

بِسْمِ اللّٰهِ الرَّحْمٰنِ الرَّحِیْمِ



مَدِيْنَةُ اَبُو ظَبْيَانَ
ر.م. ج.م.ع.، تَرْفُوعِ اَبُو ظَبْيَانَ

مَدِيْنَةُ اَبُو ظَبْيَانَ: م.م.ع.م. 05-225/2023/W-PC

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3 - ޖަދުވަލު

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ލިޔުންތަކުގެ ނަންބަރު		
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3. ލިޔުންތެރިންގެ ނަންބަރު		



4 ޖަދުވަލު

މުޖިދު ސަރުކާރުގެ ސަރުކާރުގެ ޖަދުވަލު

ސަރުކާރުގެ ސަރުކާރުގެ ސަރުކާރުގެ ޖަދުވަލު				
ނަންބަރު (ހިލަފަތް ޖަދުވަލު)	ނަންބަރު ޖަދުވަލު	ނަންބަރު ޖަދުވަލު	#	
ޖަދުވަލު				
ނަންބަރު ޖަދުވަލު ސަރުކާރުގެ ސަރުކާރުގެ ޖަދުވަލު				
ނަންބަރު ޖަދުވަލު (ހިލަފަތް ޖަދުވަލު)	ނަންބަރު ޖަދުވަލު	ނަންބަރު ޖަދުވަލު	ނަންބަރު ޖަދުވަލު ސަރުކާރުގެ ސަރުކާރުގެ ޖަދުވަލު	#
ޖަދުވަލު				

ފޯމު: ސަރުކާރުގެ ސަރުކާރުގެ ސަރުކާރުގެ ޖަދުވަލު 20 ޖަދުވަލު ޖަދުވަލު ސަރުކާރުގެ ސަރުކާރުގެ ޖަދުވަލު. ސަރުކާރުގެ ސަރުކާރުގެ ސަރުކާރުގެ ޖަދުވަލު 100 ޖަދުވަލު ސަރުކާރުގެ ސަރުކާރުގެ ޖަދުވަލު.

5 ޖަދުވަލު

3 (ދިވެހި) ގައުމީ ސަރުކާރުގެ ސަރުކާރުގެ ސަރުކާރުގެ ސަރުކާރުގެ 2023 ވަނަ އަހަރުގެ ސަރުކާރުގެ ސަރުކާރުގެ

ސަރުކާރުގެ ސަރުކާރުގެ ސަރުކާރުގެ ސަރުކާރުގެ ސަރުކާރުގެ					
ނަންބަރު (kW)	ސަރުކާރުގެ ސަރުކާރުގެ (ދިވެހި ސަރުކާރުގެ)	ސަރުކާރުގެ ސަރުކާރުގެ ސަރުކާރުގެ	ސަރުކާރުގެ ސަރުކާރުގެ ސަރުކާރުގެ	ސަރުކާރުގެ ސަރުކާރުގެ ސަރުކާރުގެ	#
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7 - ޖަދުވަލު

ޔަފްޔާދު

Form of Bid Security (Bank Guarantee)

WHEREAS,[name of Bidder] (hereinafter called “the Bidder”) has submitted his Bid for the Tender no.....issued by the Secretariat of the North Thiladhunmathi Atoll Council onfor Supplying/Purchasing of [name of Contract] (hereinafter called “the Bid”).

KNOW ALL PEOPLE by these presents that We [name of Bank] of [name of country] having our registered office at (hereinafter called “the Bank”) are bound unto[name of Purchaser] (hereinafter called “the Purchaser”) in the sum of *..... for which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors, and assigns by these presents.

SEALED with the Common Seal of the said Bank thisday of20.....

THE CONDITIONS of this obligation are:

- (1) If, after Bid opening, the Bidder withdraws his Bid during the period of Bid validity specified in the Form of Bid;
- OR
- (2) If the Bidder having been notified of the acceptance of his Bid by the Purchaser during the period of Bid validity:
 - (a) fails or refuses to execute the Form of Agreement in accordance with the Instructions to Bidders, if required; or
 - (b) fails or refuses to furnish the Performance Security, in accordance with the Instruction to Bidders; or
 - (c) does not accept the correction of the Bid Price pursuant to Clause 27,

* The Bidder should insert the amount of the Guarantee in words and figures denominated in Maldivian Rufiyaa.

we undertake to pay to the Purchaser up to the above amount upon receipt of his first written demand, without the Purchaser’s having to substantiate his demand, provided that in his demand the Purchaser will note that the amount claimed by him is due to him owing to the occurrence of one or any of the three conditions, specifying the occurred condition or conditions.

This Guarantee will remain in force up to and including the date days after the deadline for submission of bids as such deadline is stated in the Instructions to Bidders or as it may be extended by the Purchaser, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE..... SIGNATURE OF THE BANK

WITNESS SEAL

[signature, name, and address]

8 - ޖަދުވަލު
ފޯމް ޕަރފޯމަންސް ބޭންކް ގާރަންޓީ

Form of Performance Bank Guarantee
(Unconditional)

To:
[name & address of Purchaser]
.....
.....

WHEREAS [name and address of Supplier] (hereinafter called "the Supplier") has undertaken, in pursuance of Contract No. dated to execute [name of Contract and brief description of Works] (hereinafter called "the Contract");

AND WHEREAS it has been stipulated by you in the said Contract that the Supplier shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Supplier such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Supplier, up to a total of *..... [amount of Guarantee] [amount in words], such sum being payable in the types and proportions of currencies in which the Contract Price is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of [amount of Guarantee] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

*An amount is to be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract, in Maldivian Rufiyaa.

We hereby waive the necessity of your demanding the said debt from the Supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Supplier shall in any way release us from any liability under this Guarantee, and we hereby waive notice of any such change, addition, or modification.

This Guarantee shall be valid until the date of issue of the Defects Correction Certificate.

SIGNATURE AND SEAL OF THE GUARANTOR
Name of Bank
Address
.....
Date

Form of Bank Guarantee for Advance Payment

To:
"name & address of Purchaser"
.....
.....

"name of Contract"

Gentlemen:

In accordance with the provisions of the Conditions of Contract, of the above-mentioned Contract, "name and address of Supplier" (hereinafter called "the Supplier") shall deposit with "name of Purchaser" a Bank Guarantee to guarantee his proper and faithful performance under the said Clause of the Contract in an amount of "amount of Guarantee" "amount in words".

We, the "Bank or Financial Institution", as instructed by the Supplier, agree unconditionally and irrevocably to guarantee as primary obligator and not as Surety merely, the payment to "name of Purchaser" on his first demand without whatsoever right of objection on our part and without his first claim to the Supplier, in the amount not exceeding *..... "amount of Guarantee"..... "amount in words".

We further agree that no change or addition to or other modification of the terms of the Contract or of Works to be performed there under or of any of the Contract documents which may be made between "name of Purchaser" and the Supplier, shall in any way release us from any liability under this Guarantee, and we hereby waive notice of any such change, addition, or modification.

* An amount is to be inserted by the Bank or Financial Institution representing the amount of the Advance Payment, in Maldivian Rufiyaa.

This Guarantee shall remain valid and in full effect from the date of the advance payment under the Contract until "name of Purchaser" receives full repayment of the same amount from the Supplier.

Yours truly,

SIGNATURE AND SEAL:

NAME & ADDRESS OF BANK/INSTITUTION

Requirements for major equipment-

1- Photovoltaic (PV) module

- The PV module must qualify the latest edition of any of the following IEC PV module qualification OR equivalent to BS standards.
- The PV module must qualify to IEC 61730-1 photovoltaic (PV) module safety qualification – part.

2- requirements for construction and (IEC 61730-2 1 photovoltaic (PV) module safety qualification – part 2: requirements for Testing)

PV modules to be used in highly corrosive atmosphere throughout their lifetime and must qualify to IEC 61701 (photovoltaic (PV) modules – Salt mist corrosion testing)

- ☞ *The total power shall be obtained by streams of PV modules.*
- ☞ *PV modules shall be either monocrystalline OR polycrystalline.*
- ☞ *PV modules shall be in 1/3-cut cell layout Mono PERC technology.*
- ☞ *PV modules shall be PID resistant.*
- ☞ *PV modules shall be aluminum framed with hard face covers.*
- ☞ *PV module selection shall be made from state of the art of the PV technology with the best relation space/production as possible.*
- ☞ *PV module brand/s should be declared with datasheet and justified.*
- ☞ *Stream voltages should be average voltage to avoid losses on low voltage transfer which increases the length of wiring and not too high to avoid magnetic field production with relevant thunder shot possibility.*
- ☞ *PV modules shall come to site properly tested and in good packaged to avoid any damage.*
- ☞ *PV modules shall be guarantee 20 years power performance with not more than 2% power degradation in first year and 0.55% annual power attenuation.*
- ☞ *PV modules shall be guarantee 10 years against any kind of production defect.*

3- On -Grid Inverter

- ☞ *The contractor shall supply all necessary on-grid inverters for the correct operation of the system and which allow for future expansion of the PV power plant in phases.*
- ☞ *The council expects the contractor to propose robust, reliable and low failure rate proven inverters which can work efficiently for more than 10 years without any major failure in hot and humid environments.*
- ☞ *The contractor shall provide details of the following characteristics for each inverter*

Max input power

- Max output power*
- Efficiency rating*
- Protection features*
- Voltage and power ratings*
- Communication capabilities*
- Operating parameters*
- Controls and displays*



viii. Standards and certifications

- The inverters shall have an efficiency of 97% and above.*
- The inverters shall have an inbuilt DC isolation switch.*
- The inverters shall have surge protection.*
- The inverter must have capability to monitor.*
- The inverters brands must be from one of the brands*

i. ABB

ii. Enphase Energy

iii. Huawei

iv. Fronius International GmbH

v. Gin long Solis

vi. SMA Solar Technology AG


Warranty:


- *Inverter must be 2 years manufacture backed warranty.*

PV modules used must be warranted by the manufacturer for output wattage, which should not be less than 90% within the first 10 years and 80% at the end of 20 years.

Contractor must be responsible for service warranty at least 1 years from the date of PV panel commissioning date.



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