from Distribution Box No. B-5 to Police Station PV in section 6, point 2.12.4.3 (table 2.44). However, this section is not included in the drawing Grid Modification Diagram for H06 Himmafushi for PV Integration (H06-J431-HIMMAFUSHI-GR file) and there is not a Police Station PV in the bidding documents. So, could you please confirm if there is a Police Station PV facility in H06 Himmafushi Island or if this is a mistake?</p> <p>c. Related to grid upgradation works in H06 Himmafushi Island, the value of DB to replace/add</p>	<p>a. i) All the buildings in the school compound are available for PV installation. The sewerage Plant Roof and Office Roof are the only roofs in that premises. 4°18'19.37" N 73°34'09.55" E 4°18'19.31" N 73°34'08.31" E</p> <p>ii) Powerhouse Roof location 4°18'28.44" N 73°34'12.17" E</p> <p>b. Police Station PV or connection is not included in the scope. Its a mistake.</p> <p>c. Yes 3 DBs shall be replaced and 1 DB shall be modified. As this DB belongs to the facility additional circuit breakers may not be available.</p>





			is 3 according to table 2.6 (section 6, point 2.7). However, in the drawing attach (H06-J431-HIMMAFUSHI-GR file) and table 2.45 (section 6, point 2.12.4.3) there are 3 DB to replace and another one to modify. Could you please confirm which is the correct value?	
38			H11 Gulhi, Kaafu Atoll Analysing the H11 Gulhi Island information, it is necessary to clarify the following. Due to grid upgradation works, it is necessary to know the location of the Powerhouse on this island. However, this information is not in the bid documents. So could you please confirm the powerhouse location in H11 Gulhi Island?	a. i) Refer to Table 2-46: H11, Section 6, page 6-61
39			H12 Maafushi, Kaafu Atoll a. Analysing the H12 Maafushi Island information, it is necessary to clarify some points.  i. There is not a building in the location of the Powerhouse (03°56'27" N, 73°29'26" E) indicated in section 6, point 2.14 (Table 2.54). Could you please confirm the exact location of the building for the Powerhouse facility in H12 Maafushi Island?  ii. Could you please indicate if the SP11 facility is a roof-top facility or a ground-mounted facility?  iii. There are no areas (m <sup>2</sup> ) and locations for the available roofs indicated in section 6, point 2.14 (Table 2.54 and Table 2.56). Could you please indicate this information?	i) The given coordinates is pointed to Powerhouse Compound. The powerhouse building coordinates are 3°56'27.93" N 73°29'26.22" E. ii) SP11 is ground mount installation. iii) Powerhouse Roof 3°56'27.91" N 73°29'26.21" E Powerhouse Office Roof 3°56'26.22" N 73°29'25.94" E Council Office 3°56'28.30" N 73°29'24.29" E Health Centre 3°56'29.17" N 73°29'24.94" E School 3°56'32.91" N 73°29'24.56" E SP01 3°56'21.91" N 73°29'25.20" E SP02 3°56'22.09" N 73°29'26.16" E SP03 3°56'21.88" N 73°29'26.57" E SP04 3°56'21.21" N 73°29'27.30" E SP05 3°56'26.96" N 73°29'28.28" E SP06 3°56'28.43" N 73°29'29.09" E SP07 3°56'29.88" N 73°29'30.03" E SP08 3°56'30.99" N 73°29'30.65" E SP09 3°56'32.73" N 73°29'31.79" E SP10 3°56'34.80" N 73°29'32.94" E SP11 3°56'40.89" N 73°29'37.01" E SP12 3°56'36.67" N 73°29'22.32" E SP13 3°56'35.39" N 73°29'22.98" E SP14 3°56'34.85" N 73°29'23.05" E SP15 3°56'30.94" N 73°29'20.62" E



				SP17 3°56'21.67" N 73°29'22.35" E SP19 3°56'23.81" N 73°29'24.96" E
40			<p>H13 Guraidhoo, Kaafu Atoll</p> <p>a. Analysing the H13 Guraidhoo Island information, it is necessary to clarify some points.</p> <p>i. Due to grid upgradation works, it is necessary to know the location of the Powerhouse on this island. However, this information is not in the bid documents. So could you please confirm the powerhouse facility in H13 Guraidhoo Island?</p> <p>ii. There are some buildings near the location of the School (3°54'04.05" N, 73°28'04.06" E) indicated in section 6, point 2.15 (Table 2.61). Could you please confirm the exact location of the building for the School facility in H13 Guraidhoo Island?</p> <p>iii. Related to the field location available for ground-mounted facility, it indicates the area (m<sup>2</sup>) of the location in section 6, point 2.15.3 (table 2.63). However, the dimensions of the location let to get accurate designs. So could you please confirm the dimensions of the Area In front of Futsal (651 m<sup>2</sup>) in H13 Guraidhoo Island?</p>	<p>a. i) Refer to Table 2-60: H13, Section 6, page 6-71</p> <p>ii) 3°54'03.96" N 73°28'03.71" E 3°54'03.71" N 73°28'04.82" E</p> <p>iii) The exact orientation and measurements will be decided during site survey and detailed design stage.</p>
41			<p>U01 Thoddoo, Alifu Alifu Atoll</p> <p>a. Analysing the U01 Thoddoo Island information, it is necessary to clarify some points.</p> <p>i. There is not a building in the location of the Powerhouse roof (4°26'27.80" N, 72°57'47.54" E) indicated in section 6, point 2.16 (Table 2.68). Could you please confirm the exact location of the building for the Powerhouse Roof facility in U01 Thoddoo Island?</p> <p>ii. There are some buildings near the location of the School (4°26'16.49" N, 72°57'39.18" E) indicated in section 6, point 2.16 (Table 2.68).</p>	<p>a. i) Powerhouse building is almost completed. Google earth Map is not yet updated. The location is correct.</p> <p>ii) All roofs in the school premises are available for PV installation.</p> <p>iii) The exact orientation and measurements will be decided during site survey and detailed design stage.</p>



			<p>Could you please confirm the exact location of the building for the School facility in U01 Thoddoo Island?</p> <p>iii. Related to the field location available for ground-mounted facility, it indicates the area (m<sup>2</sup>) of the location in section 6, point 2.16.3 (table 2.70). However, the dimensions of the location let to get accurate designs. So could you please confirm the dimensions of the Harbour Area GM (322 m<sup>2</sup>) in U01 Thoddoo Island?</p>	
42			<p>U02 Rasdhoo, Alifu Alifu Atoll</p> <p>a. Analysing the U02 Rasdhoo Island information, it is necessary to clarify some points.</p> <p>i. There are some buildings near the location of the School (4°15'55.33" N, 72°59'30.93" E) indicated in section 6, point 2.17 (Table 2.75). Could you please confirm the exact location of the building for the School facility in U02 Rasdhoo Island?</p> <p>ii. Due to grid upgradation works, it is necessary to know the location of the Powerhouse on this island. However, this information is not in the bid documents. So could you please confirm the powerhouse location in U02 Rasdhoo Island?</p> <p>b. Related to the cable section's quantity, in the Grid Cable Summary attachment, the quantity of 120 mm<sup>2</sup> section cables is 114 m for U02 Rasdhoo Island. However, the quantity in this section in the bid document (section 6, point 2.17.4.3, table 2.79) and in the drawing attachment (U02-J431-RASDHOO-GR file) is 144 m. So, could you please confirm which is the correct quantity of the 120 mm<sup>2</sup> section cables?</p>	<p>a. i) All three roofs in the school will be used.</p> <p>ii) Refer to Table 2-74: U02, Section 6, page 6-81</p> <p>b. The correct quantity is 144m</p>
43			<p>U04 Ukulhas, Alifu Alifu Atoll</p> <p>Analysing the U04 Ukulhas Island information, it is necessary to clarify the following.</p>	<p>All roofs in the school premises</p>



			There are some buildings near the location of the School (4°13'02.80" N, 72°51'42.93" E) indicated in section 6, point 2.18 (Table 2.82). Could you please confirm the exact location of the building for the School facility in U04 Ukulhas Island?	
44			U05 Mathiveri, Alifu Alifu Atoll Analysing the U05 Mathiveri Island information, it is necessary to clarify the following. There are some buildings near the location of the School (4°11'30.67" N, 72°44'51.26" E) indicated in section 6, point 2.19 (Table 2.89). Could you please confirm the exact location of the building for the School facility in U05 Mathiveri Island?	4°11'31.17" N 72°44'52.00" E 4°11'29.59" N 72°44'51.41" E
45			U06 Bodufulhadhoo, Alifu Alifu Atoll Analysing the U06 Bodufulhadhoo Island information, it is necessary to clarify the following. There are some buildings near the location of the School (4°11'05.89" N, 72°46'23.18" E) indicated in section 6, point 2.20 (Table 2.96). Could you please confirm the exact location of the building for the School facility in U06 Bodufulhadhoo Island?	All three roofs in school premises will be used.
46			U07 Feridhoo, Alifu Alifu Atoll Analysing the U07 Feridhoo Island information, it is necessary to clarify the following. Related to the field location available for ground-mounted facility, it indicates the area (m <sup>2</sup> ) of the location in section 6, point 2.21.3 (table 2.105). However, the dimensions of the location let to get accurate designs. So could you please confirm the dimensions of the Powerhouse Ground (400 m <sup>2</sup> ) in U07 Feridhoo Island?	The exact orientation and measurements will be decided during site survey and detailed design stage.
47			U08 Maalhos, Alifu Alifu Atoll Analysing the U08 Maalhos Island information, it is necessary to clarify the following. There are some buildings near the location of the	3°59'14.82" N 72°43'15.92" E 3°59'14.14" N 72°43'16.40" E



			School (3°59'14.43" N, 72°43'16.72" E ) indicated in section 6, point 2.22 (Table 2.110). Could you please confirm the exact location of the building for the School facility in U08 Maalho Island?	
48			<p>U09 Himendhoo, Alifu Aliifu Atoll</p> <p>a. Analysing the U09 Himendhoo Island information, it is necessary to clarify some points.</p> <p>i. Due to grid upgradation works, it is necessary to know the location of the Powerhouse on this island. However, this information is not in the bid documents. So could you please confirm the powerhouse facility in U09 Himendhoo Island?</p> <p>ii. There are some buildings near the location of the School (3°55'11.50" N, 72°44'41.82" E) indicated in section 6, point 2.23 (Table 2.117). Could you please confirm the exact location of the building for the School facility in U09 Himendhoo Island?</p>	<p>a. i) Refer to Table 2-109: U08, Section 6, page 6-102</p> <p>ii) All the roofs in school premises are available for PV installation.</p>
49			<p>I01 Hangnaameedhoo, Alifu Dhaalu Atoll</p> <p>a. Analysing the I01 Hangnaameedhoo Island information, it is necessary to clarify some points.</p> <p>i. Due to grid upgradation works, it is necessary to know the location of the Powerhouse on this island. However, this information is not in the bid documents. So could you please confirm the powerhouse facility in I01 Hangnaameedhoo Island?</p> <p>ii. There are some buildings near the location of the School (3°50'55.72" N, 72°57'19.02" E ) indicated in section 6, point 2.24 (Table 2.124). Could you please confirm the exact location of the building for the School facility on I01 Hangnaameedhoo Island?</p>	<p>a. i) Refer to Table 2-123: I01, Section 6, page 6-110</p> <p>ii) All 4 buildings in school premises will be used.</p>



50			<p>I02 Omadhoo, Alifu Dhaalu Atoll</p> <p>a. Analysing the I02 Omadhoo Island information, it is necessary to clarify some points.</p> <p>i. Due to grid upgradation works, it is necessary to know the location of the Powerhouse on this island. However, this information is not in the bid documents. So could you please confirm the powerhouse facility in I02 Omadhoo Island?</p> <p>ii. Related to the field location available for ground-mounted facility, it indicates the area (m<sup>2</sup>) of the location in section 6, point 2.25.3 (table 2.133). However, the dimensions of the location let to get accurate designs. So could you please confirm the dimensions of Area 1 (780 m<sup>2</sup>) in I02 Omadhoo Island?</p>	<p>a. i) Refer to Table 2-130: I02, Section 6, page 6-114</p> <p>ii) The exact orientation and measurements will be decided during site survey and detailed design stage.</p>
51			<p>I03 Kunburudhoo, Alifu Dhaalu Atoll</p> <p>a. Analysing the I03 Kunburudhoo Island information, it is necessary to clarify some points.</p> <p>i. Due to grid upgradation works, it is necessary to know the location of the Powerhouse on this island. However, this information is not in the bid documents. So could you please confirm the powerhouse facility in I03 Kunburudhoo Island?</p> <p>ii. There are some buildings near the location of the School (3°46'32.44" N, 72°55'27.34" E) indicated in section 6, point 2.26 (Table 2.138). Could you please confirm the exact location of the building for the School facility in I03 Kunburudhoo Island?</p>	<p>a. i) Refer to Table 2-137: I03, Section 6, page 6-118</p> <p>ii) All three buildings in the school premises will be used.</p>
52			<p>I04 Mahibadhoo, Alifu Dhaalu Atoll</p> <p>a. Analysing the I04 Mahibadhoo Island information, it is necessary to clarify some points.</p> <p>i. Due to grid upgradation works, it is necessary to know the location of the Powerhouse on this</p>	<p>a. i) Refer to Table 2-144: I04, Section 6, page 6-122</p> <p>ii) 3°45'23.97" N 72°58'04.32" E</p>

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			<p>island. However, this information is not in the bid documents. So could you please confirm the powerhouse facility in I04 Mahibadhoo Island?</p> <p>ii. There is not a building in the location of the Atoll Council Old (3°45'23.69" N, 72°58'04.15" E) indicated in section 6, point 2.27 (Table 2.145). Could you please confirm the exact location of the building for the Powerhouse facility on I04 Mahibadhoo Island?</p>	
53			<p>I05 Mandhoo, Alifu Dhaalu Atoll</p> <p>a. Analysing the I05 Mandhoo Island information, it is necessary to clarify the following.</p> <p>i. There are some buildings near the location of the School (3°41'54.59" N, 72°42'38.16" E ) indicated in section 6, point 2.28 (Table 2.152). Could you please confirm the exact location of the building for the School facility on I05 Mandhoo Island?</p> <p>b. Related to the cable section's quantity, in Grid Cable Summary attachment, the quantity of 150 mm<sup>2</sup> section cables is 137m for I05 Mandhoo Island. However, in the bid document (section 6, point 2.28.4.3, table 2.156) and in the drawing attachment (I05-J431-MANDHOO-GR file) there is no 150 mm<sup>2</sup> cable section. So, could you please clarify this point?</p>	<p>a. i) All three roofs in the school will be used. 3°41'55.31" N 72°42'37.82" E 3°41'55.04" N 72°42'38.46" E 3°41'54.12" N 72°42'38.07" E</p> <p>b. Instead of 137m it should be 0. There is no 150mm<sup>2</sup> cable for this island.</p>
54			<p>I06 Dhangethi, Alifu Dhaalu Atoll</p> <p>Analysing the I06 Dhangethi Island information, it is necessary to clarify the following.</p> <p>There are some buildings near the location of the School (3°36'28.86" N, 72°57'16.97" E ) indicated in section 6, point 2.29 (Table 2.159). Could you please confirm the exact location of the building for the School facility in I06 Dhangethi Island?"</p>	<p>3°36'28.98" N 72°57'16.47" E 3°36'28.49" N 72°57'17.55" E 3°36'29.44" N 72°57'17.35" E</p> <p>Please note that during detailed design stage some of the roofs within the premises might change based on the situation.</p>
55			<p>I07 Dhigurah, Alifu Dhaalu Atoll</p> <p>a. Analysing the I07 Dhigurah Island information,</p>	<p>a. i) Refer to Table 2-165: I07, Section 6, page 6-136</p>

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		<p>it is necessary to clarify some points.</p> <p>i. Due to grid upgradation works, it is necessary to know the location of the Powerhouse on this island. However, this information is not in the bid documents. So could you please confirm the powerhouse facility in I07 Dhigurah Island?</p> <p>ii. There are some buildings near the location of the School (3°32'06.45"" N 72°55'41.52"" E) indicated in section 6, point 2.30 (Table 2.166). Could you please confirm the exact location of the building for the School facility on I07 Dhigurah Island?</p> <p>b. Related to the connection cables in I07 Dhigurah Island, in the bid document (section 6, point 2.30.4.3, table 2.170) there is a section from Distribution Box REDB to School-PV (4C x240mm<sup>2</sup>, 5m). However, in I07-J431-DHIGURAH-GR file attachment, there is no indication of the section and length of this cable. So, could you please confirm if this section cable is included in the scope? In the affirmative case, the quantity of the 240 mm<sup>2</sup> cable section in Grid Cable Summary attached will be 195 m.</p>	<p>a. ii) All 4 buildings in the school premises will be used.</p> <p>B. Yes it has to be included and total shall be 195m.</p>
56		<p>I08 Fenfushi, Alifu Dhaalu Atoll</p> <p>a. Analysing the I08 Fenfushi Island information, it is necessary to clarify some points.</p> <p>i. There are some buildings near the location of the School (3°29'25.72"" N, 72°47'05.12"" E ) indicated in section 6, point 2.31 (Table 2.173). Could you please confirm the exact location of the building for the School facility in I08 Fenfushi Island?</p> <p>ii. There is not a building in the location of the Council (3°29'24.45"" N, 72°47'08.68"" E) indicated in section 6, point 2.31 (Table 2.173).</p>	<p>a. i. 3°29'26.35" N 72°47'04.81" E 3°29'25.86" N 72°47'05.87" E 3°29'25.00" N 72°47'05.93" E</p> <p>a. ii. 3°29'24.20" N 72°47'09.29" E</p> <p>b. Both the Table 2.173 and Drawings are correct. 2DBs to be replaced.</p>

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			<p>Could you please confirm the exact location of the building for the Council facility in I08 Fenfushi Island?</p> <p>b. Related to grid upgradation works in I08 Fenfushi Island, the value of DB to replace/add is 3 according to table 2.8 (section 6, point 2.7). However, in the drawing attach (I08-J431-FENFUSHI-GR file) and table 2.45 (section 6, point 2.31.4.3) there are 2 DB to replace. Could you please confirm which is the correct value?</p>	
57			<p>I09 Dhidhdhoo, Alifu Dhaalu Atoll</p> <p>Analysing the I09 Dhidhdhoo Island information, it is necessary to clarify the following.</p> <p>Related to the field locations available for ground-mounted facilities, it indicates the area (m<sup>2</sup>) of these locations in section 6, point 2.32.3 (table 2.182). However, the dimensions of the locations let to get accurate designs. So could you please confirm the dimensions of the following areas in I09 Dhidhdhoo Island?</p> <ul style="list-style-type: none"> <li>• Harbour GM: 720 m<sup>2</sup></li> <li>• Powerhouse GM: 320 m<sup>2</sup></li> </ul>	<p>The exact orientation and measurements will be decided during site survey and detailed design stage.</p>
58			<p>J01 Fulidhoo, Vaavu Atoll</p> <p>Analysing the J01 Fulidhoo Island information, it is necessary to clarify the following.</p> <p>Due to grid upgradation works, it is necessary to know the location of the Powerhouse on this island. However, this information is not in the bid documents. So could you please confirm the powerhouse location in J01 Fulidhoo Island?</p>	<p>a. Refer to Table 2-186: J01, Section 6, page 6-148</p>
59			<p>J02 Thinadhoo, Vaavu Atoll</p> <p>a. Analysing the J02 Thinadhoo Island information, it is necessary to clarify the following. Due to grid upgradation works, it is necessary to know the location of the Powerhouse on this island. However, this information is not in the bid documents. So could you please confirm the powerhouse location in J02 Thinadhoo Island?</p> <p>b. Related to grid upgradation works in J02</p>	<p>a. Refer to Table 2-193: J02, Section 6, page 6-152</p> <p>b. J02-J431-THINADHOO-GR is correct. Total new 3 DBs to be replaced.</p> <p>c. A-1, A-2, A-3 are existing DBs and replacing these boxes or replacing the cables connected these boxes are not included in the scope.</p>



			<p>Thinadhoo, there are 6 DB to replace according to bid documents (section 6, point 2.7, table 2.9 and section 6, point 2.34.4.3, table 2.199). However, there are 3 DB to replace in the drawing J02-J431-THINADHOO-GR. So, could you confirm if there is a mistake in the drawing J02-J431-THINADHOO-GR?</p> <p>c. Related to the connection cables in J02 Thinadhoo Island, in the J02-J431-THINADHOO-GR file and in Grid Cable Summary attached, the followings sections are existing connections.</p> <p style="padding-left: 40px;">i. From Main LVDB (PH-FEEDER-A) to Distribution Box A-1</p> <p style="padding-left: 40px;">ii. From Distribution Box A-1 to Distribution Box A-2</p> <p style="padding-left: 40px;">iii. From Distribution Box A-2 to Distribution Box A-3</p> <p>However, these sections are included in the scope according to the bid documents (section 6, point 2.34.4.3, table 2.198). So, could you please confirm if these section cables are included in the scope?</p>	
60			<p>J03 Felidhoo , Vaavu Atoll</p> <p>a. Analysing the J03 Felidhoo Island information, it is necessary to clarify some points.</p> <p>i. Due to grid upgradation works, it is necessary to know the location of the Powerhouse in this island. However this information is not in the bid documents. So could you please confirm the powerhouse facility in J03 Felidhoo Island?</p> <p>ii. There are some buildings near the location of the School (3°28'14.99" N, 73°32'47.00" E ) indicated in section 6, point 2.35 (Table 2.201). Could you please confirm the exact location of the building for the School facility in J03 Felidhoo Island?</p>	<p>a. i) Refer to Table 2-200: J03, Section 6, page 6-156</p> <p>a. ii) In the school premises there are 3 buildings. The two large roofs shall be enough to install required capacity.</p> <p>b. i) Main LVDB (PH-FEEDER-A) to Distribution Box A-1 cable length is 181m. Drawing J03-J431-FELIDHOO-GR shall be corrected accordingly.</p> <p>b. ii) Correct length is 40m</p>



		<p>b. Related to the connection cables in J03 Felidhoo Island, there are two cable sections that have different lengths in the drawings attachments and in the bid documents.</p> <p>i. From Main LVDB (PH-FEEDER-A) to Distribution Box A-1. In drawing J03-J431-FELIDHOO-GR attach the length for this section is 300 m, however, this length in bid documents (section 6, point 2.35.4.3, table 2.250) is 181 m.</p> <p>ii. From Distribution Box A-3 to Health Centre PV. In drawing J03-J431-FELIDHOO-GR attach the length for this section is 65 m, however, this length in bid documents (section 6, point 2.35.4.3, table 2.250) is 40 m. Could you please confirm which are the correct values for these sections?</p>	
61		<p>J04 Keyodhoo, Vaavu Atoll Analysing the J04 Keyodhoo Island information, it is necessary to clarify the following. Due to grid upgradation works, it is necessary to know the location of the Powerhouse on this island. However, this information is not in the bid documents. So could you please confirm the powerhouse location in J04 Keyodhoo Island?</p>	i) Refer to Table 2-207: J04, Section 6, page 6-160
62		<p>J05 Rakeedhoo, Vaavu Atoll a. Analysing the J05 Rakeedhoo Island information, it is necessary to clarify some points.</p> <p>i. Due to grid upgradation works, it is necessary to know the location of the Powerhouse on this island. However, this information is not in the bid documents. So could you please confirm the powerhouse facility in J05 Rakeedhoo Island?</p> <p>ii. Related to the field location available for ground-mounted facility, it indicates the area (m<sup>2</sup>) of the location in section 6, point 2.37.3 (table</p>	<p>i) Refer to Table 2-214: J05, Section 6, page 6-164 ii) Sufficient information is provided in the tender document for bidding purpose. The exact orientation and measurements will be decided during site survey and detailed design stage.</p>

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			2.217). However, the dimensions of the location let to get accurate designs. So could you please confirm the dimensions of Area 1 (600 m <sup>2</sup> ) in J05 Rakeedhoo Island?	
63			<p>Section 6 - Point 3.15 Training program indicates the following: "The Bidder is required to provide training at manufacturer's site for one person from each powerhouse and two staff from STELCO head office (total 31 persons). In addition local staff should be given training on operation and maintenance during construction. The training shall take one week on the manufacturer's premises plus one week on the 12 construction sites for each team separate."</p> <p>Could you confirm if the number of persons which will be received is 3 persons? Moreover, could you please clarify which will be the 12 construction sites where the training will be carried out?</p>	<p>Overseas Training Total number of persons to be trained is 33 (One from each powerhouse and 2 from STELCO Head office and One from PMU).</p> <p>Local on-site training To be conducted in each project island separately. (Total 30 sites)</p>
64			According to Section 4 - Form Data Sheet PV Module, the maximum DC system voltage is 1,000Vdc. Please confirm that PV Modules which withstand a maximum system voltage of 1500 Vdc are also acceptable.	Yes
65			<p>Could you please confirm if non-armoured cables will be considered for LV distribution cables? Armoured cables are significantly more expensive than non-armoured, and distribution cables could be installed under conduit to protect them.</p>	No. Only Armoured Cables shall be proposed.

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