



Supply install testing and commissioning studio equipment

BIDDING DOCUMENT

DEPARTMENT OF GOVERNMENT INFORMATION

BID No: DGI/PRO/01/08/2021

Bids will be closed at 1.30 p.mon 30/09/2021 and will be opened immediately thereafter.

Section I. Instructions to Bidders (ITB)

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Section I. Instructions to Bidders (ITB)

ITB shall be read in conjunction with the Section II, Bidding Data Sheet (BDS), which shall take precedence over ITB.

General

- 1. Scope of Bid**
- 1.1 The Purchaser **indicated in the Bidding Data Sheet (BDS)**, issues these Bidding Documents for the supply of Goods and Related Services incidental thereto as specified in Section V, Schedule of Requirements. The name and identification number of this procurement are **specified in the BDS**. The name, identification, and number of lots (individual contracts), if any, are **provided in the BDS**.
- 1.2 Throughout these Bidding Documents:
- (a) the term “in writing” means communicated in written form by mail (other than electronic mail) or hand delivered with proof of receipt;
 - (b) if the context so requires, “singular” means “plural and vice versa; and
 - (c) “day” means calendar day.
- 2. Source of Funds**
- 2.1 Payments under this contract will be financed by the source **specified in the BDS**.
- 3. Ethics, Fraud and Corruption**
- 3.1 The attention of the bidders is drawn to the following guidelines of the Procurement Guidelines published by National Procurement Agency:
- Parties associated with Procurement Actions, namely, suppliers/contractors and officials shall ensure that they maintain strict confidentiality throughout the process;
 - Officials shall refrain from receiving any personal gain from any Procurement Action. No gifts or inducement

shall be accepted. Suppliers/contractors are liable to be disqualified

from the bidding process if found offering any gift or inducement which may have an effect of influencing a decision or impairing the objectivity of an official.

3.2 The Purchaser requires the bidders, suppliers, contractors, and consultants to observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy:

- (a) “corrupt practice” means the offering, giving receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution;
- (b) “fraudulent practice” means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;
- (c) “collusive practice” means a scheme or arrangement between two or more bidders, with or without the knowledge of the Purchaser to establish bid prices at artificial, noncompetitive levels; and
- (d) “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract.

3.3 If the Purchaser found any unethical practices as stipulated under ITB Clause 3.2, the Purchaser will reject a bid, if it is found that a Bidder directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract in question.

4. Eligible Bidders

4.1 All bidders shall possess legal rights to supply the Goods under this contract.

4.2 A Bidder shall not have a conflict of interest. All bidders found to have conflict of interest shall be disqualified. Bidders may be considered to have a conflict of interest with one or more parties in this bidding process, if they:

(a) are or have been associated in the past, with a firm or any of its affiliates which have been engaged by the Purchaser to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under these Bidding Documents; or

(b) Submit more than one bid in this bidding process. However, this does not limit the participation of subcontractors in more than one bid.

4.3 A Bidder that is under a declaration of ineligibility by the National Procurement Agency (NPA), at the date of submission of bids or at the date of contract award, shall be disqualified. The list of debarred firms is available at the website of NPA, www.npa.gov.lk.

4.4 Foreign Bidder may submit a bid only if so stated **in the BDS**.

- 5. Eligible Goods and Related services**
- 5.1 All goods supplied under this contract shall be complied with applicable standards stipulated by the Sri Lanka Standards Institute (SLSI). In the absence of such standards, the Goods supplied shall be complied to other internationally accepted standards Contents of Bidding Documents
- 6. Sections of Bidding Documents**
- 6.1 The Bidding Documents consist of VIII Sections, which include all the sections indicated below, and should be read in conjunction with any addendum issued in accordance with ITB Clause 8
- Section I. Instructions to Bidders (ITB)
 - Section II. Bidding Data Sheet (BDS)
 - Section III. Evaluation and Qualification Criteria
 - Section IV. Bidding Forms
 - Section V. Schedule of Requirements
 - Section VI. Conditions of Contract (CC)
 - Section VII. Contract Data
 - Section VIII. Contract Forms
 - Invitation for Bid
- 6.2 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Documents. Failure to furnish all information or documentation required by the Bidding Documents may result in the rejection of the bid.
- 7. Clarification of Bidding Documents**
- 7.1 A prospective Bidder requiring any clarification of the Bidding Documents including the restrictiveness of specifications shall contact the Purchaser in writing at the Purchaser's address **specified in the BDS**. The Purchaser will respond in writing to any request for clarification, provided that such request is received no later than ten (10) days prior to the deadline for submission of bids. The Purchaser shall forward copies of its response to all those who have purchased the Bidding Documents, including adscription of the inquiry but without identifying its source. Should the Purchaser deem it necessary to amend the Bidding Documents as a result of a clarification, it shall do so following the procedure under ITB Clause 8.

**8. Amendment of
Bidding
Documents**

- 8.1 At any time prior to the deadline for submission of bids, the Purchaser may amend the Bidding Documents by issuing Addendum
- 8.2 Any addendum issued shall be part of the Bidding Documents and shall be communicated in writing to all who have purchased the Bidding Documents.
- 8.3 To give prospective Bidders reasonable time in which to take an addendum into account in preparing their bids, the Purchaser may, at its discretion, extend the deadline for the submission of bids, pursuant to ITB Sub-Clause 23.2

Preparation of Bids

- 9. Cost of Bidding** 9.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Purchaser shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
- 10. Language of Bid** 10.1 The Bid, as well as all correspondence and documents relating to the Bid (including supporting documents and printed literature) exchanged by the Bidder and the Purchaser, shall be written in English language.
- 11. Documents Comprising the Bid** 11.1 The Bid shall comprise the following:
- (a) Bid Submission Form and the applicable Price Schedules, in accordance with **ITB Clauses 12, 14, and 15**;
 - (b) Bid Security or Bid-Securing Declaration, in accordance with ITB Clause 20;
 - (c) Documentary evidence in accordance with ITB Clauses 18 and 29, that the Goods and Related Services conform to the Bidding Documents;
 - (d) documentary evidence in accordance with ITB Clause establishing the Bidder's qualifications to perform the contract if its bid is accepted; and
 - (e) any other document required in the BDS.
- 12. Bid Submission Form and Price Schedules** 12.1 The Bidder shall submit the Bid Submission Form using the form furnished in Section IV, Bidding Forms. This form must be completed without any alterations to its format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.
- 13. Alternative Bids** 13.1 Alternative bids are allowed with multiple sets of bidding document

**14. Bid
Prices and
Discounts**

- 14.1 The Bidder shall indicate on the Price Schedule the unit prices and total bid prices of the goods it proposes to supply under the Contract.
- 14.2 Any discount offered against any single item in the price schedule shall be included in the unit price of the item. However, a Bidder wishes to offer discount as a lot the bidder may do so by indicating such amounts appropriately.
- 14.3 If so indicated in ITB Sub-Clause 1.1, bids are being invited for individual contracts (lots) or for any combination of contracts (packages). Unless otherwise indicated in the **BDS**, prices quoted shall correspond to 100 % of the items specified for each lot and to 100% of the quantities specified for each item of a lot. Bidders wishing to offer any price reduction (discount) for the award of more than one Contract shall specify the applicable price reduction separately.
- 14.4 (i) Prices indicated on the Price Schedule shall include all duties and sales and other taxes already paid or payable by the Supplier:
(a) on components and raw material used in the manufacture or assembly of goods quoted; or
(b) on the previously imported goods of foreign origin
- (ii) However, VAT shall not be included in the price but shall be indicated separately;
- (iii) the price for inland transportation, insurance and other related services to deliver the goods to their final destination;
- 14.5 The Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to variation on any account. A bid submitted with an adjustable price quotation will be treated as non-responsive and rejected, pursuant to ITB Clause 31.
- 14.6 All lots, if any, and items must be listed and priced separately in the Price Schedules. If a Price Schedule shows items listed but not priced, their prices shall be assumed to be included in the prices of other items.

**15. Currencies of
Bid**

- 15.1 Unless otherwise stated in Bidding Data Sheet, the Bidder shall quote in Sri Lankan Rupees and payment shall be payable only in Sri Lanka Rupees.

- 16. Documents Establishing the Eligibility of the Bidder**
- 16.1 To establish their eligibility in accordance with ITB Clause 4, Bidders shall complete the Bid Submission Form, included in Section IV, Bidding Forms.
- 17. Documents Establishing the Conformity of The Goods and Related Services**
- 17.1 To establish the conformity of the Goods and Related services to the Bidding Documents, the Bidder shall furnish as part of its Bid the documentary evidence that the Goods conform to the technical specifications and standards specified in Section V, Schedule of Requirements.
- 17.2 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item by item description (given in Section V, Technical Specifications) of the essential technical and performance characteristics of the Goods and Related Services, demonstrating substantial responsiveness of the Goods and Related Services to the technical specification, and if applicable, a statement of deviations and exceptions to the provisions of the Schedule of Requirements.
- 17.3 The Bidder shall also furnish a list giving full particulars, including quantities, available sources and Price escalation formula of spare parts, special tools, etc., necessary for the proper and continuing functioning of the Goods during the period if specified in the BDS following commencement of the use of the goods by the Purchaser.
- 18. Documents establishing the qualifications of the bidder**
- 18.1 The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the Purchaser's satisfaction:
- (a) A Bidder that does not manufacture or produce the Goods it offers to supply shall submit the Manufacturer's Authorization using the form included in Section IV, Bidding Forms to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods;
- (b) that, if required in the BDS, in case of a Bidder not doing business within Sri Lanka, the Bidder is or will be (if awarded the contract) represented by an Agent in Sri Lanka equipped and able to carry out the Supplier's maintenance, repair and spare parts-

stocking obligations prescribed in the Conditions of Contract **and/or Technical Specifications.**

19. Period of Validity of Bids

- 19.1 Bids shall remain valid until the date specified in the BDS. A bid valid for a shorter date shall be rejected by the Purchaser as non-responsive.
- 19.2 In exceptional circumstances, prior to the expiration of the bid validity date, the Purchaser may request bidders to extend the period of validity of their bids. The request and the responses shall be made in writing. If a Bid Security is requested in accordance with ITB Clause 20, it shall also be extended for a corresponding period. A Bidder may refuse the request without forfeiting its Bid Security. A Bidder granting the request shall not be required or permitted to modify its bid.

20. Bid Security

- 20.1 The Bidder shall furnish as part of its bid, a Bid security, as specified in the BDS.
- 20.2 The Bid Security shall be in the amount specified in the BDS and denominated in Sri Lanka Rupees, and shall:
- (a) at the bidder's option, be in the form of either a bank draft, a letter of credit, or a bank guarantee from a banking institution;
 - (b) be issued by a institution acceptable to Purchaser. The acceptable institutes are published in the NPA website, www.npa.gov.lk.
 - (c) be substantially in accordance with the form included in Section IV, Bidding Forms;
 - (d) be payable promptly upon written demand by the Purchaser in case the conditions listed in ITB Clause 20.5 are invoked;
 - (e) be submitted in its original form; copies will not be accepted;
 - (f) remain valid for the period specified in the BDS.
- 20.3 Any bid not accompanied by a substantially responsive Bid Security or Bid Securing Declaration in accordance with ITB Sub-Clause 20.1 and 20.2, may be rejected by the Purchaser as non-responsive.

- 20.4 The Bid Security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's furnishing of the Performance Security pursuant to ITB Clause 43.
- 20.5 The Bid Security may be forfeited or the Bid Securing Declaration executed:
- (a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Submission Form, except as provided in ITB Sub-Clause 19.2; or
 - (b) if a Bidder does not agree to correction of arithmetical errors in pursuant to ITB Sub-Clause 30.3
 - (c) if the successful Bidder fails to:
 - (i) sign the Contract in accordance with ITB Clause 42;
 - (ii) furnish a Performance Security in accordance with ITB Clause 43.

21. Format and Signing of Bid

- 21.1 The Bidder shall prepare one original of the documents comprising the bid as described in ITB Clause 11 and clearly mark it as "ORIGINAL." In addition, the Bidder shall submit a copy of the bid and clearly mark it as "COPY." In the event of any discrepancy between the original and the copy, the original shall prevail.
- 21.2 The original and the Copy of the bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder.
- 21.3 Any interlineations, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the Bid.

Submission and Opening of Bids

22. Submission Sealing and Marking of Bids

- 22.1 Bidders may always submit their bids by mail or by hand.
- (a) Bidders submitting bids by mail or by hand, shall enclose the original and the Bids copy of the in separate sealed envelopes, duly marking the envelopes as “ORIGINAL” and “COPY.” These envelopes containing the original and the copy shall then be enclosed in one single envelope.
- 22.2 The inner and outer envelopes shall:
- (a) Bear the name and address of the Bidder;
- (b) be addressed to the Purchaser in accordance with ITB Sub-Clause 23.1;
- (c) bear the specific identification of this bidding process as indicated in the BDS; and
- (d) bear a warning not to open before the time and date for bid opening, in accordance with ITB Sub-Clause 26.1.

If all envelopes are not sealed and marked as required, the Purchaser will assume no responsibility for the misplacement or premature opening of the bid.

23. Deadline for Submission of Bids

- 23.1 Bids must be received by the Purchaser at the address and no later than the date and time **specified in the BDS**
- 23.2 The Purchaser may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Documents in accordance with ITB Clause 8, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.

24. Late Bids

- 24.1 The Purchaser shall not consider any bid that arrives after the deadline for submission of bids, in accordance with ITB Clause 23. Any bid received by the Purchaser after the deadline for submission of bids shall be declared late, rejected, and returned unopened to the Bidder.

25. Withdrawal and Modification of Bids

- 25.1 A Bidder may withdraw or modify its Bid after it has been submitted by sending a written notice in accordance with

ITB Clause 22, duly signed by an authorized representative, and shall include a copy of the authorization in accordance with ITB Sub-Clause 21.2, (except that no copies of the The corresponding substitution or modification of the bid must accompany the respective written notice. All notices must be:

- (a) submitted in accordance with ITB Clauses 21 and 22 (except that withdrawal notices do not require copies), and in addition, the respective envelopes shall be clearly marked "WITHDRAWAL," or "MODIFICATION;" and
- (b) received by the Purchaser prior to the deadline prescribed for submission of bids, in accordance with ITB Clause 23.

25.2 Bids requested to be withdrawn in accordance with ITB Sub-Clause 25.1 shall be returned to the Bidders only upon notification of contract award to the successful bidder in accordance with sub clause 41.1.

25.3 No bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Submission Form or any extension thereof.

26. Bid Opening

26.1 The Purchaser shall conduct the bid opening in public at the address, date and time **specified in the BDS.**

26.2 First, envelopes marked "WITHDRAWAL" shall be opened and read out and the envelope with the corresponding bid may be opened at the discretion of the Purchaser. No bid withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at bid opening. Envelopes marked "MODIFICATION" shall be opened and read out with the corresponding Bid. No Bid modification shall be permitted unless the corresponding modification notice contains a valid authorization to request the modification and is read out at Bid opening. Only envelopes that are opened and read out at Bid opening shall be considered further.

26.3 All other envelopes shall be opened one at a time, reading out: the name of the Bidder and whether there is a modification; the Bid Prices, including any discounts and alternative offers; the presence of a Bid Security or Bid-

Securing Declaration, if required; and any other details as the Purchaser may consider appropriate. Only discounts and alternative offers read out at Bid opening shall be considered for evaluation. No Bid shall be rejected at Bid opening except for late bids, in accordance with ITB Sub-Clause 24.1.

- 26.4 The Purchaser shall prepare a record of the Bid opening that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal, or modification; the Bid Price, per lot if applicable, including any discounts, and the presence or absence of a Bid Security or Bid-Securing Declaration. The bids that were opened shall be resealed in separate envelopes, promptly after the bid opening. The Bidders' representatives who are present shall be requested to sign the attendance sheet. A copy of the record shall be distributed to all Bidders who submitted bids in time.

Evaluation and Comparison of Bids

- 27. Confidentiality**
- 27.1 Information relating to the examination, evaluation, comparison, and post-qualification (if applicable) of bids, and recommendation of contract award, shall not be disclosed to bidders or any other persons not officially concerned with such process until publication of the Contract Award.
- 27.2 Any effort by a Bidder to influence the Purchaser in the examination, evaluation, comparison, and post-qualification of the bids or contract award decisions may result in the rejection of its Bid.
- 27.3 Notwithstanding ITB Sub-Clause 27.2, if any Bidder wishes to contact the Purchaser on any matter related to the bidding process, from the time of bid opening to the time of Contract Award, it should do so in writing.
- 28. Clarification of Bids**
- 28.1 To assist in the examination, evaluation, comparison and qualification of the bids, the Purchaser may, at its discretion, request any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder in respect to its Bid and that is not in response to a request by the Purchaser shall not be considered for purpose of evaluation. The Purchaser's request for clarification and the response shall be in writing. No change in the prices or substance of the Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Purchaser in the Evaluation of the bids, in accordance with ITB Clause 30.
- 29. Responsiveness of Bids**
- 29.1 The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself.
- 29.2 A substantially responsive Bid is one that conforms to all the terms, conditions, and specifications of the Bidding Documents without material deviation, reservation, or

omission. A material deviation, reservation, or omission is one that:

- (a) affects in any substantial way the scope, quality, or performance of the Goods and Related Services specified in the Contract; or
- (b) limits in any substantial way, inconsistent with the Bidding Documents, the Purchaser's rights or the Bidder's obligations under the Contract; or
- (c) if rectified would unfairly affect the competitive Position of other bidders presenting substantially responsive bids.

29.3 If a bid is not substantially responsive to the Bidding Documents, it shall be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the material deviation, reservation, or omission.

**30. Nonconformities,
Errors and Omissions**

30.1 Provided that a Bid is substantially responsive, the Purchaser may waive any non-conformities or omissions in the Bid that do not constitute material deviation.

30.2 Provided that a bid is substantially responsive, the Purchaser may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities or omissions in the bid related to documentation requirements. Such omission shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.

30.3 Provided that the Bid is substantially responsive, the Purchaser shall correct arithmetical errors on the following basis:

- (a) if there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected;

- (b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- (c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.

30.4 If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be disqualified and its Bid Security shall be forfeited or its Bid-Securing Declaration shall be executed.

31. Preliminary Examination of Bids

31.1 The Purchaser shall examine the bids to confirm that all documents and technical documentation requested in ITB Clause 11 have been provided, and to determine the completeness of each document submitted.

31.2 The Purchaser shall confirm that the following documents and information have been provided in the Bid. If any of these documents or information is missing, the Bid shall be rejected.

- (a) Bid Submission Form, in accordance with ITB Sub-Clause 12.1;
- (b) Price Schedules, in accordance with ITB Sub-Clause 12;
- (c) Bid Security or Bid Securing Declaration, in Accordance with ITB Clause 20.

32. Examination of Terms and Conditions; Technical Evaluation

32.1 The Purchaser shall examine the Bid to confirm that all terms and conditions specified in the CC and the **Contract Data** have been accepted by the Bidder without any material deviation or reservation.

32.2 The Purchaser shall evaluate the technical aspects of the Bid submitted in accordance with ITB Clause 17, to confirm that all requirements specified in Section V, Schedule of Requirements of the Bidding Documents have been met without any material deviation or reservation.

32.3 If, after the examination of the terms and conditions and the technical evaluation, the Purchaser determines that the Bid is not substantially responsive in accordance with ITB Clause 29, the Purchaser shall reject the Bid.

- 33. Conversion to Single Currency**
- 33.1 If the bidders are allowed to quote in foreign currencies in accordance with sub clause 15.1, for evaluation and comparison purposes, the Purchaser shall convert all bid prices expressed in foreign currencies in to Sri Lankan Rupees using the selling rates prevailed 28 days prior to closing of bids as published by the Central Bank of Sri Lanka. If this date falls on a public holiday the earliest working day prior to the date shall be applicable.
- 34. Domestic Preference**
- 34.1 Not Applicable
- 35. Evaluation of Bids**
- 35.1 The Purchaser shall evaluate each bid that has been determined, up to this stage of the evaluation, to be substantially responsive.
- 35.2 To evaluate a Bid, the Purchaser shall only use all the factors, methodologies and criteria defined in this ITB Clause 35.
- 35.3 To evaluate a Bid, the Purchaser shall consider the following:
- (a) the Bid Price as quoted in accordance with clause 14;
 - (b) price adjustment for correction of arithmetic errors in accordance with ITB sub-clause 30.3
 - (c) price adjustment due to discount offered in accordance with ITB sub clause 14.2; and 14.3;
 - (d) adjustment due to the application of the evaluation criteria specified in the BDS from amongst those set out in section III, evaluation and qualification criteria;
 - (e) adjustment due to the application of a domestic preference, in accordance with ITB clause 34 if applicable.
- 35.4 The Purchaser's evaluation of a bid may require the consideration of other factors, in addition to the factors stated in ITB Sub-Clause 35.3, if specified in BDS. These factors may be related to the characteristics, performance, and terms and conditions of purchase of the Goods and Related Services. The effect of the factors selected, if any, shall be expressed in monetary terms to facilitate comparison of bids

- 36. Comparison of Bids**
- 36.1 The Purchaser shall compare all substantially responsive bids to determine the lowest-evaluated bid, in accordance with ITB Clause 35
- 37. Post qualification of the Bidder**
- 37.1 The Purchaser shall determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated and substantially responsive bid is qualified to perform the Contract satisfactorily.
- 37.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Clause 18.
- 37.3 An affirmative determination shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in disqualification of the bid, in which event the Purchaser shall proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.
- 38. Purchaser's Right to Accept Any Bid, and to Reject or All Bids**
- 38.1 The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to Bidders

43.2 Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security or execution of the Bid-Securing Declaration. In that event the Purchaser may award the Contract to the next lowest evaluated Bidder, whose offer is substantially responsive and is determined by the Purchaser to be qualified to perform the Contract satisfactorily.

Section II. Bidding Data Sheet (BDS)

The following specific data for the goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

[Instructions for completing the Bid Data Sheet are provided, as needed, in the notes in italics mentioned for the relevant ITB Clauses.]

ITB Clause Reference	A. General
ITB 1.1	The Purchaser is: Department of Government Information
ITB 1.1	The name and identification number of the Contract are: Supply install testing and commissioning studio equipment DGI/PRO/01/08/2021
ITB 2.1	The source of funding is: Government of Sri Lanka (GOSL)
	B. Contents of Bidding Documents
ITB 7.1	For <u>Clarification of bid purposes</u> only, the Purchaser's address is: Attention: Chief Accountant Address: Department of Government Information 163, Kirulapana Avenue, Colombo 05. Sri Lanka. Telephone: +94 718859889, +94 112514759 Facsimile number: +94112514286 Electronic mail address: Ca@dgi.gov.lk Pre bid meeting will be held Date -16/09/2021 Time -10.00 a.m Venue – Mini Auditorium, Department of Government Information
	C. Preparation of Bids
ITB 11.1 (e)	The Bidder shall submit the following additional documents: <ol style="list-style-type: none"> 1. All the technical specifications and brochures / literature of the offered equipment. 2. Manufacture's Authorization (required each item) 3. Company Profile 4. Recent Client List of Television Broadcast Equipment in Sri Lanka with purchase orders/ awarding letters received 5. Copy of the Business registration/Certificate of incorporation 6. Warranty Certification 7. Last 3 year Audited Accounts 8. Copy of annual maintenance agreement 9. Power of attorney or board resolution for authorizing to signed

	the bid document and contract document
ITB 14.3¹	Bidder shall quote Full quantity
ITB 14.4	The price of the goods quoted shall be in “CIP” terms.
ITB 15.1	The Bidder shall quote the equipment price in USD, Euro, GBP & J.Yen..
ITB 17.3²	Period of time the Goods are expected to be functioning (for the purpose of spare parts): 10 Years
ITB 18.1 (b)	After sales service is Required
ITB 19.1³	The bid shall be validity until 90 days from the date of closing of bids.(including closing date)
ITB 20.1	Bid shall include a Bid Security issued by approved commercial bank operating in Sri Lanka included in Section IV Bidding Forms
ITB 20.2⁴	The amount of the Bid Security shall be Rs. 570,000/- <i>The validity period of the bid security shall be 120 days from the date of closing of bids.(including closing date)</i>
	D. Submission and Opening of Bids
ITB 22.2 (c)	The inner and outer envelopes shall bear the following identification marks Supply install testing and commissioning studio equipment DGI/PRO/01/08/2021 The bidder shall quote their bids in two set of documents, “Original” and “Copy”.
ITB 23.1	For bid submission purposes, the Purchaser’s address is: Director General of Government Information, Department of Government Information, No: 163, Kirulapone Avenue, Colombo 05, Sri Lanka. Attention: Chief Accountant Address: Department of Government Information, No: 163, Kirulapana Avenue, Colombo 05, Sri Lanka.

	<p>Telephone: +94718859889, +94112514759 Fax +94112514286</p> <p>The deadline for the submission of bids is:</p> <p>Date : 30/09/2021 Time: 1.30 p.m</p>
ITB 26.1	<p>The bid opening shall take place at:</p> <p>The Mini Auditorium</p> <p>Address: Department of Government Information,</p> <p>No: 163, Kirulapone Avenue, Colombo 05.</p> <p>Date: 30/09/2021</p> <p>Time: 1.30 p.m</p>
	E. Evaluation and Comparison of Bids
ITB 34.1	Domestic preference shall not be a bid evaluation factor.
ITB 35.4	<ol style="list-style-type: none"> 1. Compliance with the General and Financial Conditions 2. Responsiveness of the bid as per the Section 1. Instructions to Bidder (ITB) 3. The supplier must have industry experience more than 10 years including business registration 4. Compliance with the Section VI, Conditions of Contract and Technical Specifications 5. Required Experience and Technical Capacity 6. Financial Capability 7. Delivery ; Completion Period

Section IV. Bidding Forms

Table of Forms

Bid Submission Form	
Price Schedule:.....	
Price and Completion Schedule - Related Services	
Bid Security (Guarantee)	
Bid-Securing Declaration	
Manufacturer's Authorization	

Bid Submission Form

Date:[insert date (as day, month and year) of Bid Submission]

No.: **DGI/PRO/01/08/2021**

To: **Director General of Government Information,
Department of Government Information,
No: 163, Kirulapone Avenue, Colombo 05, Sri Lanka.**

We, the undersigned, declare that:

(a) We have examined and have no reservations to the Bidding Documents, including Addenda No.....
[insert the number and issuing date of each Addenda];

We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods and Related Services - **Supply install testing and commissioning studio equipment**

The total price of our Bid without VAT, including any discounts offered is
.....
[insert the total bid price in words and figures];

(b) The total price of our Bid including VAT, and any discounts offered is
.....
[insert the total bid price in words and figures];

(c) Our bid shall be valid for the period of time specified in ITB Sub-Clause 18.1, from the date fixed for the bid submission deadline in accordance with ITB Sub-Clause 23.1, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

(d) If our bid is accepted, we commit to obtain a performance security in accordance with ITB Clause 43 and CC Clause 17 for the due performance of the Contract;

(e) We have no conflict of interest in accordance with ITB Sub-Clause 4.3;

(f) Our firm, its affiliates or subsidiaries—including any subcontractors or suppliers for any part of the contract—has not been declared blacklisted by the National Procurement Agency;

(g) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed.

(h) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Signed.....
[insert signature of person whose name and capacity are shown]

In the capacity of
[insert legal capacity of person signing the Bid Submission Form]

Name:
[insert complete name of person signing the Bid Submission Form]

Duly authorized to sign the bid for and on behalf of:
[insert complete name of Bidder]

Dated on _____ day of _____, _____ [insert date of signing]

Price Schedule

*[The Bidder shall fill in these Price Schedule in accordance with the instructions indicated. The list of line items in column 1 of the **Price Schedules** shall coincide with the List of Goods and Related Services specified by the Purchaser in the Schedule of Requirements.]*

PRICE SCHEDULE-Foreign component

Item No.	Description of Goods or related service	Make & Model	Country of manufacture	Warranty Period	Qty.	Unit Price FOB	Amount FOB	Air Freight Charges	Insurance Charges	Total Price CIP
						Currency:	Currency	Currency	Currency	Currency
	Video Equipment									
1	Broadcast Studio Camera 03 Nos. with Accessories				3					
2	Professional Heavy-Duty Camera Tripod with Dolly & Accessories				3					
3	24 -input SD, HD /3G Broadcast Video Switcher				1					
4	17" Full HD high grade LCD monitor for studio				4					
5	55 inch 4K UHD Professional Display				2					
6	Broadcast quality Character Generator				1					
7	Waveform Monitor - 4k/HD				1					
8	Rack mountable AV Recorder				1					
	Glue Equipment									
9	HD/SD Frame Synchronizer				1					
10	HDMI to SDI Scan converter				1					
11	4-Channel Analog Audio Embedder/Disembedder				3					
12	1x6 3G/HD/SD Re-clocking Distribution Amplifier				6					

Supply install testing and Commissioning studio equipment

13	Analog to HD-SDI Converter				1				
14	HD SDI to Analog Converter				1				
15	HD/SD Sync Generator				2				
16	Analog Video 1x6 Distribution Amplifier				2				
17	Rackmount Frame for Mini-Converters				2				
	Audio Equipment								
18	Compact Digital Audio Mixer				1				
19	Rackmount Audio Monitor				1				
20	Powered 6" Two-Way Studio Monitor pair				3				
21	Handheld Wireless Microphone with Mute Switch				2				
22	Wireless Omni Lavalier Microphone System				2				
23	Wireless Monitor System				3				
24	Omnidirectional clip-on lavalier Microphone with XLR Connector (Black)				3				
25	Handheld Dynamic Microphone				3				
26	Eight Channel wired party line intercom main station with 4 Belt packs & Desktop station				1				
27	Talkback System				1				
28	Analog Telephone Hybrid				1				
29	Microphone Stand				3				
30	Closed-Back Over-Ear Studio Headphones				3				
	AV Equipment								
31	Broadcast quality Channel In A Box Playout Server				1				
32	Professional RF Coax To HDMI TV Tuner For PAL				1				

	B/G System									
	Installation Cable & Connectors									
33	2x24 Digital Video Patch bay (1RU)				2					
34	Cable and Connector				LO T 01					
35	Equipment Rack				1					
36	Installation, Testing , Commissioning & training				LOT 01					

Bid Guarantee

[Note: the purchaser is required to fill the information marked as “” and delete this note prior to selling of the bidding document]*

[this Bank Guarantee form shall be filled in accordance with the instructions indicated in brackets]

----- *[insert issuing agency’s name, and address of issuing branch or office]* -----

***Beneficiary: Director General of Government Information,
Department of Government Information,
No: 163, Kirulapone Avenue,
Colombo 05,
Sri Lanka.**

Date: ----- *[insert (by issuing agency) date]*

BID GUARANTEE No.: ----- *[insert (by issuing agency) number]*

We have been informed that ----- *[insert (by issuing agency) name of the Bidder; if a joint venture, list complete legal names of partners]* (hereinafter called "the Bidder") has submitted to you its bid dated ----- *[insert (by issuing agency) date]* (hereinafter called "the Bid") for the supply of *[insert name of Supplier]* under Invitation for Bids No. ----- *[insert IFB number]* ("the IFB").

Furthermore, we understand that, according to your conditions, Bids must be supported by a Bid Guarantee.

At the request of the Bidder, we ----- *[insert name of issuing agency]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of ----- *[insert amount in figures]* ----- *[insert amount in words]* upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder:

- (a) has withdrawn its Bid during the period of bid validity specified; or
- (b) does not accept the correction of errors in accordance with the Instructions to Bidders (hereinafter “the ITB”); or
- (c) having been notified of the acceptance of its Bid by the Purchaser during the period of bid validity, (i) fails or refuses to execute the Contract Form, if required, or (ii) fails or refuses to furnish the Performance Security, in accordance with the ITB.

This Guarantee shall expire: (a) if the Bidder is the successful bidder, upon our receipt of copies of the Contract signed by the Bidder and of the Performance Security issued to you by

the Bidder; or (b) if the Bidder is not the successful bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder that the Bidder was unsuccessful, otherwise it will remain in force up to ----- (*insert date*)

Consequently, any demand for payment under this Guarantee must be received by us at the office on or before that date. _____

[signature(s) of authorized representative(s)]

Bid-Securing Declaration

[Note: the purchaser is required to fill the information marked as “” and delete this note prior to selling of the bidding document]*

[The Bidder shall fill in this form in accordance with the instructions indicated in brackets]

Date: -----*[insert date by bidder]*

Name of contract –

*Contract Identification N^o:

*Invitation for Bid No.: ----- *insert number*]

*To: -----

We, the undersigned, declare that:

1. We understand that, according to instructions to bidders (hereinafter “the ITB”), bids must be supported by a bid-securing declaration;
2. We accept that we shall be suspended from being eligible for contract award in any contract where bids have being invited by any of the Procuring Entity as defined in the Procurement Guidelines published by National Procurement Agency of Sri Lanka, for the period of time of *three years* starting on *the latest date set for closing of bids of this bid*, if we:
 - (a) withdraw our Bid during the period of bid validity period specified; or
 - (b) do not accept the correction of errors in accordance with the Instructions to Bidders of the Bidding Documents; or
 - (c) having been notified of the acceptance of our Bid by you, during the period of bid validity, (i) fail or refuse to execute the Contract Form, if required, or (ii) fail or refuse to furnish the performance security, in accordance with the ITB.
3. We understand this bid securing shall expire if we are not the successful bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder that the bidder was unsuccessful; or (ii) twenty-eight days after the expiration of our bid.
4. We understand that if we are a JV, the Bid Securing Declaration must be in the name of the JV that submits the bid. If the JV has not been legally constituted at the time of bidding, the Bid Securing Declaration shall be in the names of all future partners as named in the letter of intent.

Signed *[insert signature(s) of authorized representative]* In the Capacity of *[insert title]*

Name *[insert printed or typed name]*

Duly authorized to sign the bid for and on behalf of *[insert authorizing entity]*

Dated on *[insert day]* day of *[insert month]*, *[insert year]*

Manufacturer's Authorization

[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The Bidder shall include it in its bid, if so indicated in the BDS.]

Date: *[insert date (as day, month and year) of Bid Submission]*

No.: **DGI/PRO/01/08/2021**

To: **Director General of Government Information,
Department of Government Information,
No: 163, Kirulapone Avenue,
Colombo 05,
Sri Lanka.**

WHEREAS

We *[insert complete name of Manufacturer]*, who are official manufacturers of *[insert type of goods manufactured]*, having factories at *[insert full address of Manufacturer's factories]*, do hereby authorize *[insert complete name of Bidder]* to submit a bid the purpose of which is to provide the following Goods, manufactured by us *[insert name and or brief description of the Goods]*, and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 27 of the Conditions of Contract, with respect to the Goods offered by the above firm.

Signed: *[insert signature(s) of authorized representative(s) of the Manufacturer]*

Name: *[insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title: *[insert title]*

Duly authorized to sign this Authorization on behalf of: *[insert complete name of Bidder]*

Dated on _____ day of _____, _____ *[insert date of signing]*

Section V. Schedule of Requirements

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List of Goods and Delivery Schedule

Line Item N°	Description of Goods	Qty.	Unit	Final Destination as specified in BDS	Delivery Period	
					Latest delivery period	Bidder's Offer
	Video Equipment			Colombo	60 days from the date of awarding of the contract	
1	Broadcast Studio Camera 03 Nos. with Accessories	3				
2	Professional Heavy-Duty Camera Tripod with Dolly & Accessories	3				
3	24 -input SD, HD /3G Broadcast Video Switcher	1				
4	17" Full HD high grade LCD monitor for studio	4				
5	55 inch 4K UHD Professional Display	2				
6	Broadcast quality Character Generator	1				
7	Waveform Monitor – 4K / HD	1				
8	Rack mountable AV Recorder	1				
	Glue Equipment					
9	HD/SD Frame Synchronizer	1				
10	HDMI to SDI Scan converter	1				
11	4-Channel Analog Audio Embedder/Disembedder	3				
12	1x6 3G/HD/SD Re-clocking Distribution Amplifier	6				
13	Analog to HD-SDI Converter	1				
14	HD SDI to Analog Converter	1				
15	HD/SD Sync Generator	2				
16	Analog Video 1x6 Distribution Amplifier	2				
17	Rackmount Frame for Mini-Converters	2				
	Audio Equipment					
18	Compact Digital Audio Mixer	1				
19	Rackmount Audio Monitor	1				
20	Powered 6" Two-Way Studio Monitor pair	3				
21	Handheld Wireless Microphone with Mute Switch	2				

22	Wireless Omni Lavalier Microphone System	2			
23	Wireless Monitor System	3			
24	Omnidirectional clip-on lavalier Microphone with XLR Connector (Black)	3			
25	Handheld Dynamic Microphone	3			
26	Eight Channel wired party line intercom main station with 4 Belt packs & Desktop station	1			
27	Talkback System	1			
28	Analog Telephone Hybrid	1			
29	Microphone Stand	3			
30	Closed-Back Over-Ear Studio Headphones	3			
	AV Equipment				
31	Broadcast quality Channel In A Box Playout Server	1			
32	Professional RF Coax To HDMI TV Tuner For PAL B/G System	1			
	Installation Cable & Connectors				
33	2x24 Digital Video Patch bay (1RU)	2			
34	Cable and Connector	LOT 01			
35	Equipment Rack	1			
36	Installation, Testing , Commissioning & training	LOT 01			

List of Related Services and Completion Schedule

[This table shall be filled in by the Purchaser. The Required Completion Dates should be realistic, and consistent with the required Goods Delivery Dates]

Service	Description of Service	Place where Services shall be performed	Final Completion Date(s) of Services
01	Onsite Training	Government Information Department	Within one week from commissioning
02	Warranty		1 Years from the date of commissioning
03	After sale service Agreement. clauses of the service agreement may negotiate (a copy to be submitted in the bid)		2 nd year to 6 th year

1. Technical Specifications for Broadcast Studio Camera 03 Nos. with Accessories

Brand				
Model				
Country of Origin				
Item No.	Minimum Specifications	Requirement	Compliance (Yes/No)	Bidders Response
A	Features			
1	2/3" Three COMS Image Sensor full HD studio camera system with HD HDR capability for content creation applications and broadcast quality productions. Camera body, 20x lens kit with semi servo remote controls and large viewfinder included			
2	Companion Camera control unit(CCU)			
3	Joystick type of Remote Control Panel			
4	Fibre Hybrid Camera Cables			
5	Colour Full HD Eye finder 2"Colour LCD HD or better			
6	Full HD Colour Large view finder for Studio and OB operations.			
7	Detachable Zoom Lens			
8	Lens remote control system (Servo Zoom & manual Focus)			
9	Image control functions such as Multi Matrix, Skin Tone Detail, Low Key Saturation, Knee Saturation, and Auto Lens Aberration Compensation			
10	Talley			
11	HD Video Trunk and HD Prompter			
12	Duplex Communication			
B	Camera Section			
1	Pickup Device	3-chip 2/3-inch type CMOS		
2	Effective Picture Elements	1920 x 1080 (H x V)		

3	Spectrum System	F1.4 prism system		
4	Lens Mount	2/3-inch type bayonet mount		
5	Built-in Filters ND	Clear, 1/4ND, 1/16ND, 1/64ND		
6	Remotely controllable ND filters	Electrically remote controllable ND Filters.		
7	Sensitivity (at 2000 lx, 3200K, 89.9% reflectance)	F13 (50 Hz) or better		
8	Signal-to-noise Ratio	Typical 60dB or better		
9	Modulation Depth	HD : 60% or higher at 27.5 MHz		
10	Horizontal Resolution	1,000 TV lines or higher		
11	Gain	(-)3, 0, 3, 6, 9, 12 dB or better		
12	Shutter Speeds	1/100, 1/125, 1/250, 1/500, 1/1000, 1/2000 sec. or better		
13	SignalFormats HD	1080/50i, 1080/50p, 1080/25PsF,		
14	SignalFormats SD	576/50i,		
C	Camera Input/output Connectivity			
1	Audio Input	2Channels XLR type: 3-pin, female		
2	MIC IN	(-)60dBu Up to -20dBu		
3	LINE IN	0dBu, balanced		
4	Prompter / Gen-lock	BNC (x1) (Gen-lock in or Prompter out)		
5	Test output	BNC(x1) (Analog output with/without characters), or HD/SD Sync Out		
6	SDI Input / Output	BNC (x1), for HD(SMPTE292-1) prompter out or HD Video Trunk in		
7	SDI Output	BNC (x1), SMPTE ST425-1/ST292-1/259M; 3G/HD-SDI		

8	CCU Connectivity	Hybrid Fibre (x1),		
9	Maximum recommended camera cable distance	600m (max.) or better with supplied camera chain.		
10	Intercom	XLR type: 5-pin, female (x1)		
11	Earphone Output	Stereo mini jack (x1)		
12	Lens	12-pin (x1)		
13	Viewfinder	20-pin (1)		
14	Remote	8-pin (x1)		
15	TRUNK Input/Output, EXT Input/Output TRUNK LINE	D-sub 9-pin, female (x1)		
16	RS232C, or Remote 8pin	RS-422A		
17	USB	USB 2.0 (x1) or better		
18	DC Input	XLR-type 4-pin (x1), DC 10.5 V to 17 V		
19	DC Output	4-pin (x1), DC 10.5 V to 17 V, 1.5 A (max.)		
D	Large Colour Viewfinder			
1	Screen Size	7 inch diagonal) or better		
2	Aspect Ratio	16:9		
3	Picture Elements	1920(H) x 1080(V) - LCD IPS Screen		
E	Lens			
1	Lens Mount	2/3-inch type Bayonet		
2	Focal Length	8.2mm (11/32 inches) to 164mm (6 1/2 inches) or better		
3	Zoom Ratio	20 x or better		
4	Zoom control	Servo/Manual selectable		
5	Maximum Relative Aperture	1: 1.9		

6	Iris	Auto/Manual selectable F1.9 to F16 and C (Close)		
7	Filter Thread	to be specified		
8	Macro	On/Off switchable		
9	Lens Remote Controls	Semi Servo (Servo Zoom & manual Focus)		
F	Accessories to be supplied with camera			
1	Tripod Adaptor			
2	7 inch or Larger Colour Viewfinder			
3	2/3-inch type HD x20 Portable Zoom Lens			
4	Lens Mount Cap			
5	Flange back adjustment chart			
6	Cable clamp belt			
7	V-shoe			
8	Viewfinder Cable 20pin			
9	Tally Number Plate (0~9)			
10	Hybrid Fibre Optical Camera cable			
11	Semi Servo Focus/Zoom Kit			
12	UV Filter			
G	Hybrid Fibre Optic Camera-Cable			
1	Diameter	9.2mm (0.36")		
2	Cable Length	50m (164.04')		
3	SMPTE 304M, 311M,			
4	Connector	LEMO/ Opticon, otherwise Specify		

H	Camera control unit(CCU) - Features			
1	Camera Control Unit for HD Studio Camera System with 4K Upscale and HD HDR Capability			
2	3G-SDI Platform Capable of 1080/50p			
3	Future-Proof 4K Up-scalable and HD HDR Support with CCU			
4	Hardware-based remote control units			
5	MCS (Multi Camera System) capabilities			
6	Long Cable Extension and Choice of Fibre Interface			
7	HD Video Trunk and HD Prompter			
I	Camera Control unit(CCU) - Description	Camera Control unit(CCU) - Specifications		
1	Signal Format			
2	4K 2160 (Optional)	50p		
3	HD 1080	50p, 50i, 25PsF,		
4	HD 720	50p		
5	SD576	50i		
J	Camera Control unit(CCU) - Input/output Connectivity			
1	Hybrid Optical Fibre	Opticon/ LEMO, Otherwise Specify		
2	Max. Hybrid Cable length with portable lens	100m or better		
3	Intercom/Tally/Program	D-sub 25-pin, female		
4	INTERCOM(PROD, ENG)	4Wire/RTS, 0 dBu		
5	PGM	(-)20/0/+4 dBu		
6	Tally	Red, Green		
7	Remote Functions	To be specify		
8	Trunk	D-sub 9-pin, female		
		RS-232C/RS-422A		
9	LAN	RJ 45/8-pin		

10	Reference	Input with loop through	BNC (x2)		
		HD	SMPTE 274M, Tri-Level Sync, 0.6 Vp-p, 75 Ω		
		SD	0.3 Vp-p, 75 Ω), Out Loop Through		
11	Audio Out CH-1, CH-2		XLR 3-pin, male (x2), 0/-20 dBu or better		
K	CCU Remote Control Panel (RCP) - Features				
1	Joystick type control for iris and master black adjustment				
2	Direct operation switches and a touch panel				
3	Ethernet connection capability (RJ-45 /8-pin)				
4	CCU-RCP connection by dedicated cable				
5	Direct Scene file control				
L	General Features				
1	Power Requirements	AC 230 V ±5% , 50 Hz			
2	Operating Temperature	10°C to +40°C or better			
3	Operating Relative Humidity	8% to 90% (non-condensing)			
4	Optional Accessories	Specify and quote separately			
M	General Conditions				
1	Warranty	1 Year Comprehensive-from the date of commission			
2	Support	Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.			
		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.			
3	Spare parts availability	At least Ten(10) years			

4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation & configuration	Installation and configuration should carried out by the bidder with accordance with GID		
8	Training	In-depth training must be provided in the operations and maintenance of the product.		
		Training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

2. Technical Specifications for Professional Heavy- duty Camera Tripod 03 Nos. with Dolly &Accessories

Brand				
Model				
Country of Origin				
Item No.	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Features			
1	Professional Aluminium Two stage Tripod System with Mid-level Spreader and Dolly			
2	Fluid Head with Two Pan Handles			
3	Fully adjustable Continuous Counterbalance			
4	Balance Stabilizer Mechanism to prevent wobble on image			
5	Smooth balancing system			
6	Drag and torque system			
7	7-step or more pan and tilt torque switch			
8	1-touch attachment and release			
9	Professional tripod case			
B	Description	Specifications		
1	Ball diameter	100mm		
2	Payload	17.0 kg or better		
3	Counterbalance Range	5.5 to 14 kg or better		
4	Counterbalance	Continuous		
5	Drag Mode	7-step or better		
6	Tilt Angle	(+)90 to -70° or better		
7	Bubble Level	Illuminated		
8	Camera Plate	Sliding plate		
9	Sliding Range	(±)2.2" (5.5 cm)		

10	Height range	65 to 170 cm or better		
11	Foldable Length	95cm or less		
C	Dolly			
1	Payload	45 Kg or better		
2	Weight	Approx. 4 Kg		
3	Caster Diameter	100mm or better		
4	Pipe Material	Aluminium		
5	Pipe Dimensions	Outer Suare 30mm x 30mm or better		
6	Sliding range	155mm or better		
D	General Conditions			
1	Warranty	1 Year Comprehensive- from the date of commission		
2	Support	Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		
		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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		

6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation	Installation should carried out by the bidder with accordance with GID		
8	Training	In-depth training must be provided in the operations and maintenance of the product.		
		Training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

3 Technical Specifications for 24 -input SD, HD /3GI Broadcast Video Switcher 01No.

Brand				
Model				
Country of Origin				
Item No.	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Features			
1	24 input, Multiple signal source formats in SD, HD (1080i/720p/1080p)			
2	2 M/E configuration with 16 source button layout Control panel			
3	2 Keyers per M/E			
4	built-in clip player, still logo keys			
5	Fully flexible internal multi-viewer with configurable 2 heads and 16 tiles			
6	Frame Memory with stills, clips or audio files.			
7	Built-in redundant power supply.			
B	Video Inputs/outputs			
1	Inputs (BNC)	24 or higher , HD-SDI		
2	Outputs (BNC)	16 or higher, HD / SD -SDI		
3	Signal format	SMPTE 259M-C, 292M, 424M, ST425-1, ST 2082-1		
4	Signal Processing	4 : 2 : 2 digital component		
5	Quantization	3G/HD/SD-SDI : 10-bit		
6	Reference input	BNC (x2), 75 Ω with loop-through output HD tri-level sync or Analog black burst		
7	Frame Synchronizer	Internal frame synchronizers (all inputs)		
8	Multi View Output	2 x SDI		
9	Video Sampling	4:2:2		

C	Control Surface			
1	Mix Controller	16x Direct Cross Points 2 x M/E Rows		
2	LCD Display	Built in or External LCD		
3	Controls	1 x 3-Axis Joystick 2 x Fader Bars		
4	Redundant Power	Yes		
D	Control Ports			
1	LAN	RJ-45 (x1), 1000BASE-T,		
2	GPI	D-sub 25-pin (x1),		
3	USB	USB 2.0		
4	TALLY/GPI	D-sub 25-pin (x1),		
5	TALLY/GPI, RS-422	D-sub 25-pin (x1)		
E	Accessories Required			
1	Aux Remote control panel 01No.	12 source buttons or better		
F	Motoring			
1	Multi-viewer Monitor 01No.	55" or better Full HD TV with HDMI inputs		
G	General Features			
1	Power Requirements	AC 230 V \pm 5% , 50 Hz including redundant power supply		
2	Operating Temperature	10°C to +40°C or better		
3	Operating Relative Humidity	8% to 90% (non-condensing)		
4	Optional Accessories	Specify and quote separately		
H	General Conditions			
1	Warranty	1 Year Comprehensive- from the date of commission		
		Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		

2	Support	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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation & configuration	Installation & configuration should carried out by the bidder with accordance with GID		
8	Training	In-depth training must be provided in the operations and maintenance of the product.		
		Training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

4 Technical Specifications for 17" Full HD high grade LCD monitor 04Nos.

Brand				
Model				
Country of Origin				
Item No	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A Features				
1	17" Full HD (1920 x 1080) HDR LCD monitor			
2	SMPTE ST2084, S-Log3, S-Log2 and 2.4(HDR) supported			
3	Lightweight and compact with lower power consumption			
4	Optimised low-latency I/P conversion (less than 0.5 field)			
5	Video inputs: 3G/HD/SD-SDI (x2), HDMI (HDCP) input (x1) and composite (x1).			
6	Computer input via an HDMI/DVI interface; the resolution range is from 640 x 480 to 1680 x 1050 pixels.			
7	Waveform monitor, vector scope and audio level meter display			
8	Camera focus function			
9	Time code function			
10	On screen Tally			
B Specifications				
1	Panel	a-Si TFT Active Matrix LCD		
2	Picture Size (Diagonal)	16.5 inches		

3	Effective Picture Size (H x V)	365.8 x 205.7 mm 14 1/2 x 8 1/8inches		
4	Resolution (H x V)	1920 x 1080 pixels (Full HD)		
5	Aspect Ratio	16:9		
6	Pixel Efficiency	99.99%		
7	Colours	Approx. 1,073 million colours or better		
8	Viewing Angle (Panel Specification)	85°/85°/85°/85° (typical) (up/down/left/right contrast > 10:1) or better		
C Inputs				
1	Composite Input	BNC (x1), 1 Vp-p ±3dB, sync negative		
2	SDI Input	BNC (x2)		
3	HDMI Input	HDMI (x1) (HDCP correspondence)		
4	Audio Input	Stereo mini jack (x1), -5 dBu 47 kΩ or higher		
5	Parallel Remote	RJ-45 Modular connector 8-pin (x1) (Pin-assignable)		
8	Serial Remote (LAN)	RJ-45 (x1) (Ethernet, 10BASE-T/100BASE-TX)		
9	DC Input	XLR-type 4-pin (male) (x1), DC 12 V to 17 V (output impedance 0.05 Ω or less)		
D Outputs				
1	Composite Output	BNC (x1), Loop-through, with 75 Ω automatic terminal function		
2	SDI Output	BNC (x2), output signal amplitude: 800 mVp-p ±10%, output impedance: 75 Ω unbalanced		
3	Audio Monitor Output	Stereo mini jack (x1)		

4	Speaker (Built-in) Output	1.0 W (Monaural)		
5	Headphone Output	Stereo mini jack (x1)		
6	Accessories to be supplied with the unit	AC power cord (1)		
		AC plug holder (1)		
		Handle (1) (including 4 screws)		
		Monitor Stand		
E	General Features			
1	Power Requirements	AC 230 V \pm 5% , 50 Hz		
2	Operating Temperature	10°C to +40°C or better		
3	Operating Relative Humidity	8% to 90% (non-condensing)		
4	Optional Accessories	Specify and quote separately		
F	General Conditions			
1	Warranty	1 Year Comprehensive- from the date of commission		
2	Support	Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		
		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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		

6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation	should carried out by the bidder with accordance with GID		
8	Training	In-depth training must be provided in the operations and maintenance of the product.		
		Training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

5 Technical Specification for 55 inch 4K UHD Professional Display 02Nos.

Brand				
Model				
Country of Origin				
Item No	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Features			
1	Diagonal Size	65"		
2	Type	Edge LED		
3	Resolution	3840*2160 (4K UHD)		
4	Pixel Pitch(mm)	0.372 x 0.372		
5	Active Display Area(mm)	1428.48 (H) x 803.52 (V)		
6	Brightness(Typ.)	500 nit		
7	Contrast Ratio	4000:1		
8	Viewing Angle(H/V)	178/178		
9	Response Time(G-to-G)	8ms(Typ.)		
10	Display Colors	16.7M(True Display) 1.07B(Ditherd 10bit)		
11	Color Gamut	92% (DCI-P3, CIE 1976)		
12	Operation Hour	24/7		
13	Speaker Type	Built in Speaker(10W + 10W)		
B	Input			
1	RGB	DVI-D, Display Port 1.2 (1)		
2	Video	HDMI 2.0 x 2		
3	HDCP	HDCP2.2		

4	Audio	Stereo mini Jack, DVI, HDMI		
5	USB	USB 2.0 x 2		
C Output				
1	RGB	HDMI 2.0 (Loop-out)		
2	Audio	Stereo mini Jack		
3	External Control	RS232C(in/out) thru stereo jack, RJ45		
4	External Sensor	IR		
D General Features				
1	Power Requirements	AC 230 V \pm 5% , 50 Hz		
2	Operating Temperature	10°C to +40°C or better		
3	Operating Relative Humidity	8% to 90% (non-condensing)		
4	Optional Accessories	Specify and quote separately		
E General Conditions				
1	Warranty	1 Year Comprehensive- from the date of commission		
2	Support	Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		
		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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		

6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation & configuration	Installation & configuration should carried out by the bidder with accordance with GID		
8	Training	In-depth training must be provided in the operations and maintenance of the product.		
		Training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

6 Technical Specification Broadcast quality Character Generator 01No.

Brand				
Model				
Country of Origin				
Item No.	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Features			
1	GPU-based rendering engine that supports all SD and HD modes			
2	support for HD video modes			
3	support for up to 4 simultaneous inputs			
4	support for SDI or NDI inputs			
5	64-bit application			
6	Implemented a new blending mode that improves the look of the highly transparent pictures / rectangles and eliminates the black contour of the white text			
7	On the fly lossless compression of the textures			
8	possibility to play clips covering a wide variety of codecs and containers (like H264, Quick time, png or tga with alpha etc)			
9	lower CPU consumption for live capturing			
10	support for Open Type fonts			
11	support for GPU accelerated text rasterization (by using Direct2D)			
12	"2D text fit" feature for Arabic text			
13	kerning support for GPU accelerated 2D text items			
14	auto fit with kerning support			
15	implemented "text-justify" as an option for text fit feature			
16	possibility to adjust the distance between rows of text			
17	manager application with watch-dog and email reporting			

18	extended logging			
19	CG Software should be compatible with Sinhala and Tamil Fonts			
B	Hardware Specification			
1	Intel Core i7 / Xeon 8 Core or better			
2	16GB DDR4 Memory			
3	500GB NVMe			
4	2 x 4TB HDD			
5	GTX 1070 or better			
6	1 x HD Input			
7	2 x HD Output			
C	Input /Output Device Configuration			
1	Key Board	USB Keyboard		
2	Mouse	USB Laser Scroll Mouse 1200dpi or Better		
3	Monitor	24" Professional LED Computer Monitor or Better		
D	Software Requirement			
1	Operating System	Genuine Software with required license		
2	Application/ System	Genuine Software with required license		
3	Other	Any required software should be supplied with the System		
E	General Features			
1	Power Requirements	AC 230 V \pm 5% , 50 Hz		
2	Operating Temperature	10°C to +40°C or better		
3	Operating Relative Humidity	8% to 90% (non-condensing)		
4	Optional Accessories	Specify and quote separately		
F	General Conditions			
1	Warranty	1 Year Comprehensive- from the date of commission		

2	Support	Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		
		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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation & configuration	Installation & configuration should carried out by the bidder with accordance with GID		
8	Training	In-depth training must be provided in the operations and maintenance of the product.		
		Local training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

7 Technical Specification for Waveform Monitor –HD / 4K- 01No.

Brand				
Model				
Country of Origin				
Item No	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Display			
1	Number of Displays	2		
2	Panel Type	TFT LCD		
3	Display Size	8.0" / 20.3 cm		
4	Screen Resolution	800 x 480		
5	Aspect Ratio	16:9		
6	Touchscreen	No		
7	Bit Depth / Color Support	8-Bit (16.7 Million Colors)		
8	Pixels Per Inch (ppi)	117 ppi		
9	Real-Time LUT Monitoring	SDR		
10	Image Controls	Blue Only, Focus Peaking, Histogram, Image Flip, Pixel Zoom, RGB Parade, Screen Markers, Vectorscope, Waveform		
11	I/O			
12	Video	2 x BNC (6G-SDI) Output		
13		2 x BNC (6G-SDI) Input		
14	Embedded Audio	SDI: 16-Channel		
15	Audio	None		

16	Built-In Speaker	None		
17	Other I/O	2 x LAN (RJ45)		
		1 x USB 2.0 (USB Type-A)		
		1 x Tally (DE-9/DB-9)		
B	Format Support			
1	Video Format	HD/SD-SDI (4:4:4)		
1.1		UHD 4K: 30/29.97/25/24/23.98		
1.2		DCI 2K: 25/24/23.98		
1.3		1080p: 60/59.94/50/30/29.97/25/24/23.98		
1.4		1080PsF: 30/29.97/25/24/23.98		
1.5		1080i: 60/59.94/50		
1.6		720p: 60/59.94/50		
1.7		480i		
1.8		576i		
C	General Features			
1	Power Requirements	AC 230 V \pm 5% , 50 Hz		
2	Operating Temperature	10°C to +40°C or better		
3	Operating Relative Humidity	8% to 90% (non-condensing)		
4	Optional Accessories	Specify and quote separately		
D	General Conditions			
1	Warranty	1 Year Comprehensive- from the date of commission		
		Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		

2	Support	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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation & configuration	Installation & configuration should carried out by the bidder with accordance with GID		
8	Training	In-depth training must be provided in the operations and maintenance of the product.		
		Training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

8 Technical Specification Rack Mountable AV Recorder 01No.

Brand				
Model				
Country of Origin				
Item No	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Video Input	Digital Video		
1		1 x SDI (10-Bit SD/HD/3G Switchable)		
2		1 x SDI (10-Bit SD/HD/3G/6G UHD Switchable)		
3		Analog Video		
4		1 x Component YUV (3 x BNC) SD/HD		
B	Video Output	Digital Video		
1		2 x SDI (10-Bit SD/HD/3G Switchable)		
2		1 x SDI (10-Bit SD/HD/3G/6G UHD Switchable)		
3		1 x SDI Monitor Output (10-Bit SD/HD/3G Switchable)		
4		1 x HDMI 1.4 type A (Supports UHD 4K)		
5		Analog Video		
6		1 x Component YUV (3BNC) SD/HD		
C	Audio Input	Analog		
1		2 x 3-Pin XLR Balanced Connectors		
2		2 x RCA Jacks for Unbalanced Audio		
3		Digital		
4		SDI		
5		16 x Channels Embedded in SD and HD in QuickTime Files		

6		2 x Channels in Avid DNxHD MXF files.		
7	Audio Output	Analog		
		2 x 3-Pin XLR Balanced Connectors		
		Digital		
		SDI		
		16 x Channels Embedded in SD and HD in QuickTime Files		
8	Timecode	Input: 1 x XLR		
		Output: 1 x XLR		
9	Computer Interface	1 x USB 2.0 Mini-B for Initial Setup,		
10	SSD Interface	2 x 2.5" SATA-II or SATA-III 3Gb/s		
11	Media Formats	ExFAT (Windows/Mac) or HFS+ (Mac)		
12	Sync Input	Black burst or Tri-Sync		
13	Device Control	Sony-Compatible RS-422 Deck Control Port		
14	Recorder	Recorder Control:		
15	Format Support	UHD 4K /HD (HDMI Only)		
		2160P: 30/29.97/25/24/23.98		
		1080p: 60/59.94/50/30/29.97/25/24/23.98		
		1080PsF: 30/29.97/25/24/23.98		
		1080i: 60/59.94/50		
		720p: 60/59.94/50		
		525i: 59.94 NTSC		
		625i: 50 PAL		
16	SDI Compliance	SMPTE 259M, 292M, 296M, 425M		
17	SDI Metadata Support	Timecode: HD RP188		
18	Video Sampling	4:2:2		
19	Audio Sampling	48 kHz, 24-Bit		

20	Color Precision	10-Bit		
21	Color Space	REC 601		
		REC 709		
20	Codecs Supported	Uncompressed QuickTime		
		Apple ProRes 422 (HQ) QuickTime		
		ProRes 422 QuickTime		
		ProRes 422 (LT) QuickTime		
		ProRes 422 (Proxy) QuickTime		
		Avid DNxHD QuickTime		
		Avid DNxHD MXF up to 1080i60		
21	LCD Display	Color 2.2" or better		
22	Internal Power Supply	110-240 V, 50-60 Hz		
23	SSD Drives	4 x 500GB SSD compatible with recorder		
D	General Features			
1	Power Requirements	AC 230 V \pm 5% , 50 Hz		
2	Operating Temperature	10°C to +40°C or better		
3	Operating Relative Humidity	8% to 90% (non-condensing)		
4	Optional Accessories	Specify and quote separately		
E	General Conditions			
1	Warranty	1 Year Comprehensive- from the date of commission		
2	Support	Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		
		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.		

3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation,configuration, testing andcommissioning	Installation, configuration, testing and commissioning of the entire system should carried out by the bidder with accordance with GID		
8	Training	In-depth training must be provided in the operations and maintenance of the product.		
		Local training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

Brand				
Model				
Country of Origin				
Item No	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A Inputs				
1	2 x BNC, SD/HD/3G/6G/12G-SDI (inputs can be separate or unified for dual-link functionality)			
2	1 x HDMI Type A, v2.0			
3	1 x Optical fiber (optional)			
4	1 x Stereo RCA, analog audio			
5	2 x XLR, balanced analog audio, AES/EBU digital audio			
6	1 x BNC, reference			
7	1 x USB-C			
8	1 x RJ45, Ethernet			
B Outputs				
1	2 x BNC, SD/HD/3G/6G/12G-SDI (outputs can be separate or unified for dual-link functionality)			
2	4 x BNC, SD/HD/3G-SDI (quad-link 4K output or replicated SDI output option)			
3	1 x HDMI Type A, v2.0			
4	1 x Optical fiber (optional, not available with dual-link operation)			
5	1 x BNC, reference output			
C Format Support				
1	3840 x 2160: 23.98/24/25/29.97/30/50/59.94/60			

2	2048 x 1080p: 23.98/24			
3	2048 x 1080PsF: 23.98/24			
4	1080p: 23.98/24/25/29.97/30/50/59.94/60			
5	1080PsF: 23.98/24/25/29.97/30			
6	1080i: 50/59.94/60			
7	720p: 50/59.94/60			
8	NTSC			
9	PAL			
D	Other Features			
1	SDI Compliance	SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 372M, SMPTE 425M		
2	Audio Sampling	HD: 24-bit, 48 kHz		
3		SD: 20-bit, 48 kHz		
4	Video Sampling	04:02:02		
5	Color Depth	10-bit		
6	Color Space	REC 601, REC 709		
7	Operating System Support	Mac OS X 10.10 or later Windows 8.1, 10		
E	General Features			
1	Power Requirements	AC 230 V \pm 5% , 50 Hz		
2	Operating Temperature	10°C to +40°C or better		
3	Operating Relative Humidity	8% to 90% (non-condensing)		
4	Optional Accessories	Specify and quote separately		
F	General Conditions			
1	Warranty	1 Year Comprehensive- from the date of commission		
		Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		

2	Support	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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation,configuration, testing andcommissioning	Installation, configuration, testing and commissioning of the entire system should carried out by the bidder with accordance with GID		
8	Training	In-depth training must be provided in the operations and maintenance of the product.		
		Local training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

10 Technical Specification for HDMI to SDI Scan converter01No.

GlueEquipment

Brand				
Model				
Country of Origin				
Item No	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Input Formats	Video:		
1		1080p 23.98/24/25/29.97/30/50/59.94/60		
2		1080i 25/29.97		
3		720p 50/59.94/60		
4		580p		
5		480p		
6		PAL		
7		VESA:		
8		Maximum: 1920 x 1200 (WUXGA), 60 Hz		
10		Minimum: 640 x 480 (VGA), 166 Hz (limited by HDMI receiver max pixel rate)		
B	Output Formats	Video:		
1		1080p 23.98/24/25/29.97/30/50/59.94/60		
2		1080i 25/29.97		
3		720p 50/59.94/60		
4		PAL		

C	Color Range	Full		
1		SMPTE		
D	I/O interfaces			
1	Reference Input	1080p tri-level sync		
2		1080i tri-level sync		
3		720p tri-level sync		
4		PAL 625 bi-level sync		
5	Video Inputs	1 x HDMI (with 24-bit 8-channel embedded audio)		
6	Video Outputs	1 x HDMI (loop through with 24-bit 8-channel embedded audio)		
7		1 x BNC SD/HD/3G-SDI (with 24-bit 2-channel or 8-channel embedded audio)		
8	HDCP	Does not encode or accept encrypted signals		
9	Audio Inputs	1 x 3.5mm TRS analog stereo		
10	Computer Interface	1 x USB port		
E	General Features			
1	Power Requirements	AC 230 V \pm 5% , 50 Hz		
2	Operating Temperature	10°C to +40°C or better		
3	Operating Relative Humidity	8% to 90% (non-condensing)		
4	Optional Accessories	Specify and quote separately		
F	General Conditions			
1	Warranty	1 Year Comprehensive- from the date of commission		
		Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		

2	Support	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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation & configuration	Installation & configuration should carried out by the bidder with accordance with GID		
8	Training	In-depth training must be provided in the operations and maintenance of the product.		
		Training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

11. Technical Specification for 4-channel Analog audio Embedder/De-embedder -3Nos.

GlueEquipment

Brand				
Model				
Country of Origin				
Item No.	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Main Features			
1	3G-SDI Input and Output up to 1080P			
2	4-channel balanced audio Embedder/De-embedder			
3	Audio De-embedding is always functional with four Analog outputs			
4	Audio Embedding is user selectable to either pass 3G-SDI input audio or embed input analog audio			
5	Selectable Analog audio levels			
6	Automatically detects and configures the input video standard			
7	Small form factor allows for a wide variety of installation locations			
8	Supplied XLR breakout cable offers 4-channels In and 4-channels Out over eight XLR connectors			
9	USB connectivity via software			
10	Dipswitch configuration			
11	Computer Interface	1 x USB port		
B	General Features			
1	Power Requirements	AC 230 V \pm 5% , 50 Hz		
		+5-16 VDC Power		
2	Operating Temperature	10°C to +40°C or better		
3	Operating Relative Humidity	8% to 90% (non-condensing)		
4	Optional Accessories	Specify and quote separately		

M	General Conditions			
1	Warranty	1 Year Comprehensive- from the date of commission		
2	Support	Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		
		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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation & configuration	Installation & configuration should carried out by the bidder with accordance with GID		
		In-depth training must be provided in the operations and maintenance of the product.		

8	Training	Training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		
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12 Technical Specifications for 1x6 3G/HD/SD Re-clocking Distribution Amplifier06Nos.

GlueEquipment

Brand				
Model				
Country of Origin				
Item No	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Main Features			
1	Miniature, 1x6 3G HD-SDI/HD-SDI/SDI re-clocking distribution amplifier. Featuring six separately buffered SDI outputs, provides automatic input detection, re-clocking and cable equalization.			
2	Compact SD/HD distribution			
3	Six separately buffered outputs			
4	3G/HD/SD-SDI input, auto sensing			
5	3G cable equalization			
6	Universal Power Supply with international plug connections			
B	Description	Specifications		
1	Video Formats	100 Mbps - 3 Gbps, format agnostic		
2	Video Input Digital	1 x 3G-SDI BNC, SMPTE-259/292/424		
3	Video Output Digital	6 x 3G-SDI BNC, SMPTE-259/292/424		
4	Cable Equalization (Approx)	3 Gbps	120m	
		1.5 Gbps	200m	
		270 Mbps	350m	
5	Input / Output Return Loss	>15db, 270 Mb - 3 Gb		
6	Auto Select Re-clocking bit rates	2.970 Gbps, 2.967 Gbps, 1.485 Gbps, 1.483 Gbps,		

		270 Mbps or better		
7	Computer Interface	1 x USB port		
C	General Features			
1	Power Requirements	AC 230 V \pm 5% , 50 Hz AC Adapter: universal input with UK plug(BS-1363).		
2	Operating Temperature	10°C to +40°C or better		
3	Operating Relative Humidity	8% to 90% (non-condensing)		
4	Optional Accessories	Specify and quote separately		
D	General Conditions			
1	Warranty	1 Year Comprehensive- from the date of commission		
2	Support	Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		
		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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		

6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation & configuration	Installation & configuration should carried out by the bidder with accordance with GID		
8	Training	In-depth training must be provided in the operations and maintenance of the product.		
		Training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

13 Technical Specifications for Analog to HD-SDI Converter –01No.

GlueEquipment

Brand				
Model				
Country of Origin				
Item No	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Main Features			
1	Analog Video Input	Component SD/HD, NTSC, PAL, and S-Video		
2	SDI Video Output	2x SDI on BNC (automatically matches SD, HD, 3G,)		
3	Analog Audio Input	2 channels professional balanced analog audio via XLR connectors		
4	AES/EBU Audio Input	4 channels professional 110 ohm balanced digital audio via XLR connectors		
5	Multi Rate Support	SDI output switchable between HD for composite and S-Video and 4K for component HD		
6	Re-Clocking	Should be available		
7	SDI Format Support	525/29.97 NTSC, 625/25 PAL, 1280 x 720p50, 1280 x 720p59.94, 1280 x 720p60, 1920 x 1080i50, 1920 x 1080i59.94, 1920 x 1080i60, 1920 x 1080p23.98, 1920 x 1080p24, 1920 x 1080p25, 1920 x 1080p29.97, 1920 x 1080p30, 1920 x 1080p50, 1920 x 1080p59.94,		

8	Analog Format Support	625/25 PAL, 525/23.98 NTSC, 525/29.97 NTSC, 1920 x 1080i50, 1920 x 1080i59.94, 1920 x 1080i60, 1280 x 720p50, 1280 x 720p59.94, 1280 x 720p60		
9	SDI Compliance	SMPTE 292M, SMPTE 259M,		
10	SDI Video Rates	SDI video connections are switchable between standard definition and high definition		
11	SDI Video Sampling	4:2:2 and 4:4:4		
12	Rackmount Adaptor	Should be available		
B	General Features			
1	Power Requirements	AC 230 V \pm 5% , 50 Hz		
2	Operating Temperature	10°C to +40°C or better		
3	Operating Relative Humidity	8% to 90% (non-condensing)		
4	Optional Accessories	Specify and quote separately		
C	General Conditions			
1	Warranty	1 Year Comprehensive- from the date of commission		
2	Support	Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		
		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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		

5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
6	Support claims of compliance	<p>Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.</p> <p>A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.</p>		
7	Installation & Configuration	Installation & configuration should carried out by the bidder with accordance with GID		
8	Training	<p>In-depth training must be provided in the operations and maintenance of the product.</p> <p>Training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.</p>		

14 Technical Specifications for HD SDI to Analog Converter –01No.

GlueEquipment

Brand				
Model				
Country of Origin				
Item No	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Main Features			
1	Analog Video Input	Component SD/HD, NTSC, PAL, and S-Video		
2	SDI Video Output	2x SDI on BNC (automatically matches SD, HD, 3G,)		
3	Analog Audio Input	2 channels professional balanced analog audio via XLR connectors		
4	SDI Video Input	1x HD-SDI SD/HD/		
5	SDI Video Output	1x 3G-SDI loop output		
6	Analog Video Output	Component SD/HD, NTSC, PAL, and S-Video		
7	Analog Audio Output	2 channels professional balanced analog audio via XLR connectors		
8	AES/EBU Audio Output	4 channels professional 110 ohm balanced digital audio via XLR connectors		
9	Multi Rate Support	Automatic switching between SD/HD		
10	Updates and Configuration	USB or Ethernet		
11	Re-Clocking	Should be available		
12	SD Format Support	525/29.97 NTSC, 625/25 PAL		

B	General Features			
1	Power Requirements	AC 230 V \pm 5% , 50 Hz		
2	Operating Temperature	10°C to +40°C or better		
3	Operating Relative Humidity	8% to 90% (non-condensing)		
4	Optional Accessories	Specify and quote separately		
C	General Conditions			
1	Warranty	1 Year Comprehensive- from the date of commission		
2	Support	Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		
		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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed		

		along with the offer.		
7	Installation & Configuration	Installation & configuration should carried out by the bidder with accordance with GID		
8	Training	In-depth training must be provided in the operations and maintenance of the product.		
		Training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

15 Technical Specifications for HD/SD Sync Generator02No.

GlueEquipment

Brand				
Model				
Country of Origin				
Item No.	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Main Features			
1	Formats	• 1080i 50, 59.94,60		
		• 1080PsF23.98,24,25,29.97,30		
		• 1080p 23.98,24, 25, 29.97, 30		
		• 720p23.98,24,25,29.97,30,50,59.94,60		
		• 625i,525i		
3	HD Sync	• Tri-level		
4	SD Sync	• Color, Black, 75% ColorBars		
5	AES	• AES-11,48kHz,silentor1KHztone(-20or-18dBFS)		
6	Accuracy	• 3ppm		
7	User Controls	• Externaldipswitch		
B	General Features			
1	Power Requirements	AC 230 V ±5% , 50 Hz		
2	Operating Temperature	10°C to +40°C or better		
3	Operating Relative Humidity	8% to 90% (non-condensing)		
4	Optional Accessories	Specify and quote separately		
C	General Conditions			
1	Warranty	1 Year Comprehensive- from the date of commission		

2	Support	Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		
		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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation,configuration, testing andcommissioning	Installation, configuration, testing and commissioning of the entire system should carried out by the bidder with accordance with GID		
8	Training	In-depth training must be provided in the operations and maintenance of the product.		
		Training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

16 Technical Specifications for Analog Video 1x6 Distribution Amplifier -02Nos.

GlueEquipment

Brand				
Model				
Country of Origin				
Item No	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Main Features			
1	Miniature, 1x6 analog video distribution amplifier			
2	Bi-level video and tri-level video reference signals			
B	Main Specifications			
1	Inputs	1 Analog, Differential, 1 x BNC, HD-SDI		
2	Outputs	6 Analog, 6 x BNC, HD-SDI		
3	Termination	75 Ohms or nonterminated		
4	Video Bandwidth	0 – 6 MHz +/- 0.1dB		
5	Gain	3dB, -2dB, -1dB, 0dB, +1dB, +2dB, or +3dB, +/- 0.3dB		
6	Diff Gain	0.15%, not load dependent		
7	Diff Phase	0.1 degree, not load dependent		
8	H/V Tilt	< 0.1dB 1 to 6 loads		
9	Coupling	DC		
10	Max Common Mode Signal	10Vp-p		
11	Return Loss	> 35dB to 6 MHz all inputs and outputs		
12	Output Isolation	>40dB		
13	User Controls	External Dipswitch		
		Termination		
		Gain		

C	General Features			
1	Power Requirements	AC 230 V \pm 5% , 50 Hz AC Adapter: universal input with UK plug(BS-1363).		
2	Operating Temperature	10°C to +40°C or better		
3	Operating Relative Humidity	8% to 90% (non-condensing)		
4	Optional Accessories	Specify and quote separately		
D	General Conditions			
1	Warranty	1 Year Comprehensive- from the date of commission		
2	Support	Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		
		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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
		Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		

6	Support claims of compliance	A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation & configuration	Installation & configuration should carried out by the bidder with accordance with GID		
8	Training	In-depth training must be provided in the operations and maintenance of the product.		
		Training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

17 Technical Specifications for Rackmount Frame for Mini-Converters02Nos.

GlueEquipment

Brand				
Model				
Country of Origin				
Item No	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Main Features			
1	Universal 100-240V, 50/60Hz Power Input			
2	Twelve separate +5V DC regulated outputs (hard-wired to power supply)			
3	Mounting slots for up to 12 Mini-Converters			
4	Front Cover Plate to be supplied			
B	Main Specifications			
1	Width:	standard 19" rack mount		
2	Height:	2 RU		
3	Depth:	9" (22.86 cm)		
C	General Features			
1	Power Requirements	AC 230 V \pm 5% , 50 Hz		
		Redundant Power supply		
2	Operating Temperature	10°C to +40°C or better		
3	Operating Relative Humidity	8% to 90% (non-condensing)		
4	Optional Accessories	Specify and quote separately		
D	General Conditions			
1	Warranty	1 Year Comprehensive- from the date of commission		
		Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		

2	Support	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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation & configuration	Installation & configuration should carried out by the bidder with accordance with GID		
8	Training	In-depth training must be provided in the operations and maintenance of the product.		
		Training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

Audio Equipment

18 Technical Specifications for Compact Digital Audio Mixer01No.

AudioEquipment

Brand				
Model				
Country of Origin				
Item No.	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Mixer			
1	Number of Analog Input Channels	16		
2	Mix Routing	1 x Main LRC		
	2.1	1 x Subgroup		
	2.2	6 x Stereo Aux Send		
	2.3	8 x Mono Aux Send		
3	Groups	8 x DCA Group		
4	Faders	100 mm Motorized		
B	Signal Processing			
1	Gain/Trim Range	-6 dB to +66 dB		
2	Graphic EQ	Should be available		
3	Built-In Effects	8 x Effect (Type Unspecified)		
4	Digital Audio			
	4.1 Sample Rates	48 kHz		
	4.2 Bit Depth	Record: 24-Bit		
	4.3 Converter Dynamic Range	D/A: 110 dB		
	4.5 Latency	< 2.6 ms (Analog Input to Analog Output)		
C	Performance			

1	Frequency Response		20 Hz to 20 kHz +0.5/-1.5 dB		
2	Max Input Level		Mic/Line Input: +30 dBu		
			Stereo Input: +10 dBV		
3	Output Level		Output: +4 dBu (Nominal)/ +24 dBu (Max)		
4	Analog Dynamic Range		107 dB at Min Gain		
5	Headphone Output Power		3 mW - 75 mW (Max)		
6	I/O Impedance				
	6.1 Combo XLR-1/4" Input:		7.5 Kilohms		
	6.2 Stereo RCA Input:		10 Kilohms		
	6.3 XLR Output:		75 Ohms		
	6.4 Headphone Output:		100 Ohms		
7	Crosstalk		-100 dB		
8	EIN		-128 dBu at Max Gain (2901653035)		
9	Noise Floor		-85 dBu A-Weighted		
10	THD		< 0.05% at Min Gain (+4 dBu)		
D Connectivity					
1	Analog Inputs	1.1	1 x 1/4" TS Foot switch Input		
		1.2	2 x Stereo RCA Unbalanced Input		
		1.3	16 x Combo XLR-1/4" TRS Balanced Mic/Line Input		
		1.4	2 x Stereo RCA Stereo Line Input		
2	Analog Outputs	2.1	16 x XLR Balanced Output		
		2.2	1 x 1/4" TRS Unbalanced Headphone Output		
3	Digital I/O		1 x RJ45 (Network)		
4	USB	4.1	1 x USB Type-B (Host Connection)		
		4.2	2 x USB Type-A (Control, External Memory)		
5	Expansion Ports		1 x I/O Card		
E Recording					

1	Max Multitrack Recording		34 Tracks		
2	File Format Support	2.1	Playback: MP3, WAV		
		2.2	Record: WAV		
F	General Features				
1	Power Requirements		AC 230 V \pm 5% , 50 Hz		
2	Operating Temperature		10°C to +40°C or better		
3	Operating Relative Humidity		8% to 90% (non-condensing)		
4	Optional Accessories		Specify and quote separately		
G	General Conditions				
1	Warranty		1 Year Comprehensive- from the date of commission		
2	Support		Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		
			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.		
3	Spare parts availability		At least Ten(10) years		
4	Eligibility		The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization		The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
			Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		

6	Support claims of compliance	A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation,configuration, testing andcommissioning	Installation, configuration, testing and commissioning of the entire system should carried out by the bidder with accordance with GID		
8	Training	In-depth training must be provided in the operations and maintenance of the product.		
		Training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

19 Technical Specifications for Rack mount SDI- Embedded Audio Monitor01No.

AudioEquipment

Brand					
Model					
Country of Origin					
Item No.	Minimum Specifications		Requirement	Compliance (Yes/No)	If No Bidders Response
A	Main Features				
1	Amplifiers		Class-D		
2	Inputs	2.1	1 x SDI, Video		
		2.2	2 x XLR, Analog Audio		
		2.3	2 x RCA, Stereo Audio		
		2.4	1 x XLR, AES/EBU 2 Channels Balanced		
3	Output	3.1	1 x SDI, Video Loop Out		
		3.2	1 x HDMI 2.0, Video		
		3.3	1 x 1/4" / 6.5 mm Headphone Jack		
4	Control	4.1	1 x USB Type-C, Port		
		4.2	1 x RJ45, Ethernet Port		
5	SDI Rate		270 Mb, 1.5G, 3G, 6G, and 12G		
6	Built-In Speakers		2-Way Stereo, 2 x Subwoofers, 2 x Full-Range Drivers		
7	Metering		2 x 27-Segment RGB LED VU, PPM, or Loudness Meters		
8	SD Video Standards		525i59.94 NTSC and 625i50 PAL		
9	HD Video Standards	9.1	1080p at 50, 59.94, and 60		
		9.2	1080p at 23.98, 24, 25, 29.97, and 30		
		9.3	1080PsF at 23.98, 24, 25, 29.97, and 30		
		9.4	1080i at 50, 59.94, and 60		
		9.5	720p at 50, 59.94, and 60		
10	2K Format Support	10.1	2K DCI at 23.98p, 24p, and 25p		

		10.2	2K at 23.98PsF, 24PsF, and 25PsF		
11	Ultra HD Format Support		2160p at 23.98, 24, 25, 29.97, 30, 50, 59.94, and 60		
12	4K Format Support		4K DCIp at 23.98, 24, 25, 29.97, 30, 50, 59.94, and 60		
13	SDI Compliance		SMPTE 259M, SMPTE 292M, SMPTE 296M, SMPTE 372M, SMPTE 424M, SMPTE 425M Level A and B, SMPTE 2081-1, SMPTE 2081-10, SMPTE 2082-1, and SMPTE 2082-10		
14	SDI Auto Switching		Automatically Selects Between SD, HD, 3G-SDI Level A and B, 6G-SDI, and 12G-SDI		
15	Audio Sampling		96 kHz and 24-bit		
16	Video Sampling		4:2:2 and 4:4:4		
17	Operating Systems		Mac 10.13 High Sierra, Mac 10.14 Mojave or later, Windows 8.1, and Windows 10		
18	Display Size		2.2" Diagonal		
19	Display Resolution		320 x 240		
B	General Features				
1	Power Requirements		AC 230 V \pm 5% , 50 Hz		
2	Operating Temperature		10°C to +40°C or better		
3	Operating Relative Humidity		8% to 90% (non-condensing)		
4	Optional Accessories		Specify and quote separately		
C	General Conditions				
1	Warranty		1 Year Comprehensive- from the date of commission		
			Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		

2	Support	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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation & configuration	Installation & configuration should carried out by the bidder with accordance with GID		
8	Training	In-depth training must be provided in the operations and maintenance of the product.		
		Training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

20 Technical Specifications for Powered 6" Two-Way Studio Monitor pair -03Nos

AudioEquipment

Brand					
Model					
Country of Origin					
Item No.	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response	
A	Main Features				
1	Powered 6" Two-Way Studio Monitor				
2	Image Control Waveguide for detailed imaging and a broad, room-friendly sweet spot				
3	Optimally positioned tweeter and woofer provides aligned acoustic centre and eliminates phasing issues found in other speakers				
4	VU meter for quick and simple monitoring of levels				
5	Power switch and volume control on the front panel offer easy control dynamic range				
B	Main Specifications				
1	Inputs	1.1	1 x RCA (unbalanced)		
		1.2	1 x TRS or 1 x XLR (balanced)		
		1.3	1 x XLR (balanced)		
2	Frequency Range	38 Hz – 20 kHz or better			
3	Crossover	Amp 3.2 kHz			
4	Maximum Spl (@1m)	110 dB or better			
5	Maximum Input Level	5.1	Unbalanced: +6 dBV		
		5.2	Balanced: +20 dBV		
6	InputSensitivity (-10 dBVINPUT)	92 dB @ 1m			
7	HF Driver Size	0.9" (25 mm)			
8	LF Driver Size	6.5" (165.1 mm)			
9	HF Driver Power AMP	70 W Class AB			

10	LF Driver Power AMP	70 W Class AB		
11	HF Trim Control	(+1 dB, 0 dB,-1 dB, -2 dB @ 10 kHz)		
12	LF Trim Control	+2 dB, 0 dB,-1 dB, -2 dB @ 60 Hz		
13	THD+N	< 0.2%		
14	Noise	< 0.3 mV		
15	S/N	> 95 dB		
16	Enclosure Construction	15 mm MDF or better		
17	Enclosure Finish	PVC		
18	Equalization	LF Shelf at 50 Hz: -3 dB, -1.5 dB, 0 dB		
C	General Features			
1	Power Requirements	AC 230 V \pm 5% , 50 Hz		
2	Operating Temperature	10°C to +40°C or better		
3	Operating Relative Humidity	8% to 90% (non-condensing)		
4	Optional Accessories	Specify and quote separately		
D	General Conditions			
1	Warranty	1 Year Comprehensive- from the date of commission		
2	Support	Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		
		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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		

5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
6	Support claims of compliance	<p>Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.</p> <p>A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.</p>		
7	Installation & configuration	Installation & configuration should carried out by the bidder with accordance with GID		
8	Training	<p>In-depth training must be provided in the operations and maintenance of the product.</p> <p>Training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.</p>		

21 Technical Specifications for Handheld Wireless Microphone with Mute Switch02Nos.

AudioEquipment

Brand				
Model				
Country of Origin				
Item No	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Main Features			
1	Handheld Wireless Super-cardioid condenser Microphone with Table top / rackmount receiver & Accessories			
2	Robust Aluminium housing and handheld transmitter			
3	Up to 88 MHz bandwidth, up to 32 channels			
4	Increased RF output power (10/30/50 mW)			
5	Transmission Range: up to 100 meters / 330 feet or better			
	Description	Specification		
B	Microphone			
1	Form Factor	Handheld Capsule		
2	Colour	Black		
3	Weight	165 g or less		
4	Capsule	Electret Condenser		
5	Polar Pattern	Super cardioid		
6	Sound Field	Mono		
7	Frequency Response	90 Hz to 17 kHz or better		
8	Sensitivity	1.6 mV/Pa at 1 Hz or better		

9	Maximum SPL	152 dB SPL		
C System				
1	Wireless Transmission	Analog UHF		
2	Number of RF Channels	More than 3500		
3	Included Transmitter	1 x Handheld		
4	Diversity	True Diversity		
5	RF Frequency Band	520 - 558 MHz, otherwise specify		
6	RF Bandwidth	88 MHz		
7	Frequency Step Size	25 kHz		
8	Max Operating Range	100m (line of site) or better		
9	Deviation	±48 kHz (Peak)		
10	Modulation	Wideband FM		
11	Systems per Setup	30 or better		
D Transmitter				
1	Form Factor	Handheld		
2	Housing	Metal		
3	RF Output Power	10 / 30 / 50 mW		
4	Gain Range	48 dB (6 dB Steps) or better		
5	Frequency Response	90 Hz to 17 kHz (Mic) or better		
6	Sync Method	IR		
7	Antenna	1 x Internal, Fixed (Handheld)		
8	Battery Type	2 x AA		
9	Battery Life 2 x AA (Alkaline)	Approx. 8 Hours or better		
10	Weight with Batteries	450 g or less		
E Receiver				
1	Form Factor	Tabletop		

2	Mounting Options with Included Hardware		Rackmount 1 RU (1/2 Rack)		
3	Antenna Rear-Mount		2 x Rod, BNC		
4	Audio Output	4.1	1 x XLR 3-Pin Male Balanced Output		
		4.2	1 x 1/4" TRS Female Unbalanced Output		
5	Gain Range		48 dB (3 dB Steps)		
6	Audio Output Level				
	6.1 XLR Output:		+18 dBu (Balanced)		
	6.2 1/4" Output:		+12 dBu (Unbalanced)		
7	Squelch Adjustable range		5 to 25 dB μ V or better		
8	Adjacent Channel Isolation		>75 dB		
9	Network I/O		1 x RJ45		
10	Display & Indicators		1 x OLED (AF Level, Channel, Frequency, Mute, RF Level, Transmitter Battery Status)		
L	General Features				
1	Power Requirements	AC 230 V \pm 5% , 50 Hz (TX)			
		AC/DC Power Adapter should included			
2	Operating Temperature	10°C to +40°C or better			
3	Operating Relative Humidity	8% to 90% (non-condensing)			
4	Optional Accessories	Specify and quote separately			
M	General Conditions				
1	Warranty	1 Year Comprehensive- from the date of commission			
		Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.			

2	Support	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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation, configuration and testing	Installation, configuration & testing should carried out by the bidder with accordance with GID		
8	Training	In-depth training must be provided in the operations and maintenance of the product.		
		Training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

22 Technical Specifications for Wireless Omni Lavalier Microphone System02Nos.

AudioEquipment

Brand				
Model				
Country of Origin				
Item No	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Features			
1	Wireless Omni directional Lavalier Microphone System consisting of wireless bodypack transmitter, Omni directional Lavalier Microphone, rack mount receiver, and rack kit.			
2	Up to 88 MHz bandwidth, up to 32 channels			
3	RF output power (10/30/50 mW)			
4	Transmission Range: up to 100 meters			
5	Remote control switch available for the bodypack transmitter			
	Description	Specification		
B	Microphone			
1	Form Factor	Lavalier		
2	Housing	Metal		

3	Color	Black		
4	Capsule	Electret Condenser		
5	Polar Pattern	Omnidirectional		
6	Frequency Range	55Hz to 17 kHz or better		
7	Equivalent A-Weighted Noise Level	30 dB or better		
8	Maximum SPL Peak	130 dB or better		
9	Sensitivity at 1 kHz	20 mV/Pa or better		
10	Output Connectors	1 x 1/8" / 3.5 mm TRS Male Unbalanced (Lockable)		
11	Cable Length	1.5 m or better		
C	System			
1	Wireless Transmission	Analog UHF		
2	Number of RF Channels	2000 or better		
3	Included Transmitter	1 x Bodypack		
4	Diversity	True Diversity		
5	RF Frequency Band	Specify		
6	RF Bandwidth	50 MHz		
7	Frequency Step Size	25 kHz		
8	Max Operating Range	100m or better		
9	Systems per Setup	30 or better		
10	Deviation (Peak)	±48 kHz		
11	Modulation	Wideband FM		
D	Transmitter			
1	Form Factor	Bodypack		
2	Housing	Metal		
3	RF Output Power	10 / 30 / 50 mW		
4	Audio I/O	1 x 1/8" / 3.5 mm TRS Female Input (Lockable)		

5	Muting		Mute Switch		
6	Audio Input Level		3 V RMS		
7	Gain Range in 3 dB Steps		60 dB		
8	Frequency Response				
	8.1 Mic:		80 Hz to 18 kHz or better		
	8.2 Line:		25 Hz to 18 kHz or better		
9	Sync Method		IR		
10	Antenna Fixed (Beltpack)		1 x Flexible Whip		
11	Power Requirements	11.1	2 x AA Battery		
		11.2	Re chargeable pack		
12	Battery Life (Alkaline)		8 Hours or better		
13	Display & Indicators		Backlit LCD (Audio Level, Battery Status, Channel, Group, Mute, Signal Strength)		
E	Receiver				
1	Form Factor		Tabletop		
2	Housing		Metal		
3	Mounting Options		Rackmount (with Included Hardware)		
4	Rackmount Size		1 RU (1/2 Rack)		
5	Antenna Detachable (Rear-Mount)		2 x Rod		
6	Number of Audio Channels		1 channel		
7	Audio Outputs	7.1	1 x XLR 3-Pin Male Balanced Output		
		7.2	1 x 1/4" TRS Female Unbalanced Output		
8	Gain Range in 3 dB Steps		48 dB		
9	Audio Output Level				
	9.1 XLR Output:		+18 dBu (Balanced)		
	9.2 1/4" Output:		+12 dBu (Unbalanced)		

10	Squelch Adjustability	5 to 25 dB μ V or better		
11	Adjacent Channel Isolation	>75 dB		
12	AC/DC Power Adapter	100 to 240 VAC, 50 / 60 Hz		
13	Display & Indicators	OLED (AF Level, Channel, Frequency, Mute, RF Level, Transmitter Battery Status)		
F	General Features			
1	Power Requirements	AC 230 V \pm 5% , 50 Hz (TX)		
2	Operating Temperature	10°C to +40°C or better		
3	Operating Relative Humidity	8% to 90% (non-condensing)		
4	Optional Accessories	Specify and quote separately		
G	General Conditions			
1	Warranty	1 Year Comprehensive- from the date of commission		
2	Support	Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		
		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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		

6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.				
		A duly completed point by point compliance statement from the				
7	Audio Outputs	7.1	1 x XLR 3-Pin Male Balanced Output			
		7.2	1 x 1/4" TRS Female Unbalanced Output			
8	Gain Range in 3 dB Steps	48 dB				
9	Audio Output Level					
	9.1 XLR Output:	+18 dBu (Balanced)				
	9.2 1/4" Output:	+12 dBu (Unbalanced)				
10	Squelch Adjustability	5 to 25 dB μ V or better				
11	Adjacent Channel Isolation	>75 dB				
12	AC/DC Power Adapter	100 to 240 VAC, 50 / 60 Hz				
13	Display & Indicators	OLED (AF Level, Channel, Frequency, Mute, RF Level, Transmitter Battery Status)				
F	General Features					
1	Power Requirements	AC 230 V \pm 5% , 50 Hz (TX)				
2	Operating Temperature	10°C to +40°C or better				
3	Operating Relative Humidity	8% to 90% (non-condensing)				
4	Optional Accessories	Specify and quote separately				
G	General Conditions					
1	Warranty	1 Year Comprehensive				
		Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.				

2	Support	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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues. A duly completed point by point compliance statement from the		
		principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation, configuration and testing	Installation, configuration and testing should carried out by the bidder with accordance with GID		
8	Training	In-depth training must be provided in the operations and maintenance of the product. Training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

23 Technical Specifications for Wireless Monitor System03Nos.

AudioEquipment

Brand				
Model				
Country of Origin				
Item No	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Main Features			
1	Wireless Monitor System			
2	Pair of Earphones			
3	Stereo Transmitter			
4	Up to 16 Compatible Channels			
5	Rackmount Kit			
6	Stereo Receiver			
7	1680 Selectable Frequencies in UHF Range			
8	100m Transmission Range			
9	Rod Antenna			
10	2 x AA Battery powered			
B	Description	Specifications		
1	Receiver			

3	Receiving Frequency	Maximum 1680 receiving frequencies, adjustable in 25 MHz steps 20 frequency banks, each with up to 16 factory pre- set channels, no intermodulation 6 frequency banks with up to 16 programmable channels		
4	Switching Bandwidth	Up to 42 MHz		
5	Nominal/Peak Deviation	±24 kHz / ±48 kHz		
6	Receiver Type	Adaptive diversity		
7	Sensitivity	< 4 µV, typ. 1.6 µV for 52 dBA (with HDX, peak deviation) rms s/n		
8	Adjacent Channel Selectivity	Typically ≥ 65 dB		
9	Intermodulation Attenuation	Typically ≥ 70 dB		
10	Blocking	≥ 80 dB		
11	Pilot Tone	Squelch: Can be switched off		
12	Squelch	5 to 25 dBµV, adjustable in steps of 2 dB		
13	Compander	specify		
14	Signal to Noise Ratio	Approximately 90 dBA (1 mV, peak deviation)		
15	Total Harmonic Distortion (THD)	≤ 0.9%		
17	Audio Output Power	2 x 100 mW at 32 Ohms (@ 2.4 V, 5% THD, nominal deviation)		
18	Quality Setting Range	(+8) dB at 80 kHz		
19	Limiter	(-18) dB to -6 dB, adjustable in steps of 6 dB, can be switched off		
20	Power Supply	2x AA Battery powered		
21	Current Consumption At Nominal Voltage:	Approximately 140 mA With Transmitter Switched Off: ≤ 25 µA		

22	Operating Time	Approximately 4 to 6 hours (depending on volume level)		
C	General Features			
1	Power Requirements	AC 230 V \pm 5% , 50 Hz (TX)		
2	Operating Temperature	10°C to +40°C or better		
3	Operating Relative Humidity	8% to 90% (non-condensing)		
4	Optional Accessories	Specify and quote separately		
D	General Conditions			
1	Warranty	1 Year Comprehensive- from the date of commission		
2	Support	Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		
		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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
		Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		

6	Support claims of compliance	A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation, configuration and testing	Installation, configuration and testing should carried out by the bidder with accordance with GID		
8	Training	In-depth training must be provided in the operations and maintenance of the product.		
		Training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

24 Technical Specifications for Omnidirectional Clip-on Lavalier Microphone with XLR Connector (Black) 03 Nos.

Audio Equipment

Brand				
Model				
Country of Origin				
Item No	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Main Features			
1	Omnidirectional Lavalier Microphone with XLR Connector (Black)			
2	Omnidirectional Polar Pattern			
3	Dual-Diaphragm Design			
4	For Television, Broadcast, and Theatre			
5	Flat Frequency Response			
6	Umbrella Diaphragm Resists Moisture			
7	Small Size for Concealed Placement			
8	Handling Noise Suppression			
9	Stranded Stainless Steel Cable			
10	A set of accessories need to be supplied for each microphone			
B	Description	Specifications		
1	Form Factor	Lavalier		
2	Sound Field	Mono		
3	Capsule	Electret Condenser		
4	Operating Voltage	12 to 48 V ± 4 V (Phantom Power)		
5	Operating Current Consumption	<3mA		
6	Polar Pattern	Omnidirectional		
7	Windscreen	Foam (need to be supplied)		

8	Frequency Range	20 Hz to 20 kHz \pm 3 dB		
9	Maximum SPL	130 dB SPL (1 kHz) or better		
10	Impedance	200 Ohms		
11	Load Impedance	1 Kilohms		
12	Sensitivity	10 mV/Pa at 1 kHz or better		
13	Equivalent Noise Level	25 dB A-Weighted or better		
		35 dB CCIR or better		
14	CMRR	35dB or better		
15	Output Connectors	XLR 3-Pin Male Balanced		
16	Cable Length	3 m		
17	Colour	Black		
18	Construction Material	Metal		
19	Dimensions	\varnothing : 4.8 x mm or smaller		
20	Weight	1 g or better		
C	Accessory kit			
1	Two Tie Clips	One Black and One Beige		
2	Two Mesh Grilles	One Black & One Beige		
3	Two Vampire Clips	One Black & One Beige		
4	Foam Windshield	Black		
D	General Features			
1	Operating Temperature	10°C to +40°C or better		
2	Operating Relative Humidity	8% to 90% (non-condensing)		
3	Optional Accessories	Specify and quote separately		
E	General Conditions			
1	Warranty	1 Year Comprehensive- from the date of commission		
		Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		

2	Support	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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation and testing	Installation & testing should carried out by the bidder with accordance with GID		
8	Training	Training must be provided in the operations and maintenance of the product.		
		Training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

25 Technical Specifications for Handheld Dynamic Microphone03Nos.

AudioEquipment

Brand				
Model				
Country of Origin				
Item No	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Main Features			
1	Handheld Dynamic vocal Microphone			
2	Cardioid Polar Pattern			
3	Rugged Metal Body			
4	Includes Mic Clip and Pouch			
B	Description	Specifications		
1	Form Factor	Handheld		
2	Sound Field	Mono		
3	Operating Principle	Pressure Operated		
4	Capsule	Dynamic		
5	Polar Pattern	Cardioid		
6	Orientation	End Address		
7	Windscreen	Foam (to be supplied)		
8	Frequency Range	40 Hz to 16 kHz		
9	Impedance	350 Ohms		
10	Load Impedance	1 Kilohms		
11	Sensitivity	2.7 mV/Pa or better		
12	Output Connectors (Analog)	1 x XLR 3-Pin (on Mic)		

C	General Features			
1	Operating Temperature	10°C to +40°C or better		
2	Operating Relative Humidity	8% to 90% (non-condensing)		
3	Optional Accessories	Specify and quote separately		
D	General Conditions			
1	Warranty	1 Year Comprehensive- from the date of commission		
2	Support	Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		
		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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		

7	Installation & testing	Installation & testing should carried out by the bidder with accordance with GID		
8	Training	Training must be provided in the operations and maintenance of the product.		
		Training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

26. Technical Specifications for Eight channel wired party line intercom main station with 4Belt packs & Desktop station 01No. Audio Equipment

Brand				
Model				
Country of Origin				
Item No	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Main Features			
1	8-channel master station with tally function, XLR-4M / 5F headset Connector with Optional Gooseneck Microphone			
2	XLR-5 Intercom line Connector, four channels with IFB function.			
3	Announcement output			
4	Controllable background input			
5	Automatic circuit short protection and indication.			
6	Special Feedback control circuit			
7	Supports Tally light			
8	Supports Dynamic and Electret Gooseneck Microphone			
9	Bandwidth:	300Hz-4000Hz ±3dB		
10	Sidetone:	Adjustable range: >32dB		
11	Earphone:	Dynamic 8 - 300ohm		
12	Microphone:	Dynamic 200-600 ohm		
B	Wired belt pack			
1	2-Wire / Party Line Belt Pack			
2	Talk and Call button			
3	Volume control			

4	XLR-3 loop through connector			
5	3.5mm headset jack			
6	XLR-4F or XLR-5M headset connector			
7	Side tone adjustment			
8	Dynamic Headset: Microphone impedance:	200 ohm		
9	Voltage Gain:	44±3dB		
10	Harmonic Distortion	:< 1% (1000Hz)		
11	Single Ear Headset	11.1	Single ear headset for intercom system	
		11.2	Dynamic microphone	
		11.3	XLR-4 / XLR-5 headset connector	
C Two-Channel desktop station,				
1	2-Wire / Party Line two channel user station			
2	Internal speaker and control			
3	Channel A or Channel B selectable			
4	Volume control			
5	Gooseneck microphone			
6	XLR-4F or XLR-4M headset connector			
D Included Items				
1	8 Channel Main station with Gooseneck Microphone			
2	4 x Belt packs with Single ear Headsets			
3	4 x Tally Lights			
4	1 x Desktop Station with Gooseneck Microphone			
E General Features				
1	Power Requirements	AC 230 V ±5% , 50 Hz		
2	Operating Temperature	10°C to + 40°C or better		
3	Storage Temperature	5°C to +45°C or better		

4	Operating Humidity	Up to 85% RH or better		
F	General Conditions			
1	Warranty	1 Year Comprehensive- from the date of commission		
2	Support	Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		
		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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation, Configuration & testing	Installation, configuration & testing should carried out by the bidder with accordance with GID		
		Training must be provided in the operations and maintenance of the		

8	Training	product.		
		Training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

27 Technical Specifications for Talkback System01No.

AudioEquipment

Brand				
Model				
Country of Origin				
Item No.	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Main Features			
1	Simple Interface and Connectivity			
2	On board Microphone			
3	XLR Input for External Mic Connection			
4	Designated Trim Pots for Each Mic			
5	Remote Switching Capabilities			
6	Balanced Program Signal Path			
7	Dry Contact Output for Beacon Connection			
8	Controls	2 x Trim pots 1 x Master volume 1 x Program volume		
9	Connectors	1 x External mic input 1 x Program in 1 x Program out 1 x Remote footswitch		
10	Frequency Response - Program:	20Hz-20kHz +/-0.5dB		
11	Noise Floor	: -86dBu		
12	Dynamic Range	: 106dB		
13	Maximum Input - Program	: +14dBu		

14	Intermodulation Distortion	: <0.005%		
15	Total Harmonic Distortion	: <0.007%		
16	Input Impedance - Program	: 20k Ohms		
17	Input Impedance - EXT Mic	2k Ohms		
18	Clip Level - 1/4" Outputs	: +20dBu		
19	Output Impedance - 1/4" Outputs	: 225 Ohms		
20	Maximum Gain - EXT Mic Input	: +45dB		
21	Dim Attenuation	: -6dB to -80dB		
22	4-Channel Headphone Amplifier			
23	Number of Headphone Channels	4-Channel		
24	Recommended Headphone Impedance	16 to 600 Ohms		
25	Headphone Output Power	500 mW per Side or better		
B	General Features			
1	Power Requirements	AC 230 V \pm 5% , 50 Hz		
2	Operating Temperature	10°C to + 40°C or better		
3	Storage Temperature	5°C to +45°C or better		
4	Operating Humidity	Up to 85% RH or better		
C	General Conditions			
1	Warranty	1 Year Comprehensive- from the date of commission		
2	Support	Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		
		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.		

3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation, Configuration & testing	Installation, configuration & testing should carried out by the bidder with accordance with GID		
8	Training	Training must be provided in the operations and maintenance of the product.		

28 Technical Specifications for a Analog Telephone Hybrid01No.

AudioEquipment

Brand				
Model				
Country of Origin				
Item No	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Main Features			
1	Compact telephone hybrid			
2	1 POTS/PSTN telephone line			
3	Send/Receive audio levels control and visualization			
4	Backlit Hook/Ring button			
5	Software configuration			
6	Phone call auto-answer feature			
7	International selection of the line impedance			
8	Remote control			
9	Potentiometer levels and front panel control			
10	Analogue Send/Receive balanced over			
B	Analog Input Module (send)			
1	Connectors:	XLR, female - Electronically balanced		
2	Operative Nominal Level:	0 dBu		
3	Line Impedance	10 kΩ (Electronically balanced selectable) EMI-suppressed		
4	Distortion:	less than 0.01% TDH+NOISE (0.0dBu 1Khz)		

5	Input Modes:	Mono		
C Analog Output Module (receive)				
1	Connectors	XLR, male - Electronically balanced		
2	Output Level	0dBu +4dBu +6dBu – Max +20dBu		
3	Load Impedence	600 Ω		
4	Distortion	Less than 0.01% TDH+NOISE (0.0dBu @ 1Khz)		
D Telephone Module PSTN / POTS				
1	Connectors “LINE”	RJ 11C 6/4 socket		
2	Connectors “SET”	RJ 11C 6/4 socket		
3	Bandwidth telephone line	100Hz – 5kHz, -3dB @ 1 kHz		
4	Telephone line compliance	ETSI TBR21, FCC Part68		
5	Isolation	3 kV		
E General Features				
1	AC Rate	230VAC 50 Hz / 60 Hz 30VA		
2	Type of power supply	Switching power supply		
3	Operating Temperature	10°C to +40°C or better		
4	Operating Relative Humidity	8% to 90% (non-condensing)		
5	Optional Accessories	Specify and quote separately		
F General Conditions				
1	Warranty	1 Year Comprehensive- from the date of commission		
2	Support	Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		
		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.		

3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation, configuration, testing and commissioning	Installation, configuration, testing and commissioning of the entire system should carried out by the bidder with accordance with GID		
8	Training	In-depth training must be provided in the operations and maintenance of the product.		

29 Technical Specifications for Microphone Stand03Nos.

AudioEquipment

Brand				
Model				
Country of Origin				
Item No.	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Stand			
1	Height	90 to 160 cm		
2	Base Type	Tripod		
B	Boom			
1	Length	30" / 80 cm		
C	General			
1	Material	Steel		
2	Optional Accessories	Specify and quote separately		
D	General Conditions			
1	Warranty	1 Year Comprehensive- from the date of commission		
2	Support	Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		
		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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		

5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		

30 Technical Specifications for Closed-Back Over-Ear Studio Headphones03Nos.

AudioEquipment

Brand				
Model				
Country of Origin				
Item No.	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Headphone			
1	Earpiece Design	Over-Ear (Circumaural), Closed-Back		
2	Earpiece Connection / Wearing Style	Headband, Wired		
3	Foldable	Specify		
4	Driver Type	Dynamic		
5	Driver Size	1.6" / 40 mm		
6	Magnet Type	Neodymium		
7	Impedance	44 Ohms		
B	Performance			
1	Frequency Response	10 Hz to 22 kHz		
2	Sensitivity	105 dB/mW at 1 kHz		
3	Maximum Power Handling	500 mW		
4	Wired Connectivity	Specify		
5	Audio Connector to Source	1 x 1/8" / 3.5 mm TRS Male		
6	Connector Plating	Gold		
7	Adapter (Included)	1/4" TRS		
8	Cable Design	Single-Sided, Coiled, Detachable		
9	Audio Connector to Earpiece	1 x 2.5 mm TRS Male		
10	Cable Length	9.8' / 3 m		
11	Cable Color	Black		
12	Cable Conductor Material	Oxygen-Free Copper		
C	General Features			

1	Color	Black		
2	Operating Temperature	10°C to + 40°C or better		
3	Storage Temperature	5°C to +45°C or better		
4	Operating Humidity	Up to 85% RH or better		
5	Optional Accessories	Specify and quote separately		
F	General Conditions			
1	Warranty	1 Year Comprehensive- from the date of commission		
2	Support	Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		
		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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		

31 Technical Specification for Broadcast quality Channel In A Box Playout Server01No.

AudioEquipment

Brand				
Model				
Country of Origin				
Item No.	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Playout automation software designed for broadcast quality playback and 24/7 operation			
1	Multi-Format Support	AVI, MPEG(PS/TS), H264/MPEG-4-AVC, HEVC(H265), MOV, Quicktime, MJPEG, DV, AVC-Intra, DVCPRO, XDCAM, DNxHD, MXF, GXF, LXF, MKV, FLV, WMV/ASF, ProRes, 3GPP, Divx, Xvid, F4V, Sorenson, JPG, PNG , BMP AAC, ATSC A/52A (AC-3), ATSC A/52 E-AC-3, FLAC, MP2, MP3, ALAC, OggVorbis, Wav, ADPCM		
2	Desktop / Web Interface	Windows Desktop and Web User interface or Otherwise specify		
3	Scheduling	Web / App Based scheduler allows users to make a monthly, weekly or daily playlists		
4	Media Trimmer 1	Cutting head and tail or creating segments of any selected media		
5	Media Trimmer 2	Possible to move frame by frame for most accurate trimming points		
6	User Permissions	User & Group permissions allow management of active operators in the entire system.		
7	Outputs	Multiple simultaneous SDI/IP/NDI outputs with different frame rates and resolutions		
8	Live Inputs	Live inputs can be SDI input or IP Stream RTMP / UDP / NDI		

9	Video Resize & CG	Video Resize and Integrated CG can overlay L Shape Graphics based on schedule		
10	Hot Keys	Customizable Hot Keys for frequently used Media, Logo, Events, Live and CG Overlays.		
11	As run Logs	Detailed As Run Logs including Events helps reconciliation what is planned and realized.		
B CG				
1	Unlimited Layer	Powerful engine allows users to create rich graphics with unlimited layer support.		
2		integrated with Playout for automated graphics playback.		
3	Data Sources	data from multiple sources such as XML, RSS feeds or Text objects. Tickers, Rolls, Crawls to be integrated with third party data source for automatic content update		
4	Built-in Video Preview	built-in preview window which operators can check new coordinates of the updated object or new graphic element.		
5	Project Templates	Project based templates allow to recall any CG and play in real time		
C Video Ingest				
1	Multi-Channel Operation	Record from HD SDI / SDI or IP sources		
2	Multi-Format Support	Apple Prores, AVI, Mpeg, H.264(Mp4), HEVC, MOV, DV, MXF, GXF, DNxHD, MKV. FLV, WMV		
3	Advanced Scheduler	built in Scheduler for event based recordings		

4	Hardware Encoding	Ingest supports Intel Quick Sync, NVENC (cuda) and AMD AMF hardware encoding in H.264 and HEVC formats		
5	Web Control	controlled from web browser. Ability to log in remotely and preview incoming video source. Recording can be start - stop - split from web interface		
6	Local Storage Recording	Record directly to central storage and local storage at the same time		
D Hardware				
1	Server	Core i9 11900K or better		
1.1		64GB DDR4 RAM		
1.2		512GB PCIe NV Me Drive		
1.3		High-performance Nvidia GPU with at least 6GB		
1.4		12TB RAID 5 Storage		
1.5		1Gbps Network interface for Streaming and networking		
1.6		1000W certified Power supply		
1.7		Windows 10 Pro 64Bit Operating system		
1.8		1000W certified Power supply		
1.9		Dual 27" IPS Monitors		
2	Video IO			
2.1	SDI Video Inputs	4 x bidirectional 12-bit SD/HD independently configurable as either Input or Output		
2.2	SDI Video Outputs	4 x bidirectional 12-bit SD/HD independently configurable as either Input or Output.		
E Input /Output Device Configuration				
1	Key Board	USB Keyboard		
2	Mouse	USB Laser Scroll Mouse 1200dpi or Better		

3	Monitor	24" Professional LED Computer Monitor or Better		
4	Audio Monitor/ Speaker	Should consist of a purpose built studio environment optimized 20W monitor speaker pair		
F Software Requirement				
1	Operating System	Genuine Software with required license		
2	Application/ System	Genuine Software with required license		
3	Other	Any required software should be supplied with the System		
G General Features				
1	Power Requirements	AC 230 V \pm 5% , 50 Hz		
2	Operating Temperature	10°C to +40°C or better		
3	Operating Relative Humidity	8% to 90% (non-condensing)		
4	Optional Accessories	Specify and quote separately		
H General Conditions				
1	Warranty	1 Year Comprehensive- from the date of commission		
2	Support	Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		
		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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		

5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
6	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation & configuration	Installation & configuration should carried out by the bidder with accordance with GID		
8	Training	In-depth training must be provided in the operations and maintenance of the product.		
		Local training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

32 Technical Specification for Professional RF Coax To HDMI TV Tuner For PAL B/G System 01No.

Brand				
Model				
Country of Origin				
Item No.	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Features			
1	Channel Display:	Digital LED Screen		
2	Video System Support:	PAL B/G for West Europe, Asia and Middle East regions		
3	Channel Frequency Range:	PAL B/G CATV: CH1 - CH108(48.25MHz to 798.25MHz)		
		PAL B/G UHF/VHF: CH21 - CH69(471.25MHz to 885.25MHz)		
4	RF Input Level:	-5 to +30 dbmv		
5	Video Output Level:	1Vp-p +/- 0.2Vp-p (75 Ohm)		
6	Audio Output Level:	0.755Vp-p +/- 0.2Vp-p (600 Ohm)		
7	Noise Level:	10db (max)		
8	RF Input Connector:	F-Type female x 1		
9	Video Audio Output:	HDMI female x 1		
10	Channel/Volume Operation:	By IR remote controller		
		By push buttons on the front panel		
11	Video/Audio Gain Control:	Auto adjustment		
G	General Features			

1	Power Consumption:	1.8W		
2	Power Supply:	DC Power Output: 12V / 1A Centre Positive		
3	Power Requirements	AC 230 V \pm 5% , 50 Hz		
4	Operating Temperature	10°C to +40°C or better		
5	Operating Relative Humidity	8% to 90% (non-condensing)		
6	Optional Accessories	Specify and quote separately		
H	General Conditions			
1	Warranty	1 Year Comprehensive- from the date of commission		
2	Support	Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.		
		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.		
3	Spare parts availability	At least Ten(10) years		
4	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
5	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
		Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		

6	Support claims of compliance	A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
7	Installation & configuration	Installation & configuration should carried out by the bidder with accordance with GID		
8	Training	In-depth training must be provided in the operations and maintenance of the product.		
		Local training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

Installation Cable & Connectors

33 Technical Specification for 2x24 Digital Video Patch bay (1RU) - 2Nos

Brand				
Model				
Country of Origin				
Item No	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
1	Type	Digital Video Patchbay		
2	Configuration	2x24		
3	Signal	HD-SDI (SMPTE 424M Standard)		
4	Impedance	75 Ohm		
5	Return Loss	5.1	26dB or greater @ 750MHz	
		5.2	20dB or greater @ 2.4GHz	
		5.3	10dB or greater @ 3.0GHz	
6	Isolation	6.1	35dB or greater @ 1.5GHz	
		6.2	20dB or greater @ 3.0GHz	
7	Routing	7.1	Normal Through	
		7.2	Video Port (front): No Patch - BNC Port (rear): Signal Loop	
		7.3	Video Port (front): Patch Upper - BNC Port (rear): Lower Terminated	
		7.4	Video Port (front): Patch Lower - BNC Port (rear): Upper Terminated	
		7.5	Video Port (front): Patch Both - BNC Port (rear): Signal	

			Thru		
8	Connections	8.1	Front Patch (Female) uses VPC Type Patch Cords		
		8.2	Rear BNC (Female) uses Industry Standard Male BNC Connectors		
9	Contact		Beryllium Copper, Gold-Plated Center		
10	Construction		Lightweight Aluminium (video jacks)		
11	Rack Units		1RU		
12	Warranty Period		Minimum one Year- from the date of commission		

34 Technical Specification for Cables and Connectors (Lot01)

Brand				
Model				
Country of Origin				
Item No.	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Cables for Rack wiring			
1	Designed for 3G-SDI			
2	Conductor DC Resistance	0.002 Ohms/ft (Up to 5280' / 1600 m)		
3	Shielding	95% Copper		
4	Wire Gauge	23 AWG		
5	Outer Diameter	0.165" / 4.2 mm		
6	Maximum Impedance	75 Ohms		
7	Maximum Signal Loss	30.2 dB at 750 MHz over 328' / 100 m		
B	Cables for Outer Rack wiring			
1	Outer Diameter	1.1	Nominal: 0.27" / 7 mm	
		1.2	Inner Conductor: 0.04" / 1.02 mm	
		1.3	Insulation: 0.18" / 4.57 mm	
2	Conductor	2.1	Inner Conductor Composition: 1/1.02A (18) Quantity/mm (AWG)	
		2.2	Outer Conductor Shield Coverage and Composition (91% or More): 0.14TA mm, 6 Ends, 24 Carriers	
3	Resistance	3.1	Inner Conductor: ≤23.3 Ohms/km	
		3.2	Outer Conductor: ≤9.9 Ohms/km	
4	Static Capacity	53 nF/km @ 1 kHz		
5	Impedance	75 ±3 Ohms		
6	Attenuation	17.4 dB/100 m at 750 MHz		
7	Maximum	7.1	Composite NTSC: 1807.74' / 551 m @ 143 Mb/s (SMPTE	

	Transmission Distance	259M)		
		7.2	SDI: 961.28' / 293 m @ 540 Mb/s (SMPTE 344M)	
		7.3	HD-SDI: 377.29' / 115 m @ 1.5 Gb/s (SMPTE 292M)	
		7.4	HD 1080p: 259.18' / 79 m @ 3 Gb/s (SMPTE 424M)	
8	Copper foil and high-density tinned copper braided shielding			
9	Highly-foamed multi-layer PE insulation			
10	Flame resistance UL 1666 Riser			
C	BNC Crimp Plugs			
1	3 G-SDI HD Capable			
2	SMPTE ST-2082-1 Compliant			
3	Crimp design ensures quick and reliable installation.			
4	Gold plated "snap lock" center pin and beryllium copper outer contact.			
5	Elongated body design for better grip.			
D	General Conditions			
1	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
2	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
3	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		

35 Technical Specification for Equipment Rack 01No.

Brand				
Model				
Country of Origin				
Item No	Minimum Specifications	Requirement	Compliance (Yes/No)	If No Bidders Response
A	Main Feature			
1	19" Rack - Free Standing - 40U			
2	Comply to IEC297 (BSEN 60297) standard			
B	General Conditions			
1	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.		
2	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
3	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		

36 Installation, testing, Commissioning & training of totalsystem

Item No	General Conditions	Compliance (Yes/No)	If No Bidders Response
1	Bidder should carry out all aspects of the work including all mechanical, Cabling and electrical work.		
2	Full commissioning and testing is carried out prior to handover		
3	Bidder shall have a quality certification process similar to ISO 9001 or equivalent.		
4	Bidder shall quote full quantity		
5	Warranty	1 Year Comprehensive- from the date of commission	
		Any failure within warranty period should be attended to free of charge	
6	Post Warranty	Service Level Agreement should be arranged for minimum 05 years on yearly basis after the warranty period	
7	Support	Spare parts and maintenance services must be made available for a minimum of 5 years after the warranty period.	
		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.	
8	Spare parts availability	At least Ten(10) years	
9	Eligibility	The supplier must have industry experience of more than 10 years. Include business registration certificate.	

10	Authorization	The supplier must include a Letter of Authorization from the manufacturer of the product, authorizing the bidder to submit a bid for this project.		
11	Support claims of compliance	Quotations should be submitted with the sufficient and authentic Supporting Technical literature /diagrams/catalogues.		
		A duly completed point by point compliance statement from the principle manufacturer in respect of all the features & specifications laid down in these documents should be enclosed along with the offer.		
12	Installation, configuration, testing and commissioning	Installation, configuration, testing and commissioning of the entire system should carried out by the bidder with accordance with GID		
13	Training	In-depth onsite training must be provided in the operations and maintenance for the total system.		
		Local training should be carried out by the bidder with the experience and knowledgeable trainer with accordance with the relevant to the system for GID staff.		

5. Inspections and Tests

The inspections and tests shall be carried out by the officer/s nominated by the purchaser before payment made. Relevant diagrams, user manual, password, and drawing should be handed over to the purchaser before the inspection.

Section VI. Conditions of Contract

- 1. Definitions** 1.1 The following words and expressions shall have the meanings hereby assigned to them:
- (a) “Contract” means the Contract Agreement entered into between the Purchaser and the Supplier, together with the Contract documents referred to therein, including all attachments, appendices and all, documents incorporated by reference therein.
 - (b) “Contract Documents” means the documents listed in the Contract Agreement, including any amendments thereto.
 - (c) “Contract Price” means the price payable to the Supplier as specified in the Contract Agreement, subject to such additions and adjustments thereto or deductions there from, as may be made pursuant to the Contract.
 - (d) “Day” means calendar day.
 - (e) “Completion” means the fulfillment of the supply of Goods to the destination specified and completion of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Contract.
 - (f) “CC” means the Conditions of Contract.
 - (g) “Goods” means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Purchaser under the Contract.
 - (h) “Purchaser” means the entity purchasing the Goods and Related Services, as specified in the Contract Data.
 - (i) “Related Services” means the services incidental to the supply of the goods, such as insurance, installation, training and initial maintenance and other such obligations of the Supplier under the Contract.
 - (j) “Subcontractor” means any natural person, private or government entity, or a combination of the above, to whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Supplier.

- (k) “Supplier” means the natural person, private or government entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Contract Agreement.
- (l) “The Project Site,” where applicable, means the place named in the Contract Data.

2. Contract Documents

2.1 Subject to the order of precedence set forth in the Contract Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory. The Contract Agreement shall be read as a whole.

3. Fraud and Corruption

3.1 The Government of Sri Lanka requires the Purchaser as well as bidders, suppliers, contractors, and consultants to observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy:

- (i) “corrupt practice” means offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution;
- (ii) “fraudulent practice” means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;
- (iii) “collusive practice” means a scheme or arrangement between two or more bidders, with or without the knowledge of the Purchaser to establish bid prices at artificial, noncompetitive levels; and
- (iv) “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract.

4. Interpretation

4.1 If the context so requires it, singular means plural and vice versa.

4.2 Entire Agreement
The Contract constitutes the entire agreement between the purchaser and the Supplier and supersedes all communications, negotiations and agreements (whether written or oral) of the parties with respect thereto made prior to the date of Contract.

4.3 Amendment
No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto

4.4 Severability
If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

5. Language

5.1 The Contract as well as all correspondence and documents relating to the Contract exchanged by the Supplier and the Purchaser, shall be written in English language. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified, in which case, for purposes of interpretation of the Contract, this translation shall govern.

5.2 The Supplier shall bear all costs of translation to the governing language and all risks of the accuracy of such translation, for documents provided by the Supplier.

6. Joint Venture, Consortium or Association

6.1 If the Supplier is a joint venture, consortium, or association, all of the parties shall be jointly and severally liable to the Purchaser for the fulfillment of the provisions of the Contract and shall designate one party to act as a leader with authority to bind the joint venture, consortium, or association. The composition or the constitution of the joint venture, consortium, or association shall not be altered without the prior consent of the Purchaser.

7. Eligibility

7.1 All goods supplied under this contract shall be complied with applicable standards stipulated by the Sri Lanka Standards Institute. In the absence of such standards, the Goods supplied shall be complied to other internationally accepted standards, such as British Standards.

8. Notices

8.1 Any notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the Contract Data. The term “in writing” means communicated in written form with proof of receipt.

8.2 A notice shall be effective when delivered or on the notice’s effective date, whichever is later.

9. Governing Law	9.1 The Contract shall be governed by and interpreted in accordance with the laws of the Democratic Socialist Republic of Sri Lanka.
10. Settlement of Disputes	<p>10.1 The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.</p> <p>10.2 If, after twenty-eight (28) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract. Arbitration proceedings shall be conducted in accordance with the Arbitration Act No:11 of 1995.</p> <p>10.3 Notwithstanding any reference to arbitration herein,</p> <p style="margin-left: 40px;">(a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and</p> <p style="margin-left: 40px;">(b) the Purchaser shall pay the Supplier any monies due the Supplier.</p>
11. Scope of Supply	11.1 The Goods and Related Services to be supplied shall be as specified in the Schedule of Requirements.
12. Delivery and Documents	12.1 Subject to CC Sub-Clause 32.1, the Delivery of the Goods and Completion of the Related Services shall be in accordance with the Delivery and Completion Schedule specified in the Schedule of Requirements. Where applicable the details of shipping and other documents to be furnished by the Supplier are specified in the Payment schedule at section V.
13. Supplier's Responsibilities	13.1 The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with CC Clause

- 11, and the Delivery and Completion Schedule, as per CC Clause 12.
- 14. Contract Price** 14.1 Prices charged by the Supplier for the Goods supplied and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid.
- 15. Terms of Payment** 15.1 The Contract Price, shall be paid in accordance with the payment schedule at Section V
- 15.2 The Supplier's request for payment shall be made to the Purchaser in writing, accompanied by invoices describing, as appropriate, the Goods delivered and Related Services performed, and by the documents submitted pursuant to CC Clause 12 and upon fulfillment of all other obligations stipulated in the Contract.
- 15.3 Payments shall be made promptly by the Purchaser, but in no case later than twenty-eight (28) days after submission of an invoice or request for payment by the Supplier, and after the Purchaser has accepted it.
- 16. Taxes and Duties** 16.1 The Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.
- 17. Performance Security** 17.1 If required as specified in the Contract Data, the Supplier shall, within fourteen (14) days of the notification of contract award, provide a performance security of Ten percent (10%) of the Contract Price for the performance of the Contract.
- 17.2 The proceeds of the Performance Security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 17.3 As specified in the Contract Data, the Performance Security, if required, shall be in Sri Lanka Rupees and shall be in the format stipulated by the Purchaser in the Contract Data, or in another format acceptable to the Purchaser.
- 17.4 The Performance Security shall be discharged by the Purchaser and returned to the Supplier not later than twenty-eight (28) days following the date of Completion of the Supplier's performance obligations under the Contract, including any warranty obligations.
- 18. Copyright** 18.1 The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by

the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party.

19. Confidential Information

- 19.1 The Purchaser and the Supplier shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract. Notwithstanding the above, the Supplier may furnish to its Subcontractor such documents, data, and other information it receives from the Purchaser to the extent required for the Subcontractor to perform its work under the Contract, in which event the Supplier shall obtain from such Subcontractor an undertaking of confidentiality similar to that imposed on the Supplier under CC Clause 19.
- 19.2 The Purchaser shall not use such documents, data, and other information received from the Supplier for any purposes unrelated to the contract. Similarly, the Supplier shall not use such documents, data, and other information received from the Purchaser for any purpose other than the performance of the Contract.
- 19.3 The above provisions of CC Clause 19 shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the Supply or any part thereof.
- 19.4 The provisions of CC Clause 19 shall survive completion or termination, for whatever reason, of the Contract.

20. Subcontracting

- 20.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under the Contract if not already specified in the bid. Such notification, in the original bid or later shall not relieve the Supplier from any of its obligations, duties, responsibilities, or liability under the Contract.
- 20.2 Subcontracts shall comply with the provisions of CC Clauses 3 and 7.

21. Specifications and Standards

- 21.1 Technical Specifications and Drawings

- (a) The Goods and Related Services supplied under this Contract shall conform to the technical specifications and standards mentioned in Section V, Schedule of Requirements and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the Goods' country of origin.
- (b) The Supplier shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof provided or designed by or on behalf of the Purchaser, by giving a notice of such disclaimer to the Purchaser.
- (c) Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the Schedule of Requirements. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Purchaser and shall be treated in accordance with CC Clause 32.

22. Packing and Documents

22.1 Adequate packing must be done in the best possible manner to withstand rough handling to transit. Packing must be suitable for export and storage tropics. The bidder will be held responsible for each item being so packed so as to ensure against loss or damage in transit to the site.

23. Insurance

23.1 Unless otherwise specified in the Contract Data, the Goods supplied under the Contract shall be fully insured against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery.

24. Transportation

24.1 Unless otherwise specified in the Contract Data, responsibility for arranging transportation of the Goods shall be a responsibility of the supplier.

25. Inspections and tests

25.1 The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and/or inspections of the Goods and Related Services as are specified in the Contract Data.

25.2 The inspections and tests may be conducted on the premises of the Supplier or its Subcontractor, at point of delivery, and/or at

the Goods' final destination, or in another place as specified in the Contract Data. Subject to CC Sub-Clause 25.3, if conducted on the premises of the Supplier or its Subcontractor, all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser.

- 25.3 The Purchaser or its designated representative shall be entitled to attend the tests and/or inspections referred to in CC Sub-Clause 25.2, provided that the Purchaser bear all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all traveling and board and lodging expenses.
- 25.4 Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Purchaser. The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Purchaser or its designated representative to attend the test and/or inspection.
- 25.5 The Purchaser may require the Supplier to carry out any test and/or inspection not required by the Contract but deemed necessary to verify that the characteristics and performance of the Goods comply with the technical specifications codes and standards under the Contract, provided that the Supplier's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impedes the progress of manufacturing and/or the Supplier's performance of its other obligations under the Contract, due allowance will be made in respect of the Delivery Dates and Completion Dates and the other obligations so affected.
- 25.6 The Supplier shall provide the Purchaser with a report of the results of any such test and/or inspection.
- 25.7 The Purchaser may reject any Goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Purchaser, and shall repeat the test and/or inspection, at no cost to the Purchaser, upon giving a notice pursuant to CC Sub-Clause 25.4.
- 25.8 The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the Purchaser or its representative, nor the issue of any report pursuant to CC Sub-Clause 25.6, shall release the Supplier from any warranties or other obligations under the Contract. Not applicable.

26.Liquidated Damages

26.1 Except as provided under CC Clause 31, if the Supplier fails to deliver any or all of the Goods by the Date(s) of delivery or perform the Related Services within the period specified in the Contract, the Purchaser may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in the Contract Data of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in those Contract Data. Once the maximum is reached, the Purchaser may terminate the Contract pursuant to CC Clause 34.

27. Warranty

27.1 The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

27.2 Subject to CC Sub-Clause 21.1(b), the Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in the country of final destination.

27.3 Unless otherwise specified in the Contract Data, the warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract Data.

27.4 The Purchaser shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity for the Supplier to inspect such defects.

27.5 Upon receipt of such notice, the Supplier shall, within the period specified in the Contract Data, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser.

27.6 If having been notified, the Supplier fails to remedy the defect within the period specified in the Contract Data, the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

28. Patent Indemnity

- 28.1 The Supplier shall, subject to the Purchaser's compliance with CC Sub-Clause 28.2, indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:
- (a) the installation of the Goods by the Supplier or the use of the Goods in the country where the Site is located; and
 - (b) the sale in any country of the products produced by the Goods.

Such indemnity shall not cover any use of the Goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, neither any infringement resulting from the use of the Goods or any part. If any proceedings are brought or any claim is made against the Purchaser arising out of the matters referred to in CC Sub-Clause 28.1, the Purchaser shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

- 28.3 If the Supplier fails to notify the Purchaser within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Purchaser shall be free to conduct the same on its own behalf.
- 28.4 The Purchaser shall, at the Supplier's request, afford all available assistance to the Supplier in conducting such proceedings or claim, and shall be reimbursed by the Supplier for all reasonable expenses incurred in so doing.
- 28.5 The Purchaser shall indemnify and hold harmless the Supplier and its employees, officers, and Subcontractors from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Supplier may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract

arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of the Purchaser.

29. Limitation of Liability

- 29.1 Except in cases of criminal negligence or willful misconduct,
- (a) the Supplier shall not be liable to the Purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser and
 - (b) the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the supplier to indemnify the purchaser with respect to patent infringement

30. Change in Regulations

- 30.1 Unless otherwise specified in the Contract, if after the date of 28 days prior to date of Bid submission, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in Sri Lanka that subsequently affects the Delivery Date and/or the Contract Price, then such Delivery Date and/or Contract Price shall be correspondingly increased or decreased, to the extent that the Supplier has thereby been affected in the performance of any of its obligations under the Contract. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable, in accordance with CC Clause 14.

31. Force Majeure

- 31.1 The Supplier shall not be liable for forfeiture of its Performance Security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- 31.2 For purposes of this Clause, “Force Majeure” means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser

in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

31.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

**32. Change
Orders and
Contract
Amendments**

32.1 The Purchaser may at any time order the Supplier through notice in accordance CC Clause 8, to make changes within the general scope of the Contract in any one or more of the following:

- (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
- (b) the method of shipment or packing;
- (c) the place of delivery; and
- (d) the Related Services to be provided by the Supplier.

32.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery/Completion Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this Clause must be asserted within twenty-eight (28) days from the date of the Supplier's receipt of the Purchaser's change order.

32.3 Prices to be charged by the Supplier for any Related Services that might be needed but which were not included in the Contract shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

32.4 Subject to the above, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

33. Extensions of Time

- 33.1 If at any time during performance of the Contract, the Supplier or its subcontractors should encounter conditions impeding timely delivery of the Goods or completion of Related Services pursuant to CC Clause 12, the Supplier shall promptly notify the Purchaser in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract.
- 33.2 Except in case of Force Majeure, as provided under CC Clause 31, a delay by the Supplier in the performance of its Delivery and Completion obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to CC Clause 26, unless an extension of time is agreed upon, pursuant to CC Sub-Clause 33.1.

34. Termination

- 34.1 Termination for Default
- (a) The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate the Contract in whole or in part:
- (i) if the Supplier fails to deliver any or all of the Goods within the period specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to CC Clause 33;
 - (ii) if the Supplier fails to perform any other obligation under the Contract; or
 - (iii) if the Supplier, in the judgment of the Purchaser has engaged in fraud and corruption, as defined in CC Clause 3, in competing for or in executing the Contract.
- (b) In the event the Purchaser terminates the Contract in whole or in part, pursuant to CC Clause 34.1(a), the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Related Services similar to those undelivered or not performed, and the Supplier shall be liable to the Purchaser for any additional costs for such similar Goods or Related Services. However, the Supplier shall continue

performance of the Contract to the extent not terminated.

34.2 Termination for Insolvency.

- (a) The Purchaser may at any time terminate the Contract by giving notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the Purchaser

34.3 Termination for Convenience.

- (a) The Purchaser, by notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.
- (b) The Goods that are complete and ready for shipment within twenty-eight (28) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:
 - (i) to have any portion completed and delivered at the Contract terms and prices; and/or
 - (ii) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by the Supplier.

35. Assignment

35.1 Neither the Purchaser nor the Supplier shall assign, in whole or in part, their obligations under this Contract, except with prior written consent of the other party.

Section VII. Contract Data

The following Contract Data shall supplement and / or amend the Conditions of Contract (CC). Whenever there is a conflict, the provisions herein shall prevail over those in the CC.

CC 1.1	The Purchaser is: Department of Government Information
CC 1.1	Final Destination is: Department of Government Information
CC 8.1	<p>For notices, the Purchaser's address shall be:</p> <p>Attention: Chief Accountant</p> <p>Address: Department of Government Information Kirulapone Avenue Colombo-05 Sri Lanka.</p> <p>Telephone: + 94 718859889, + 94 112514759</p> <p>Facsimile number: +94 112514286</p> <p>Electronic mail address: Ca@dgi.gov.lk</p>
CC 12.1	<p>Details of shipping and other documents to be furnished by the supplier are ;</p> <ol style="list-style-type: none"> 01. Commercial Invoice - 03 Copies. 02. Packing List - 02 Copies. 03. Certificate of Origin - 02 Copies. 04. Airway Bill - 02 Copies. 05. Certificate of Insurance - 01 Copy. <p>All the above original documents shall be presented to the issuing bank within 14 days after the date of issuance and a copy of each document shall be airmailed/Couriered/Faxed direct to the Director General of Information, within 07 days of shipment / dispatch.</p> <p>Any demurrage charges due to late presentation of the shipping and other document shall be recovered from the supplier local representative at actual.</p>

<p>CC 15.1</p>	<p>Foreign Component The method and conditions of payment to be made to the Supplier under this Contract shall be as follows: 100% foreign currency portion of the Contract Price shall be made in the currency specified in the Bid through irrevocable, not transferable Letter of Credit only in the following manner.</p> <p>90% of the L/C value shall be released on negotiation of the shipping document as specified in CC 12.1.</p> <p>After Three Months– The balance of 10% of LC value shall be released at threemonths from date of commissioning, up on submission of claim supported by the certificate issued by the Director General of Government Information that the system is successful commissioned.</p> <p>Local Component Installation&Training Charges 60% of total cost will be paid upon submission of claim supported by the certificate issued by the Director General of Government Information that the system is successful commissioned.</p> <p>The balance 40% of total shall be released at three months from date of commissioning, up on submission of claim supported by the certificate issued by the Director General of Government Information that the system is successful commissioned.</p> <p>Annual maintenances contract At the time interred into the contract agreement.</p> <p>Other Cost After 30 days up on submission of claim supported by the certificate issued by the Director General of Government Information that the services are successfully provided.</p>
<p>CC 16.1</p>	<p>The purchaser will be responsible for custom duty charges by the Department of the Custom of Sri Lanka.</p>
<p>CC 17.1</p>	<p>The successful bidder should submit performance security of 10% of the contract price. Contract side to cover the warranty period.</p>
<p>CC 24.1</p>	<p>Responsibility for custom clearance and inland transportation shall be a responsibly of the purchaser</p>
<p>CC 25.1</p>	<p>The inspection and tests shall be carried out by the purchaser. The supplier should facilitate and guide for the related task.</p>
<p>CC 25.2</p>	<p>The inspection and tests shall be conducted at premises of the Purchaser at Colombo.</p>
<p>CC 26.1</p>	<p>The liquidated damage shall be: 0.2% of the initial contract price per week.</p>

CC 26.1	The maximum time duration for liquidated damages shall be 4% of the initial contract price.
CC 27.3	Warranty shall remain valid as mention in the specification

Section VIII. Contract Forms

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1. Contract Agreement

THIS CONTRACT AGREEMENT is made

The..... [*insert: number*] day of [*insert: month*] [*insert: year*].

BETWEEN

- (1) [*insert complete name of Purchaser*],
a..... [*insert description of type of legal entity, for example, an agency of the Ministry of or corporation* and having its principal place of business at..... [*insert address of Purchaser*] (hereinafter called “the Purchaser”), and
- (2) [*insert name of Supplier*], a corporation incorporated under the laws of [*insert: country of Supplier*] and having its principal place of business at [*insert: address of Supplier*] (hereinafter called “the Supplier”).

WHEREAS the Purchaser invited bids for certain Goods and ancillary services, viz., [*insert brief description of Goods and Services*] and has accepted a Bid by the Supplier for the supply of those Goods and Services in the sum of [*insert Contract Price in words and figures, expressed in the Contract currency(ies)*] (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall constitute the Contract between the Purchaser and the Supplier, and each shall be read and construed as an integral part of the Contract:
 - (a) This Contract Agreement
 - (b) Contract Data
 - (c) Conditions of Contract
 - (d) Technical Requirements (including Schedule of Requirements and Technical Specifications)
 - (e) The Supplier’s Bid and original Price Schedules
 - (f) The Purchaser’s Notification of Award

3. This Contract shall prevail over all other Contract documents. In the event of any discrepancy or inconsistency within the Contract documents, then the documents shall prevail in the order listed above.
4. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
5. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of *Democratic Socialist Republic of Sri Lanka* on the day, month and year indicated above.

For and on behalf of the Purchaser

Signed..... [*insert signature*]

in the capacity of..... [*insert title or other appropriate designation*]
 in the presence of..... [*insert identification of official witness*]

For and on behalf of the Supplier

Signed..... [*insert signature of authorized representative(s) of the Supplier*]
 in the capacity of..... [*insert title or other appropriate designation*]
 in the presence of [*insert identification of official witness*]

2. Performance Security

[The issuing agency, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated]

----- [Issuing Agency's Name, and Address of Issuing Branch or Office] -----

Beneficiary: **Director General of Government Information,
Department of Government Information,
No 163, Kirulapona Avenue,
Colombo 05,**

Date: -----

PERFORMANCE GUARANTEE No.: -----

We have been informed that ----- [name of Supplier] (hereinafter called "the Supplier") has entered into Contract No. ----- [reference number of the contract] dated ----- with you, for the ----- Supply of ----- [name of contract and brief description] (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.

At the request of the Supplier, we ----- [name of Agency] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of ----- [amount in figures] (-----) [amount in words], such sum being payable in the types and proportions of currencies in which the Contract Price is payable, upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation(s) under the Contract, without your needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than the day of, 20.. [insert date, 28 days beyond the scheduled completion date including the warranty period] and any demand for payment under it must be received by us at this office on or before that date.

[signature(s)]

Invitation for Bids (IFB)

DEPARTMENT OF GOVERNMENT INFORMATION

Supply install testing and commissioning studio equipment

BID NO: DGI/PRO/01/08/2021

1. The Chairman Department Procurement committee on behalf of the Department of Government Information now invites sealed bids from eligible and qualified bidders **Supply install testing and commissioning studio equipment**
2. Bidding will be conducted through National Competitive Bidding Procedure
3. A Complete set of Bidding Document in English language may be purchased by interested bidders on the submission of a written application to the Chief Accountant, Government Information Department and upon payment of a non-refundable fee Rs 13,500/= in cash during normal working days between 9.00 a.m to 3.00 pm till 29/09/2021
4. Interested eligible bidders may obtain further information from Chief Accountant, Department of Government information; and inspect the Bidding Documents at the finance division from 9.00 a.m. to 3.00 p.m or visiting the web site www.news.lk . Any modification regarding this procurement (if any) will be published in www.news.lk
5. Qualifications requirements and other additional details are provided in the Bidding Documents.
6. Sealed bid shall be delivered in duplicate to the address given below either by registered post or deposited in the Bid Box kept at the finance division Department of Government Information, 163, Kirulapone Avenue, Colombo 05 before the closing time of 1.30 pm on 30th September 2021
7. Bids will be opened in the presence of the bidders' representatives who choose to attend in person at the Mini Auditorium Department of Government Information at **1.30 pm On 30.09.2021**. All bids must be accompanied by a Bid-Security of Rs: 570,000/=

Chairman
Procurement Committee
Department of Government Information
163, Kirulapone Avenue,
Colombo 05.
Sri Lanka.

Telephone: +94 718859889, +94112514759

Facsimile number: +94 112514286