

05.High Definition Hand-held Broadcast Camcorder –(03 Nos.)

| No. 05 | Camcorder Description | Requested Specification | Compliance (Yes/No) | Corroboration Reference |
|---------------|--|---|----------------------------|--------------------------------|
| 1.0 | Camera Section | | | |
| 1.1 | Image Sensor Size | 1/3” CMOS or Larger | | |
| 1.2 | Number of Image sensors | 3 | | |
| 1.3 | Image Sensor Pixel Count | Native 3840 (H) x 2160 (V) pixels | | |
| 1.4 | Optical System | F1.6 Prism System | | |
| 1.5 | HDR Support | Hybrid Log Gamma (HLG) | | |
| 1.6 | Face Detection | Advanced Face Detection AF | | |
| 1.7 | Built-in ND Filters | Clear, 1/4 ~ 1/64or better | | |
| 1.8 | ND Filter Type 1 | Linear Variable Electronic ND | | |
| 1.9 | Sensitivity @ 2000 lx, 89.9% reflectance | F12 (Typical)@ 50p modeor better | | |
| 1.10 | Minimum Illumination | 0.02lx (Typical) or better | | |
| 1.11 | Horizontal Resolution | 2,000 TV lines or more | | |
| 1.12 | Shutter Speed | 1/24 Sec~ 1/8,000 Sec | | |
| 1.13 | Slow Shutter(Frame Accumulation) | 2,3,4,5,6,7,8,16 or more | | |
| 1.14 | Max Frame Rate @ 3840x2160p | 60 Progressive FPS or Higher | | |
| 1.15 | Min Frame Rate @ 3840x2160p | 1 Progressive Frame per Second | | |
| 1.16 | Max Frame Rate @ 1920x1080p | 60 Progressive FPS or Higher | | |
| 1.17 | Min Frame Rate @ 1920x1080p | 1 Progressive Frame per Second | | |
| 1.18 | White Balance | Preset (3200K), A, B/Auto | | |
| 2.0 | Monitoring Specifications | | | |
| 2.1 | View Finder Size | 1.0 cmColour or Larger | | |
| 2.2 | View Finder Pixel Count | 2.36M Dots or Higher | | |
| 2.3 | LCD Screen | 8.8cm Colour or Larger | | |
| 2.4 | LCD Screen Pixel Count | 1.56M Dots or Higher | | |
| 2.5 | LCD Screen Aspect Ratio | 16:9 | | |
| 3.0 | Input/ Output Specifications | | | |
| 3.1 | Audio Input Type | 2 Nos. XLR-Type 3-pin Female with +48V Selectable Phantom Power | | |
| 3.2 | Headphone Output | 1 No. Stereo Mini Jack | | |

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|------------|----------------------------|---|--|--|
| 3.3 | Speaker Output | 500mW or Higher | | |
| 3.4 | HDMI Output | 1 No. Type A HDMI Connector | | |
| 3.5 | 3G-SDI Output | 1 No. BNC Connector | | |
| 3.6 | USB Port 1 | 1 No. Multi/Micro USB | | |
| 3.7 | USP Port 2 | 1 No. Type A USB 3.0 | | |
| 3.8 | USB Port 3 | 1 No. Type A USB 2.0 | | |
| 3.9 | Time-Code Input Output | 1 No. BNC Connector | | |
| 3.10 | Remote Control Connector | 1 No. Stereo Mini Jack ø2.5 mm | | |
| 3.11 | Direct Current Input | 1 No. DC Jack | | |
| 3.12 | Wired LAN | RJ-45 1000BASE-T | | |
| 3.13 | Wi-Fi/NFC Frequency Band | 2.4GHz and 5.2GHz | | |
| 3.14 | Interface Shoe | 1 No. Active Hot Shoe capable of providing cable-free power and connectivity to lights, microphone receivers and other accessories. | | |
| 4.0 | Built-In Microphone | | | |
| 4.1 | Built-In Microphone | Omni Directional Stereo Electret Condenser | | |

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| 5.0 | Media Specifications and Features | | | |
| 5.1 | Slot 1 | SD or MS/SD | | |
| 5.2 | Slot 2 | SD or better | | |
| 5.3 | Simultaneous Recording | Simultaneously Record to 2 Media Cards | | |
| 5.4 | Relay Recording | Automatically switch recording from the first to the second memory card when the first one is full. | | |
| 5.5 | Independent Media Recording | Start/Stop Button on Grip Records to Media 1. The Start/Stop Button on the Top Handle Records to Media 2. | | |
| 6.0 | Lens Section | | | |
| 6.1 | Lens Mount | Fixed | | |
| 6.2 | Zoom Ratio | Optical 25x | | |
| 6.3 | Zoom Type 1 | Servo via Grip Zoom Rocker | | |
| 6.4 | Zoom Type 2 | Servo via Top Handle Zoom Rocker | | |
| 6.5 | Zoom Type 3 | Manual Via Dedicated Lens Zoom Ring with End-Stop | | |

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| 6.6 | Focal Length - Wide Angle | 28.8mm or Lower (35mm Format Equivalent) | | |
| 6.7 | Focal Length - Telephoto | 720mm or Higher (35mm Format Equivalent) | | |
| 6.8 | Iris Max Open | F1.6 or Lower F-Number | | |
| 6.9 | Iris Min Open | F11 or Higher F-Number | | |
| 6.10 | Iris Close | C (Close) | | |
| 6.11 | Focus Type 1 | Autofocus | | |
| 6.12 | Focus type 2 | Manual Focus via Dedicated Lens Focus Ring | | |
| 6.13 | Focus Range - Wide Angle | 10mm to Infinity | | |
| 6.14 | Focus Range - Telephoto | 800mm to Infinity | | |
| 6.15 | Image Stabilizer Type | Optical Shift Lens (On/Off) | | |
| 6.16 | Filter Diameter | M82 mm, pitch 0.75mm | | |
| 7.0 | Recording Formats | | | |
| 7.1 | UHD Video Format | VBR Bitrate 150Mbps, MPEG-4 H.264/AVC | | |
| 7.2 | Full-HD Video Format | VBR Bitrate 50Mbps, MPEG-4 H.264/AVC | | |
| 7.3 | SD Video Format | CBR Bitrate 25Mbps DV/DVCAM | | |
| 7.4 | Audio Recording Format 1 | Linear Pulse Code Modulation | | |
| 7.5 | Audio Recording Bitrate | 24-bit, 48kHz, 4 Channel | | |
| 8.0 | General Specifications | | | |
| 8.1 | Suitability | Compliant with TV Broadcast Specifications | | |
| 8.2 | Chroma Subsampling Ratio | 4:2:2 or Better | | |
| 8.3 | Image Sampling | 10-bit | | |
| 8.4 | Mass (Body) | 2.5 kg or Less for Body | | |
| 8.5 | Mass (Kit) | 3.0 kg or Less for Body, Hood, Battery, Media and Eyecup | | |
| 8.6 | Power Requirement - AC Adaptor | DC 12 V or Less | | |
| 8.7 | Power Requirement - Battery | DC 14.4 V or Less | | |
| 8.8 | Power Consumption with EVF | 22W or Less | | |
| 8.9 | Power Consumption with LCD Screen | 29W or Less | | |
| 8.10 | Operating Temperature | 0°C to 40°C | | |
| 8.11 | Storage Temperature | -20°C to +60°C | | |
| 9.0 | Standard Accessories in Supply | | | |
| 9.1 | Lens Hood | 1 No. Pre-Installed Lens Cover | | |
| 9.2 | Eyecup | 1 No. EVF Eyecup | | |
| 9.3 | USB Cable | 1 No. USB Cable | | |
| 9.4 | CD-ROM | 1 No. CD-ROM with Operating Instructions | | |

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| 9.5 | AC Adaptor / Battery Charger | 1 No. AC Adaptor / Battery Charger | | |
| 9.6 | Battery Pack | 1 No. Battery Pack | | |
| 9.7 | AC Cable | 1 Nos. AC Cable | | |
| 9.8 | Warranty Booklet | 1 No. Warranty Booklet | | |
| 10.0 | Optional Accessories – Quote for Each Item Separately | | | |
| 10.1 | Spare Battery | 1 Nos. 85Wh Spare Battery (Original) | | |
| 10.2 | Media | 2 Nos. 64GB SDXC Media suitable to record the Camcorder's footage at the Highest Quality Setting. | | |
| 10.3 | Media Redder | 02 Nos. | | |
| 11.0 | Make, Model & Training | | | |
| 11.1 | Make | | | |
| 11.2 | Model | | | |
| 11.3 | Method of Training provide | | | |
| 12.0 | General Conditions | | | |
| 12.1 | Country of Manufacture should be Mentioned | | | |
| 12.2 | Should be provide at least 3 year comprehensive warranty. | | | |
| 12.3 | Service Level Agreement (SLA) after warranty period should be mentioned separately for 4 th , 5 th , 6 th , 7 th , 8 th years (five years) payable annually. | | | |
| 12.4 | Any failure within warranty period should be attended to free of charge. | | | |
| 12.5 | The Bidder shall submit a letter of authorization from the original Manufacturer/s to bid for this tender. | | | |
| 12.6 | Local Supplier/Agent should have the capacity and professional expertise locally to promptly attend to after sales services in case of failure and must produce a letter of certification from manufacturer. | | | |
| 12.7 | Quotations should be submitted with the Supporting Technical literature /diagrams /catalogues. | | | |
| 12.8 | Spares must be available for a minimum period of 05 years from the date of purchase. | | | |
| 12.9 | Software updates and/or modifications, if applicable, shall be available free of charge electronically from the manufacturer's web site or via email or through the local supplier on CD/DVD. (Details to be specified). | | | |
| 12.10 | A duly completed point by point compliance statement in respect of all the features & specifications laid down in these documents should be enclosed along with the offer. | | | |
| 12.11 | Maintenance and operational training should be carried out by the bidder with the experience and knowledgeable trainer with relevant to the system for Department of Government Information's Film Unit Technical staff. | | | |

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| 12.1 2 | Bidder's failure to provide the Information requested in the relevant columns may be a reason for the rejection of the bid. | | |
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Sample Document

06. ENG Video Tripod System with Fluid Head and Accessories – (03 Nos.)

| No. 06 | ENG Video Tripod System Specifications | Requirements | Response Yes/No | Corroboration Reference |
|---------------------------|--|--|--------------------|-------------------------|
| 01 | Purpose | Tripod system for ENG video applications | | |
| 02 | Head Type | Pan & Tilt fluid head | | |
| 03 | Head Payload | 10kg or more | | |
| 04 | Head Weight | 1.5kg or less | | |
| 05 | Pan, Tilt, Drag | Fixed drag position | | |
| 06 | Pan/Tilt Lock | Positive lock caliper brake system | | |
| 07 | Tilt Range | + 90° / -75° | | |
| 08 | Pan Range | 360° | | |
| 09 | Camera Platform | Sliding camera plate | | |
| 10 | Sliding Range (Head) | 60mm or more | | |
| 11 | Mounting Base (Head) | Ø75 mm | | |
| 12 | Mount Levelling (Head) | Ball levelling | | |
| 13 | Levelling Assistance (Head) | Spirit level | | |
| 14 | Counterbalance (Head) | 2 or more selectable positions | | |
| 15 | Height Above Bowl (Head) | 135mm or more | | |
| 16 | Pan Handle | One or more | | |
| 17 | Head Material | Die-cast alloy and composite polymers. | | |
| 18 | Head Sealing | Dust and water resistant | | |
| 19 | Head Finish | Anti-corrosive treatment | | |
| 20 | Tripod Legs Payload | 25kg or more | | |
| 21 | Tripod Legs Weight | 3kg or less | | |
| 22 | Bowl Diameter (Legs) | 75 mm | | |
| 23 | Minimum Height (Legs) | 400mm or less | | |
| 24 | Maximum Height (Legs) | 1,550mm or more | | |
| 25 | Transport Length (Legs) | 700mm or less | | |
| 26 | Leg Extension | 2-stage | | |
| 27 | Leg Lock Type | Toggle leg clamping system | | |
| 28 | Leg Material | Anodized alloy tubing | | |
| 29 | Feet | Rubber feet | | |
| 30 | Spreader | Mid-Level | | |
| 31 | Transport Securing (Legs) | Flip out clips for transport | | |
| 32 | System Carrying Case | Soft carrying case | | |
| 33 | Operating Temperature | -40° to +65°C | | |
| General Conditions | | | | |
| 34 | Country of Manufacture should be Mentioned | | | |

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| 35 | Should be provide at least 3 year comprehensive warranty. | | |
| 36 | Any failure within warranty period should be attended to free of charge. | | |
| 37 | Local Supplier/Agent should have the capacity and professional expertise locally to promptly attend to after sales services in case of failure and must produce a letter of certification from manufacturer. | | |
| 38 | Quotations should be submitted with the Supporting Technical literature /diagrams /catalogues. | | |
| 39 | Spares must be available for a minimum period of 05 years from the date of purchase. | | |
| 40 | Software updates and/or modifications, if applicable, shall be available free of charge electronically from the manufacturer's web site or via email or through the local supplier on CD/DVD. (Details to be specified). | | |
| 41 | A duly completed point by point compliance statement in respect of all the features & specifications laid down in these documents should be enclosed along with the offer. | | |
| 42 | Maintenance and operational training should be carried out by the bidder with the experience and knowledgeable trainer with relevant to the system for Department of Government Information's Film Unit Technical staff. | | |
| 43 | Bidder's failure to provide the Information requested in the relevant columns may be a reason for the rejection of the bid. | | |

07. Video Field Monitor with the Accessories – (01 No.)

| Item No.07 | Minimum Technical Specifications of the Video Field Monitor with the Accessories | | Bidder's Response (Yes/No) | Any Remarks |
|-----------------------|--|---|----------------------------|-------------|
| Features | | | | |
| 01 | Peaking for Focus | | | |
| 02 | False Colour for Exposure | | | |
| 03 | Waveform Monitor | | | |
| 04 | Vector scope | | | |
| 05 | RGB Parade | | | |
| 06 | Audio Meter | | | |
| Technical Data | | | | |
| 01 | Type | HD Field Monitor capable of operating on AC power as well as batteries. | | |
| 02 | Panel Size | 9" Panel | | |
| 03 | Viewable Panel Area | 8.9" | | |
| 04 | Panel Resolution | 1920 x 1200 or higher | | |
| 05 | Aspect Ratio | 16:10 | | |
| 06 | Pixels Per Inch | 250 or higher | | |
| 07 | Pixel Pitch | 0.09975 x 0.09975 mm or lower | | |
| 08 | Brightness | 450 cd/m ² or higher | | |
| 09 | Contrast Ratio | 900:1 or higher | | |
| 10 | Response Time | 16ms or lower | | |
| 11 | Viewing Angle | 170° horizontal/170° vertical or higher | | |
| 12 | Panel Technology | In-Plane Switching (IPS) | | |
| 13 | Chassis Material | Durable Aluminium | | |
| 14 | Screen Protection | Gorilla Glass | | |
| 15 | Weight | 1.6kg or lower | | |
| 16 | Operating Temperature | 0°C ~ 50°C | | |
| 17 | Signal Input | 3G-SDI | | |
| 18 | | HD-SDI | | |
| 19 | | SD-SDI | | |
| 20 | | HDMI | | |
| 21 | | Component | | |
| 22 | | Composite | | |
| 23 | Signal Output | 3G-SDI | | |
| 24 | | HD-SDI | | |
| 25 | | SD-SDI | | |
| 26 | | HDMI | | |
| 27 | | Component | | |
| 28 | | Composite | | |
| 29 | Supported Video Signals | 2048x1080 24p, 25p | | |
| 30 | | 1920x1080 50p | | |
| 31 | | 1920x1080 50i | | |
| 32 | | 1920x1080 25p | | |
| 33 | | 720x576 50i | | |
| 34 | Accessories to Include | 1 No. AC Power Adaptor | | |

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|----|--|--|--|--|
| 35 | | 1 No. Table Stand | | |
| 36 | | 1 No. Sun Hood | | |
| 37 | | 2 Nos. Batteries (6,300 mAh or higher) | | |
| 38 | | 1 No. Dual Battery Charger | | |

| Terms and General Conditions | | | | |
|-------------------------------------|--|---|--|--|
| 39. | | Should be provide at least 3 year comprehensive warranty | | |
| 40. | | The bidder shall supply the original printed version of the User Manual (English) | | |
| 41. | | The bidder shall submit a letter from the Distributor /Agent stating the capability authorization for the sale and support of the quoted product. | | |
| 42. | | Local Supplier/Agent shall have the capacity and professional expertise locally to attend to after sales service in case of emergencies. | | |
| 43. | | Detailed original catalogues and supporting documents should be supplied with the quotation to confirm the requested technical specifications indicating cross reference to each item in the compilation chart. | | |
| 44. | | A duly completed point by point compliance statement in respect of all the features & specifications laid down in these documents should be enclosed along with the offer. | | |
| 45. | | Installation, configuration and commissioning of the entire system should carried out by the bidder with accordance with Department of Government Information. | | |
| 46. | | Bidder's failure to provide the Information requested in the relevant columns may be a reason for the rejection of the bid. | | |

08. Clip on lavalier microphone With the Accessories – 03 Nos.

| NO | Minimum Technical Specifications of the Clip on lavalier microphone | Bidder's Response (Yes/No) | Any Remarks |
|-----------|--|---|--------------------|
| 01. | Pick-up pattern | Omni-directional | |
| 02. | Transducer principle | Pre-polarized condenser | |
| 03. | Frequency response | 20 – 20,000 Hz ± 3 dB | |
| 04. | Sensitivity(free field, no load) (1 kHz) | 10 mV/Pa ± 2.5 dB | |
| 05. | Nominal impedance | 200 Ω | |
| 06. | Min. terminating impedance | 1 kΩ | |
| 07. | Equivalent noise level A-weighted (DIN IEC 651) | 28 dB | |
| 08. | Equivalent noise level CCIR-weighted (CCIR 468-3) | 39 dB | |
| 09. | Max. SPL (1 kHz) | 130 dB (THD = 1 %) | |
| 10. | Power supply | phantom 12 – 48 V (± 4 V) | |
| 11. | Supply current | 2.6 mA | |
| 12. | Connector | 3-pin XLR with integral phantom power adaptor | |
| 13. | Cable length | 1.5 m or more | |
| 14. | Dimensions of the Microphone | ≤ Ø 4.8 mm | |
| 15. | Microphone should have Flat frequency response | | |
| 16. | Microphone contain with Multi-Position Tie Clip, microphone windshield and carrying case | | |
| 17. | Microphone should directly connected to its XLR integral phantom power adaptor | | |

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| Clip on lavalier microphone <u>Brand</u> (Should be Specify) | |
| Clip on lavalier microphone <u>Model</u> (Should be Specify) | |
| Clip on lavalier microphone <u>Country of Origin</u> (Should be Specify) | |
| Clip on lavalier microphone <u>Country of Manufacture</u> (Should be Specify) | |
| Clip on lavalier microphone <u>Year of Manufacture</u> (Should be Specify) | |

| Terms and General Conditions | | | |
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| 18. | Should be provide at least 3 year comprehensive warranty | | |
| 19. | The bidder shall supply the original printed version of the User Manual (English) | | |
| 20. | The bidder shall submit a letter from the Distributor /Agent stating the capability authorization for the sale and support of the quoted product. | | |

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| 21. | Local Supplier/Agent shall have the capacity and professional expertise locally to attend to after sales service in case of emergencies. | | |
| 22. | Detailed original catalogues and supporting documents should be supplied with the quotation to confirm the requested technical specifications indicating cross reference to each item in the compilation chart. | | |
| 23. | A duly completed point by point compliance statement in respect of all the features & specifications laid down in these documents should be enclosed along with the offer. | | |
| 24. | Bidder's failure to provide the Information requested in the relevant columns may be a reason for the rejection of the bid. | | |

Sample Document

09. Dynamic Handheld Microphone with Accessories – 03 Nos.

| No. 09 | Technical Specifications / Features | | Compliance (Yes/No) or Specify | Remarks (If Any) |
|-------------------|--|-----------------------------------|---|-----------------------------|
| 1. | Pick-up Pattern | Cardioid | | |
| 2. | Frequency Response | 30 to 18,000 Hz or Better | | |
| 3. | Sensitivity at 1kHz | 2 mV/Pa (-54dBV) or Better | | |
| 4. | Wind Noise Level | < 50dB SPL | | |
| 5. | Terminating impedance | ≤600 Ohms | | |
| 6. | Output Connector | 3-pin XLR Male - type | | |
| 7. | Accessories | Windscreen - for each unit | | |
| | | Stand Adaptor – for each unit | | |
| | | Carrying case – for each unit | | |
| | | Any other recommended accessories | | |

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| Dynamic Handheld Microphone_ Brand (Should be Specify) | |
| Dynamic Handheld Microphone_ Model (Should be Specify) | |
| Dynamic Handheld Microphone_ Country of Origin (Should be Specify) | |
| Dynamic Handheld Microphone_ Country of Manufacture (Should be Specify) | |
| Dynamic Handheld Microphone_ Year of Manufacture (Should be Specify) | |

| Terms and General Conditions | | | | |
|-------------------------------------|---|--|--|--|
| 08. | Should be provide at least 3 year comprehensive warranty | | | |
| 09. | The bidder shall supply the original printed version of the User Manual (English) | | | |
| 10. | Spares must be available. | | | |
| 11. | The bidder shall submit a letter from the Distributor /Agent stating the capability authorization for the sale and support of the quoted product. | | | |
| 12. | Local Supplier/Agent shall have the capacity and professional expertise locally to attend to after sales service in case of emergencies. | | | |
| 13. | Detailed original catalogues and supporting documents should be supplied with the quotation to confirm the requested technical specifications indicating cross reference to each item in the compilation chart. | | | |
| 14. | A duly completed point by point compliance statement in respect of all the features & specifications laid down in these documents should be enclosed along with the offer. | | | |
| 15. | Bidder's failure to provide the Information requested in the relevant columns may be a reason for the rejection of the bid. | | | |

Sample Document

10. Professional Headphone with the Accessories -06 Nos.

| NO. <u>10</u> | Minimum Technical Specifications & Features of the Professional Headphone with the Accessories | | Bidder's Respon se (Yes/No) | Any Remark s |
|--------------------------|---|--|--|-----------------------------|
| Features | | | | |
| 01. | Self-adjusting headband ensuring superior wearing comfort | | | |
| 02. | Lightweight | | | |
| 03. | Accurate, linear reproduction | | | |
| 04. | Very good attenuation of background noise | | | |
| 05. | Type | Circum-aural closed-back dynamic Stereo headphones (Approx. 40 mm dia.) | | |
| 06. | Frequency Response | 8 to 28,000 Hz | | |
| 07. | Nominal impedance | ≤ 70 ohms at 1 kHz | | |
| 08. | Sensitivity | ≥ 100 dB SPL/mW | | |
| 09. | Power handling capability | ≥ 1000mW | | |
| 10. | Connector | 3.5 mm Φ Stereo Mini jack / Standard Jack (with mini to 1/4" adapter jack) | | |
| 11. | Cable Length | 1.5 m or more | | |
| 12. | Accessories | Carrying Case | | |
| 13. | Any other recommended accessories | | | |

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| Professional Headphone_ Brand (Should be Specify) | |
| Professional Headphone_ Model (Should be Specify) | |
| Professional Headphone_ Country of Origin (Should be Specify) | |
| Professional Headphone_ Country of Manufacture (Should be Specify) | |
| Professional Headphone_ Year of Manufacture (Should be Specify) | |

| Terms and General Conditions | | | | |
|-------------------------------------|---|--|--|--|
| 14. | Should be provide at least 3 year comprehensive warranty | | | |
| 15. | The bidder shall supply the original printed version of the User Manual (English) | | | |
| 16. | Spares must be available. | | | |
| 17. | The bidder shall submit a letter from the Distributor /Agent stating the capability authorization for the sale and support of the quoted product. | | | |
| 18. | Local Supplier/Agent shall have the capacity and professional expertise locally to attend to after sales service in case of emergencies. | | | |
| 19. | Detailed original catalogues and supporting documents should be supplied with the quotation to confirm the requested technical specifications indicating cross reference to each item in the compilation chart. | | | |
| 20. | A duly completed point by point compliance statement in respect of all the features & specifications laid down in these documents should be enclosed along with the offer. | | | |

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| 21. | Bidder's failure to provide the Information requested in the relevant columns may be a reason for the rejection of the bid. | | |
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Sample Document

11. Active Audio Monitor with Accessories – (01 No.)

| No 11 | Minimum Technical Specification For The Active Audio Monitor | Compliance (Yes/No) or Specify | Remarks (If Any) |
|-----------------|---|--------------------------------------|---------------------|
| Features | | | |
| 01. | High Performance bi-amplified design. | | |
| 02. | Titanium composite high-frequency transducer. | | |
| 03. | Linear Spatial Reference technology ensures neutral off-axis response for greater clarity at the mix position. | | |
| 04. | User-selectable Boundary Compensation restores accurate response when speaker is positioned near a wall or on a work surface. | | |
| 05. | Front Panel Volume and Power Controls. | | |
| 06. | Integrated mounting points. | | |
| 07. | Magnetic shielding minimizes interference when used in close proximity to CRT monitors. | | |
| 08. | Shielded for use next to Video Monitors. | | |
| 09. | Die cast aluminum enclosure provides high inertial ground for optimum transducer performance and low resonance. | | |
| System | | | |
| 01. | Signal Input | XLR, Balanced RCA, unbalanced | |
| 02. | Frequency Response (+1, -2 dB) | 70 Hz - 20 kHz | |
| 03. | Enclosure resonance frequency | 55 Hz | |
| 04. | Low Frequency Extension @ -3 dB -6 dB -10 dB | 65 Hz 56 Hz 48 Hz | |
| 05. | Low - High Frequency Crossover | 2.3 kHz | |
| 06. | Distortion, 96 dB SPL @ 1 m Mid-High Frequency (150 Hz - 20 kHz) 2 nd Harmonic <0.5% 3 rd Harmonic <0.5% Low Frequency (<150 Hz): 2 nd Harmonic <2% 3 rd Harmonic <3% | | |
| 07. | Maximum SPL (90 Hz - 20 kHz) | >106 dB SPL / 1m | |
| 08. | Maximum Peak SPL (90 Hz - 20 kHz) | >109 dB SPL / 1m | |
| 09. | Input Sensitivity in XLR @ +4 dBu RCA @ -10 dBV | 96 dB SPL / 1 m 96 dB SPL / 1 m | |
| 10. | Self Generated Noise Leve | <10 dBA / 1 m | |
| 11. | Maximum System Power | 110 watts | |
| 12. | AC Input Voltage | 230VAC ± 10% ,50Hz | |

| User Controls | | | | |
|----------------------|---|--|--|--|
| 01. | High Frequency Control (3 kHz - 20 kHz) | +1.5 dB, 0 dB, -1.5 dB | | |
| 02. | Workstation Boundry Compensation | Active or Bypass | | |
| 03. | Low Frequency Acoustic Alignment | 36 dB/Octave bi-pass at 40 Hz 36 dB/Octave hi-pass at 80 Hz | | |
| 04. | Variable Input Attenuation | 0 - 26 dB | | |
| Transducers | | | | |
| 01. | Low Frequency Diameter | 134 mm | | |
| 02. | Voice Coil | 38 mm | | |
| 03. | Magnet Type | Ferrite with Integral Shielding | | |
| 04. | Cone Type | Tempered Paper with Butyl Rubber Compliance | | |
| 05. | Nominal Impedance of Low Frequency | 8 Ω | | |
| 06. | High Frequency Diameter | 25 mm | | |
| 07. | Voice Coil | 25 mm | | |
| 08. | Magnet Type | Ferrite with Integral Shielding | | |
| 09. | Diaphragm Type | Damped Titanium Composite | | |
| 10. | Nominal Impedance of Hi Frequency | 4 Ω | | |
| Amplifier | | | | |
| 01. | Low Frequency Topology | Bridged Class A-B Monolithic | | |
| 02. | Low Frequency Sine Wave Power Rating | 100 watts (<0.1% THD into rated impedance) | | |
| 03. | Low Frequency @ THD+N, 1/2 Power | <0.05% | | |
| 04. | High Frequency Topology | Class A-B, Monolithic | | |
| 05. | High Frequency Sine Wave Power Rating | 50 watts (<0.1% THD into rated impedance) | | |
| 06. | High Frequency THD + N @ 1/2 Power | <0.05% | | |
| Physical | | | | |
| 01. | Low Frequency Vent | Dual Linear Dynamic Aperture | | |
| 02. | Baffle Construction | Diecast Aluminum | | |
| 03. | Cabinet Construction | Diecast Aluminum | | |
| 04. | Dimensions (WxHxD) | 17.3 x 26.9 x 24.1 cm | | |

| | |
|---|--|
| Audio Monitor Brand (Should be Specify) | |
| Audio Monitor Model (Should be Specify) | |

| | |
|--|--|
| Audio Monitor_Country of Origin (Should be Specify) | |
| Audio Monitor_Country of Manufacture (Should be Specify) | |
| Audio Monitor_Year of Manufacture (Should be Specify) | |

| Terms and General Conditions | | | |
|-------------------------------------|---|--|--|
| 08. | Should be provide at least 3 year comprehensive warranty | | |
| 09. | The bidder shall supply the original printed version of the User Manual (English) | | |
| 10. | Spares must be available. | | |
| 11. | The bidder shall submit a letter from the Distributor /Agent stating the capability authorization for the sale and support of the quoted product. | | |
| 12. | Local Supplier/Agent shall have the capacity and professional expertise locally to attend to after sales service in case of emergencies. | | |
| 13. | Detailed original catalogues and supporting documents should be supplied with the quotation to confirm the requested technical specifications indicating cross reference to each item in the compilation chart. | | |
| 14. | A duly completed point by point compliance statement in respect of all the features & specifications laid down in these documents should be enclosed along with the offer. | | |
| 15. | Bidder's failure to provide the Information requested in the relevant columns may be a reason for the rejection of the bid. | | |

12. 6 Channel Audio Mixer with Accessories – (01 No.)

| No 12 | Minimum Technical Specification For The Audio Mixer | Bidder's Response (Yes/No) | Any Remarks |
|----------------------|---|----------------------------|-------------|
| Features | | | |
| 01. | 6 mono & 2 stereo input channels audio mixing | | |
| 02. | All microphone inputs shall be on balanced XLR connectors & line inputs shall be on balanced ¼" TRS | | |
| 03. | Program balanced outputs on XLR connectors | | |
| 04. | TRS insert sockets and inserts on all mono inputs and mix output | | |
| 05. | 48V phantom power supply on all mono channel | | |
| 06. | Head Amp Gain, Pan on each input channel | | |
| 07. | Headphone monitoring with level control | | |
| 08. | 3 band EQ meter (HIGH, MID and LOW) | | |
| 09. | Full length 100mm dust protected faders | | |
| 10. | Physically ON/OFF, Prefader switch provided for each channel | | |
| 11. | Two or more auxiliary send. (Auxiliary send should be after fader and pre fader control) | | |
| Specification | | | |
| 01. | Mic/Line input to any output Frequency Response | 20Hz to 20kHz +/-0.5dB | |
| 02. | T.H.D. @ Mic Sensitivity -30dBu, +14dBu @ Mix output | < 0.02% @ 1kHz | |
| 03. | Equivalent Input Noise in mic input (maximum gain) | -127dBu (150Ω source) | |
| 04. | Noise in Aux, Mix and Masters (@ 0dB, faders down) | < -85dBu | |
| 05. | Crosstalk (@ 1kHz) @ Channel Mute | > 96dB | |
| 06. | Crosstalk (@ 1kHz) @ Aux Send Pots Offness | > 86dB | |
| 07. | Mic Input Levels | +15dBu max | |
| 08. | Line Input Levels | +30dBu max | |
| 09. | Stereo Input Levels | +30dBu max | |
| 10. | Mix Output Levels | +20dBu max | |
| 11. | Headphones (@150Ω) Levels | 300mW | |
| 12. | Mic Input Impedances | 2kΩ | |
| 13. | Line Input Impedances | 10kΩ | |
| 14. | Stereo Input Impedances | 65kΩ(stereo), 35kΩ (mono) | |

| | | | | |
|-----|--------------------|---|--|--|
| 15. | Outputs Impedances | 150Ω (balanced), 75Ω (unbalanced) | | |
| 16. | Metering | 2-segment LED bar graphs for Mix L&R outputs | | |
| 17. | Power Consumption | Less than 35W | | |
| 18. | Power | 230VAC ± 10% ,50Hz | | |

| EQ (Mono inputs) | | | | |
|--------------------|----|-------------------------|--|--|
| 01. | HF | 12kHz, +/-15dB | | |
| 02. | MF | 150Hz – 3.5kHz, +/-15dB | | |
| 03. | LF | 80Hz, +/-15dB | | |
| EQ (Stereo inputs) | | | | |
| 01. | HF | 12kHz, +/-15dB | | |
| 02. | LF | 80Hz, +/-15dB | | |

| | |
|--|--|
| Audio Mixer Brand (Should be Specify) | |
| Audio Mixer Model (Should be Specify) | |
| Audio Mixer Country of Origin (Should be Specify) | |
| Audio Mixer Country of Manufacture (Should be Specify) | |
| Audio Mixer Year of Manufacture (Should be Specify) | |

| Terms and General Conditions | | | | | |
|------------------------------|---|--|--|--|--|
| 08. | Should be provide at least 3 year comprehensive warranty | | | | |
| 09. | The bidder shall supply the original printed version of the User Manual (English) | | | | |
| 10. | Spares must be available. | | | | |
| 11. | The bidder shall submit a letter from the Distributor /Agent stating the capability authorization for the sale and support of the quoted product. | | | | |
| 12. | Local Supplier/Agent shall have the capacity and professional expertise locally to attend to after sales service in case of emergencies. | | | | |
| 13. | Detailed original catalogues and supporting documents should be supplied with the quotation to confirm the requested technical specifications indicating cross reference to each item in the compilation chart. | | | | |
| 14. | A duly completed point by point compliance statement in respect of all the features & specifications laid down in these documents should be enclosed along with the offer. | | | | |
| 15. | Bidder's failure to provide the Information requested in the relevant columns may be a reason for the rejection of the bid. | | | | |

Sample Document