



ދިވެހިރާއްޖޭގެ ފުލުހުކަމުގެ ޖުމްހޫރީ ނާއިރުސާދާއި ގުޅިގެން

SECRETARIAT OF THE MAALHENDHOO COUNCIL, SOUTH
MILADHUNMADULU

Noonu· Maalhendhoo, Rep of Maldives

ފޮޓޯ ނަންބަރު: (P)287/2023/01

ސަލާމަތުގެ ޖަލްސާ

ސ. ޖުމްހޫރީ "ސަލާމަތުގެ ޖަލްސާ" ގެ ސަލާމަތުގެ ޖަލްސާ	ފޮޓޯ ނަންބަރު :
(IUL)287/287/2023/10	ގަވާއިދު ނަންބަރު:
14:00 (ޖަ) ، 15 ޖުލައި 2023	ޖަލްސާ ފަށަލައިގެ ވަގުތު:
01	ގަވާއިދު ނަންބަރު:
13:00 (ޖަ) ، 19 ޖުލައި 2023	ޖަލްސާ ނިންމަލައިގެ ވަގުތު:
https://forms.gle/Tqm8F8XaYcJo3ph98	ޖަލްސާ ފޮޓޯ ނަންބަރު ފުރިހަމަކުރުމަށް ލިޔެ ފޮނުވާ ގޮތުގެ ތަފްސީލު:

رَدِّ سَوَابِغِ

- 3 . 1 . مَوْبَرِ مَعْرَفِي:
- 3 . 2 . مَوْبَرِ دَوَابِّ مَعْرَفِي:
- 4 . 3 . مَوْبَرِ سَوَابِغِ رَسْمِي:
- 4 . 4 . مَوْبَرِ مَوْبَرِ مَعْرَفِي دَوَابِّ مَعْرَفِي:
- 4 . 5 . مَوْبَرِ مَعْرَفِي مَعْرَفِي:
- 5 . 6 . مَوْبَرِ مَعْرَفِي مَعْرَفِي:
- 5 . 7 . مَوْبَرِ مَعْرَفِي مَعْرَفِي:
- 5 . 8 . مَوْبَرِ مَعْرَفِي مَعْرَفِي مَعْرَفِي:
- 5 . 9 . مَوْبَرِ مَعْرَفِي مَعْرَفِي مَعْرَفِي:
- 5 . 10 . مَوْبَرِ مَعْرَفِي مَعْرَفِي مَعْرَفِي:
- 5 . 11 . مَوْبَرِ مَعْرَفِي مَعْرَفِي مَعْرَفِي:
- 5 . 12 . مَوْبَرِ مَعْرَفِي مَعْرَفِي مَعْرَفِي:
- 6 . 13 . مَوْبَرِ مَعْرَفِي مَعْرَفِي مَعْرَفِي:
- 7 . 14 . مَوْبَرِ مَعْرَفِي مَعْرَفِي مَعْرَفِي:
- 7 . 15 . مَوْبَرِ مَعْرَفِي مَعْرَفِي مَعْرَفِي:
- 7 . 16 . مَوْبَرِ مَعْرَفِي مَعْرَفِي مَعْرَفِي:
- 8 . 17 . مَوْبَرِ مَعْرَفِي مَعْرَفِي مَعْرَفِي:
- 8 . 18 . مَوْبَرِ مَعْرَفِي مَعْرَفِي مَعْرَفِي:
- 9 . 19 . مَوْبَرِ مَعْرَفِي مَعْرَفِي مَعْرَفِي:
- 10 . 20 . مَوْبَرِ مَعْرَفِي مَعْرَفِي مَعْرَفِي:
- 10 . 21 . مَوْبَرِ مَعْرَفِي مَعْرَفِي مَعْرَفِي:
- 10 . 1 : مَوْبَرِ مَعْرَفِي مَعْرَفِي مَعْرَفِي:
- 14 . 2 : مَوْبَرِ مَعْرَفِي مَعْرَفِي مَعْرَفِي:
- 15 . 3 : مَوْبَرِ مَعْرَفِي مَعْرَفِي مَعْرَفِي:
- 16 . 4 : مَوْبَرِ مَعْرَفِي مَعْرَفِي مَعْرَفِي:



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.

1- 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.

2- 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
 - i) Max input power
 - ii) Max output power
 - iii) Efficiency rating
 - iv) Protection features
 - v) Voltage and power ratings
 - vi) Communication capabilities
 - vii) Operating parameters
 - viii) Controls and displays
 - ix) 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:

- 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.



نرسونه 4 : د پلان د ځای د سرچینو د لاندې لاندې

