

Notice Inviting Tender (NIT)
For Supply, installation and Commissioning of CCTV Monitoring System and AMC
thereof for three years

HIGH COMMISSION OF INDIA, MALE (MALDIVES)



सत्यमेव जयते

REFERENCE NO. MAL/DA/551/CCTV/35/2024
BID SUBMISSION LAST DATE: 03.04.2024

HIGH COMMISSION OF INDIA
MALE, MALDIVES

TENDER DOCUMENT

For Supply, installation and Commissioning of CCTV Monitoring System and AMC thereof for three years

To High Commission of India, Male (Maldives)

CRITICAL DATE SHEET

1	Date of Issue of Tender	13.03.2024
2	Bid Document Download / Sale Start date	13.03.2024
3	Date of Pre Bid Conference- For clarifying issues and doubts, if any, about specification of items and services projected in Bid document	No
4	Bid submission End Date	03.04.2024 1700 hrs.
5	Date of opening of Technical bid	04.04.2024 1400 hrs.
6	Date of informing qualified bidders for opening of financial bids	11.04.2024
7	Date of opening of financial bids	14.04.2024 10.00 hrs. Bidders may depute their representatives to be present at the time of opening of bids
8	Validity of Bid	180 days

**Government of India
High Commission of India
Male', Maldives
Dated: 13.03.2024**

Scope of Work

For Supply, installation and Commissioning of CCTV Monitoring System and AMC thereof for three years at High Commission of India, at Hulhumale on CIF basis (on door to door basis).

Details:

A. Summary of 33 CCTV cameras with 45 days recording at High Commission of India Building, Hulhumale

Ser	Items	Qty	Technical Specification
1.	2 MP dome camera	15	As per Annexure A of this NIT
2.	4 MP dome camera	07	
3.	4 MP Bullet camera	06	
4.	4 MP PTZ camera	01	
5.	4 MP Fish Eye camera	02	
6.	4 MP LPR cameras	02	
Total Cameras		33	
7.	Server/work station (Recording server and Analytic server) with video management software (VMS)	02	
8.	Cat 6 Fiber Cable roll	04	
9.	42" LED TV	04	
10.	SFP PoE switches 24/16/12 Gigabite port	As per requirement	
11.	Server Equipments for 45 days recording	As per requirement	
12.	Network video decoder (35 Channels resolution)	As per requirement	
13.	All other software/hardware/ equipment/ accessories including work station required for CCTV monitoring system installation.	As per requirement	
14.	AMC	For 3 year after the expiry of warranty	
15.	UPS	01 (As per requirement for 33 CCTV cameras and server)	

Guidelines on Video Management software and CCTV Passive items to be followed strictly are also attached with Annexure A. Bidder may go through all the documents attached before preparing Technical and Financial bids.

Other Terms and Condition:

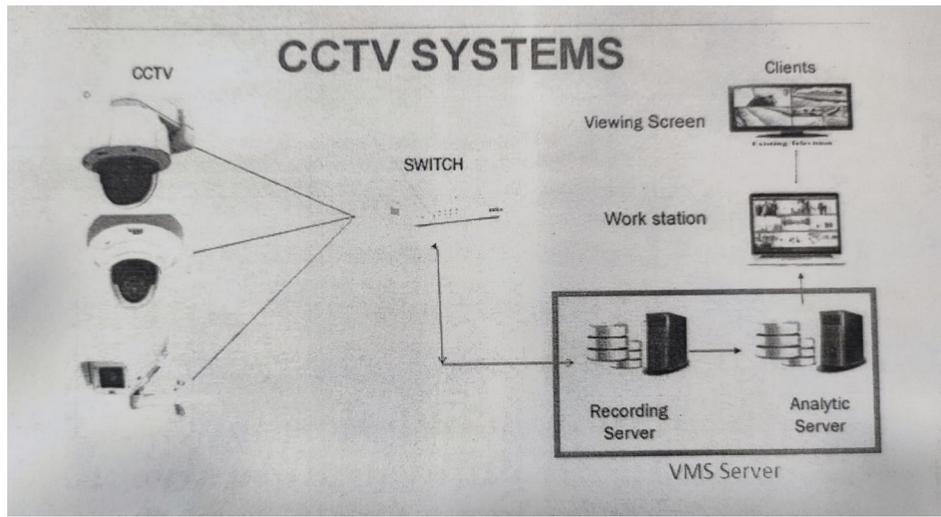
The bid must have the brand of camera from one of these approved brands only:

- A. Axis Communication**
- B. Mobotix**
- C. Arecont Vision**
- D. Wavesys Global**
- E. Wiska**

Important Terms and Condition:

- 1. The IPR for switches and server should not be with a company from a country which shares land boarder with India.**
- 2. The CCTV System *should be SERVER BASED* and NOT NVR BASED. Service provider would need to carry out MAC binding of cameras at server end and disable unused ports on switched. Overall switched should not be connected to internet.**
- 3. Switches/cabling of the system are not be used for any other purpose apart from CCTV monitoring system. All cable used for the project should be ISO certified. No existing wiring will be used, separate wiring including power supply for setup must be done.**
- 4. Cameras should be of fixed lens and not of varifocal lens.**
- 5. Night vision capabilities (Infra-Red vision). The cameras with IR module can view the objects fairly well in darkness.**
- 6. OEM Warranty period of the equipment should be specifically mentioned in the Technical Bid which should be at least five years. The warranty period of the equipment shall commence from the date of commissioning of the CCTV System. Free replacement should be provided in case of any defect/fault/failures related to the system commissioned within the warranty period.**
- 7. Total days for supply of above mentioned items as and when required within 60 days of the confirmation of the order by High Commission of India, Maldives.**
- 8. Annual Maintenance Contract (AMC) will be effective from the expiry of date of warranty and will be valid for 03 years.**

9. System diagram of CCTV system for reference:



10. *If the successful bidder fails to supply the ordered item within the stipulated time period of 60 days, liquidated damages equivalent to 1% (one percent) of contract/bill value shall be charged per week and deducted from the bills of the contractor subject to maximum of 10% of contract/bill value. If any of the assigned work is not found satisfactory or damages to the items are recorded within 7 days delivery of items, an appropriate amount shall be deducted for every major deficiency/damage from final settlement of payment. The amount to be deducted for damage/deficiency will be arrived at after mutual discussion.*

**Government of India
High Commission of India
Male', Maldives**

13.03.2024

NOTICE INVITING TENDER (NIT)

- 1. Sealed tenders from reputed, well experienced and financially sound Indian and Maldivian vendors/suppliers/firms registered with the Indian/Maldivian Govt. departments** are invited by High Commission of India, Maldives on behalf of the President of India, under **Two Bid System** i.e; Technical Bid and Financial Bid for **Supply, installation and Commissioning of CCTV Monitoring System and AMC thereof for three years** on CIF basis.
2. The Time Period for execution of work is within 60 days from the date of issue of Work order.
- 3. Document Download:** Tender documents may be downloaded from the website of Indian High Commission (<https://hci.gov.in/male/?0208?td0>); and website of Central Public Procurement Portal (<https://eprocure.gov.in/epublish/app>) as per the schedule given in CRITICAL DATE SHEET.
4. Interested vendors/supplier may submit/deposit the tender documents complete in all respects and other requisite documents **keeping in view the critical dates as mentioned on Critical Date Sheet.**
5. No tender shall be entertained after this deadline under any circumstances what so ever. The date of opening of Technical Bid is **04.04.2024**
6. At the second stage, financial bids of only those technically acceptable offers would be opened after intimating them the date and time of opening the financial bid for further evaluation and ranking before awarding the work order to successful bidder. Bidders may depute their representatives to be present at the time of opening of financial bids.
7. The High Commission of India reserves the right to amend or withdraw any of the terms and conditions contained in the Tender Document or to reject any or all tenders without giving any notice or assigning any reason. The decision of the High Commission of India, Maldives in this regard shall be final and binding on all parties in all circumstances.



**Head of Chancery
High Commission of India
For and on behalf of the President of India**

Additional Details:

1. The system adopted for tendering will be **Two Bid System** (simultaneous receipt of separate technical and financial bids) with **Technical Bid** consisting of all technical details along with terms and conditions; and **Financial Bid** indicating **lump sum price** for all the Items mentioned in the technical bid. Technical Bid should contain all documentary proofs.
2. The technical bid and the financial bid should be sealed by the bidder in separate covers duly super-scribed and both these sealed covers are to be put in a bigger cover which should also be sealed and duly super-scribed. The technical bids will be opened at the first instance and evaluated by a competent committee. At the second stage financial bids of only those technically acceptable offers would be opened after intimating them the date and time of opening the financial bid for further evaluation and ranking before awarding the work to successful bidder.
3. **Bid Security Declaration:** Every bidder must sign the Bid Security Declaration in the format attached at **Annexure - C**.
4. **Performance Security:** Successful bidder will be required to submit performance Security of an amount equivalent to **5%** of the cost of the successful bid. Performance Security may be furnished in the form of an Account Payee Demand Draft, Fixed Deposit Receipt from a Commercial bank, Bank Guarantee from a Commercial bank or online payment in an acceptable form. Performance Security will remain valid for a period of **sixty days** beyond the date of completion of all contractual obligations of the supplier including warranty obligations. In other words, Performance Security must be valid for 8 years 60 days (Warranty period of 05 Years + 03 Years of AMC +60 days).
5. Address for communication, areas given below: -
Contact Details:
Contact Person: **Head of Chancery**
Address: **High Commission of India, Lot No. 11499, Goalhi 4, Hithigas Maagu, Hulhumale**, Republic of Maldives, Tel: +960-4004176-77 Email: hoc.male@mea.gov.in
Mobile: +960 7208125
6. **Tender Fee- NIL**
7. **PERIOD FOR VALIDITY OF TENDER DOCUMENTS: 180 days**
8. **Technical Bid**
 - a. All documents should be duly signed.
 - b. **Each page of Technical and Financial documents along with the supporting documents must be signed and stamped.**

- c. Bidding Agency will not transfer, assign, pledge or sub-contract the work awarded/ to be awarded.
- d. The Bidding Agency will be bound by the details furnished by him/her in the bid . In case, any document furnished by him/her is found false at any stage, it would be deemed to be breach of terms & condition of work order making him/her liable for legal action besides termination of work order.
- e. In case of tie in the rates, the work will be awarded to the Bidding Agency who have higher work experience and higher value of the work of similar nature executed in the past,
- f. The Bidding Agency shall maintain all statutory records required under the applicable law of Republic of Maldives/Government of India. The agency shall produce the same, on demand, to the concerned authority of this Department or any other authority under law. A compliance certificate in this regard will be needed along with the bills.
- g. The Bidding Agency will be responsible for compliance of all statutory provisions relating to Service tax, GST as per the Republic of Maldives/ Government of India.
- h. Conditional bids will not be considered and will be rejected in the first instance.
- i. The bidders shall be responsible for faithful compliance of the terms and conditions as mentioned in the tender document.
- j. In case of any dispute on bid documents, the decision of competent authority in the Mission will be final and binding.

NOTE: - Documentary evidence is required to establish the eligibility requirement for the conditions mentioned in Technical Bid.

11. RIGHT TO ACCEPT OR REJECT TENDER

- (i) The right of acceptance of tender will rest with The High Commission of India, Male', Maldives
- (ii) The High Commission of India Maldives reserve the right to accept the whole or any part of the tender and tenderer shall be bound to perform the same at the rates quoted. All the tenders in which any of the prescribed conditions are not fulfilled or are incomplete in any respect shall be liable to be rejected.

12. Non Disclosure Undertaking:

By submitting the bid, bidding agency is bound to a Non Disclosure arrangement that the information shared by the High Commission during any stage of tendering and completion of work will not be shared with any party neither during the tendering period nor in future.

13. Non Disclosure Agreement:

The successful bidder will be required to sign a 'Non Disclosure Agreement' placed at Annexure D at the time awarding of work.

14. BIDDER TO GET INFORMED HIMSELF FULLY:

The authorized signatory of bid document will be deemed to have carefully read and understood the tender documents along with the terms & conditions and thereafter has filed the tender document for bid process.

15. PAYMENT SCHEDULE:

- a. **80% of total amount after supply, installation and commissioning of the CCTV system at High Commission of India.**
- b. **Remaining 20 % after 90 days from the date of successful installation and commissioning**

16. FORCE MAJEURE:

Any delay due to Force Majeure will not be attributable to the bidder. Force Majeure events shall mean one or more of the following acts or events: Acts of God or events beyond the reasonable control of the Affected Party which could not reasonably have been expected to occur, exceptionally adverse weather conditions, lightning, earthquake, cyclone, flood, volcanic eruption or fire or landslide; Radioactive contamination or ionizing radiation; Strikes or boycotts (other than those involving the Supplier or its employees / representatives or attributable to any act or omission of any of them) interrupting supplies and services of the Project for a period exceeding a continuous period of 7 (seven) days; An act of war (whether declared or undeclared), invasion, armed conflict or act of foreign enemy, blockade, embargo, riot, insurrection, terrorist or military action, civil commotion or politically motivated sabotage which prevents rendering of supplies or specified services by the Supplier for a period exceeding a continuous period of 7 (seven) days.

17. LEGAL/Disputes & Differences:

Decision of The High Commission of India, Maldives shall be final and binding on all the bidders. However, any dispute can be referred to an Arbitrator, and will be settled according to the Government of India's Rules and Regulations and not according to Local Laws of the Maldives.



**Head of Chancery
High Commission of India
For and on behalf of the President of India**

PART-I

(Technical Bid)

FORM OF TENDER

**To,
Head of Chancery
High Commission of India,
Male, Maldives**

Dear Sir,

Having examined the specifications, and schedule of quantities relating to the works specified in tender document hereinafter set out and having visited and examined the site of the works specified in the said document having acquired the requisite information relating there to as affecting the tender, we hereby offer to supply and execute the works specified in the said tender document, within the time specified at the rates mentioned in the attached schedule of quantities and in all respects with the specifications, designs and instructions in writing referred to in conditions of tender.

I.	Description of work	Supply, installation and Commissioning of CCTV Monitoring System and AMC thereof for three years at High Commission of India, at Hulhumale on CIF basis (on door to door basis)
II.	Time allowed for completion of the work from tenth day after the date of written order to complete work commission final operations.	60 days. In case of delay, penalty equivalent to 1% (one percent) of contract/bill value shall be charged per week and deducted from the bills of the contractor subject to maximum of 10% of contract/bill value.
III.	Maintenance of CCTV system and Replacement of faulty equipment under the warranty period	Free Maintenance of complete CCTV system and replacement will be provided in case of any defect/fault/failures related to the system commissioned within the warranty period.

2. Should this tender be accepted, we hereby agree to abide by and fulfil the terms and conditions of the tender so far as they may be applicable.

3. We are enclosing herewith duly filled up proformas (I to V) with complete details and documentary evidence.

4. The Tender is submitted in two parts in separate sealed envelopes. **Part-1** contains all commercial terms and conditions and technical particulars and **Part-2** contains only the Price/Financial Bid in the High Commission's proforma.

5. We have visited the site and gone through the terms & conditions stipulated in the tender document and confirm to abide by the same.

Regards,

Yours faithfully

Signature of bidder
(Name of the contractor/bidder of the firm authorised to sign with company seal)

Date: _____

PART -I

PROFORMA I

A. APPLICATION FOR TENDER

1	Name of Tendering Company/Firm/Agency	
2	Name of proprietor/Director of Company/Firm/Agency)	
3	Full Address of Regd. Office:	
	Telephone/Mobile No.	
	Fax No.	
	E-mail Address	
4	Full Address of local Branch office	
	Telephone/Mobile No.	
	Fax No.	
	E-mail Address	
5	Banker of Company/Firm/Agency (full Address)	
	(a) Telephone Number of Banker	
6	GST Registration Number/TIN number, if any (Attach attested copy)	

(Signature of the Bidder, with official Seal)

PROFORMA II

Name of Bidding Firm

Sl. No.	REQUIREMENT	COPY OF RELEVANT DOCUMENT	ENCLOSED YES/NO	PAGE NO. OF BID DOCUMENT
2.	Bidding Agency should be registered with the appropriate registration authority.	Copy of Registration Certificate		
3.	Bidding Agency should be registered with Service Tax/sales tax/GST Authorities	Copy of Service Tax/sales tax/GST Certificate		
4.	Valid Certificate of Importer-Exporter Code (IEC) issued by competent authority	Copy of Certificate of Importer-Exporter Code (IEC)		
5.	PAN Card (Not Applicable for Maldivian)	Copy of PAN card		
6.	Bidding Agency should have completed the work as per criteria given during last 03 years and out of which the value of work should be. a) Three similar completed works costing not less than the amount equal to 40% of the estimated amount. or b) Two similar completed work costing not less than the amount equal to 50% of the estimated cost. or c) One similar completed work costing not less than the amount equal to 80% of the estimated cost.	Copy of work order and completion certificate		
7.	IT returns/Annual Turnover for the last Three FY.	Certificate from Statutory Auditor		
8.	Declaration regarding black listing as per format attached	Declaration in enclosed format		

Date:
Place:

(Signature of the Bidder, with official Seal)

PROFORMA III
DECLARATION

1. I, _____ Son/ Daughter of Mr. _____ signatory of the agency/ firm mentioned above, is competent to sign this declaration and execute this tender document:
2. I have carefully read and understood all the terms and conditions of the tender and undertake to abide by them:
3. My agency has not been blacklisted/ debarred from participating in tender of any Ministry/ Department of Government of India/Maldives and Government of India/Maldives undertaking in the last Three (3) Years as on date of opening of this Tender.
4. The information/documents furnished along with the above application are true and authentic to the best of my knowledge and belief.
5. I/we are well aware of the fact that furnishing of any false information/ fabricated document would lead to rejection of my tender at any stage besides liabilities towards prosecution under appropriate law.
6. I/we by submitting the bid, will not share information with any party neither during the tendering period nor in future shared by the High Commission during any stage of tendering and completion of work.

Signature of authorized person(s)

Date:

Full Name:

Place:

Seal:

PROFORMA IV

Brief Technical Details of the proposed equipment

Sr. No.	Item Particulars	Brand proposed	Manufacturing Country/Origin	Warranty Period	Whether conforms to the specification given in NIT (please write Yes or No)
1	2 MP Dome Camera				
2	4 MP Dome Camera				
3	4 MP Bullet Camera				
4	4 MP PTZ Camera				
5	4 MP Fish Eye Camera				
6	4 MP LPR Cameras				
7	Server (Recording server and Analytic server) with video management software (VMS)				
8	42" LED TV				
9	SFP PoE switches 24/16/12 Gigabite port				
10	Network video decoder (35 Channels resolution)				
11	UPS				

Signature of bidder
(Name of the contractor/bidder of the firm authorised to sign with company seal)
Date:_____

PROFORMA V

DECLARATION

It is declared that the proposed equipments for CCTV system is under 05 years OEM Warranty and the Warranty period of the equipment shall commence from the date of commissioning of the CCTV system. Free Maintenance of complete CCTV system will be provided during warranty period and free replacement will be provided in case of any defect/fault/failure related to the commissioned system within the warranty period.

It is also declared that a dedicated on-call technician shall be provided based on any assistance sought by the Mission during the currency of the Warranty period during office hours or emergency requirements beyond office hours/on holidays free of cost.

**Signature of bidder
(Name of the contractor/bidder of the firm authorised to sign with company seal)**

Date: _____

PART-II

(Financial Bid)

Financial Bid Form

Financial details (all inclusive) to be furnished by the bidders for Supply, installation and Commissioning of CCTV Monitoring System and AMC thereof for three years to High commission of India, at Hulhumale, Maldives: -

Sr.	Items	Qty	Rate on CIF basis at Male in US\$ / INR/ MVR (All inclusive)
1.	2 MP dome camera	15	
2.	4 MP dome camera	07	
3.	4 MP Bullet camera	06	
4.	4 MP PTZ camera	01	
5.	4 MP Fish Eye camera	02	
6.	4 MP LPR cameras	02	
Total Cameras		33	
7.	Server (Recording server and Analytic server) with video management software (VMS)	02	
8.	Cat 6 Fiber Cable roll	04	
9.	42" LED TV	04	
10.	SFP PoE switches 24/16/12 Gigabite port	As per requirement	
11.	Server Equipments for 45 days recording	As per requirement	
12.	Network video decoder (35 Channels resolution)	As per requirement	
13.	All other software/hardware/ equipment/ accessories including work station required for CCTV monitoring system installation.	As per requirement	
14.	AMC	For 3 year after the expiry of warranty	
15.	UPS	01 (As per requirement for 33 CCTV cameras and server)	
	TOTAL		

OTHER CONDITIONS

1. The above mentioned item should be supplied to the complete satisfaction of the officer-in-charge of work conforming to the Standard Specifications.
2. It shall be the responsibilities of the vendor/supplier to ensure that no damage is caused during the transportation of above mentioned items. High Commission will not accept any damaged/faulty items and will not pay for the same until the vendor replace the damaged item.
3. The supplier will be fully responsible till the above mentioned items reaches the given location/address.
4. In case the item is not as per specification, the same shall be replaced by the vendor/supplier. High Commission will not be responsible for any theft or loss at any stage before handing over of the consignment at the delivery address.
5. The supply of above mentioned items should be commenced immediately from the date of issue of work order and must be completed within stipulated time (**60 days**) from the date of receipt of work order.
6. No compromise will be accepted in respect of quality and specification of the above mentioned items.
7. The vendor/supplier shall be liable for any issues arising in relation to any payment of taxes, custom duty etc.
8. Vendor/supplier will be fully responsible for ensuring the warranty of each equipment as promulgated by original manufacturer.
9. Vendors/supplier will be fully responsible for showing the correct operability of the equipment at the time of delivery of items.
10. The rates provided above must be on CIF basis including cost of items, cost of transportation, insurances, customs duties if any, taxes, loading and unloading, packing etc. and will be managed by vendor completely. No extra amount will be paid to the vendor over the rates quoted by the vendor/supplier/tenderer.
11. Approving authority reserves the right to reject any or all the work order without assigning any reason.



**Head of Chancery
High Commission of India
For and on behalf of the President of India**

ANNEX A

High Commission of India
Malè,

CCTV system. (Chancery Building, Hulhumalé)

Floor Name	Nos & Locations	Qty.
Ground Floor	1-5 Perimeter Area (1&2 LPR*) & (3,4 & 5 Bullet Camera) 6 Parking Area 7 CISF Security Hold Area 8 Lift Lobby Area (4MP) placed north western side 9 Lift inside 10 Garbage side	10
First Floor	11 Stair/Lift Lobby Area 12 Placed in mid of Consular hall (Fish Eye, 4MP).	02
Second Floor	13 Stair/Lift Lobby Area 14 FS(Cons) office Lobby 15 Reception Hall [13, 14 & 15 cameras (4MP)]	03
Third Floor	16 Stair/Lift Lobby Area 17 DA office Lobby	02
Fourth Floor	18 Stair/Lift Lobby Area 19 HOC office Lobby 20 Store Area (Printer & Fax operating)	03
Fifth Floor	21 Stair/Lift Lobby Area 22 Library (4MP) 23 FS(Proj) office Lobby	03
Sixth Floor	24 Stair/Lift Lobby Area 25 DHC office Lobby	02
Seventh Floor	26 Stair/Lift Lobby Area 27 HC office corridor	02
Terrace Floor	28 Stair/Lift Lobby Area 29 Placed in mid of Conference hall (Fish Eye, 4MP). 30 8 th floor Terrace corner* (Bullet camera 4 MP)	03
Terrace Perimeter corner	31 North to South perimeter 32 West to East perimeter	02
North side top of Terrace	33 PTZ camera at Top Floor	01
Summary of Cameras	2 MP Dome Cameras- 15 4 MP Dome Cameras - 07 4 MP Bullet Camera – 06 4 MP PTZ Cameras- 01 4 MP Fish Eye Cameras - 02 2 MP LPR – 02	Total - 33

Specification of 2MP Dome Camera

<u>Ser</u>	<u>Parameter</u>	<u>Specification</u>
1.	Image Sensor	1/3" Progressive CMOS or better
2.	Day/Night Operation	Automatic Switch
3.	Minimum Illumination	Colour : 0.2lux BW: 0.04lux or better
4.	Image Resolution	1920x1080 or better (2MP)
5.	Video Compression	H.264 / H.265
6.	Frame Rate and Bit rate	30 fps or better
7.	Stream	Dual or Above
8.	Motion Detection	Built in or IP integrated
9.	Wide Dynamic Range	120 dB or better
10.	IR	15 Mts or better
11.	Interface	RJ45 10BASE-T/100BASE-TX PoE
12.	Protocols	IPv4, IPv6, HTTP, HTTPS, SSL/TLS, DHCPv4/v6 and additional
13.	Security	User Authentication, IP Filtering and use access log.
14.	Event Trigger	Motion Detection and tamper detection
15.	Operating Temperature	Location Specific
16.	Operating Humidity	Location Specific
17.	Onvif	Should be compliant
18.	NDAA Complaint	The proposed camera should be NDAA Complaint
19.	Warranty	5 years OEM warranty

Specification of 4MP Dome Camera

<u>Ser</u>	<u>Parameter</u>	<u>Specification</u>
1.	Image Sensor	1/3" Progressive CMOS or better
2.	Day/Night Operation	Automatic Switch
3.	Minimum Illumination	Colour : 0.2lux BW: 0.04lux or better
4.	Image Resolution	4 Mega Pixel
5.	Video Compression	H.264 / H.265
6.	Frame Rate and Bit rate	30 fps or better
7.	Stream	Dual or Above
8.	Motion Detection	Built in or IP integrated
9.	Wide Dynamic Range	120 dB or better
10.	IR	18 Mts or better
11.	Interface	RJ45 10BASE-T/100BASE-TX PoE
12.	Protocols	IPv4, IPv6, HTTP, HTTPS, SSL/TLS, DHCPv4/v6 and additional
13.	Security	User Authentication, IP Filtering and use access log.
14.	Event Trigger	Motion Detection and tamper detection
15.	Operating Temperature	Location Specific
16.	Operating Humidity	Location Specific
17.	Onvif	Compliant
18.	NDAA Complaint	The proposed camera should be NDAA Complaint
19.	Warranty	5 years OEM warranty

Specification of 4MP Fixed Bullet Camera**QTY (06)**

Ser	Parameter	Specification
1.	Image Sensor	1/3" Progressive CMOS or better
2.	Day/Night Operation	Automatic Switch
3.	Minimum Illumination	Colour : 0.2lux BW: 0.05lux or better
4.	Image Resolution	4 Mega Pixel
5.	Video Compression	H.264 / H.265
6.	Frame Rate	25 FPS or better
7.	Stream	Dual or Above
8.	Motion Detection	Built in or IP integrated
9.	Wide Dynamic Range	120 dB or better
10.	IR	20 Mts or better
11.	Interface	RJ45 10BASE-T/100BASE-TX PoE
12.	Protocols	IPv4, IPv6, HTTP, HTTPS, SSL/TLS, DHCPv4/v6 and additional
13.	Security	User Authentication, IP Filtering and use access log.
14.	Event Trigger	Motion Detection and tamper detection
15.	Operating Temperature	Location Specific
16.	Operating Humidity	Location Specific
17.	Onvif	Should be compliant
18.	NDA Complaint	The proposed camera should be NDA Complaint
19.	Warranty	5 years OEM warranty or better

Specification of 4MP PTZ Camera**QTY (01)**

<u>Ser</u>	<u>Parameter</u>	<u>Specification</u>
1.	Image Sensor	1/2.8" Progressive CMOS or better
2.	Day/Night Operation	Automatic with IR Cut Filter
3.	Minimum Illumination	Colour : 0.7lux BW: 0.01lux or better
4.	Image Resolution	4 Mega Pixel
5.	Video Compression	H.264 / H.265
6.	Frame Rate and Bit rate	Full HD 30 fps or better
7.	Stream	Dual or Above
8.	Motion Detection	Built in or IP integrated
9.	Wide Dynamic Range	120 dB or better
10.	IR	18 Mts or better
11.	Interface	RJ45 100BASE-TX
12.	Protocols	IPv4, IPv6, HTTP, HTTPS, SSL/TLS, DHCPv4/v6 and additional
13.	Security	User Authentication, IP Filtering and use access log.
14.	Event Trigger	Motion Detection and tamper detection
15.	Operating Temperature	Location Specific
16.	Operating Humidity	Location Specific
17.	Onvif	Compliant
18.	NDA Complaint	The proposed camera should be NDA Complaint
19.	Warranty	5 years OEM warranty
20.	Optical Zoom	30 Minimum & 12x Digital Zoom, or better
21.	Logs	The camera shall provide logs of latest connections, access attempts, users connected, changes in the cameras etc.
22.	Electronic Shutter	1/10000 s to 1s or better
23.	Image Freeze on PTZ	Required
24.	Preset Position	100 or better
25.	Enclosure	IP66 and NEMA 4X-rate

Specification of 4 MP Fish Eye Camera**QTY (02)**

Ser	Parameter	Specification
1.	Image Sensor	1/2" Progressive CMOS or better
2.	Horizontal field view	180 degree or better
3.	Vertical field of view	180 degree or better
4.	Minimum Illumination	Colour : 0.4lux
5.	Image Resolution	4 Mega Pixel
6.	Video Compression	H.264 / H.265
7.	Frame Rate	25 fps or better
8.	Stream	Dual or Above
9.	Motion Detection	Built in or IP integrated
10.	Wide Dynamic Range	120 dB or better
11.	IR	10 Mts or better
12.	Interface	RJ45 10 BASE-T/100BASE- TX PoE
13.	Protocols	IPv4, IPv6, HTTP, HTTPS, SSL/TLS, DHCPv4/v6 and additional
14.	Security	User Authentication, IP Filtering and use access log.
15.	Event Trigger	Motion Detection and tamper detection
16.	Operating Temperature	Location Specific
17.	Operating Humidity	Location Specific
18.	Onvif	Compliant
19.	NDAA Complaint	The proposed camera should be NDAA Complaint
20.	Warranty	5 years OEM warranty

Specification of 4MP LPR Camera**QTY (02)**

Ser	Parameter	Specification
1.	Image Sensor	1/3" Progressive CMOS or better
1.	Day/Night Operation	Automatic switch
2.	Minimum Illumination	Colour : 0.7lux BW: 0.01lux or better
3.	Image Resolution	4 Mega Pixel
4.	Video Compression	H.264 / H.265
5.	Frame Rate and Bit rate	30 fps or better
6.	Stream	Dual or Above
7.	Motion Detection	Built in or IP integrated
8.	Wide Dynamic Range	120 dB or better
9.	IR	25 Mts or better
10.	Detection Range	15 Mts or better
11.	Optical character recognition	English alpha numeric in std fonts
12.	Max speed of vehicle that can be recognized	40Kms/hour or better
13.	Software analyses	The system should automatically detect a veh in the camera view using video detection and activate license plate recognition. The System shell automatically detect the license plate in the captured video feed in real-time. The software should be capable of detecting number plates from old videos or offline data. The Instantaneous and automatic generation of alarms. In case of identity of vehicle in any category which is definr by user.
14.	Interface	RJ45 10 BASE-T/100BASE- TX PoE
15.	Speed recognition	2 seconds or better
16.	Protocols	IPv4, IPv6, HTTP, HTTPS, SSL/TLS, DHCPv4/v6 and additional
17.	Maintenance of vehicle data	The system shell store JPEG image of vehicle and license plate and entre the license plate number into DBMS data base along with date time stamp and site location details.
18.	Security	User Authentication, IP Filtering and use access log.
19.	Event Trigger	Motion Detection and tamper detection
20.	Operating Temperature	Location Specific
21.	Operating Humidity	Location Specific
22.	Onvif	Compliant
23.	NDAA Complaint	The proposed camera should be NDAA Complaint
24.	Warranty	5 years OEM warranty

Server for minimum 45 days back up

S No	Description	Specification	Compliance
1	CPU	64 Cameras 64-bit high performance, Minimum Two Processor of 8 Core each or higher Intel/AMD CPU operating at 2.1 GHz or more with a minimum of 11 MB L3 cache or higher	
2	Memory	64 GB DDR RAM Upgradable to 1 TB	
3	Hard Drive	SAS 10k rpm or higher hot swappable Hard disk in raid 5 or 6 configuration having usable space of 125 TB or more	
4	Recording Server	Rack Mountable	
5	Fans	Normal with Redundant FANS.	
6	Network Adapter (NIC)	Dual 10/100/1000 Mbps ports.	
7	Keyboard	USB Keyboard	
8	Mouse	Optical Mouse with scroll	
9	Operating System	Licensed MS Windows Server or Linux (Latest version)	
10	Anti-Virus Software	Compatible with Windows/ Linux with offline update provision.	

Note:-The Intellectual Property Rights for the server should not be with a company from a country which share land border with India. Non compliance would need prior approval.

SFP POE Switch

S No	Description	Specification			Compliance
1	PoE Port	8*10/100/1000 port support IEEE802.3 af/at	16*10/100/1000 port support IEEE802.3 af/at	24*10/100/1000 port support IEEE802.3 af/at	
2	Switch capacity	5 Gbps or better	7 Gbps or better	8 Gbps or better	
3	Transmission Distance	100 - 150m			
4	Protocol standards	IEEE802.3 af/IEEE802.3 at			
5	PoE Type	End-span			
6	Network standard	IEEE 802.3, IEEE 02.3u, 802.3x, 802.3af/at			
7	Network Medium	10/100/1000 mbps 5 class and above non shielded twisted pair			
8	SFP Port	Yes			
9	Forwarding Rate	100 Mbps :14880pps/1000Mbps:1480pps			
10	MAC address	MAC Address table 8K			
11	Port function	Power priority mechanism, fast and forward, MAC IEEE802.3X Full-duplex and mode and backpressure for half -duplex mode.			
12	Indicators	Each port occupied 1 Link/Act 100 Mbps POE status Indicator, Whole power indicator.			
13	Working Temperature	Location specific. Location with sub zero temperature should use Industrial grade switches.			

Note:-The Intellectual Property Rights for the switches should not be with a company from a country which share land border with India. Non compliance would need prior approval.

Work Station

1	TECHNICAL SPECIFICATIONS:	Compliance
2	Core i9 Processor 3.0GHZ or better.	
3	Memory: 32 GB DDR RAM or better.	
4	Form factor : Tower	
5	Hard Drives: 450 GB SSD and 2 TB SATA or better.	
6	Graphic Card : 2 x 4Gb Graphics card with HDMI Port	
7	Network Adapter (NIC): Dual Integrated 10/100/1000 Mbps ports.	
8	Keyboard: USB Keyboard	
9	Mouse: Optical Mouse with scroll	
10	Operating System: Licensed M S windows/ Linux	
11	Anti-Virus Software compatible with Windows/ Linux with offline update provision.	

CCTV Passive items(as per actuals)

S No	NETWORKING, CABLING, ETC.	Compliance
1	CABLES	
	a General Features:	
	i All cables used for the project shall be supplied as under: a) ISO certified reputed cable manufacturer. b) Ensure high bandwidth, low attenuation and low losses in signal quality.	
	ii Backbone Network up to Switches (L3 Switches to L2 Switches): OFC	
	iii From Switches to each node (L2 Switch to Servers, Workstation, Cameras, Displays etc.): UTP Cat 6	
	iv Laying of cable inside the building shall be in conduit and for outdoor a. Through HDPE pipe in sift soil. b. In concrete /read cutting area ,it shall be laid in GI pipe	
	v Cable and spools shall be of flame retardant type.	
	vi	
	b Optical Fibre Cable	
	i Optic Fibre 6 core, SMF, 9/125 micron, 1000 Mbps	
	ii Core Diameter @ 1310 nm : 9±0.6 micro meter Cladding Diameter : 125±1.0 micro meter	
	iii Max. Attenuation (Cables with fibres) At 1310 nm : 0.36 dB/km at 1550 nm : 0.25 dB/km	
	iv Secondary Buffer Material : Gel filled Loose Tube	
	v Min. Bend Radius : 20x Outer Diameter	
	vi Fibre Core: Should be Silica Glass or equivalent	
	c CAT6 UTP cable	
	i Suitable for high speed data applications, Gigabit Ethernet.	
	ii 4 pairs, easily identifiable colour -striped Outlet.	
	iii Termination of 4 pair balanced twisted pair copper cable.	
	iv Shall be wired straight through.	
	v Rear protective strain relief cap.	
2	PATCH CORDS	
	a Push &pull design with latch.	
	b Shall be wired straight through.	

c	Bend relief compliant boots to ensure proper CAT6 performance.	
3	OFC PATCH CORDS	
	Suitable for single mode SC type fiber cable connectors with plastic moulded plug type connectors. Standard ceramic ferrules.	
4	OFC CONNECTORS	
	Single mode SC/LC type with push-pull mechanism, fully in compliance, with latest industry standards.	
5	OFC ADAPTORS	
	Suitable for single mode SC/LC type fiber cable connectors which shall be fully in compliance with latest industrial standard. It shall be with snap/latch mechanism.	
6	Light Guide Interconnect Unit(LIU)	
	Rack Mount Type LIU fully populated with required modules, connectors, etc. Shall be supplied and installed as required.	
7	9U WALL MOUNT RACK	
a	Portable 9U WALL Mount Rack having front Transparent Toughened glass door. The Rear door material shall be CRCA Steel.	
b	It should consist of secure locks, keyboard tray sliding & rotary, shelf For CRT/TFT Display, Support cable entry from top or bottom, vertical & horizontal managers, fan for heat dissipation, dust or water resistant and PDU power strips.	
c	Minimum 60 Kgs Load Bearing capacity.	
8	OUTDOOR JUNCTION BOX	
a	Protection Class: IP -55	
b	Size: Junction Box must be of appropriate size to house different components as per CCTV system design confirming to tender specifications	
c	Power & Earthing: The junction box shall be provided with external earthing lugs 5 socket Power termination with MCB or More	
9	Poles	
a	GI Poles	
b	Erection: Proper sturdy fixing, including civil/groundwork.	

VMS

Sno	Specification	Compliance
1	The software should have inbuilt facility to store configuration of cameras.	
2	The software shall Support flexible 1/4/9/16/25 user defined Windows Split screen display mode or scroll mode on the PC/Workstation monitor or on preview monitor as per site requirement.	
3	The software shall be able to control all cameras features such as PTZ control, auto/manual focus, and color balance of camera, Selection of presets, Video tour selection etc.	
4	The software is required to generate reports of stored device configuration. The control software is required to provide alarm and alarm log. The log shall be able to be archived, printed and displayed using a device filter, a device group filter and/or a time window.	
5	The software shall have user access authority configurable on per device or per device group basis. The authorized user shall have the facility to request the access of any camera and can control the camera for a reservation period. Control of camera is released after the reservation period.	
6	The system software shall provide User activity log (audit trail)with user id, time stamp, and action performed, etc.	
7	The administrator shall be able to add, edit & delete users with rights. It shall be possible to view ability/ rights of each user or the cameras which can be viewed & controlled as per the permission assigned by the administrator.	
8	The system software should provide Analytic features such as Intrusion, Motion detection and Security device Alarm etc as per site requirement.	
9	The system software shall have recording modes viz. continuous, manual, or programmed modes on date, time and camera-wise. All modes shall be disabled and enabled using scheduled configuration. It shall also be possible to search and replay the recorded images on date, time	

	and camera wise. It shall provide onscreen controls for remote operation of	
10	PTZ cameras. It shall have the facility for scheduled recording. Different recording speeds (fps) and resolution for each recording mode for each camera shall be possible.	
11	It shall provide programmable motion detection and recording, to be defined, area-wise.	
12	The settings shall be individually configurable for each alarm and each camera, pre-record duration. This shall allow the Camera Server to capture video prior to the alarm/event, as well as after the alarm/ event. Shall be selectable from a list of values ranging between 0 seconds and 5 minutes.	
13	Data storage should be at a secure location, with strictly controlled access. The Capacity of storage should be for the period of continuous 45days or more. For every 30disks one spare disk needs to be configured over and above required capacity. The storage system should follow FIFO on recording.	
14	The software shall support a built-in Hardware or Software Watchdog module. Watchdog shall monitor operation of all services and automatically restart them if they are malfunctioning.	
15	The software should be able to receive alarm signal of the camera and should be able to send relay out signal through the camera.	
16	The software should provide a reporting utility for tracking but not limited to the following options. Video and images shall be stored with reports for documenting events.	
Alarms, Incidents, Operator logs, Service requests		
17	It shall be possible to get reports on past events by querying the audit databases. It shall allow the search by User Logon, Entity Configuration, Incident, Alarm, Application Failure, and Equipment Failure.	
18	It shall allow passage of specific alarms to specified users rather than sending all alarms to every user	
User Facilities Covered In Application Software		
19	The client shall perform the following applications simultaneously without interfering with any of the Archive Server operations (Recording, Alarms, etc.):	

	<ul style="list-style-type: none"> a. Live display of cameras b. Control of PTZ cameras c. Playback of archived video d. Retrieval of archived video e. Instant Replay of live video f. Configuration of system settings 	
20	The user applications shall provide an authentication mechanism, which verifies the validity of the user.	
21	The user shall be able to define bookmarks, the amount of time he wishes to go back from a predefined list or through a custom setup period.	
22	The user shall be allowed to add bookmarks to recorded clips of video.	
23	<p>The user shall be able to choose and trigger an action from a list of available actions included but are not limited to:</p> <ul style="list-style-type: none"> i. View camera in a video tile ii. View Map or procedure in video tile iii. Starting/ stopping PTZ pattern iv. Go to PTZ preset v. Sending alert messages 	
24	The user shall be capable to display all camera sequences created in the system.	
25	The user shall be allowed for unlimited cameras sequences, which can be run independently of each other on either of the monitor tiles.	
26	The user shall be able to drag and drop a camera from a tree of available cameras into any video tile for live viewing.	
27	Support digital zoom on a fixed/ PTZ camera's live and recorded video streams.	
28	The user shall be allowed to access the PTZ configuration with no need of additional hardware.	

**ANNUAL MAINTENANCE CONTRACT (AMC)
for CCTV Monitoring System**

This Agreement is entered into this _____ day of _____ between High Commission of India (hereinafter called as "**Mission**") and **M/s Successful Bidder Male, Maldives** (hereinafter called as "**Service Provider**").

WHEREAS the **Service Provider** is bound provide Maintenance service pursuant to the terms and conditions of this agreement for the purpose maintenance of the complete **CCTV Monitoring System** and related hardware and software after commissioning of **said system** in **High Commission of India, Galleon Residence, Hulhumale** (hereinafter called as "**Premises**");

NOW THEREFORE, in consideration for the mutual undertakings of the **Mission** and the **Service Provider** under this Agreement, the Parties agree as follows:

General terms and conditions:

1. Period of contract

The AMC is to be valid for **03 years** from the date of expiry of OEM warranty of the **CCTV Monitoring System** at the premises.

2. On call Contact

Service provider agrees that a dedicated on-call technician shall be provided based on any assistance sought by the Mission during the currency of the AMC.

3. Periodic Maintenance

The Service Provider agrees to provide **(i)** Quarterly Routine Maintenance **(ii)** preventive periodic Maintenance once in a month, **(iii)** Unlimited service calls upon requirement during office hours (0900-1700 hrs.).

4. Terms of Payment:

The Service provider agrees to raise an invoice amounting to 25% of the approved cost of annual AMC alongwith copy of logbook of periodic maintenance at the end of each quarter (03 months). Mission agrees to release the payment quarterly on submission of invoice by Service provider.

5. Maintenance of parts

The Service Provider agrees that all the items which are part of **CCTV Monitoring System** including software and hardware are covered under comprehensive AMC for 03 years except if the products are damaged due to mishandling, hitting by equipment's etc. the Warranty and comprehensive replacement shall not be applicable in the event any fault in equipment or damage to the equipment was caused intentional, reckless or careless handling of equipment by any third party to this agreement or any damage caused by fire, flood, rain or any other such natural events.

6. Training

The Service Provider agrees that it shall conduct a basic operational training session for the designated officer/s of the Mission in respect of **CCTV Monitoring System** at the time of handover, a complete training will be provided.

7. Working Hours

The Service Provider understands and agrees that the Maintenance work shall be done during working hours. However, in case of emergency maintenance may have to be done beyond office hours and on holidays.

8. Log Book

The Service Provider agrees that a separate register shall be maintained in the Mission to record the visit details and shall be countersigned by the technician visiting the Mission.

9. Term and Termination.

The term of this Agreement shall commence on the Effective Date i.e. the date of signing the Agreement for the AMC and continue for such a period until and unless the Mission terminates the Agreement or the Premises is relocated or vacated or abandoned, whichever is earlier.

ACCEPTED AND AGREED

High Commission of India, Male Mr. Hermon N Kujur Head of Chancery E-mail: hoc.male@mea.gov.in Telephone: +960-7208125	M/s Mr. _____ Designation: _____ E-mail: _____ Telephone: _____
---	--

Bid-Security Declaration

To,
Head of Chancery,
High Commission of India, Male'
Lot no. 11499, Goalhi 4, Hithigas Maagu
Hulhumalé Phase - I, Maldives

Reference: Tender No. _____ dated _____

I/We hereby accept that I/We may be disqualified from bidding for any contract with High Commission of India (HCI), Male' for a period of two years from the date of disqualification as may be notified by HCI, Male' (without prejudice to HCI's rights to claim damages or any other legal recourse) if,

- 1) I am /We are in a breach of any of the obligations under the bid conditions,
- 2) I/We have withdrawn or unilaterally modified/amended/revised, my/our Bid during the bid validity period specified in the form of Bid or extended period, if any.
- 3) On acceptance of our bid by HCI, Male', I/we failed to execute the agreement or failed to sign the contract, or to submit a performance security before deadline specified in the request for bid document.

Signature of authorized person(s)

Date:

Full Name:

Place:

Seal:

(Note: In case of a Joint Venture, the Bid Security Declaration must be in the name of all partners to the Joint Venture that submits the bid).

Non-Disclosure Agreement

This Agreement is entered into this ___Date_____ between High Commission of India (hereinafter called as "**Discloser**") and M/s ___Name of the Successful Bidder_____ (hereinafter called as "**Recipient**"), collectively "**Party**" or "**Parties**".

WHEREAS the Discloser possesses certain information relating to the security set-up, security architecture, lay-out, security processes and procedures, designs, drawings, software and hardware configuration, computer programs, algorithms, services, customers etc that is confidential and proprietary in nature (hereinafter called as "**Confidential Information**"); and

WHEREAS the Recipient is bound to get to know about the Confidential Information in pursuant to the terms of the Agreement for the purpose of supply, installation, testing and commissioning of **CCTV Monitoring System** (hereinafter called as "Purpose") in **High Commission of India, Lot No. 11499, Goalhi 4, Hithigas Maagu, Hulhumale, Republic of Maldives** (hereinafter called as "Premises");

NOW THEREFORE, in consideration for the mutual undertakings of the Discloser and the Recipient under this Agreement, the Parties agree as follows:

1. **Disclosure:** Recipient agrees not to disclose and the Discloser agrees to let the Recipient have the access to the Confidential Information as identified and reduced in writing or provided verbally or in any other way not reduced in writing at the time of such disclosure of the information.
2. **Confidentiality:**
 - 2.1 **No Use:** Recipient agrees not to use the Confidential Information in any way or under any circumstances share the same, in writing or through any other means, with any Third Party.
 - 2.2 **No Unauthorized Disclosure:** Recipient agrees to use its best efforts to prevent and protect the Confidential Information, or any part thereof, from disclosure to any person(s) or entity(ies), even if authorized or directed under any law, without the express permission of the Discloser. Discloser, notwithstanding, shall have the right to deny such disclosure of the Confidential Information being detrimental to the security interests of the Discloser and/or its premises and employees.
 - 2.3 **Protection of Secrecy:** Recipient agrees to take all steps necessary to protect the secrecy of the Confidential Information, and to prevent the Confidential Information from falling into the public domain or into the possession of unauthorized person(s) and/or entity(ies).
 - 2.4 **Term and Termination :** The term of this Agreement shall commence on the Effective Date i.e. the date of signing the Agreement for the Purpose and continue for such a period until and unless the Discloser terminates the Agreement or the Premises is relocated or vacated or abandoned, whichever is earlier.
3. **Breach:** The Recipient acknowledges that disclosure or use of Confidential Information in violation of this Agreement could cause irreparable harm to Discloser including loss of

lives and limbs of the persons and damage to the property, for which monetary damages may be difficult to ascertain or turn to be meaningless. The Recipient therefore agrees that Discloser will have the right, in addition to its other rights and remedies, to seek injunctive relief for violations of this Agreement.

4. In case the Discloser suspects any violation of this Agreement, upon reasonable notice, it shall be binding for the Recipient to allow the Discloser to carry out an Audit by itself or by an authorized representative. In such a situation, the Recipient shall cooperate with the Discloser. The onus to rebut the suspicion shall lie on the Recipient.
5. Any dispute or difference arising out of or in connection with this Non-Discloser Agreement shall be settled amicably by the Parties through mutual negotiations. Any unsettled dispute or difference shall be referred to Arbitration by a Sole Arbitrator.
6. This Agreement shall be governed by and construed in accordance within the laws in force.

7. Miscellaneous

- a) Except in the event of an amalgamation or merger with or takeover by a third party of their business, neither Party may assign or transfer its rights or obligations in this Agreement without the prior written consent of the other.
- b) The Parties do not intend that any agency or partnership relationship be created by them by this Agreement.
- c) All additions or modifications to this Agreement must be made in writing and signed by an authorized representative of each Party.

ACCEPTED AND AGREED

<p>High Commission of India, Male</p> <p>Mr. Hermon N Kujur Head of Chancery E-mail: hoc.male@mea.gov.in Telephone: 00960-7208125</p>	<p>M/s</p> <p>Mr. _____ Designation: _____ E-mail: _____ Telephone: _____</p>
--	--
