

TENDERER'S NAME:

CLOSING DATE: **FRIDAY, 03RD MARCH 2023 BY 14:30**

PLACE: THE MANAGER
MTC PROCUREMENT
CORNER OF MOSE TJITENDERO & HAMUTENYA WANEHEPO NDADI
STREET, OLYMPIA
MOBILE TELECOMMUNICATIONS LIMITED (MTC) HEAD QUARTERS
WINDHOEK



TENDER NO: MTC01/23/O

**REQUEST FOR SUPPLY AND DELIVERY OF AUDIO AND VISUAL EQUIPMENT FOR
MOBILE TELECOMMUNICATIONS LIMITED (MTC)**

MOBILE TELECOMMUNICATIONS LIMITED (MTC)
EFFAISHE NGHIIDIPAA
MANAGER PROCUREMENT
WINDHOEK
CNR MOSE TJITENDERO & HAMUTENYA WANEHEPO NDADI STREET
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|---|-----------|
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A. CONDITIONS OF TENDER

INVITATION TO TENDER

A.1.1 MTC hereby invites offers:

| | |
|------------------------------|---|
| CLIENT: | MOBILE TELECOMMUNICATIONS LIMITED (MTC) |
| TENDER DESCRIPTION: | REQUEST FOR SUPPLY AND DELIVERY OF AUDIO AND VISUAL EQUIPMENT FOR MOBILE TELECOMMUNICATIONS LIMITED (MTC) |
| TENDER NUMBER: | MTC01/23/O |
| CLOSING DATE | FRIDAY, 03 rd MARCH 2023 BY 14:30 |
| BRIEFING MEETING | WEDNESDAY, 22 nd FEBRUARY 2023 |
| BRIEFING MEETING LINK | Click here to join the meeting |
| ADDRESS TENDER TO: | MTC Procurement, Manager Procurement |
| | Cnr Mose Tjitendero & Hamutenya Wanehepo Ndadi Street |
| | Olympia |
| | Windhoek, Namibia |
| ALL INQUIRIES: | Yolandie Van Wyk Senior Procurement Executive Tel: +264 61 280 2019 Fax: +264 61 280 2057 Email: tenders@mtc.com.na |

TENDER FORMAT

A.1.2 Tender documents must be in a sealed package as follows:

- A.1.2.1 One (1) hardcopy of Complete offer to be deposited in the tender box at MTC head Office in Olympia.
- A.1.2.2 one (1) scannable electronic format **OF COMPLETE OFFER** to be uploaded on the MTC website.

A.1.3 All documents must clearly be marked:

TENDER NO: MTC01/23/O

“REQUEST FOR SUPPLY AND DELIVERY OF AUDIO AND VISUAL EQUIPMENT FOR MOBILE TELECOMMUNICATIONS LIMITED (MTC)”

A.1.4 ALL TENDER DOCUMENTS MUST BE DEPOSITED INSIDE THE MTC TENDER BOX AT THE RECEPTION OF MTC HEAD OFFICES IN OLYMPIA, MOSE TJITENDERO AND HAMUTENYA WANAHEPO NDADI STREETS.

A.1.5 ALL SOFT COPIES OF COMPLETE OFFER MUST BE UPLOADED ON THE MTC WEBSITE.

DEFINITIONS

A.1.6 In this Tender, unless the context clearly indicates the contrary, the following interpretation will apply to the terms stated below:

A.1.6.1 "MTC" shall mean Mobile Telecommunications Limited

A.1.6.2 "RFP" shall mean Request for Proposal (Tender)

A.1.7 This Request for Proposal is not a contract and does not create an obligation on MTC's part to purchase products / services from any company submitting a proposal. MTC reserves the right to reject any or all proposals in its sole and absolute discretion.

TENDER INVITATION

A.1.8 MTC invites appropriately qualified companies to tender for the supply and delivery of audio and visual equipment for mobile telecommunications limited (MTC) as a once off supply.

A.1.9 This tender document shall consist of the following Appendices:

A.1.9.1 Appendix A, BEE Scorecard: This scorecard is not to be filled out, but to show the various elements that the company should be accredited by the Namibia Preferential Procurement Council (NPPC). The Tenderer is required to approach the Namibia Preferential Procurement Council (NPPC), Telephone number 061 248 007, for accreditation and attach their accreditation certificate to the Tender response.

A.1.9.2 Appendix B, Non-Disclosure Agreement: This Non-Disclosure Agreement is to be completed by the Tenderer.

A.1.9.3 Appendix C – Questions template (excel document).

A.1.9.4 Appendix D - Pricing Schedule – must be fully filled out by the tenderer and submitted in its original format.

GENERAL TENDER CONDITIONS

A.1.10 All Tender Documents must be submitted before or on the closing date and time as indicated on the cover page and be deposited in the tender box at the entrance of MTC Headquarters, Olympia.

A.1.11 No late tenders will be considered.

A.1.12 Every Tender Document page must be initialed.

A.1.13 MTC is neither bound to accept the lowest of any Tender nor to assign any reason for acceptance or rejection of such Tender.

A.1.14 MTC reserves the right to change these dates and any other dates that may appear in this Tender. Such changes will be communicated as soon as they are made.

A.1.15 Notifications to companies will be in writing to the designated liaison person nominated by the firm (refer to paragraph A.1.36 below).

A.1.16 From the submissions an evaluation will be performed highlighting a short list.

A.1.17 If deemed necessary, negotiations may be entered into with the short listed candidates.

A.1.18 Companies that wish to tender should examine this Tender carefully and review all instructions contained herein. Companies should follow the instructions so that MTC can easily evaluate and compare all proposals received.

A.1.19 All prices must be in NAD and exclusive of all taxes.

A.1.20 MTC in its sole and absolute discretion reserves the right to:

A.1.20.1 Reject any or all proposals, whether or not these instructions are followed.

A.1.20.2 Reject any submissions not complying with the specified format.

A.1.20.3 Award the contract based solely on a proposal received without entering into any further discussions.

A.1.20.4 Short list candidates.

A.1.20.5 Not base the final decision solely on price.

A.1.21 No correspondence will be entered into should MTC decide to reject any proposals or to withdraw the Tender.

A.1.22 Each response must include a detailed discussion of each of the items below. Should responses not use the same heading and follow the same numbering as the Tender, MTC may automatically disqualify the company from the tender process.

A.1.23 MTC will make its decision based on the quality of the information contained in the offers received and no opportunity will exist for any company to enhance such information after closing date and time of the Tender.

A.1.24 It is important to clearly note down any assumptions made in the submitted offer so that each submitted offer may be evaluated fairly against all other offers received.

A.1.25 This Tender outlines the requirements of MTC and the process to be followed by the prospective Tenderers in submitting an offer.

A.1.26 Companies should provide a list of previous or current clients they served with similar projects. MTC reserves the right to contact any clients referenced.

- A.1.27 MTC reserves the right to exclude certain persons and legal entities in the event of poor performance; the Tender offering or attempting to offer any bribe, promised a bribe, or any other consideration to any MTC employee involved with this Tender or the tenderer has acted fraudulently and or in bad faith.
- A.1.28 Any restriction imposed upon any such Tenderer shall also apply to any other enterprise under the same or different name with which the person, firm or company is actively associated.
- A.1.29 MTC may accept any Tender in part or wholly with no obligation to explanation whatsoever.
- A.1.30 Tenderer shall be a Juristic Entity with valid Company Registration documents, in terms of the laws of the Republic of Namibia or country of origin. Tenderers who fail to prove that they are a juristic entity shall be disqualified.

GENERAL EVALUATION CRITERIA

- A.1.31 Proposals will be evaluated by MTC using criteria in the Tender and as per the relevant questions asked. These categories are not necessarily listed in order of importance:
- A.1.31.1 Price competitiveness, including any price discount provided in the proposal.
 - A.1.31.2 Project completion schedules and lead times proposed.
 - A.1.31.3 Warrantee conditions and handling of claims.
 - A.1.31.4 Availability of references from other customers and reputation of tenderer.
 - A.1.31.5 Availability of infrastructure for after sales support, both local and international.
 - A.1.31.6 Compliance with local and international standards.
 - A.1.31.7 Certification and accreditations.
 - A.1.31.8 Value added to MTC.
 - A.1.31.9 The financial condition and trading record of the tenderer (Company profile, bank rating of tenderer etc.)
 - A.1.31.10 Tenderer degree of conformance to the Black Economic Empowerment Policy (A certificate from NPPC or any other recognised BEE accreditation agency should be submitted to prove the BEE credential):
 - Alternatively, shareholder names and certificates must be attached.
 - Small and medium enterprises (SME's) must submit their SME certificates issued by the Ministry of Trade and Industry.
- A.1.32 The Tenderer shall ensure that sufficient supporting documentation and information is supplied in his proposal to enable MTC to evaluate the proposal in respect of each of the abovementioned criteria.

- A.1.33 As per the Communications Regulatory Authority of Namibia: Regulations in respect of Type approval and Technical Standards for Telecommunications Equipment, 7azette in the Government Gazette # 5659, General Notice # 22, the tenderer supplying equipment subjected to this regulation must ensure that all documentations required are obtained from the Regulator before importation. Failure to do so may lead to equipment being confiscated by Customs at the supplier's risk, and MTC hereby distances itself from any confiscated equipment.

SUMMARY OF DEADLINES

| ACTION | DUE DATE |
|---------------------------------------|---|
| TENDER DOCUMENTS AVAILABILITY: | Thursday, 17 th February 2023 |
| BRIEFING MEETING | Wednesday, 22 nd February 2023 |
| SUBMISSION OF QUESTIONS: | Thursday, 23 rd February 2023 |
| MTC RESPONSE TO QUESTIONS: | Friday, 24 th February 2023 |
| TENDER CLOSING DATE: | FRIDAY, 03RD MARCH 2023 |

QUESTIONS & ANSWERS

- A.1.34 If required, companies may submit questions via email to the following e-mail address: tenders@mtc.com.na on or before 22nd February 2023. Only questions submitted in the questions template as per Appendix C will responded to.
- A.1.35 All questions and answers thereto will be uploaded on the website by the 24th of February 2023.
- A.1.36 Communication between MTC and prospective companies, for the duration of this Tender, must only be through Ms E. Nghiidipaa @ 061 280 2019 or tenders@mtc.na. No direct communication or contact with any other party at MTC is permissible. Any such breach may disqualify the company.

TENDERER'S DESIGNATED LIASON

- A.1.37 Companies must select a single designated contact person, through whom all communications between MTC and the company will take place:

| | |
|----------------------|--|
| CONTACT NAME: | |
| DESIGNATION: | |
| TELEPHONE: | |
| FAX: | |
| EMAIL: | |
| SIGNATURE: | |

REFERENCE LIST (PREVIOUS COMPLETE PROJECTS)

References: Contact information for five references (if possible) from projects similar in size application, and scope and a brief description of their implementation.

| ITEM | COMPANY NAME | CONTACT PERSON | CONTACT DETAILS | YEAR SERVICE OF |
|------|--------------|----------------|-----------------|-----------------|
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |

SUCCESSFUL TENDERER’S PERFORMANCE MANAGEMENT

A.1.38 The successful Tenderer/s are subjected to annual performance reviews to be completed by the respective MTC representative or Procurement Officer responsible for the purchase. The review will be done at intervals to be decided upon by the Procurement department.

A.1.39 The performance reviews will amongst others cover the following issues:

A.1.39.1 **Reliability:** How reliably do you follow through on your commitments to MTC?

A.1.39.2 **Cost:** How closely did your final total costs correspond to your expectations at the beginning of the transaction?

A.1.39.3 **Order Accuracy:** How well did the product/service delivered matched your order specifications and quantity?

A.1.39.4 **Delivery / Timeliness:** How satisfied is the appraiser about the timeliness of the product/service delivery?

A.1.39.5 **Quality:** How satisfied is the appraiser about the quality of the product/service provided by your company?

A.1.39.6 **Documentation Accuracy:** Does your company present its all and correct documents with its deliveries?

A.1.39.7 **Personnel:** How satisfied is the appraiser about the attitude, courtesy, and professionalism of your company’s staff?

A.1.39.8 **Customer Support:** How satisfied is the appraiser about the customer support she/he received from your company?

A.1.39.9 **Responsiveness:** How responsive is your company to information requests, issues, or problems that arose in the course of the transaction?

DECLARATION OF INTEREST FORM

Any deliberate omission in this declaration or the supplying of false information will be regarded in a serious light and may lead to an investigation and disqualification of the tender process.

| | | | |
|------------------------|--|-----------|--|
| Tenderer Name: | | Tender #: | |
| Description of Tender: | | | |

RELATION TO MTC EMPLOYEES/ MANAGEMENT/ DIRECTORS

I herewith declare that I have/am related – i.e. spouse (also fiancé or boyfriend/ girlfriend), parent, child, any other relation with the following MTC Employee(s)/ Member(s) of Management/ Board of Directors:

*

- _____
- _____
- _____
- _____
- _____
- _____

CONFIRMATION OF FACTUAL INFORMATION

I confirm by signing this declaration that, to the best of my knowledge, the statements made above are factual and accurate and that I have taken note of all the sections. *

| | | |
|------------|------------|-------|
| Full Name: | Signature: | Date: |
|------------|------------|-------|

* Please initial in each box where applicable.

TENDER PRICES

A.1.40 Tender prices shall be quoted in Namibian Dollar, the legal currency in use in the Republic of Namibia.

- A.1.41 No change in the submitted tender price shall be countenanced after receipt and before award of Tender.

VALIDITY OF TENDER AND ACCEPTANCE

- A.1.42 The MTC is not bound to accept the lowest or any Tender nor to give any reason for the rejection of a Tender, nor shall they be responsible for or pay any expenses or losses which may be incurred by the Tenderer in the preparation and delivery of his Tender.
- A.1.43 Tenders remain open for acceptance for a period of ninety (90) days as from the closing date of the Tender.
- A.1.44 MTC reserves the right to ask for extension of the validity without any change in the prices.
- A.1.45 MTC shall not entertain price variations due to any currency fluctuations for the submitted offer during its validity period.
- A.1.46 After submission and before decision, no interviews dealing with the subject shall be answered by MTC. Tenderers may, however, be called upon to clarify aspects of their Tender at the discretion MTC, and supply further information requested and necessary to assess the Tenders.
- A.1.47 The successful Tenderer will be advised by the MTC to this effect by letter through the mail or by telegram or by fax and in such case the Post Office shall be regarded as the agent of the Tenderer and delivery of such acceptance to the Post Office shall be treated as delivery to the Tenderer.
- A.1.48 In the event that the Tenderer submits his proposal together with a technical partner whether local or foreign, MTC reserves the right to require that both the Tenderer and the Technical Partner conclude the Contract.
- A.1.49 The successful Tenderer shall provide at his own expense all the necessary revenue stamps for the Contract as required by Law in Namibia.
- A.1.50 After the signing of the Contract Documents by MTC and the successful Tenderer a duplicate copy shall be handed over to the latter.

- A.1.51 The MTC reserves the right to adjust arithmetical or other errors in the Tender. Any adjustments made to a Tender will be stated to the Tenderer prior to the acceptance of the Tender.

AMENDMENT OF TENDER DOCUMENTS

- A.1.52 At any time prior to the last date of submission for offers, MTC may, for any reason, whether at its own initiative or in response to a clarification requested by a Tenderer, modify the documents by amendment.
- A.1.53 The amendment shall be notified to all the prospective Tenderers in writing and these shall be binding on them.
- A.1.54 MTC may extend the last date of submission required as a result of such amendment.

DETAILS CONFIDENTIAL

- A.1.55 Tenderers shall treat all aspects pertaining to this tender as confidential and shall not disclose details to third parties except for bona fide tendering purposes.

LEGAL ASPECTS

- A.1.56 Unless in special cases the MTC agrees to the contrary, the laws of the Republic of Namibia shall be applicable to each contract created by the acceptance of a tender and each Tenderer shall indicate a place in Namibia and specify it in his tender as his domicilium citandi et-executandi where any legal process may be served on him.
- A.1.57 Each Tenderer shall bind himself to accept the jurisdiction of the Courts of Law of the Republic of Namibia.
- A.1.58 Each foreign Tenderer shall state in his tender the name of his accredited agent in the Republic of Namibia in whom the necessary legal competence is vested and who has been duly appointed to sign any contract.
- A.1.59 A foreign company may tender on condition that, should it be informed by the MTC that its tender has been successful, it registers as a company and taxpaying entity in the Republic of Namibia prior to the signing of the Form of Agreement or within such extended time as may be allowed by the MTC.

- A.1.60 The Bidder should be an original equipment manufacturer (OEM) or authorized partner of OEM for supply of the equipment, licenses, solution implementation and maintenance support. Letter of confirmation from OEM must be submitted.
- A.1.61 The bidder is only allowed to submit one offer, either individually or in a partnership. Bidders submitting more than one offers will automatically be disqualified.
- A.1.62 One Bidder can bid only with one OEM and similarly one OEM can bid with only one Bidder. Letter of confirmation from the Bidder and OEM is required. Bidders with letters from the same OEM will automatically be disqualified.

BUSINESS CONTINUITY, HEALTH, SAFETY AND ENVIRONMENT PROVISIONS

- A.1.63 Suppliers that are identified in Business Impact Analyses as being key dependencies in MTCs ongoing operations or responses to disruptive incidents, should contractually agree to provide critical services and products within lead times required by MTC to meet the recovery time objectives established.
- A.1.64 To facilitate the continuation of services to MTC's interested parties, MTC may request its suppliers to:
 - A.1.65 provide assurance in the proposal or tender of its ability to continue to provide the required service or products, despite disruption to its own business operations.
 - A.1.66 include, in the service level agreement (SLA), the supplier's undertaking to provide annual reassurance of its ability to continue to provide the required service or products despite disruption to its business operation.
 - A.1.67 assurance shall be verifiable by means of an audit report extract, BCM exercise/ test reports and/or current ISO22301 certification, indicating the supplier's verified continuity capability.
- A.1.68 MTC may further request that:
 - A.1.68.1 the supplier undertakes to form part of the MTC's BCM testing programme from time to time – scenario dependent and by mutual agreement.
 - A.1.68.2 failure to adhere to a consistent and verifiable BCM programme may be construed, by MTC, as a breach in service level with the penalties and conditions that apply to such agreement.

DISQUALIFICATION OF TENDERERS

- A.1.69 The offer of any Tenderer, which does not conform to the Conditions of this Tender and the instruction reflected in the Tender, may be disqualified at the discretion of the MTC.

NOTICE (S) TO TENDERS

- A.1.70 Additional information and amendments to the tender documents will be conveyed to the Tenderers by the MTC or his agents, prior to the closing date of the tender, by means of Notices to Tenderers. Receipt thereof shall be acknowledged immediately to the sender by email and shall also be submitted together with the Tender Document with tender closure.

LANGUAGE

- A.1.71 All offers shall be submitted in the English language.

ADDITIONAL CONDITIONS OF TENDER

A.1.72 Good Standing in terms of the Social Security Commission Act

Tenderers shall provide Original certificates of good standing in terms of the Social Security Commission Act.

A.1.73 Good standing with Inland Revenue Office

Tenderers shall attach a valid Original Tax Good Standing Certificate.

A.1.74 Company Registration Certificate

Tenderers shall attach a valid copy of his/her Company Registration Certificate or proof of Defensive Name issued in terms of Section 7 of the Companies Act of 1973 (Act 61 of 1973) OR a Close Corporation Certificate issued in terms of Act 26 of 1988.

A.1.75 Letter of Intent

Letter of Intent to be provided by financial institution with the Tender to confirm that a Performance Guarantee will be issued after award of the Tender.

A.1.76 Shareholding

Tenderers shall attach shareholders certificates clearly indicating the shareholding structure of the company tendering.

TERMS OF REFERENCE FOR STUDIO EQUIPMENT

The bidder's proposal shall contain a detailed description of the materials used, in addition to its response to the following requirements (The bidder is allowed to include further or additional information beyond those listed below):

| | Detailed Description of Requirement for Streaming | Quantity | Unit Price excluding VAT | Total price excluding VAT |
|---------------|--|----------|--------------------------|---------------------------|
| Camera | | | | |
| 1. | Video Camera – 4K Sensor Resolution: 13 to 20 Megapixel, Sensor Type: 1"-Type MOS Sensor, Built-In ND Filter Mechanical Filter Wheel with 2-Stop (1/4), 4-Stop (1/16), 6-Stop (1/64) ND Filters Optical Zoom Ratio: 15x to 20x Aperture: f/2.8 to f/4.5 Built-In Microphone Type: Stereo Audio Recording: 2-Channel 24-Bit 48 kHz Video Input/Output: 1 x RCA (Composite) Output, 1 x HDMI Output, 1 x BNC (3G-SDI) Output Audio Input/Output: 1 x Stereo 2RCA Output, 1 x 1/8" / 3.5 mm TRS Stereo Headphone Output, 2 x XLR 3-Pin Mic/Line (+48 V Phantom Power) Input Media/Memory Card Slot: Dual Slot 1: SD/SDHC/SDXC Eg: Sony PXW-Z150, Canon XF605, Panasonic AG-CX350 | 2 | | |
| 2. | Extra Battery for Video Camera – 4K | 2 | | |
| 3. | Camera Tripod – Tripod with Pan and Tilt Fluid Head and Mid-Level Spreader Aluminum Tripod Pan and Tilt Fluid Head Sliding Plate Included Super Torque System Load Capacity of 7 to 9 Kg Maximum Height of 1.66m Floor or Mid-Level Spreader | 2 | | |


| | | | | |
|----|--|---|--|--|
| | <p>Include Tripod Case</p> <p>Eg: LX7, LX7-M, Manfrotto MVH502A Fluid Head and 546B</p> | | | |
| 4. | <p>Video Camera – 4K Pocket Cinema Camera</p> <p>Sensor Type: Super 35 HDR Sensor, Gen 5 Color Science</p> <p>Lens Mount: Canon Active EF Mount,</p> <p>Video Output: HDMI</p> <p>Audio Input: Mini XLR Inputs</p> <p>Monitor: 5” Tilting LCD Touchscreen</p> <p>Maximum Recording: Record 6K 6144 x 3456 up to 50 fps, record up to 120 fps Windowed 2.8K/1080p</p> <p>Recording Input: Cfast 2.0 & SD/UHS-II Card Slots</p> <p>Eg: Blackmagic Pocket Cinema Camera 6K G2</p> | 2 | | |
| 5. | <p>Extra Battery for Video Camera – 4K Pocket Cinema Camera</p> | 2 | | |
| 6. | <p>EF Mount Lens – EF-S 17-55mm f/2.8 IS USM Lens</p> <p>EF-S-Mount Lens/APS-C Format</p> <p>27.2-88mm (35mm Equivalent)</p> <p>Aperture Range: f/2.8 to f/22</p> <p>Two UD and Three Aspherical Elements</p> <p>Super Spectra Coating</p> <p>Ring-Type Ultrasonic Motor AF System</p> <p>Optical Image Stabilizer</p> <p>Rounded 7-Blade Diaphragm</p> <p>Eg: Canon, Sigma</p> | 2 | | |
| 7. | <p>Camera Tripod – Tripod with Pan and Tilt Fluid Head and Mid-Level Spreader</p> <p>Aluminum Tripod</p> <p>Pan and Tilt Fluid Head</p> <p>Sliding Plate Included</p> <p>Super Torque System</p> <p>Load Capacity of 5 Kg</p> <p>Maximum Height of 1.66m</p> <p>Floor or Mid-Level Spreader</p> <p>Include Tripod Case</p> | 2 | | |

| | | | | |
|------------------------|---|----|--|--|
| | Eg: Libec TH-X, Manfrotto MVH500A Head + MVT502AM Legs | | | |
| 8. | Protection Carry Case – Hard Case for Video Camera – 4K And Blackmagic Design Pocket Cinema Camera 6K Exterior Dimensions: Large enough to accommodate all accessories for the camera. Internal Dimensions: Pocket pre cut out for the camera and accessories. Type of Closure: Latch, Lockable Latches Carrying/Transport Options: Handle Material of Construction: Polypropylene, Resin Water Resistance: Waterproof Pressure/Purge Valve: Yes | 4 | | |
| 9. | Video Wireless Transmitter – SDI/HDMI Wireless Video Transmission System with range of 120m radius Wireless Range: 120m (Line-of-Sight) 90m (Line-of-Sight) Channel Bandwidth: 20 MHz Frequency Range: 5 GHz Latency: 0.1 sec RF Power: < 21 dBm RF Sensitivity: -80 dBm | 2 | | |
| 10 | Battery for the Video Wireless Transmitter | 2 | | |
| 11 | SD Cards – 128GB Storage Capacity UHS-I / V30 / U3 / Class 10 Max Read Speed: 200 MB/s Max Write Speed: 90 MB/s Min Write Speed: 30 MB/s Records Full HD, 3D, and 4K Video Built-In Write-Protect Switch | 10 | | |
| 12 | Gimbal – 3 axis electric stabilizer gimbal with weight to accommodate Blackmagic Pocket Cinema Camera 6k with wireless Transmitter kit | 1 | | |
| Intercom System | | | | |

| | | | | |
|------------------|---|-----|--|--|
| 13 | Intercom Set – Full-Duplex Intercom System with Four Beltpack Transceivers Base Station with Dual-Battery Plate 300m Full-Duplex Wireless Communication 4 x Beltpack Transceivers 5 x Single-Sided Headsets 3 x High-Gain Base Station Antennas AC/DC Dual Power Supply System Adjustable Audio I/O Volume Station Charges Beltpack Transceivers | 1 | | |
| 14 | Intercom System Carry Case – Hard Protective Case for Intercom System Must accommodate all items including accessories | 1 | | |
| 15 | Long Video Cable: SDI Video Cable (BNC to BNC) 30M 75-Ohm Impedance 18 AWG RG-6 Coaxial Cable | 6 | | |
| 16 | Extra cable – Interconnecting cable for a complete working solution including power cables. | Sum | | |
| Switching | | | | |
| 17 | Switching Gear – Studio Pro 4K Live Production Switcher 8-Channel 12G-SDI Switcher HD and UHD Signal-Compatible to 2160p60 12-Input, 2-Channel Audio Mixer Re-Sync on All Inputs UHD 4K Multiview Output Low-Latency Converter Built-In Talkback Feature CCU Control for Select Cameras Advanced Chroma Keyer Powerful DVE Processor, 2 x Clip Pool. Eg: Blackmagic Design ATEM Television Studio Pro 4K | 1 | | |
| 18 | Video Preview Monitor 4k – 4K 2 15.6” DCI 4K Broadcast Monitor (6 RU) 15.6” 3840 x 2160 Active-Matrix TFT LCD | 1 | | |

| | | | | |
|-----------|--|---|--|--|
| | <p>Supports up to DCI 4K60 Video 2 x Multi-Rate 12G-SDI Inputs 1 x Optical Fiber SDI Socket SDI Loop-Through Output, Tally Input Dual 3D LUT Support Peaking, Zoom & Adjustable Markers H/V Delay, Blue Only & Frame Markers Front Panel & Ethernet Control Upscales SD/HD to UHD</p> <p>Eg.: Blackmagic Design SmartView 4K 2</p> | | | |
| 19 | <p>HD Video Recorder – Compact Broadcast-Quality Record/Playback Deck Records up to 4K DCI at 30 fps Plays Back up to 3840 x 2160 at 30 fps 1 x 6G-SDI Input, 1 x HDMI 2.0 Input 1 x HDMI 2.0 and 2 x 6G-SDI Outputs Records ProRes, DNxHD, and H.264 Records in H.264 SDI 4:2:2 10-Bit Front-Panel Buttons, Jog Wheel, LCD Timecode and Reference Input/Output ½ Rack-Mountable Form Factor USB Type-C, 1G Ethernet, RS-422</p> <p>Eg: Blackmagic Design HyperDeck Studio HD Plus</p> | 1 | | |
| 20 | <p>Blackmagic Universal Rack Shelf – 1RU Mix and match 1/3 and ½ rack width Studio Converter</p> | 1 | | |
| 21 | <p>Capture & Playback – Thunderbolt 3 Video Capture, Playback, or Streaming. 12G-SDI & HDMI 2.0 Input/Output 1 x 40 Gb/s Thunderbolt 3 Interface 3” LCD Status/Preview Screen DCI 4K60 4:2:2 Single-Link 12G-SDI I/O DCI 4K30 4:4:4 Single-Link 12G-SDI I/O DCI4K60 4:4:4 via HDMI 8-, 10- & 12-Bit Processing</p> | | | |

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| | 2K/HD/SD via SDI or HDMI RS-422 Deck Control macOS, Windows & Linux Compatible Eg: Blackmagic Design UltraStudio 4K Mini | | | |
| 22 | Streaming Encoder – 4G Cellular Bonding Video Encoder for Outdoor Live Streaming or IRL Streaming Input SDI Transmission mode: 4G-LTE, WIFI (2.4/5G dual band), Ethernet by USB expansion 4G bonding capacity: 4 channels of 4G bonding (2 CH internal+ 2 CH external) Video resolution: 1080p23.98/24/25/29.97/30, 1080p50/59.94/60, 1080i50/59.94/60, 720p23.98/24/25/29.97/30, 720p50/59.94/60 Video encoding: H.264/AVC, Motion-JPEG Audio encoding: AAC/G.711 Encoding latency: <67ms Media protocol: RTMP/RTSP/SRT/RTP/HLS/TS over UDP, custom for SIP Graphic overlay: User-defined text, image overlay Recording: TF card slot/hard disk by USB expansion for local recording and NAS network storage Management: Android APP/Web Eg: Kiloview P1 | 1 | | |
| 23 | High End Video Graphics Design Laptop – Intel i7 12700H / RTX 3060 / Thunderbolt 4 / 512GB SSD / Ethernet Port or USB to Ethernet Adapter | 1 | | |
| 24 | Content Storage – HDD 8TB Hard Drive USB 3.1, USB-C | 1 | | |
| 25 | Network Switch: 16 Port Network Switch Unmanaged with POE, 1GB Port | 1 | | |
| 26 | Video Converter – Bidirectional SDI Video Converter | 8 | | |
| 27 | HDMI Cable 2M | 8 | | |

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|--------------|---|-----|--|--|
| 28 | Extra cables – Interconnecting cable for a complete working solution including power cables. | Sum | | |
| 29 | <p>Mobile Flight Case – All The Equipment under Switching must be Build In one Portable Flights Case. With Patch Panel for SDI input and Out, Network, and Audio In and Out.</p>  | 1 | | |
| Audio | | | | |
| 30 | <p>Audio Mixer – 16-Channel Mixing Console Max. 10 Mic / 16 Line Inputs (8 mono + 4 stereo) 4 GROUP Buses + 1 Stereo Bus 4 AUX (incl. FX) “D-PRE” mic preamps with an inverted Darlington circuit 1-Knob compressors High-grade effects: SPX with 24 programs 24-bit/192kHz 2in/2out USB Audio functions Works with the iPad (2 or later) through the Apple iPad Camera Connection Kit / Lightning to USB Camera Adapter Includes Cubase AI DAW software download version. PAD switch on mono inputs +48V phantom power XLR balanced outputs Internal universal power supply for world-wide use Rack Mount Kit Included</p> <p>Eg.: Yamaha MG16XU, StudioLive® AR16c,</p> | 1 | | |
| 31 | Flight case – Audio Mixer Flight Case and protection case. | 1 | | |

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| 32 | <p>Handheld Microphone Set – Digital Wireless Handheld Microphone System For Presenters and Performers Pro Features with Fast & Easy Set Up Dynamic Cardioid Mic Capsule Handheld Transmitter with Mute Switch Intelligent Diversity Rackmount Receiver 134 dB of Dynamic Range, 24-Bit Audio 2240 Frequencies on Equidistant Grid Set Up/Operate from Phone via Bluetooth 8-Hour AA /12-Hour Rechargeable Battery</p> <p>Eg.: Sennheiser, Shure</p> | 4 | | |
| 33 | <p>Wireless Belt Pack Microphone Set – Digital Wireless Omni Lavalier Microphone For Presenters, Performers, Lecturers Pro Features with Fast & Easy Set Up ME 2 Omnidirectional Lav Mic Lightweight Bodypack Transmitter Intelligent Diversity Rackmount Receiver 134 dB of Dynamic Range, 24-Bit Audio 2240 Frequencies on Equidistant Grid Set Up/Operate from Phone via Bluetooth 8-Hour AA /12-Hour Rechargeable Battery</p> <p>Eg.: Sennheiser, Shure</p> | 2 | | |
| 34 | <p>Flight case for Microphone – 4U short deep microphone case Material, Aluminum and Wood. Include Multiplug for the Microphone receiver. Include cabling for the Microphone receiver to Mixer.</p> | 1 | | |
| 35 | <p>Voice Over Studio Microphone – Large Diaphragm Studio Condenser Cardioid Microphone</p> <p>Eg.: Sennheiser MK4, Rode NT1</p> | 1 | | |
| 36 | <p>Voice Over Studio Microphone Mount</p> | 1 | | |
| 37 | <p>Short Boom Microphone Table Stand</p> | 1 | | |

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| 38 | Speakers – Two-Way 15” Powered PA Speaker with Integrated DSP | 2 | | |
| 39 | Speaker Stand with Speaker Stand Bags | 2 | | |
| 40 | XLR cable – 20m XLR | 2 | | |
| 41 | XLR Cable – 10m XLR | 2 | | |
| 42 | Power cable – 20m 3 core 3 pin power cable | 6 | | |
| Green Screen | | | | |
| 43 | Green Screen – Portable Kits with 3m wide cloth materials with stands. | 1 | | |
| Lights | | | | |
| 44 | Large LED Studio Panel Lighting – 120W 1:1 Bi-color SMD LED panel light DMX incl Barndoor | 4 | | |
| 45 | Medium LED Studio Panel Lighting – 60W 1:1 Bi-color SMD LED panel light DMX incl Barndoor | 6 | | |
| 46 | Light Tripod Stands with Mount | 10 | | |
| 47 | G Clamp 50mm for Light Ceiling Mount | 10 | | |
| 48 | Power cabling – 10m Power cabling | 10 | | |
| Drone | | | | |
| 49 | Drone – DJI RC 1-Inch CMOS Sensor 5.4K Video MasterShots 12km 1080p Transmission Obstacle Sensing in 4 Directions | 1 | | |
| 50 | Drone Controller with HDMI – DJI RC Pro 15 km Video Transmission 120 ms Ultra-Low Latency 5.5-inch 1080p High-Bright Display Brightness Up to 1000 nits 3-hour Max Operating Time | 1 | | |
| 51 | Mini HDMI to HDMI Cable 3m | 2 | | |
| 52 | Protection case for the Drone and Accessories | 1 | | |
| Studio and Mobile Display | | | | |
| 53 | Studio Display – 65” TV Display | 4 | | |

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| 54 | Studio Display Stand – Mobile Stand with Caster Eg.: Howlo X Stand | 4 | | |
| 55 | Flight Case Protection for 65" TV Display with caster (Two display in a case) | 2 | | |

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| | Software | | | |
| 1. | vMix Live Production & Streaming Software PRO Lifetime Including support. | 1 | | |
| | Training for the software for 3 persons | 3 | | |
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STANDARD WARRANTY

All products carry a minimum of a 2-year warranty unless otherwise stated. If items become defective due to manufacturing fault within 180 days of purchase, then the Vendor will arrange for the collection and repair of the product. If the product cannot be repaired within 30 days, then a replacement product will be issued at no additional cost, which will not be older and not be in worse condition than the original product returned by the Customer.

If the item becomes defective within the warranty period, but after 180 days from the date of delivery, then the same conditions as above apply but the Customer will be expected to pay for any reasonable steps to prove the manufacturing fault and for the cost of returning the product to the Vendor.

The bidder must submit a service level contract for support and maintenance to commence right after installation, although should only be payable after 180 days from the date of installation.