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བོལ་གྲ་ཚོང་ལས་དང་ལྷ་གཡོག་རྩན་ལག།

BHUTAN INFORMATION COMMUNICATION AND MEDIA AUTHORITY
MINISTRY OF INDUSTRY, COMMERCE AND EMPLOYMENT



TERMS OF REFERENCE (ToR)

Procurement, Supply, Installation and Commissioning of Equipment for a Mini Movie Theatre

1. Background

The Bhutan InfoComm and Media Authority (BICMA) intends to establish a state-of-the-art mini movie theatre at the National Film Studio in Chubachu to support film screenings, film reviews, training programmes, workshops, industry presentations, and other audio-visual events.

The proposed theatre will provide a professional cinematic environment capable of accommodating small to medium-sized audiences while delivering high-quality visual and immersive surround sound performance.

The theatre room is located within the National Film Studio building and has an approximate floor area of 626.26 square feet.

BICMA hereby invites sealed bids from qualified firms for the supply, installation, testing, commissioning, and integration of a complete mini movie theatre system.

2. Objectives

The objectives of this procurement are to:

- Procure and install a complete professional mini movie theatre system.
- Deliver high-quality cinema-grade projection and immersive audio performance.
- Provide comfortable seating suitable for premium film viewing.
- Ensure that all supplied equipment is fully integrated, tested, commissioned, and ready for operation.
- Provide user training and operational documentation for BICMA officials.

3. Scope of Work

The successful bidder shall be responsible for the complete supply, installation, integration, testing, commissioning, and handover of the mini movie theatre.



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The scope of work shall include, but not be limited to, the following:

3.1 Supply of Equipment

The bidder shall supply all equipment necessary for a complete and operational mini theatre, including:

- Professional laser projection system
- Fixed-frame projection screen
- Professional surround sound system
- AV receiver and audio mixer
- Media playback system
- Cinema seating
- Mounting brackets and support structures
- Electrical accessories
- Signal transmission accessories
- High-speed HDMI cables (HDMI 2.1 or higher)
- Power cables
- Connectors
- Cable management accessories
- Any additional accessories required for complete system integration

All supplied components shall be fully compatible with **4K UHD** content and support current industry standards for high-speed audio and video transmission.

3.2 Installation and Commissioning

The selected bidder shall undertake:

- Complete installation of all supplied equipment.
- Mounting and alignment of the projection system.
- Installation of the projection screen.
- Installation and positioning of speakers and subwoofer.
- Installation of seating.
- Electrical wiring and cable management.
- Configuration and integration of all audio-visual components.
- Calibration of the projection system for optimum image quality.
- Calibration and tuning of the surround sound system for optimum acoustic performance.
- Comprehensive testing and commissioning of the entire system.
- Rectification of any defects identified during commissioning.



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3.3 System Integration Documentation

The bidder shall provide:

- A complete schematic diagram showing the interconnection of all equipment.
- Clearly labelled signal flow diagrams.
- Equipment layout drawings.
- Cable routing diagrams where applicable.
- Operating manuals for all supplied equipment.
- Standard Operating Procedures (SOPs) covering:
 - Daily operation
 - System start-up and shutdown procedures
 - Routine maintenance
 - Troubleshooting of common operational issues
- User training for designated BICMA personnel.

4. Minimum Technical Specifications

Bidders may propose equivalent or superior products that meet or exceed the following minimum specifications.

4.1 Projection System

Projector

- Professional laser projector
- Native 4K UHD resolution or equivalent pixel-shifting technology
- Brightness suitable for a professional indoor cinema environment
- HDR support
- HDMI 2.1 or higher
- Equivalent to or higher than:

Epson Pro Cinema LS12000 4K PRO-UHD Laser Projector

Projection Screen

- Fixed-frame projection screen
- 16:9 aspect ratio
- Approximately 200 inches
- Matte white projection surface



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- Compatible with 4K HDR projection
- Equivalent to or higher than:
- VEVOR 200-inch Fixed Frame Screen
- Klara InfiniteView Series (Slim Frame / Matte White)

4.2 Audio System

The proposed audio solution shall provide immersive cinema-quality sound and include:

Surround Speakers

- Five (5) full-range speakers
- One (1) powered subwoofer

Equivalent to or higher than:

JBL Cinema 610 5.1 Speaker System

AV Receiver

Professional AV Receiver supporting:

- Dolby Atmos
- DTS:X
- HDMI 2.1
- 4K/120 Hz
- HDR10+

Equivalent to or higher than:

Denon AVR-X2800H

Audio Mixer

- Six (6)-channel mixer or higher

Equivalent to or higher than:

Yamaha MG06X



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4.3 Media Playback System

The bidder shall provide a professional media playback system capable of supporting:

- 4K UHD video playback
- HDR content
- Multiple media formats
- HDMI 2.1 output
- USB playback
- Network playback (if applicable)

4.4 Seating

VIP Recliner Seats

- One-seater powered recliner
- Premium upholstery
- Cup holders
- Comfortable viewing angle

Equivalent to or higher than:

Recliners India One Seater Power Recliner Sofa – Silk Grey

Quantity: **6 Nos.**

Cinema Seating

Professional auditorium seating suitable for commercial cinema use.

Equivalent to or higher than:

Pablo Series A10 Auditorium Chair

Quantity: **32 Nos.**

5. Eligibility Criteria

Interested bidders shall:

- Be legally registered firms or authorized suppliers.



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- Have demonstrable experience in supplying professional audio-visual, cinema, or theatre equipment.
- Provide manufacturer authorization or dealership certificates where applicable.
- Demonstrate the capacity to undertake installation, testing, and commissioning.
- Provide after-sales service and technical support within Bhutan or through an authorized regional representative.
- Have successfully completed similar assignments, preferably for cinemas, theatres, conference facilities, or auditoriums.

6. Evaluation Criteria

Bids shall be evaluated separately under the following categories:

- **Item 1:** Projection
- **Item 2:** Audio System
- **Item 3:** Cinema Seating

Evaluation shall be based on:

- Compliance with the minimum technical specifications.
- Submission of complete product catalogues, brochures, and technical data sheets.
- Technical superiority and overall performance.
- Cost-effectiveness and value for money.
- Relevant experience and past performance.
- Warranty period offered.
- Availability of spare parts.
- After-sales service arrangements.
- Delivery schedule.
- Installation methodology.

BICMA reserves the right to accept products with higher specifications where they provide better overall value and remain financially competitive.

7. Site Visit

Interested bidders are strongly encouraged to conduct a site visit to the National Film Studio, Chubachu, prior to submitting their bids.

The site visit will enable bidders to:



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- Assess the room dimensions and existing infrastructure.
- Evaluate acoustic characteristics.
- Determine projection throw distance.
- Assess seating layout.
- Recommend the most suitable projection, sound, and seating configuration.
- Prepare an optimized technical proposal tailored to the facility.

Failure to conduct a site visit shall not disqualify a bidder; however, BICMA shall not be responsible for any incorrect assumptions made by bidders regarding site conditions.

8. Warranty and After-Sales Service

The successful bidder shall provide:

- A minimum one-year comprehensive warranty on all supplied equipment from the date of successful commissioning.
- Technical support during the warranty period.
- Repair or replacement of defective equipment at no additional cost.
- Availability of spare parts and technical assistance beyond the warranty period.

9. Bid Price

The quoted price shall be inclusive of all costs required to complete the project, including but not limited to:

- Supply of equipment
- Transportation
- Insurance
- Installation
- Testing
- Commissioning
- User training
- Documentation
- GST
- Customs duties
- Import taxes
- Any other applicable government levies and charges

No additional payment shall be made for any item necessary for the successful completion of the project that has not been explicitly priced in the bid.



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10. Deliverables

Upon completion of the assignment, the successful bidder shall submit:

- Fully installed and operational mini movie theatre.
- All supplied equipment in good working condition.
- Factory manuals and warranty certificates.
- System schematic and wiring diagrams.
- Standard Operating Procedures (SOPs).
- User training completion report.
- Commissioning and acceptance test report.
- Inventory list of all supplied equipment and accessories.