



**NEPAL TELEVISION CORPORATION  
BIDDING DOCUMENT**

**For**

**Digital File Based Workflow (Phase II)  
System Integration, Testing and Commissioning  
of  
Ingest, Storage, Playout, NRCS, MAM, NLE,  
Digital Archiving System and Accessories**

**International Competitive Bidding (ICB)  
Tender No. NTV- 076/77-06**

**Issued on: ---, 2020**

**Invitation for Bids No.: NTV- 077/78-**

**Purchaser:**

**Nepal Television Corporation  
Singhdurbar, Kathmandu, Nepal  
Tel: +977 1 4200348 ext 110**

**Electronic Mail Address:**

**Website: <http://www.ntv.org.np>**

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## Invitation for Bids (IFB)

Nepal Television Corporation (NTV)

Central Office, Kathmandu

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### Invitation for Bids for the Digital File Based Workflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Playout, NRCS, MAM, NLE, Digital Archiving System and Accessories

International Competitive Bidding (ICB)

Contract Identification No: NTV-077/78-06

**Date of publication: 18<sup>th</sup> October 2020**

Nepal Television will acquire to improve its content by adding and upgrading some more equipment in such a way to have efficient full system automation with media asset management, NRCS and Digital Archiving System

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**For this purpose, Nepal Television invites sealed bids from interested Bidders for the Bid No. NTV-076/77-6 for “Digital File Based Workflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Play-out, NRCS, MAM, NLE, Digital Archiving System and Accessories”**

The offered system software shall include

- a) NEWS Play-out and production Server System with 1channel ,1+1 play-out, 4 port ingest and at least additional 8 shared collaborative editing support and additional video server and secondary storage
- b) Full System Automation with fully redundancy
- c) Media asset management
- d) Newsroom Automation System
- f) Digital Archiving System
- j) Billing Management Software etc

1. *The Bidders, who meet the Qualification Criteria mentioned in Section III, 2 - “Qualification Criteria” can participate in this Bid. Therefore, before purchasing the Bidding Document, Bidders are requested to read the document available in <http://www.ppmo.gov.np> carefully.*

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**NTV-077/78-6 for “Digital File Based Workflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Play-out, NRCS, MAM, NLE, Digital Archiving System and Accessories”**

2. Eligible Bidders may obtain further information and inspect the bidding documents at the Central Office of Nepal Television of the following address:

**Nepal Television Corporation (NTV),  
Singhdurbar, Kathmandu, Nepal**  
**Tel. No. : 977-1-4200348**  
**Fax No. : 977- 1-4200212**  
**E-mail : neptv@wlink.com.np**

3. Bidding documents may be purchased by eligible bidders from the EGP portable of PPMO [www.bolpatra.gov.np](http://www.bolpatra.gov.np) upon by submitting bank receipt non-refundable fee of NPR.10,000(In Words: Nepali Rupees: Ten Thousand Only).Pre-bid meeting shall be held at Nepal Television, Central Office, Singhdurbar, Kathmandu, Nepal at 12:00 Noon on 08th November, 2020.
4. Sealed Bid (hard copy) must be submitted within 7 days from the opening of the bid to the above offices. Documents received after this deadline shall not be accepted.
5. Bids shall be opened in the presence of Bidders' representatives (if none of the representative is present, even the bid shall be opened) who choose to attend at 02:00 PM on **03<sup>rd</sup> December, 2020** at Nepal Television, Central Office, Singhdurbar, Kathmandu, Nepal.
6. Bids must be valid for a period of 120 days counting from the day of bid opening and must be accompanied by bid security, amounting to **US\$22,000.00** (In Words: US Dollar Twenty Thousand Only ) which shall be *valid for minimum 30 days* beyond the bid validity period.
7. If the bidder intends to submit the Bid Security in the form of cash shall deposit in the account of the Purchaser, submit (upload) the receipt of the deposited amount of cash along with the bid. The account details of the Purchaser for depositing Cash for document purchase and Bid Security is as follows:

Description	Nepali Currency
Name of the Bank	Bank of Kathmandu Ltd.
A/C No.	015900100615524
Swift Code	BOKLNPKA

Bidders are requested to deposit sufficient amount including respective bank charges so that the net amount as mentioned above in the Clause No. IFB 3 and IFB 6 shall be deposited in the account of the purchaser.

8. If the last date of purchasing, submission and opening falls on a government holiday, then the next working day shall be considered as the last day. In such case, the bid validity and bid security validity shall be recognized with effect from the original bid submission deadline.
9. In bid opening day, bid shall be opened in the presence of bidders, bidder's representatives or absence of both.

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10. 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 the Bidders.

**End of IFB**

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# **PART 1 – Bidding Procedures**

## **Section I.**

### **Instructions to Bidders**

## Section I. Instruction to Bidders

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<b>A. General</b>	
<b>1. Scope of Bid</b>	
1.1	The Purchaser <i>indicated in the BDS</i> issues this Bidding Document for the supply of Goods and Related Services incidental thereto as specified in Section V, Schedule of Supply. The name, identification, and number of lots of the International Competitive Bidding (ICB) are provided in the <i>BDS</i> .
1.2	Throughout this Bidding Document: (a) the term “in writing” means communicated in written form with proof of receipt; (b) if the context so requires, singular means plural and vice-versa; and (c) “Day” means calendar day.
<b>2. Source of Funds</b>	
2.1	DP Funded: The GoN has applied for or received financing (hereinafter called “funds”) from the Development Partner (hereinafter called “the DP”) <b>indicated in the BDS</b> toward the cost of the project named in the BDS. The GoN intends to apply a portion of the funds to eligible payments under the contract(s) for which this Bidding Document is issued. Or GoN Funded: In accordance with its annual program and budget, approved by the GoN, the implementing agency indicated in the BDS plans to apply a portion of the allocated budget to eligible payments under the contract(s) for which this Bidding Document is issued.
2.2	DP Funded: Payment by the DP will be made only at the request of the GoN and upon approval by the DP in accordance with the terms and conditions of the financing agreement between the GoN and the DP (hereinafter called the “Loan Agreement”), and will be subject in all respects to the terms and conditions of that Loan Agreement. No party other than the GoN shall derive any rights from the Loan Agreement or have any claim to the funds.
<b>3. Fraud and Corruption</b>	
3.1	The Government of Nepal (GoN) requires that the procuring entities as well as bidders, suppliers, and contractors and their sub-contractors under GoN/DP-financed contracts, shall adhere to the highest standard of ethics during the procurement and

	<p>execution of such contracts. In this context, the Purchaser;</p> <p>(a) defines, for the purposes of this provision, the terms set forth below as follows:</p> <ul style="list-style-type: none"> <li>i. “corrupt practice” means the offering, giving, receiving, or soliciting, directly or indirectly, anything of value to influence improperly the actions of another party;</li> <li>ii. “fraudulent practice” means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;</li> <li>iii. “coercive practice” means impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;</li> <li>iv. “Collusive practice” means an arrangement between two or more parties designed to achieve an improper purpose, including influencing improperly the actions of another party.</li> <li>v. “obstructive practice” means: <ul style="list-style-type: none"> <li>I. deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a GoN/DP investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or</li> <li>II. Acts intended to materially impede the exercise of the GoN’s/DP’s inspection and audit rights provided for under sub-clause 3.5 below.</li> <li>III. will reject bid(s) if it determines that the bidder has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices in competing for the contract in question;</li> <li>IV. will sanction a firm or individual, including declaring ineligible, for a stated period of time, to be awarded a GoN/DP-financed contract if it at any time determines that the firm has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices in competing for, or in executing, a GoN/DP-financed contract.</li> </ul> </li> </ul>
<p>3.2</p>	<p>The Bidder shall not carry out or cause to carryout the following acts with an intention to influence the implementation of the procurement process or the procurement agreement :</p>

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	<ul style="list-style-type: none"> <li>(a) give or propose improper inducement directly or indirectly,</li> <li>(b) distortion or misrepresentation of facts,</li> <li>(c) engaging in corrupt or fraudulent practice or involving in such act,</li> <li>(d) interference in participation of other competing bidders,</li> <li>(e) coercion or threatening directly or indirectly to cause harm to the person or the property of any person to be involved in the procurement proceedings,</li> <li>(f) collusive practice among bidders before or after submission of bids for distribution of works among bidders or fixing artificial/uncompetitive bid price with an intention to deprive the Employer the benefit of open competitive bid price,</li> <li>(g) Contacting the Employer with an intention to influence the Employer with regards to the bids or interference of any kind in examination and evaluation of the bids during the period from the time of opening of the bids until the notification of award of contract.</li> </ul>
3.3	<p>PPMO on the recommendation of the Purchaser may <b>blacklist</b> a Bidder for a period of one (1) to three (3) years for its conduct including the following grounds and seriousness of the act committed by the bidder:</p> <ul style="list-style-type: none"> <li>(a) if convicted by a court of law in a criminal offence which disqualifies the Bidder from participating in the contract,</li> <li>(b) if it is established that the contract agreement signed by the Bidder was based on false or misrepresentation of Bidder’s qualification information,</li> </ul>
3.4	<p>A bidder declared blacklisted and ineligible by the GoN, Public procurement Monitoring Office (PPMO) and/or the DP in case of DP funded project, shall be ineligible to bid for a contract during the period of time determined by the GoN, PPMO and/or the DP.</p>
3.5	<p>The Supplier shall permit the GoN/DP to inspect the Supplier’s accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the GoN/DP, if so required by the GoN/DP.</p>
3.6	<p>DP Funded: In pursuance of the fraud and corruption policy, the DP.</p> <ul style="list-style-type: none"> <li>(a) will reject a proposal if it determines that the bidder recommended for award has directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices in competing for the contract in question;</li> <li>(b) will cancel the portion of the loan/ credit/ grant allocated to a contract if it determines at any time that representative(s) of the GoN or of a beneficiary of the fund engaged in corrupt, fraudulent, collusive, or coercive practices during the procurement or the execution of that contract, without the GoN having taken timely and appropriate action satisfactory to the DP to address such</li> </ul>

	practices when they occur.
<b>4. Eligible Bidders</b>	
4.1	<p>A Bidder may be a natural person, private entity, government-owned entity (subject to ITB 4.4) or any combination of them with a formal intent to enter into an agreement as specified in BDS or under an existing agreement in the form of a Joint Venture (JV). In the case of a JV:</p> <ul style="list-style-type: none"> <li>(a) all parties to the JV shall be jointly and severally liable; and</li> <li>(b) a JV shall nominate a Representative who shall have the authority to conduct all businesses for and on behalf of any and all the parties of the JV during the bidding process and, in the event the JV is awarded the Contract, during contract execution</li> </ul>
4.2	<p>A Bidder shall not have a conflict of interest. All Bidders found to have a conflict of interest shall be disqualified. A Bidder may be considered to be in a conflict of interest with one or more parties in this bidding process if, including but not limited to:</p> <ul style="list-style-type: none"> <li>(a) have controlling shareholders in common; or</li> <li>(b) receive or have received any direct or indirect subsidy from any of them; or</li> <li>(c) have the same legal representative for purposes of this Bid; or</li> <li>(d) have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder, or influence the decisions of the Purchaser regarding this bidding process; or</li> <li>(e) a Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which it is involved. However, this does not limit the inclusion of the same subcontractor, not otherwise participating as a Bidder, in more than one bid; or</li> <li>(f) a Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the goods and services that are the subject of the bid.</li> </ul>
4.3	<p>A Bidder that is under a declaration of ineligibility by the GoN/DP in accordance with ITB 3, at the date of the deadline for bid submission or thereafter, shall be disqualified. The list of debarred firms is available at the electronic address specified in the BDS.</p>
4.4	<p>Government-owned enterprises in Nepal shall be eligible only if they can establish that they (i) are legally and financially autonomous, (ii) operate under the principles of commercial law, and (iii) are not dependent agencies of the Purchaser.</p>
4.5	<p>Bidders shall provide such evidence of their continued eligibility satisfactory to the</p>

	Purchaser, as the Purchaser shall reasonably request.
4.6	<p>Firms shall be excluded in any of the cases, if</p> <p>(a) by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, the Purchaser’s country prohibits any import of goods or Contracting of works or services from that country or any payments to persons or entities in that country.</p> <p>(b) DP Funded: as a matter of law or official regulation, Nepal prohibits commercial relations with that country, provided that the DP is satisfied that such exclusion does not preclude effective competition for the supply of goods or related services required;</p> <p>(c) DP Funded: a firm has been determined to be ineligible by the DP in relation to their guidelines or appropriate provisions on preventing and combating fraud and corruption in projects financed by them.</p>
4.7	DP Funded: A bidder and all parties constituting the Bidder shall have the nationality of an eligible country as defined by the concerned DP.
4.8	Domestic Bidders shall be eligible only if the bidder has obtained Permanent Account Number (PAN), Value Added Tax (VAT) registration certificate(s) and Tax clearance certificate or proof of submission of Income Tax Return as <b>stated in BDS</b> from the Inland Revenue office. Foreign Bidders shall be eligible only if the bidder submits the documents indicated in the BDS at the time of bid submission and a declaration to submit the document(s) indicated in the BDS at the time of contract agreement.
<b>5. Eligible Goods and Related Services</b>	
5.1	<p>DP Funded: If so required in the BDS, all goods and related services to be supplied under the contract and financed by DP, shall have as their country of origin an eligible country of the DP.</p> <p>For purposes of this clause, “origin” means the place where the goods are mined, grown, or produced, or the place from which the related services are supplied.</p>
5.2	The origin of goods and services is distinct from the nationality of the Bidder.
<b>6. Site Visit</b>	
6.1	For goods contracts requiring installation/ commissioning networking or similar services at site, the Bidder, at the Bidder’s own responsibility and risk, is encouraged to visit and examine the Site and obtain all information that may be necessary for preparing the Bid and entering into a contract for the supply of goods and related services.

6.2	The Bidder should ensure that the Purchaser is informed of the visit in adequate time to allow it to make appropriate arrangements.
6.3	The costs of visiting the Site shall be at the Bidder's own expense.
<b>B. Contents of Bidding Document</b>	
<b>7. Sections of the Bidding Document</b>	
7.1	<p>The Bidding Document consist of Parts 1, 2, and 3, which include all the Sections indicated below, and should be read in conjunction with any Addenda issued in accordance with ITB 8.</p> <p style="text-align: center;"><b>PART 1 Bidding Procedures</b></p> <ul style="list-style-type: none"> <li>• Section I. Instructions to Bidders (ITB)</li> <li>• Section II. Bid Data Sheet (BDS)</li> <li>• Section III. Evaluation and Qualification Criteria</li> <li>• Section IV. Bidding Forms</li> </ul> <p style="text-align: center;"><b>PART 2 Supply Requirements</b></p> <ul style="list-style-type: none"> <li>• Section V. Schedule of Supply</li> </ul> <p style="text-align: center;"><b>PART 3 Conditions of Contract and Contract Forms</b></p> <ul style="list-style-type: none"> <li>• Section VI. General Conditions of Contract (GCC)</li> <li>• Section VII. Special Conditions of Contract (SCC)</li> <li>• Section VIII. Contract Forms</li> </ul>
7.2	The Invitation for Bids issued by the Purchaser is not part of the Bidding Document.
7.3	The Purchaser is not responsible for the completeness of the Bidding Document and its addenda, if they were not obtained directly from the Purchaser.
7.4	The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Document. Failure to furnish all information or documentation required by the Bidding Document may result in the rejection of the Bid.
<b>8. Clarification of Bidding Document/Pre-Bid Meeting</b>	
8.1	A prospective Bidder requiring any clarification of the Bidding Document shall contact the Purchaser in writing at the Purchaser's address indicated in the BDS. The Purchaser will respond in writing to any request for clarification, provided that such request is received within the time limit specified in the BDS prior to the deadline for submission of Bids. The Purchaser shall forward copies of its response to all Bidders

	who have acquired the Bidding Document directly from it, including a description of the inquiry but without identifying its source. Should the Purchaser deem it necessary to amend the Bidding Document as a result of a clarification, it shall do so following the procedure under ITB 9 and 24.2.
8.2	The purchaser may organize a pre-bid meeting of Bidders at least fifteen (15) days before the deadline for submission of Bids at the place, date and time as <b><i>specified in the BDS</i></b> to provide information relating to Bidding Documents, Technical specifications and the like matters. Should the purchaser deem it necessary to amend the Bidding Document as a result of a clarification, it shall do so following the procedure under ITB 9 and ITB 24.2.
<b>9. Amendment of Bidding Document</b>	
9.1	At any time prior to the deadline for submission of the Bids, the Purchaser may amend the Bidding Document by issuing addenda.
9.2	Any addendum issued shall be part of the Bidding Document and shall be communicated in writing to all who have obtained the Bidding Document directly from the Purchaser.
9.3	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 the Bids, pursuant to ITB 24.2
<b>C. Preparation of Bids</b>	
<b>10. Cost of Bidding</b>	
10.1	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.
<b>11. Language of Bid</b>	
11.1	The Bid, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and the Purchaser, shall be written in the language <b><i>specified in the BDS</i></b> . Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language <b><i>specified in the BDS</i></b> , in which case, for purposes of interpretation of the Bid, such translation shall govern.
<b>12. Documents Comprising the Bid</b>	
12.1	The Bid shall comprise the following: (a) Bid Submission Sheet and the applicable Price Schedules, in accordance with

	<p>ITB Clauses 13, 15, and 16;</p> <p>(b) Bid Security, in accordance with ITB 21;</p> <p>(c) alternative bids, if permissible, in accordance with ITB 14;</p> <p>(d) written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB 22;</p> <p>(e) documentary evidence in accordance with ITB 17 establishing the Bidder’s eligibility to bid;</p> <p>(f) documentary evidence in accordance with ITB Clauses 18 and 31, that the Goods and Related Services conform to the Bidding Document;</p> <p>(g) documentary evidence in accordance with ITB 19 establishing the Bidder’s qualifications to perform the contract if its Bid is accepted; and</p> <p>(h) any other document <b>required in the BDS</b>.</p>
<b>13. Bid Submission Sheet and Price Schedules</b>	
13.1	The Bidder shall submit the Bid Submission Sheet using the form furnished in <b>Section IV, Bidding Forms</b> . 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.
13.2	The Bidder shall submit the Price Schedules for Goods and Related Services, according to their origin as appropriate, using the forms furnished in <b>Section IV, Bidding Forms</b> .
<b>14. Alternative Bids</b>	
14.1	Unless otherwise <b>indicated in the BDS</b> , alternative bids shall not be considered.
<b>15. Bid Prices and Discounts</b>	
15.1	The prices and discounts quoted by the Bidder in the Bid Submission Sheet and in the Price Schedules shall conform to the requirements specified below.
15.2	All items in the Schedule of Supply 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. Items not listed in the Price Schedule shall be assumed not to be included in the Bid, and provided that the Bid is substantially responsive, the corresponding adjustment shall be applied in accordance with <b>ITB 32.3</b>
15.3	The price to be quoted in the Bid Submission Sheet shall be the total price of the Bid excluding any discounts offered.
15.4	The Bidder shall quote any unconditional discounts and the methodology for their application in the Bid Submission Sheet. Also Refer to BDS for instructions.

15.5	The terms EXW, CIF, CIP, and other similar terms shall be governed by the rules prescribed in the current edition of Incoterms, published by The International Chamber of Commerce, at the date of the Invitation for Bids <b>or as specified in the BDS.</b>
15.6	<p>Prices shall be quoted as specified in each Price Schedule included in <b>Section IV, Bidding Forms</b>. The disaggregation of price components is required solely for the purpose of facilitating the comparison of Bids by the Purchaser. This shall not in any way limit the Purchaser’s right to contract on any of the terms offered. Prices shall be entered in the following manner:</p> <p>(a) For Goods manufactured in Nepal:</p> <ol style="list-style-type: none"> <li>i. the price of the goods quoted EXW (ex works, ex factory, ex warehouse, ex showroom, or off-the-shelf, as applicable), including all customs duties, Value Added Tax and other taxes already paid or payable on the components and raw material used in the manufacture or assembly of goods quoted ex works or ex factory, or on the previously imported goods of foreign origin quoted ex warehouse, ex showroom, or off-the-shelf;</li> <li>ii. Value Added Tax and all other taxes applicable in Nepal and payable on the Goods if the Contract is awarded to the Bidder; and</li> <li>iii. the price for inland transportation, insurance, and other local services required to convey the Goods to their final destination (Project Site) specified in the <b>BDS</b>.</li> </ol> <p>(b) For Goods manufactured outside Nepal, to be imported:</p> <ol style="list-style-type: none"> <li>i. the price of the goods quoted CIF (named port of destination), or CIP (border point), or CIP (named place of destination), named place of destination as <b>specified in the BDS</b>;</li> <li>ii. the price for inland transportation, insurance, and other local services required to convey the Goods from the named place of destination to their final destination (Project Site) <i>specified in the BDS</i>;</li> <li>iii. in addition to the CIP prices specified in (b)(i) above, the price of the Goods to be imported may be quoted FCA (named place of destination) or CPT (named place of destination), if so <b>specified in the BDS</b>;</li> </ol> <p>(c) For Goods manufactured outside Nepal, already imported:</p> <p><i>[For previously imported Goods, the quoted price shall be distinguishable from the original import value of these Goods declared to customs and shall include any rebate or mark-up of the local agent or representative and all local costs except import duties and taxes, which have been and/or have to be</i></p>

	<p><i>paid by the Purchaser. For clarity the bidders are asked to quote the price including import duties, and additionally to provide the import duties and the price net of import duties which is the difference of those values.]</i></p> <ul style="list-style-type: none"> <li>i. the price of the Goods, including the original import value of the Goods; plus, any mark-up (or rebate); plus, any other related local cost, and customs duties and other import taxes already paid or to be paid on the Goods already imported.</li> <li>ii. the customs duties and other import taxes already paid (need to be supported with documentary evidence) or to be paid on the Goods already imported;</li> <li>iii. the price of the Goods, obtained as the difference between (i) and (ii) above;</li> <li>iv. any sales and other taxes which will be payable on the Goods if the contract is awarded to the Bidder; and</li> <li>v. The price for inland transportation, insurance, and other local services required to convey the Goods from the named place of destination to their final destination (Project Site) specified in the BDS.</li> </ul> <p>(d) For Related Services, other than inland transportation and other services required to convey the Goods to their final destination, whenever such Related Services are specified in the Schedule of Requirements:</p> <ul style="list-style-type: none"> <li>i. the local currency cost component of each item comprising the Related Services; and</li> <li>ii. the foreign currency cost component of each item comprising the Related Services, inclusive of all customs duties, Value Added Tax and other taxes applicable in the Purchaser’s country, payable on the related services, if the contract is awarded to the Bidder.</li> </ul>
15.7	<ul style="list-style-type: none"> <li>a) Prices quoted by the Bidder shall be fixed during the Bidder’s performance of the Contract and not subject to variation on any account, unless otherwise <b>specified in the BDS</b>. A Bid submitted with an adjustable price quotation shall be treated as nonresponsive and shall be rejected. However, if in accordance with the BDS, prices quoted by the Bidder shall be subject to adjustment during the performance of the Contract, a Bid submitted with a fixed price quotation shall not be rejected, but the price adjustment shall be treated as zero.</li> <li>b) If so indicated pursuant to ITB 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</li> </ul>

	<p>item of a lot. Bidders wishing to offer any price reduction for the award of more than one Contract shall specify the applicable price reductions in accordance with ITB 15.4, provided the bids for all lots are submitted and opened at the same time.</p>
<p><b>16. Currencies of Bid</b></p>	
16.1	<p>Bid prices shall be quoted in the following currencies:</p> <p>(a) Bidders may express their bid price in any fully convertible currency. If a Bidder wishes to be paid in a combination of amounts in different currencies, it may quote its price accordingly but shall use currencies <i>as specified in BDS</i> in addition to the Nepali currency.</p> <p>(b) All expenditures that are to be incurred in Nepal for i) inland transportation and related costs, ii) all taxes, and iii) local currency cost component of related services other than inland transportation and other services should be expressed in the Bid in Nepalese currency and will be payable in Nepalese currency.</p>
<p><b>17. Documents Establishing the Eligibility of the Bidder</b></p>	
17.1	<p>To establish their eligibility in accordance with ITB 4, Bidders shall:</p> <p>(a) complete the eligibility declarations in the Bid Submission Sheet, included in <b>Section IV, Bidding Forms</b>; and</p> <p>(b) If the Bidder is an existing or intended JV in accordance with ITB 4.1, submit a copy of the JV Agreement, or a letter of intent to enter into such an Agreement. The respective document shall be signed by all legally authorized signatories of all the parties to the existing or intended JV, as appropriate.</p>
17.2	<p>Bidders, applying for eligibility for domestic preference as indicated in ITB 35 shall submit the certification of country of origin issued by authorized agency to satisfy the offered goods are produced in Nepal as described in section III, Evaluation and Qualification Criteria.</p>
<p><b>18. Documents Establishing the Conformity of the Goods and Related Services to the Bidding Document</b></p>	
18.1	<p>To establish the conformity of the Goods and Related Services to the Bidding Document, the Bidder shall furnish as part of its Bid the documentary evidence that the Goods and Related Services conform to the requirements specified in <b>Section V, Schedule of Supply</b></p>
18.2	<p>The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item-by-item description of the essential technical and performance characteristics of the Goods and Related Services, demonstrating substantial responsiveness of the Goods and Related Services to those requirements,</p>

	and if applicable, a statement of deviations and exceptions to the provisions of <b>Section V, Schedule of Supply.</b>
18.3	The Bidder shall also furnish a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the Goods during the period <b>specified in the BDS</b> following commencement of the use of the goods by the Purchaser.
18.4	Standards for workmanship, process, material, and equipment, as well as references to brand names or catalogue numbers specified by the Purchaser in the Section V, Schedule of Supply, are intended to be descriptive only and not restrictive. The Bidder may offer other standards of quality, brand names, and/or catalogue numbers, provided that it demonstrates, to the Purchaser’s satisfaction, that the substitutions ensure substantial equivalence or are superior to those specified in <b>Section V, Schedule of Supply.</b>
<b>19. Documents Establishing the Qualifications of the Bidder</b>	
19.1	The documentary evidence of the Bidder’s qualifications to perform the contract, if its bid is accepted, shall establish to the Purchaser’s satisfaction that the Bidder meets each of the qualification criterion specified in <b>Section III, Evaluation and Qualification Criteria.</b>
19.2	If so required in the <b>BDS</b> , 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 <b>Section IV, Bidding Forms</b> to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in Nepal and take care of the warranty provided.
19.3	If so <b>required in the BDS</b> , a Bidder that does not conduct business within Nepal shall submit evidence that it will be represented by an Agent in the country 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.
19.4	A foreign Bidder wishing to have or already having a local agent shall state the following: <ul style="list-style-type: none"> <li>(a) Name and address of the Agent/Representative,</li> <li>(b) The Agent/Representative providing type of services,</li> <li>(c) Amount of commission if the Agent/Representative is entitled to get such payment and if it participates in the procedure of payment,</li> <li>(d) Other agreement with Agent/Representative, if any,</li> <li>(e) Bidder shall certify in the Letter of Authorization as follows: "We certify that the statement and disclosure made by us on the above are complete and true to the best of our knowledge and belief",</li> </ul>

	<p>If the agent has not been appointed:</p> <p>(f) Source of information about tender invitation,</p> <p>(g) The remuneration given to the individual or firm/company or organization to work on its behalf for submitting tender, representation in the bid opening and other required action in connection with the tender,</p> <p>(h) Transfer or handover an evidence of foreign currency exchanged which required to be submitted with the tender,</p> <p>(i) If the bank account of any Nepali citizen has been used for the exchange of foreign currency specify the name of the individual and his address. If the foreign currency has been exchanged by self then the certificate of currency exchange.</p>
19.5	<p>If a foreign Bidder in its Bid, has not provided the information mentioned in ITB 19.4 or has submitted its bid stating that the Bidder does not have a local agent and later it is proved that the bidder has a local agent or it is proved that the commission mentioned in the Bid is less than the commission received by the local agent then the Purchaser shall initiate proceedings to blacklist such bidder in accordance with ITB 3.3.</p>
<p><b>20. Period of Validity of Bids</b></p>	
20.1	<p>Bid shall remain valid for a period <b>specified in the BDS</b> after the bid submission deadline date prescribed by the purchaser. A bid valid for a shorter period shall be rejected by the purchaser as nonresponsive.</p>
20.2	<p>In exceptional circumstances, prior to the expiration of the bid validity period, 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 21, 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. Also refer to BDS for further instruction.</p>
<p><b>21. Bid Security</b></p>	
21.1	<p>Unless otherwise <b>specified in the BDS</b>, the Bidder shall furnish as part of its bid, in original form, a Bid Security as specified in the BDS.</p>
21.2	<p>If a bid security is specified pursuant to ITB 21.1, the bid security shall be in any of the following forms at the Bidder's option:</p> <p>(a) original copy of an unconditional bank guarantee from reputed commercial foreign bank or;</p> <p>(b) original copy of an unconditional bank guarantee from "A" class commercial bank in Nepal or;</p>

	<p>(c) Original copy of cash deposit voucher in the Purchaser's Account as specified in BDS.</p> <p>In case of a bank guarantee, the Bid Security shall be submitted using the Bid Security Form included in Section IV, Bidding Forms. The form must include the complete name of the Bidder. The Bid Security shall be valid for minimum thirty (30) days beyond the end of the validity period of the bid. This shall also apply if the period for bid validity is extended.</p> <p>A bid security issued by foreign bank must be counter – guaranteed by an "A" class commercial bank in Nepal acceptable to the Purchaser.</p>
21.3	<p>If a bid Security is required in accordance with ITB 21.1, any Bid not accompanied by an enforceable and compliant Bid Security in accordance with ITB 21.2, shall be rejected by the Purchaser as nonresponsive.</p> <p>In case of e- Submission, if the scanned copy of an acceptable bid security letter is not uploaded with the electronic bid then bid shall be rejected.</p>
21.4	<p>If a Bid Security is specified pursuant to ITB 21.1, the Bid Security of unsuccessful Bidders shall be returned within three (3) days upon the successful Bidder furnishing of the signed Contract Agreement and the Performance Security pursuant to ITB 43.</p>
21.5	<p>If a Bid Security is specified pursuant to ITB 21.1, the Bid Security of the successful Bidder shall be returned as promptly as possible once the successful Bidder has signed the Contract Agreement and furnished the required Performance Security.</p>
21.6	<p>The Bid Security may be forfeited when the :</p> <p>(a) If a Bidder requests for withdrawal or modification of its bid as against of the ITB clause 26.3 during the period of bid validity specified by the Bidder on the Bid submission form except as provided in ITB 20.2; or</p> <p>(b) if the successful Bidder fails to:</p> <p>i. sign the Contract in accordance with ITB 44; or</p> <p>ii. Furnish a Performance Security in accordance with ITB 43.</p> <p><b>Refer to BDS for further instruction</b></p>
21.7	<p>The Bid Security of a JV 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 Security shall be in the names of all future partners as named in the letter of intention mentioned in ITB 17.1.</p>
<p><b>22. Format and Signing of Bid</b></p>	
22.1	<p>The Bidder shall prepare one original of the documents comprising the Bid as described in ITB 12 and clearly mark it “ORIGINAL.” In addition, the Bidder shall submit copies of the Bid, in the number <b>specified in the BDS</b> and clearly mark them</p>

	“COPY.” In the event of any discrepancy between the original and the copies, the original shall prevail.
22.2	The original and all copies 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. This authorization shall be attached with the Bid.
22.3	Any amendments such as interlineations, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the Bid.
<b>D. Submission and Opening of Bids</b>	
<b>23. Submission, Sealing and Marking of Bids</b>	
23.1	Bidders may always submit their bids by mail or by hand or by courier. When so <b>specified in the BDS</b> , Bidders have the option of submitting their bids electronically. Bidders submitting bids electronically shall follow the electronic bid submission procedures <b>specified in the BDS</b> .
23.2	Bidders submitting bids by mail or by hand or by courier shall enclose the original and each copy of the Bid, including alternative bids, if permitted in accordance with ITB 14, in separate sealed envelopes, duly marking the envelopes as “ORIGINAL”, “ALTERNATIVE” and “COPY.” These envelopes containing the original and the copies shall then be enclosed in one single envelope. The rest of the procedure shall be in accordance with ITB 23.3 and 23.4.
23.3	The inner and outer envelopes shall: <ul style="list-style-type: none"> <li>(a) bear the name and address of the Bidder;</li> <li>(b) be addressed to the Purchaser in accordance with ITB 24.1;</li> <li>(c) bear the specific identification of this bidding process pursuant to ITB 1.1 and any additional identification marks as specified in the BDS; and</li> <li>(d) Bear a warning "NOT TO OPEN BEFORE THE TIME AND DATE FOR BID OPENING", in accordance with ITB 27.1.</li> </ul>
23.4	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.
<b>24. Deadline for Submission of Bids</b>	
24.1	Bids must be received by the Purchaser at the address and no later than the date and time <b>indicated in the BDS</b> . In case of e-submission, the standard time for e-submission is Nepal Standard Time as set out in the server. The e-procurement system will accept the e-submission of bid from the date of publishing of notice and will automatically not allow the e-submission of bid after the deadline for submission of bid.

24.2	The Purchaser may, at its discretion, extend the deadline for the submission of Bids by amending the Bidding Document in accordance with ITB 9, 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.
<b>25. Late bids</b>	
25.1	The Purchaser shall not consider any Bid that arrives after the deadline for submission of Bids, in accordance with ITB 24. Any Bid received by the Purchaser after the deadline for submission of Bids shall be declared late, rejected, and returned unopened to the Bidder.
<b>26. Withdrawal and Modification of Bids</b>	
26.1	<p>A bidder may withdraw, or modify its bid after it has been submitted either in hard copy or by e-Submission. Procedures for withdrawal or modification of submitted bids are as follows:</p> <ul style="list-style-type: none"> <li>i. Bids submitted in hard Copy <ul style="list-style-type: none"> <li>a. A bidder may withdraw or modify its bids by sending a written notice in a sealed envelope, duly signed by an authorized representative, and shall include a copy of the authorization in accordance with ITB 22.2 before 24 hours prior to the last deadline of submission of bid. The corresponding modification of the bid must accompany the respective written notice. All notices must be: <ul style="list-style-type: none"> <li>I. prepared and submitted in accordance with ITB 20 and ITB 21, and in addition, the respective envelopes shall be clearly marked “WITHDRAWAL”, “MODIFICATION;” and</li> <li>II. Received by the Purchaser 24 hours prior to the deadline prescribed for submission of bids, in accordance with ITB 22.</li> </ul> </li> </ul> </li> <li>ii. E-submitted bids. <ul style="list-style-type: none"> <li>a. Bidder may submit modification or withdrawal prior to the deadline prescribed for submission of bids through e-procurement portal system by using the forms and instructions provided by the system. Once a Bid is withdrawn, bidder shall not able to submit another bid for the same bid.</li> </ul> </li> </ul>
26.2	Bids requested to be withdrawn in accordance with ITB 26.1 shall be returned unopened to the Bidders.
26.3	<p>In case of bids submitted in hard copy no bid shall be withdrawn or modified in the interval between 24 hours prior time of the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Letter of Bid or any extension thereof.</p> <p>In case of e-submitted bids no bids shall be withdrawn or modified in the interval</p>

	between 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.
26.4	Sealed envelope pursuant to ITB 26.1 shall be opened only on the date and time of opening of bid.
<b>27. Bid Opening</b>	
27.1	<p>The Purchaser shall conduct the bid opening in public in the presence of bidder or its representative who chose to attend at the address, date and <b>time specified in the BDS</b>. The Purchaser shall download the e-submitted bid files. The e-procurement system allows the Purchaser to download the e-submitted bid files (report) only after bid opening date and time.</p> <p>Electronically submitted bid shall be opened at first in the same time and date as specified above. Electronic Bids shall be opened one by one and read out. The e-submitted bids must be readable through open standards interfaces. Unreadable and or partially submitted bid files shall be considered incomplete.</p>
27.2	<p>Before opening the bids the purchaser shall separate the envelopes of the bids received after the deadline of bid submission, the envelopes containing an application given for “WITHDRAWAL”, or “MODIFICATION” of bids and the envelopes of bids duly registered. The bids received after the deadline of submission shall be returned to the concerned bidder unopened. Then envelopes marked “WITHDRAWAL” shall be opened first, read out, and recorded, and the envelope containing the corresponding Bid shall not be opened, but returned to the Bidder. If the withdrawal notice is not accompanied by a copy of the valid authorization pursuant to ITB 22.2, the withdrawal shall not be permitted and the corresponding Bid will be opened. Next Envelopes marked “MODIFICATION” shall be opened, read out, and recorded with the corresponding Bid. No Bid shall be modified unless the corresponding “Modification” Notice contains a valid authorization to request the modification and is read out and recorded at bid opening. Only envelopes that are opened, read out, and recorded at bid opening shall be considered further.</p>
27.3	<p>All other envelopes shall be opened one at a time, and the following read out and recorded: the name of the Bidder and whether there is a modification; the Bid Prices (per lot if applicable), any discounts and alternative offers; the presence of a Bid Security, if required; if there is discrepancy between figure and words, description of such discrepancy; whether the bid form is signed by the bidder or his agent; and any other details as the Purchaser may consider appropriate. Only discounts and alternative offers read out and recorded at bid opening shall be considered for evaluation. No Bid shall be rejected at bid opening except for late bids, in accordance with ITB 25.1.</p>

27.4	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, any discounts and alternative offers if they were permitted; and the presence or absence of a Bid Security. The Bidders’ representatives who are present shall be requested to sign the record. The omission of a Bidder’s signature on the record shall not invalidate the contents and effect of the record. The Bidders’ representatives who are present shall also be requested to sign an attendance sheet.
<b>E. Evaluation and Comparison of Bids</b>	
<b>28. Confidentiality</b>	
28.1	Information relating to the examination, evaluation, comparison, and post-qualification 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; thereafter, information will be disclosed in accordance with ITB 44. 2.
28.2	Any attempt 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.
28.3	Notwithstanding ITB 28.2, from the time of bid opening to the time of Contract award, if any Bidder wishes to contact the Purchaser on any matter related to the bidding process, it should do so in writing.
<b>29. Clarification of Bids</b>	
29.1	To assist in the examination, evaluation, comparison and post-qualification of the Bids, the Purchaser may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder with regard to its Bid and that is not in response to a request by the Purchaser shall not be considered. 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 33.
<b>30. Deviations, Reservations, and Omissions</b>	
30.1	During the evaluation of bids, the following definitions apply: (a) “Deviation” is a departure from the requirements specified in the Bidding Document; (b) “Reservation” is the setting of limiting conditions or withholding from

	<p>complete acceptance of the requirements specified in the Bidding Document; and</p> <p>(c) “Omission” is the failure to submit part or all of the information or documentation required in the Bidding Document.</p>
<b>31. Determination of Responsiveness</b>	
31.1	The Purchaser’s determination of the responsiveness of a Bid is to be based on the contents of the Bid itself, as defined in ITB 12.
31.2	<p>A substantially responsive bid is one that meets the requirements of the Bidding Document without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that,</p> <p>(a) if accepted, would:</p> <ul style="list-style-type: none"> <li>i. affect in any substantial way the scope, quality, or performance of the Goods and Related Services specified in <b>Section V, Schedule of Supply; or</b></li> <li>ii. limits in any substantial way, inconsistent with the Bidding Document, the Purchaser’s rights or the Bidder’s obligations under the proposed Contract; or</li> </ul> <p>(b) if rectified, would unfairly affect the competitive position of other Bidders presenting substantially responsive bids.</p>
31.3	The Purchaser shall examine the technical aspects of the bid in particular, to confirm that all requirements of Section V, Schedule of Supply have been met without any material deviation or reservation.
<b>32. Non-material Non-conformities</b>	
32.1	Provided that a Bid is substantially responsive, the Purchaser may waive any non-conformity in the bid that does not constitute a material deviation, reservation or omission.
32.2	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 non-material non-conformities or omissions in the Bid related to documentation requirements. Requesting information or documentation on such nonconformities 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.
32.3	Provided that a Bid is substantially responsive, the Purchaser shall rectify non-material nonconformities or omissions. To this effect, the Bid Price shall be adjusted, for comparison purposes only, to reflect the price of the missing or non-conforming item or component. The adjustment shall be made using the method indicated in <b>Section III, Evaluation and Qualification Criteria.</b>

32.4	If minor differences are found such as in technical specification, description, feature which do not make the bid to be rejected, then the cost, which is calculated to the extent possible due to such differences, shall be included while evaluating bid.
32.5	If the value is found fifteen percent more than the quoted amount of the bidder on account of minor differences pursuant to as specified in BDS, such bid shall be considered ineffective in substance and shall not be considered for evaluation.
<b>33. Correction of Arithmetical Errors</b>	
33.1	<p>Provided that the Bid is substantially responsive, the Purchaser shall correct arithmetical errors on the following basis:</p> <ul style="list-style-type: none"> <li>(a) if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price 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 total price as quoted shall govern and the unit price shall be corrected;</li> <li>(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</li> <li>(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.</li> </ul>
33.2	If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be rejected and its bid security shall be forfeited.
<b>34. Conversion to Single Currency</b>	
34.1	For evaluation and comparison purposes, the price quoted in different currency(ies) of the bid shall be converted into Nepali Rupees using the selling exchange rates established by Nepal Rastra Bank and on the date of bid opening.
<b>35. Domestic Preference</b>	
35.1	Unless otherwise <b>specified in the BDS</b> , domestic preference shall be a factor in bid evaluation.
<b>36. Evaluation of Bids</b>	
36.1	The Purchaser shall evaluate each Bid that has been determined, up to this stage of the evaluation, to be substantially responsive.
36.2	To evaluate a Bid, the Purchaser shall only use all the criteria and methodologies defined in this Clause and in <b>Section III, Evaluation and Qualification Criteria</b> . No other criteria or methodology shall be permitted.

36.3	<p>To evaluate a Bid, the Purchaser shall consider the following:</p> <ul style="list-style-type: none"> <li>(a) evaluation will be done for Items or Lots, <b>as specified in the BDS</b>; the bid price as quoted in accordance with ITB 15;</li> <li>(b) price adjustment for correction of arithmetic errors in accordance with ITB 33.1;</li> <li>(c) price adjustment due to discounts offered in accordance with ITB 15.4; and</li> <li>(d) Price adjustment due to application of the evaluation criteria specified in the BDS from amongst those set out in Section III, Evaluation and Qualification Criteria. These criteria may include factors related to the characteristics, performance, and terms and conditions of purchase of the Goods and Related Services which shall be expressed to the extent practicable in monetary terms to facilitate comparison of bids unless otherwise specified in Section III Evaluation and Qualification Criteria.</li> <li>(e) Price adjustment due to the application of a margin of preference in accordance with ITB clause 35.</li> </ul>
36.4	<p>The Purchaser’s evaluation of a bid will exclude and not take into account:</p> <ul style="list-style-type: none"> <li>(a) in the case of Goods offered from within Nepal, all sales tax and all other taxes, applicable in Nepal and payable on the Goods if the Contract is awarded to the Bidder;</li> <li>(b) in the case of Goods offered from outside Nepal, all customs duties, sales tax, and other taxes, applicable in Nepal and payable on the Goods if the Contract is awarded to the Bidder; and</li> <li>(c) Any allowance for price adjustment during the period of performance of the Contract, if provided in the Bid.</li> </ul>
36.5	<p>The Purchaser’s evaluation of a bid may require the consideration of other factors, in addition to the Bid Price quoted in accordance with ITB Clause 15. 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, unless otherwise specified in Section III, Evaluation and Qualification Criteria. The factors, methodologies and criteria to be used shall be as specified in ITB 36.3 (d).</p>
36.6	<p>If so <b>specified in the BDS</b>, these Bidding Documents shall allow Bidders to quote separate prices for one or more lots, and shall allow the Purchaser to award one or multiple lots to more than one Bidder. The methodology of evaluation to determine the lowest-evaluated lot combinations is specified in Section III, Evaluation and Qualification Criteria.</p>
<p><b>37. Comparison of Bids</b></p>	
37.1	<p>The Purchaser shall compare all substantially responsive bids to determine the lowest-</p>

	evaluated bid, in accordance with ITB 36.
<b>38. Post-qualification of the Bidder</b>	
38.1	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.
38.2	The determination shall be based upon an examination of the documentary evidence of the Bidder’s qualifications submitted by the Bidder, pursuant to ITB 19.
38.3	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.
<b>39. Purchaser’s Right to Accept Any Bid, and to reject any or All Bids</b>	
39.1	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 the Bidders. Also refer to BDS.
<b>F. Award of Contract</b>	
<b>40. Award Criteria</b>	
40.1	The Purchaser shall select for awarding the Contract to the Bidder whose offer has been determined to be the lowest evaluated Bid and is substantially responsive to the Bidding Document, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.
<b>41. Purchaser’s Right to Vary Quantities at Time of Award</b>	
41.1	At the time the Contract is awarded, the Purchaser reserves the right to increase or decrease the quantity of Goods and Related Services originally specified in Section V, Schedule of Supply, provided this does not exceed the percentages <b>indicated in the BDS</b> , and without any change in the unit prices or other terms and conditions of the Bid and the Bidding Document.
<b>42. Notification of Intention to Award</b>	
42.1	The Purchaser shall notify the concerned Bidder whose bid has been selected in accordance with ITB 40.1 within seven days of the selection of the bid, in writing that the Purchaser has intention to accept his/her bid and the information regarding name, address and bid amount of the selected bidder shall be given to all other bidders using the “Letter of Intention” form included in Section VIII. Contract Forms

42.2	If no bidder submits an application pursuant to ITB 45.1 within a period of seven days of providing the notice under ITB 42.1, the Purchaser shall accept the bid selected in accordance with ITB 40.1 prior to the expiry of bid validity period, and notification of award shall be communicated to the bidder to furnish the performance security and sign the contract within fifteen days.
<b>43. Performance Security</b>	
43.1	Within fifteen (15) days of the receipt of notification of award from the Purchaser, the successful Bidder shall furnish the Performance Security in accordance with the GCC, using for that purpose the Performance Security Form included in Section VIII, Contract Forms, or another form acceptable to the Purchaser.
43.2	Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the Contract Agreement shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security. 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.
<b>44. Signing of Contract</b>	
44.1	The successful Bidder shall sign the contract in the form included in section VIII after the submission of performance security in accordance with ITB 43.
44.2	At the same time, the Purchaser shall affix a public notice on the result of the award on its notice board and make arrangement to post the notice into its website, if it has; and if it does not have, into the website of the Public Procurement Monitoring Office, the contract award results identifying the bid and lot numbers and the following information: (i) name of each Bidder who submitted a Bid; (ii) bid prices as read out at Bid Opening; (iii) name and evaluated prices of each Bid; (iv) name of bidders whose bids were rejected and the reasons for their rejection; and (v) name of the winning Bidder, and the Price it offered, as well as the duration and summary scope of the Contract awarded.
44.3	The Purchaser shall promptly respond in writing to any unsuccessful Bidder who, within thirty days from the date of issuance of notification of award in accordance with ITB 42.2, requests in writing the grounds on which its bid was not selected
44.4	If the bidder whose bid is accepted fails to sign the contract as stated ITB 44.2, the Public Procurement Monitoring Office shall blacklist the bidder on recommendation of the Public Entity.
<b>45. Complaint and Review</b>	
45.1	If a Bidder is not satisfied with the procurement process or purchaser’s decision

	provided as per ITB 42.1 and believes that the purchaser has committed an error or breach of duty which has or will result in loss to him then the Bidder may give an application for review of the decision to the Office Chief of the procuring entity (Purchaser) with reference to the error or breach of duty committed by the purchaser. The complaint application should be given within 7 days of receipt of the information regarding the issue of intention to accept letter by the Client. Application, for review of purchaser's decision, filed after the deadline shall not be processed
45.2	The Office chief of the Procuring Entity (Purchaser shall), within five (5) days after receiving the complaint application, give its decision with reasons, in writing pursuant to ITB 45.1: (a) whether to suspend the procurement proceeding and the procedure for further proceedings to be adopted; or (b) Whether or not to reject a complaint application.
45.3	If the Bidder, who has submitted the complaint application, is not satisfied with the decision of the Office Chief in accordance with ITB 45.2, or the decision by the Office Chief is not given within five (5) days of receipt of the complaint application pursuant to ITB 45.1, then the applicant, within seven (7) days of receipt of such decision, may file an application with relevant supporting documents to the Public Procurement Review Committee of the GoN, stating the reason of its disagreement on the decision of the Office Chief provided that its bid amount is above the amount specified in the BDS. Together with the review application, the applicant shall furnish a guarantee, in the form of cash or Bank guarantee equivalent to zero point five percent (0.5%) of its quoted bid amount, with the validity period of at least ninety (90) days from the date of the filing of the review application.
45.4	Late application filed after the deadline pursuant to ITB 45.3 shall not be processed
45.5	The Public Procurement Review Committee, shall give its decision within 30 days after receiving the review application filed pursuant to ITB 45.3 on the basis of i) the information and comments received from the Purchaser, ii) evidence, documents submitted along with the application by the applicant and iii) information received on inquiring both the parties regarding the matter.
45.6	If the claim made by the Bidder pursuant to ITB 45.3 is justified, the Review Committee shall return the security deposit to the applicant, pursuant to ITB 45.3, within seven (7) days of the Public Procurement Review Committee's decision.
45.7	If the claim made by the Bidder pursuant to ITB 45.3 is rejected by the Review Committee, the security deposit submitted by the Bidder pursuant to ITB 45.3 shall be forfeited.

**46. Provision of PPA and Financial Regulations of Nepal Television**

- |      |   |
|------|---|
| 46.1 | If any provisions of this document are inconsistent with Public Procurement Act (PPA), 2063 or Public Procurement Regulations (PPR), 2064, the provisions of this document shall be void to the extent of such inconstancy and the provisions of PPA and PPR shall prevail. |
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## **Section II.**

# **Bid Data Sheet (BDS)**

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<b>A. Introduction</b>	
<b>ITB 1.1</b>	<p>Name of the Purchaser: Nepal Television Corporation (NTV)</p> <hr/> <p>Name and identification number of the contract:  Name:  <b>Digital File Based Workflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Play-out, NRCS, MAM, NLE, Digital Archiving System and Accessories.</b>  Identification No.: <b>NTV-077/78-06</b></p> <hr/> <p>The number, identification and names of the lots comprising this contract: [Insert number, lists the lots and related Goods or any combination of contract (package)] <b>Not Applicable</b></p>
<b>ITB 2.1</b>	<p>Name of the Project: <b>Digital File Based Workflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Payout, NRCS, MAM, NLE, Digital Archiving System and Accessories.</b></p> <p>Name of the DP: <b>Not Applicable</b></p> <p>Implementing Agency: Nepal Television Corporation (NTV)</p> <p>Funding: Government of Nepal</p>
<b>ITB 2.1</b>	<p>Name of Contract <b>Digital File Based Workflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Payout, NRCS, MAM, NLE, Digital Archiving System and Accessories.(NTV-077/78-06)</b></p>
<b>ITB 4.1</b>	<p><b>Participation in Consortium: Not Applicable</b></p> <p><b><u>Bidding on behalf of a Principal Company</u></b>  In case of Nepali Company submitting bid proposal on behalf of a Principal Company (Manufacturer/ Bidder other than Nepalese):</p> <ol style="list-style-type: none"> <li>i. The Bidder (Principal Company) shall furnish <b>Power of Attorney</b> to Nepali Company to submit a Bid.</li> <li>ii. The Bidder (Principal Company) shall quote the prices as stated in clause ITB 15.</li> <li>iii. Nepali Company wishing to furnish the bid security on behalf of Principal Company shall furnish the Bid security in the manner and terms &amp; conditions as mentioned in ITB 21.2.</li> <li>iv. The Bidder (Principal Company) may authorize Nepali Company to sign the Contract on behalf of Bidder (Principal Company) if the bidder happens to be a successful bidder.</li> <li>v. If the bidder happens to be a successful bidder, the Performance Security shall be furnished by Principal Company in currency of Contract ie USD.</li> <li>vi. Nepal Television shall open L/C in the name of Principal Manufacturer /Bidder and payment shall be made to the Principal Manufacturer /Bidder only after deducting</li> </ol>

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	TDS (Tax Deduction at Source) applicable at the time of payment as per Income Tax Law of Nepal.
<b>ITB 4.3</b>	A list of debarred firms is available at <a href="http://www.ppmo.gov.np">http://www.ppmo.gov.np</a>
<b>ITB 4.8</b>	<ol style="list-style-type: none"> <li>1. Domestic Bidder shall submit PAN and VAT Certificates and Tax Clearance Certificate or proof of submission of income tax return for FY2075-76</li> <li>2. The foreign Bidder responsible for supply and delivery of goods shall submit <b>Certificate of Incorporation/Certificate of Registration</b></li> <li>3. The foreign Bidder responsible for Services to be rendered inside Nepal shall declare to submit PAN and VAT Certificates at the time of contract before opening of L/C</li> <li>4. Resident foreign bidder shall submit: PAN/VAT Certificate and Tax Clearance Certificate at the time of bid submission.</li> </ol>
<b>ITB 5.1</b>	Bidders from the following countries are not eligible: <b>Not Applicable (NA)</b>
<b>ITB 7.1</b>	<p>This bidding document has 8 Sections:</p> <p><b>Section I. Instructions to Bidders (ITB)</b></p> <p>This Section provides relevant information to help the Bidders to prepare their bids. Information is also provided on the submission, opening, and evaluation of Bids and on the award of Contract.</p> <p>The Instructions to Bidders is not a Contract document and, therefore, is not a part of the Contract.</p> <p><b>Section II. Bid Data Sheet (BDS)</b></p> <p>The Bid Data Sheet (BDS) contains information and provisions that are specific to each bidding process.</p> <p>To facilitate the preparation of the BDS, its clauses are numbered with the same numbers as the corresponding ITB clauses. This Guide provides information to the Purchaser on how to enter all required information, and includes a BDS format that summarizes all information to be provided.</p> <p><b>Section III. Evaluation and Qualification Criteria (EQC)</b></p> <p>The purpose of the Evaluation and Qualification Criteria (EQC) is to specify the criteria that the Purchaser will use to evaluate the bids and post-qualify the lowest-evaluated Bidder.</p> <p>The EQC is not a part of the Contract document.</p> <p><b>Section IV. Bidding Forms</b></p>

	<p>This Section provides the standard format for the Bid Submission Form, Bidder Information Form, User (Client) Certificate, Bid Security (Bank Guarantee), and Price Schedule, Summary of the Supplied Goods/Services to Nepal Television (NTV), Supply Record, and the Manufacturer's Authorization Letter etc. to be submitted by the Bidder.</p> <p><b>Section V. Schedule of Requirements</b></p> <p>This Section provides the information on the List of Goods and Related Services, Delivery and Completion Schedules, Technical Specifications and Drawings. The Schedule of Supply shall provide sufficient information to enable Bidders to efficiently and accurately prepare bids that are realistic and competitive. The Schedule of Supply is a part of the Contract document.</p> <p><b>Section VI. General Conditions of Contract (GCC)</b></p> <p>This Section provides the General Conditions of Contract that will apply to the Contract for which the Bidding Document is issued. The GCC clearly identifies the provisions that may normally need to be specified for a particular bidding process and requires that such information be introduced through the SCC.</p> <p>The GCC is a Contract document and, therefore, is a part of the Contract.</p> <p><b>Section VII. Special Conditions of Contract (SCC)</b></p> <p>This Section provides Clauses specific to the particular Contract that modify or supplement Section VI: General Conditions of Contract.</p> <p>The Special Conditions of Contract (SCC) contains provisions that the GCC requires to be specified for a particular bidding process. To facilitate the preparation of the SCC, its clauses are numbered with same numbers as the corresponding GCC clauses.</p> <p>The SCC is a part of the Contract Document.</p> <p><b>Section VIII. Contract Forms</b></p> <p>This Section contains the Sample letter for the intent of contract award, Letter of Acceptance, Contract Agreement Form, the forms for Performance Security and Advance Payment Security etc.</p>
<b>B. Bidding Document</b>	
<b>ITB 8.1</b>	For clarification purposes only, the Purchaser's address is: Attention: Nepal Television Corporation (NTV)

	<p>Name of the Purchaser: Nepal Television Corporation (NTV)  Address: Central Office, Singhadurbar, Kathmandu  Country: Nepal  Telephone: +977 1 4200348  Facsimile Number: +977 1 4200212  Electronic Mail Address: neptv@wlink.com.np</p>
<b>ITB 8.1</b>	<p>The purchaser will respond in writing to any request for clarification provided that such request is received no later than 15 days prior to the deadline date for submission of bid. Purchaser, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, may issue clarification and corrections seven (7) days prior to the deadline for the submission of bids.</p> <p>Non submission of queries within the time stipulated as above shall be considered as acceptance by Bidder for all the Tender Document's terms and conditions as interpreted by Nepal Television (NTV).</p>
<b>ITB 8.2</b>	<p>A Pre-Bid meeting shall take place at the following date, time and place:  Place: Nepal Television, Central Office, Singhadurbar, Kathmandu, Nepal  Date: 08<sup>th</sup> November, 2020  Time: 12:00 Noon.</p>
<b>C. Preparation of Bids</b>	
<b>ITB 11.1</b>	<p>The language of the Bid is: English</p>
<b>ITB 12.1 (h)</b>	<p>The Bidder shall submit the following additional documents with its Bid:</p> <ul style="list-style-type: none"> <li>(i) Self declaration letter of authenticity of submitted documents</li> <li>(ii) Tender Document purchased from Nepal Television Corporation with Seal and Sign on each and every page with Compliance Statement on each and every clause of technical specification.</li> </ul>
<b>ITB 14.1</b>	<p><b>Alternative Bids</b> shall not be Permitted.</p> <p><b>Restriction in reuse plan</b></p> <p>Bidder shall quote price as per the requirement mentioned in the Section V. The evaluation of the bid shall be done based on the fulfillment of the requirements of Section V of bidding document. If any of the bidders is found to be presenting the reuse plan of the existing system/unit/software of the existing system of Nepal Television Corporation as a main offer, <b>the bid of such Bidder shall be rejected.</b></p>
<b>ITB</b>	<p>The Bidder shall quote any unconditional discounts and the methodology for their</p>

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<b>15.4</b>	<p>application in the Bid Submission Sheet. <i>The discounts mentioned somewhere else (other than Bid Submission Sheet) shall not be considered.</i> If the Methodology of Application of the Discounts is not mentioned in the Bid Submission form, the offered discount shall be proportionately absorbed in the unit price of all the goods, services and inland delivery at the time of contract.</p> <p>The offered discounts shall remain valid and applicable in all subsequent purchases on later dates. The offered discount shall also be used for the evaluation and loading/adjustment purpose.</p>
<b>ITB 15.5</b>	The Incoterms edition is: 2012 or higher
<b>ITB 15.6</b>	<p><b><u>The Bidders from Nepal</u></b> The Bidders from Nepal shall quote for goods in USD. The prices shall be exclusive of taxes/duties such as VAT, Customs Duties, and Security Tax etc. applicable in Nepal. Such Bidder shall submit up to date firm/ Company Registration Certificate and Tax Clearance Certificate from Government of Nepal.</p> <p><b><u>The Bidder from outside Nepal</u></b> The bidder from outside Nepal shall quote for goods in USD. The prices shall be exclusive of taxes/duties such as VAT, Customs Duties, and Security Tax etc. applicable in Nepal.</p> <p>The Bidder from outside Nepal, if wishes to supply goods and services with Nepal as country of origin shall quote in USD. This price shall be inclusive of taxes/duties such as VAT, Local Development Tax, Customs Duties, and Security Tax etc. applicable in Nepal. Such Bidder shall submit Tax Invoice with VAT number.</p> <p><b><u>Service to be rendered inside Nepal</u></b> All the prices of services to be rendered in Nepal, including inland transportation cost shall be inclusive of taxes/ duties such as VAT, Local Development Tax, Customs Duties, and Security Tax etc. applicable in Nepal</p> <p>If the Bidder is other than Nepali Bidder, the Bidder shall submit VAT Registration Certificate issued by Nepal Government after the signing of the Contract or The bidder may authorize any other service provider (Manufacturer/ Subsidiary/ Local Partner/ Local Agent) to provide the service in Nepal. However, such other service provider (Manufacturer/ Subsidiary/ Local Partner/ Local agent) shall submit VAT Registration Certificate from Nepal Government.</p> <p><b><u>Service to be rendered outside Nepal</u></b> The Bidder from outside Nepal shall quote in USD for services to be rendered outside</p>

	<p>Nepal. In such a case, price shall be <u>exclusive of VAT</u>.</p> <p>The Bidder shall be responsible to pay withholding tax (<b>TDS – Tax Deduction at Source</b>) as per the Income Tax Law of Nepal applicable at the time of the payment.</p>
<b>ITB 15.6 (b) i</b>	<p>For Goods offered from outside the Purchaser’s country, the Bidder shall quote prices using the following Inco term:</p> <p>CIF Customs entry point for all goods is Tribhuvan International Airport (TIA), Kathmandu.</p>
<b>ITB 15.6 (b) ii and (c) (v)</b>	<p>Final Destination (Project Site): Singhdurbar, Kathmandu, etc.</p>
<b>ITB 15.7 a</b>	<p>The prices quoted by the Bidder shall be fixed and will not be subjected to any variation</p>
<b>ITB 15.7 b</b>	<p><b>Not Applicable</b></p>
<b>ITB 16.1</b>	<p>Bidder shall quote price in US Dollar USD only</p>
<b>ITB18.1</b>	<p>2. In the offer, the Bidder shall include clause by clause statement and sufficient documentation such that Nepal Television Corporation can validate the compliance statements. In the statement of compliance, the bidder shall state:-</p> <p><i>(a) Fully Compliant (FC):</i> If the offer of Bidder fully meets the Bidding document requirement;</p> <p><i>(b) Partially Compliant (PC):</i> If the offer of Bidder meets the requirement partially, the bidder shall state the reason why the offer is partially compliant. However, if the bidder is able to fulfill the specified requirement later, the time schedule for this shall be stated. In such cases, the bidder shall clearly mention the extent to which other requirements or specifications are affected;</p> <p><i>(c) Non-Compliant (NC):</i> If the offer of Bidder cannot meet the requirements, the bidder shall also state reasons for it;</p> <p><i>(d) Compliance statements such as ‘Agreed’, ‘Noted’, ‘OK’, Tick mark, Do (”) and ‘Understood’ etc. shall not be acceptable and shall be considered “Non-Compliant”</i></p> <p>Bidders shall mention, along with the compliance statement, the relevant <i>Clause No., Page No., Chapter/ Section/ Volume</i> of the offered bid document and/ or the</p>

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	<p>brochure and catalogue, wherever applicable, for the purpose of verification of their technical compliance statement.</p> <p>2.1 In case of <b>absence</b> or <b>unclear statements</b> of compliance for any specified requirement, Nepal Television (NTV) will interpret that particular requirement as being "<b>Non-Compliant</b>".</p> <p>2.2 If the bidder has stated '<b>Fully compliant</b>' against technical clauses with comments resulting in material deviation, such statements shall be considered as "<b>Non-Compliant</b>".</p> <p>2.3 If the bidder has stated partially or non-compliant to some of the clauses, the successful bidder shall provision for all such requirements and make the bid fully compliant to all Nepal Television Corporation requirements at the time of Signing of Contract.</p>
<p><b>ITB 18.3</b></p>	<p>Period of time the Goods are expected to be functioning (for the purpose of spare parts): <b>5 (Five) years from the date of commercialization.</b></p> <p><b>Price Validity:</b> The bidder shall supply spare list of major spare parts with price detail for Five (5) years from the date of completion of <b>Warranty Period</b> as mentioned in the GCC and SCC and applicable in all subsequent purchases on later dates within or after the warranty period.</p>
<p><b>ITB 19.2</b></p>	<p>Manufacturer's Authorization: Required</p> <p>If the bidder is not original equipment manufacturer and supplying the below listed equipment and accessories from the third party manufacturers,</p> <p>A Manufacturer's Exclusive Authorization Letter is required for the following equipment</p> <ul style="list-style-type: none"> <li>i) Station Automation software</li> <li>ii) Media Asset management software</li> <li>iii) Digital Archiving System HSM software &amp; Tape library Hardware</li> <li>iv) Multi-viewer</li> <li>v) Signal processors.</li> </ul> <p>Non- Submission of required <b>Exclusive</b> Manufacturer's Authorization Letter along with Bid shall result in the rejection of the Bid.</p>
<p><b>ITB 19.3</b></p>	<p>After Sales Service is required: Refer to Warranty, Extended Warranty and AMS as mentioned in Technical Specification</p>

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	If required, the Bidder shall include with its bid, evidence that it will be represented by an Agent in the country.								
<b>ITB 20.1</b>	The bid validity period shall be 120 days from the date of opening of Bids.  If due to certain reasons, Bid Submission Date is extended, then the validity of the Bid shall be extended accordingly without which bid shall be rejected.								
<b>ITB 20.2</b>	The bidder shall extend the bid validity period and Bid security period as per Nepal Television's request if notification of Intention of Award and Notification of Award has already been issued during the period of bid validity as per ITB 42. A Bidder shall not be required nor permitted to modify its bid.								
<b>ITB 21.1</b>	A Bid Security is required; The amount and the currency of the Bid Security shall be : US\$._____ (In Words: United States Dollar: _____ Only)								
<b>ITB 21.2</b>	<p>The bidder intending to submit the Bid Security in the form of cash, shall deposit the cash in the account of the Purchaser as specified in Clause No. 8 of this section and submit the receipt of the deposited amount of cash along with the bid.</p> <p>The account details of the Purchaser for depositing the Cash for Bid Security is as follows:</p> <table border="1"> <thead> <tr> <th>Description</th> <th>USD Currency</th> </tr> </thead> <tbody> <tr> <td>Name of the Bank</td> <td>Nabil Bank, Nepal</td> </tr> <tr> <td>A/C No.</td> <td>0103212288201</td> </tr> <tr> <td>Swift Code</td> <td>NARBNPKA</td> </tr> </tbody> </table> <p>Bidders are requested to deposit sufficient amount including respective bank charges so that the net amount as mentioned above and shall be deposited in account of purchaser.</p> <p>or</p> <p>If the Bidder wishes to submit the Bid Security in the form of unconditional bank guarantee, the bidder should submit the original copy of the guarantee along with the bid. The format of Bid Security shall be as specified in Section IV: Bidding Forms.</p> <p>Bid Security issued by foreign bank must be counter-guaranteed by a "A" class commercial bank in Nepal.</p> <p>The Nepali Company, wishing to furnish the Bid Security on behalf of the Principal Company (Manufacturer/Bidder) shall state in the Bid Security, the Bidder's name as "M/S____ (Name of Nepali Company) submitting Bid Security on behalf of Bidder M/S____ (Name of Principal Manufacturer / Bidder)". The name and address of</p>	Description	USD Currency	Name of the Bank	Nabil Bank, Nepal	A/C No.	0103212288201	Swift Code	NARBNPKA
Description	USD Currency								
Name of the Bank	Nabil Bank, Nepal								
A/C No.	0103212288201								
Swift Code	NARBNPKA								

	Principal Company must be mentioned in the Bid Security. However, if the bidder happens to be a successful bidder, the Performance Security shall be furnished by Principal Company in currency of Contract US\$. The Bid Security shall be forfeited in case of occurrence of any one of the conditions mentioned in the Bid Security Form of Section III "Bidding Forms".
<b>ITB 21.6</b>	<p>The Bid Security shall be forfeited:</p> <p>(a) If a Bidder requests for withdrawal or modification of its bid as against the ITB clause 26.3 during the period of bid validity specified by the Bidder on the Bid submission form except as provided in ITB 20.2; or</p> <p>(b) if the Bidder does not accept the corrected bid price as per arithmetical error correction performed during financial evaluation; or</p> <p>(c) if the Bidder's response to the clarification sought by Nepal Television Corporation constitutes change in price and substance of the Bid; or</p> <p>(d) if the Bidder carries out or cause to carry out the acts mentioned in Clause No. ITB 3 with an intention to influence the implementation of the procurement process or the procurement agreement; or</p> <p>(e) if the Bidder fails to sign the Contract in accordance with ITB 44; or</p> <p>(f) if the Bidder fails to furnish a Performance Security in accordance with ITB 43.</p> <p>(g) If the Bidder fails to extend the Bid Validity Period and Bid Security Period as requested by Nepal Television (NTV) after issuance of notification of Intention of Award and Notification of Award as per ITB 42.</p>
<b>ITB 22.1</b>	In addition to the original of the Bid, the number of copies required : 1 (One)
<b>D. Submission and Opening of Bids</b>	
<b>ITB 23.1</b>	Bidders shall submit their bid electronically.
<b>ITB 23.1</b>	<p>For <i>e-submission</i>, Bid documents will be available in PPMO's E-Procurement portal (PDF Format). The bidders may submit their bid through <i>e-submission</i> which is available in PPMO procurement portal <a href="http://www.ppmo.gov.np">http://www.ppmo.gov.np</a></p> <p>For e-submission, bidder has to register in PPMO's E-Procurement Portal for Nepal Television. The registered bidder has to procure the bid document and prepare the entire bid proposal in traditional way with sign and seal. The bidder has to scan all the documents that have to be included in envelope "Document for Bid Opening"</p>

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	<p>intopdf format. These softcopy (document) has to be uploaded in their respective place.</p> <p>The bidder has to submit copy of e-submission bid to the address mentioned above in Clause ITB 8.1, within seven (7) Days from the Date of Bid Opening in manner as mentioned in ITB 22.1</p> <p>The bidder who submits bids through e-submission shall upload copy of the Original Bid Security; otherwise the bid shall be rejected. The Original Bid Security shall be submitted along with documents as mentioned in ITB 22.1.</p>
<b>ITB 23.2</b>	<b>Not Applicable</b>
<b>ITB 23.3 (c)</b>	<p>For the copy submitted to Nepal Television. The inner and outer envelopes shall bear the following additional identification marks:</p> <p>IFB title: <b>Digital File Based Workflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Payout, NRCS, MAM, NLE, Digital Archiving System and Accessories.</b></p> <p>IFB Number: <b>NTV-077/78-07</b></p>
<b>ITB 24.1</b>	<p>The address and deadline for bid submission is:</p> <p>PPMO's E-Procurement Portal for Nepal Television.</p> <p><b>Date: 03<sup>rd</sup> December, 2020</b></p> <p><b>Time: 12:00 Noon.</b></p>
<b>ITB 27.1</b>	<p>The bid opening shall take place at:</p> <p>Place: Nepal Television Corporation, Singhadurbar, Kathmandu, Nepal</p> <p><b>Date: 03<sup>rd</sup> December, 2020</b></p> <p><b>Time: 02:00 PM</b></p>
<b>ITB 27.1</b>	<p>The opening procedures shall be:</p> <p>Electronically submitted Bid shall be downloaded and readout.</p>
<b>E. Evaluation, and Comparison of Bids</b>	
<b>ITB 35.1</b>	<b>Domestic preference shall not be a bid evaluation factor.</b>
<b>ITB 36.3 (a)</b>	Bids will be evaluated for each item and the Contract will comprise the item(s) awarded to the successful Bidder.
<b>ITB 36.3 (d)</b>	<p>The adjustments shall be determined using the following criteria, from amongst those set out in Section III, Evaluation and Qualification Criteria:</p> <p>(a) Deviation in Delivery schedule: <b>No</b></p> <p>(b) Deviation in payment schedule: <b>No</b></p>

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	<p>(c) Unit price inter head absorption for Services (Extended Warranty, Installation, Testing &amp; Commissioning and Annual Maintenance Service) as per Clause No. 8 of Section III "Evaluation and Qualification Criteria": <b>Yes</b></p> <p>(d) Loading amount for Omission, Short Supplied and Minor Deviation as per Clause No. 4.2.2 of Section III "Evaluation and Qualification Criteria": <b>Yes</b></p>
ITB 36.6	Bidders shall not be allowed to quote separate prices for one or more lots.
<b>F. Award of Contract</b>	
ITB 41.1	<p>The maximum percentage by which quantities may be increased is: 15%</p> <p>The maximum percentage by which quantities may be decreased is: 15%</p>
ITB 45.3	No application can be submitted before the Review Committee for review against the decision made by the Nepal Television for the bid amount up to the equivalent value of Nepalese Rupees 20,000,000 (twenty million)

# **PART 1 – Bidding Procedures**

## **Section III.**

### **Evaluation and Qualification Criteria (EQC)**

## **Table of Contents**

### **1. Evaluation Methodology and Criteria**

### **2. Qualification Criteria**

## **1. Evaluation Methodology and Criteria**

### **1 Examination of Bids**

- 1.1 Examination of Bids shall be performed based on the requirement of Section I "Instruction to Bidders (ITB)" and Section II "Bid Data Sheet (BDS)". Examination of the Bids shall be done in order to verify whether the Bid Submission Form is duly filled or not, whether the bid is accompanied by valid bid securities, whether the documents have been properly signed, whether the bids are generally in order, whether the Manufacturer's Exclusive Authorization Letter is submitted or not and whether the Power of Attorney is submitted or not. Absence of any one of above mentioned document and any deviations in Bid Submission Form and Bid Security shall result in the rejection of bid.
- 1.2 Purchaser may waive any minor informality, nonconformity, or irregularity in a bid, which does not constitute a major material and quality deviation and without which the purpose of bidding will be fulfilled, provided such waiver does not prejudice or affect the relative ranking of any bidder. Deviations, objections and reservations to the provisions of the General Conditions of Contract, Special Condition of Contract and Technical Specification Clauses marked with "\*" shall be considered as major deviations and the bid with such major deviations shall be rejected.
- 1.3 Nepal Television (NTV)'s determination of a bid's responsiveness will be based on the contents of the bid itself without recourse to any extrinsic evidence.
- 1.4 If a bid has one or more major deviations, found during examination of Bid, the bid is considered as Non Responsive Bid and it will be rejected by the Purchaser and will not substantially be made responsive by the bidder by correction of the nonconformity.

### **2 Detailed Technical Evaluation**

- 2.1 Detailed Technical evaluation shall be carried out for those bids, which are found to be responsive after examination of bids as per above clause 1 of "1. Evaluation Methodology and Criteria". Detailed Technical evaluation shall be based on clause by clause compliance statements or comments on Technical Specifications of Section V, technical details, catalogues, brochures etc. furnished by each bidder. During the detailed technical evaluation, all the bids are examined in order to verify whether the offered quantity and capacity meet the requirements of Section IV "Schedule of Prices" and Section V: "Schedule of Supply" of bidding document and if required adjustment of goods shall be done. The cost of adjustment shall be determined during the Financial Evaluation.
- 2.2 If a bid has one or more major deviations in clauses marked with \*, the bid is considered as Non-Responsive Bid and it will be rejected by the Purchaser and will not substantially be made responsive by the bidder by correction of the nonconformity.
- 2.3 Further, if there are several minor deviations to the bid, and if such items constitute major material deviation or affect the required purpose of module/sub module/technical requirements, such bid shall be considered as Non-Responsive Bid and rejected by Nepal Television Corporation and will not substantially be made responsive by the bidder by correction of the nonconformity.

### **3 Detailed Commercial Evaluation**

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- 3.1 Detailed Commercial Evaluation shall be carried out for those bids, which are found to be responsive after Detailed Technical Evaluation as per above clause 2 of "Evaluation Methodology and Criteria". The Detail Commercial Evaluation shall be carried out in accordance with Section VI: GCC and Section VII: SCC.
- 3.2 If a bid has one or more major deviations, reservations and objections in the requirement of GCC and SCC, the bid is considered as Non Responsive Bid and it will be rejected by the purchaser and will not substantially be made responsive by the bidder by correction of the nonconformity.

#### **4 Detailed Financial Evaluation**

- 4.1 Once the bids are considered substantially responsive after Detailed Technical and Commercial Evaluation, all those responsive bids shall be judged from Financial Evaluation perspective only and no weight-age shall be given to other technical details or parameters or additional features and facilities of the offered products.
- 4.2 Pursuant to Clause No. ITB 32 and ITB 33, for the Financial Evaluation, the following factors shall be taken into consideration for evaluation purpose:

##### **4.2.1 Arithmetical Error Corrections**

**Arithmetical errors** will be rectified on the following basis:

##### **4.2.1.1 Discrepancies between the Unit Price and the Total Price**

If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price 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 total price as quoted shall govern and the unit price shall be corrected

##### **4.2.1.2 Error in Calculation Total Price**

If there is an error in total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected.

4.2.1.3 If there is a discrepancy between words and figures, the amount in words shall prevail.

4.2.1.4 While performing error corrections as mentioned above in Clause No. 4.2.1, the Quoted Bid Price may change. Therefore, the Total Bid Price obtained after the Arithmetical Error Correction shall be considered as a Corrected Bid price. The purchaser shall inform the Bidder about the Arithmetical Error Corrections. In pursuant to Clause No. 33.1, if the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be rejected.

##### **4.2.2 Offered Quantity**

If the offered quantity/items are not sufficient to meet the Purchaser's requirement and if some of the quantity/items are omitted, but they don't constitute material deviation as per above clause 2 "Detailed Technical Evaluation", such quantity/items will be added for the

evaluation purpose only and to bring all the bidders in equal footing as per the following sub clauses to fulfill the requirement.

#### **4.2.2.1 Under-Dimensioned (Short) Items**

If the offered quantity is not sufficient to meet the Purchaser's requirement, required quantity will be loaded to fulfill the requirement and price will be adjusted accordingly taking into consideration the offered unit price of the same bidder.

#### **4.2.2.2 Missing (Omission) Items**

If some required items of **Price Schedule** are missing in the offer, then the **average price of all responsive bidders for such missing item(s)** will be considered for evaluation purpose and loaded to bring all bidders in equal footing.

**4.2.2.3 However, in all the cases of missing/short items mentioned above in Clause No. 4.2.2.1 and 4.2.2.2, all the prices loaded are only for evaluation purpose and if the bidder happens to be a successful bidder, the Bidder shall provide all the missing/short items mentioned above free of cost to the Purchaser.**

#### **4.2.2.4 Absence of Unit Price and Total Price of the Particular Item**

If the unit price and the total price of the some item are not quoted, their prices shall be assumed to be included in the prices of other items.

**4.2.2.5 If major items, without which the purpose of bidding will not be fulfilled, are missing, the bid shall be considered non-responsive and shall be rejected.**

4.2.3 Deviations that do not materially alter or depart from the characteristics, terms, conditions and other requirements set forth in the Bidding Document or if it contains errors or oversights that are capable of being corrected without affecting the substance of the Bid are considered as minor deviation. The cost of such minor deviation shall be calculated to the extent possible and shall be included while evaluating bid.

#### **4.2.4 Unit Price**

##### **4.2.4.1 Discrepancy in Unit Price in Lots and Phases**

Unit Prices of the offered goods, services and inland transportation in all lots/Phases shall be same. In case of discrepancies in the Unit prices, the quoted unit price in respective lots shall be used for evaluation. However, lowest Unit Price among all shall be considered for all lots for the calculation and preparation of final Contract Price if the bidder happens to be the Successful Bidder.

##### **4.2.4.2 Unit Price of Missing Items**

In case of missing (omission) items (Clause No. 4.2.2.2), unit price of such items shall be finalized at the time of signing of Contract without exceeding the average price of the same item of the responsive bidders.

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4.2.5 If the loading amount after performing the loading as per Clauses 4.2.2 (4.2.2.1 and 4.2.2.2) and 4.2.3 of this Section exceed 15% of the Corrected Bid Price, the bid shall be considered as non-responsive and not considered for evaluation.

**5 Inland Transportation: Bidder shall quote the Price as per Price Schedule**

**6 Adjustment for Deviations in the Delivery and Completion Schedule**

Deviation in Delivery and Completion Schedule: **Not Permitted**

**7 Adjustment for Deviations from the Payment Terms**

Deviation in payment schedule: **Not Permitted**

## 2. Qualification Criteria

### 1. Bidder/Manufacturer’s Qualification and Equipment Field Proven-ness

#### 1.1. Bidder for this Bid

The bidder for this bid shall be manufacturer of the offered **Ingest,Storage ,play-out ,NRCS,MAM,NLE,Digital ArchivingSystem and Accessories**(NTV-076/77-06)or the authorized Agent or system integrator. The bidder shall submit authentic evidence of being a manufacturer or authorized agent of the offered Supply and Delivery of Studio Equipment and Accessories in the form of Registration certificates from the concerned authority in the manufacturer’s country or user/client certificate.

The Company Profile and Certificate of Registration/Incorporation of Bidder and manufacturers of **Ingest,Storage, play-out ,NRCS,MAM,NLE,Digital ArchivingSystem and Accessoriess**shall be submitted along with bid proposal.

#### 1.2. Bidder/Manufacturer’s Qualification and Equipment Field Proven-ness

##### 1.2.1. Bidder's Experience

##### 1.2.1.1. Manufacturer of Ingest,Storage ,play-out ,NRCS,MAM,NLE,Digital ArchivingSystem and Accessories.

The Bidder ( for **Digital File Based Workflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Play out, NRCS, MAM, NLE, Digital Archiving System and Accessories.**) shall have manufacturing or supplying experience for at least Ten (10) years on the Tender till Notice published date. The bidder shall submit authentic documentary evidence or necessary user certificates in order to fulfill the requirement of this clause.

##### 1.2.1.1.1. Field Proven-ness of Digital File Based Workflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Play out, NRCS, MAM, NLE, Digital Archiving System and Accessories.

##### 1.2.1.1.2. Supply Record

The Manufacturer of offered broadcast equipment shall have supplied, installed and commissioned Ingest,Storage ,Playout ,NRCS,MAM,NLE,Digital ArchivingSystem and AccessoriesSystemto at least10(ten) TelevisionOperators/broadcasterfrom at least 3 (three) different countries besides own country. In order to prove the fulfillment of this requirement, the Bidder shall submit supply records in the format as specified in Annex – II. The bidder should have been successfully supplied Ingest,Storage ,playout ,NRCS,MAM,NLE,Digital ArchivingSystemof amount 0.40 million USD for last three years.

##### 1.2.1.1.3. Equipment Field Proven-ness

The Bidder shall have installed and commissioned**Ingest, Storage ,playout ,NRCS, MAM, NLE,Digital ArchivingSystem and Accessoriesto** at least 10 (ten)

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Television Operators/broadcaster in at least 3 (three) different countries besides their own country. The bidder shall submit their supply records and user satisfactory performance certificate of offered equipment.

1.2.1.1.4. **Satisfactory Operation**

**Ingest, Storage, playout ,NRCS, MAM, NLE, Digital Archiving System and Accessories** manufactured by the bidder must have been in satisfactory operation for a minimum period of at least three (3) consecutive years on the Tender Notice Publish Date in at least one operator. In order to prove the fulfillment of this requirement, the Bidder shall submit along with the bid the necessary user certificate(s) from the Satellite TV Broadcasting Operators. The user certificate shall include all the information as mentioned in the **Annex – III**.

1.2.2. **Turnover**

The bidder shall have minimum cumulative sales annual turnover of and above USD 1.5 million for three years which shall be supported by Audited Financial Statements.

1.2.3. **Quality Assurance certificate**

**Hardware**

The manufacturer of offered **Ingest, Storage ,play-out ,NRCS, MAM, NLE, Digital Archiving System and Accessories** equipment shall be ISO (Series) certified. The valid Quality Assurance ISO Series Certificate for manufacturing of offered goods shall be submitted along with the Bid Proposal as applicable.

**Software**

The bidder shall submit valid Quality Assurance Certificate of the required software issued by recognized certification agency and license of the software as available.

1.2.4. **Field proven Hardware platform**

The bidder shall provide proof of use of offered brand of hardware & software platform in implementation of **Ingest, Storage ,playout ,NRCS, MAM, NLE, Digital Archiving System and Accessories** develop/produce by bidder in at least three (3) countries. Such implementations shall be in operation until the tender notice publish date. In order to fulfillment of this requirement, Bidder shall submit authentic evidence or user certificate from the concerned administration.

1.2.5. **Satisfactory Performance Certificate issued by Nepal Television**

The Bidder/Manufacturer who has already supplied **Ingest, Storage ,playout ,NRCS, MAM, NLE, Digital Archiving System and Accessories** under any contract to Nepal Television Corporation within last five (5) years from the date of Bid invitation and are in operation for more than one (1) year, must furnish the Satisfactory Performance Certificate (SPC) for this Bid issued by Nepal Television Corporation along with the Bid proposal.

- 1.3. If the Bidder submits bid on behalf of a merged company, authentic document regarding the merging shall be submitted along with the bid document. The merged company shall meet the requirement of Clause No. 1.1 (where applicable) of "Qualification Criteria". However, the qualification and field proven-ness of separate companies in such cases

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will be combined for the purpose of verifying the Bidder's experience criteria as mentioned in Clause No. 1.2 (for the related goods and services only) of "Qualification Criteria". Bid submitted on behalf of amalgamated/acquired companies having independent legal status will be treated separately and shall meet all the requirements mentioned in Clause No. 1.1, 1.2 (for the related goods only) of "Qualification Criteria" individually.

- 1.4. In case Bidder is a global company (Parent/Holding/Branch/Subsidiary Company), the bidder shall individually meet all the requirements as mentioned above in the clause 1.1 of "Qualification Criteria".

However, if global bidder wishes, the qualification and equipment field proven-ness of the Bidder (branch/subsidiary company) and qualification and equipment field proven-ness of Bidder's Parent/Holding companies and their equipment will also be combined for the purpose of verifying the criteria as mentioned in Clause No. 1.2 (for the related goods and services only) of "Qualification Criteria". In this case, a letter from the Head Quarter (Parent/Holding Company) with the following information shall be submitted along with the bid:

- a) Authorization to the branch/subsidiary whose product is being offered to submit and sign the bid
- b) Company Structure showing the relationship between Parent/Holding/Branch/Subsidiary Companies

1.5. **Manufacturer's Authorization**

If the bidder is supplying the below listed equipment and accessories from the third party manufacturers, the bidder shall provide Manufacturer's Exclusive Authorization Letter from the manufacturers for at least following equipment and accessories:

- i) Station Automation software
- ii) Media Asset management software
- iii) Digital Archiving System HSM software & Tape library Hardware
- iv) Multi-viewer
- v) Signal processors.

Manufacturer's Exclusive Authorization Letter shall be in the format as specified in Section IV.

If the bidder itself claims to be the manufacturer of the offered goods, such bidder shall provide the proof of being the manufacturer and need not provide the authorization for the offered goods it manufactures.

If the bidder is not the manufacturer of the offered goods, non-submission of Manufacturer's Exclusive Authorization Letter(s) from the manufacturer(s) shall result in rejection of the bid.

**1.6. Conflict of Interest**

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

- (a) Have controlling shareholders in common;
- (b) Receive or have received any direct or indirect subsidy from any of them;
- (c) Have the same legal representative for purposes of this Bid;
- (d) have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder, or influence the decisions of the Purchaser regarding this bidding process;
- (e) A bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the goods and services that are the subject of the bid.

**2. Any bid not submitted as per the above clause No. 1of "Qualification Criteria" shall be rejected.**

**3. All the user/client certificates and other documents to be submitted under above Clauses shall be sealed and signed by person authorized to sign the Bid Proposal.**

**4. Nepal Television (NTV) may verify the authenticity and the contents of the submitted documents at any time during evaluation as per the provision made in clause No. 7 of "Qualification Criteria".**

**5. Nepal Television's Right to verify the Authenticity of the submitted documents**

Bidder shall submit original certificates with the letter-head of the issuing authority duly signed with date by the Authorized Person, stamped with Official Seal and with name, designation of the signatory in the letter regarding Bidder's/Manufacturer's Experience and Field Proven-ness as mentioned as and where in this Bid document.

If Bidders submits the copy document, the copy document shall be attested by Notary Public/ concerned Embassy in Nepal. Attestation shall be in English Language. All the documents written in the language other than English language shall be followed by English translations. Translation shall be done by authorized institution/Agency/ Concerned Embassy in Nepal.

Nepal Television Corporation (NTV) reserves the right to verify the authenticity of the certificates and satisfactory operation of the equipment supplied by the bidder in other administrations. The bidder shall provide the name with his/her designation, company, email, telephone number and fax number of the Contact Persons of operators and/or the concerned authority, issuing the certificates in order for Nepal Television (NTV) to verify the authenticity or seek clarification of the submitted certificates if necessary. The bidder shall bear the responsibility of providing response from the concerned authority if

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verification of submitted certificate is required. If there is no response from the mentioned Contact Person and if the information mentioned in the certificate is found to be not true, the certificate shall be considered invalid.

6. A foreign Bidder shall submit the authentication letter of the local agent for the maintenance, after sale service and to supply the spare parts of the goods before the contract agreement.

End of Section III

## **Section IV**

### **Bidding Forms**

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## 1. Bid Submission Form

*[The Bidder shall fill in this Form in accordance with the instructions indicated No alterations to its format shall be permitted and no substitutions shall be accepted.]*

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

ICB No.: *[insert number of bidding process]*

Invitation for Bid No.: *[074/75-11]*

Alternative No.: *[insert identification No if this is a Bid for an alternative]*

To: *Nepal Television Corporation*

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];*
- (b) 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 *[insert a brief description of the Goods and Related Services];*
- (c) The total price of our Bid, excluding any discounts offered in item (d) below, is: *[insert the total bid price in words and figures, indicating the various amounts and the respective currencies];*
- (d) The discounts offered and the methodology for their application are:

**Discounts** If our bid is accepted, the following discounts shall apply. *[Specify in detail each discount offered and the specific item of the Schedule of Requirements to which it applies.]*

**Methodology of Application of the Discounts.** The discounts shall be applied using the following method: *[Specify in detail the method that shall be used to apply the discounts];*

- (e) Our bid shall be valid for the period of time specified in ITB Sub-Clause 20.1, from the date fixed for the bid submission deadline in accordance with ITB Sub-Clause 24.1, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (f) If our Bid is accepted, we commit to obtain a Performance Security in the amount as per provision mentioned in the GCC Clause No 17 and SCC Clause No. 17 for the due performance of the Contract.

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- (g) We, including any subcontractors or suppliers for any part of the contract, have nationality from eligible countries *[insert the nationality of the Bidder, including that of all parties that comprise the Bidder, if the Bidder is a JV/Consortium, and the nationality each subcontractor and supplier]*
- (h) We have no conflict of interest in accordance with ITB Clause 4.2;
- (i) Our firm, its affiliates or subsidiaries—including any subcontractors or suppliers for any part of the contract—has not been declared ineligible in accordance with ITB Clause 4.3;
- (j) The following commissions, gratuities, or fees have been paid or are to be paid with respect to the bidding process or execution of the Contract: *[insert complete name of each Recipient, its full address, the reason for which each commission or gratuity was paid and the amount and currency of each such commission or gratuity]*

Name of Recipient	Address	Reason	Amount
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

(If none has been paid or is to be paid, indicate “none.”)

- (k) 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.
- (l) We declare that, we have not been black listed as per ITB 3.4 and no conflict of interest in the proposed procurement proceedings and we have not been punished for an offense relating to the concerned profession or business.
- (m) 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]*

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

Dated on \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ *[insert date of signing]*

## 2. Bidder Information Form

*[The Bidder shall fill in this Form in accordance with the instructions indicated below. No alterations to its format shall be permitted and no substitutions shall be accepted.]*

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

ICB No.: *[insert number of bidding process]*

Page \_\_\_\_\_ of \_\_\_\_\_ pages

1. Bidder's Legal Name <i>[insert Bidder's legal name]</i>
2. In case of JV, legal name of each party: <i>[insert legal name of each party in JV]</i>
3. Bidder's actual or intended Country of Registration: <i>[insert actual or intended Country of Registration]</i>
4. Bidder's Year of Registration: <i>[insert Bidder's year of registration]</i>
5. Bidder's Legal Address in Country of Registration: <i>[insert Bidder's legal address in country of registration]</i>
6. Bidder's Authorized Representative Information Name: <i>[insert Authorized Representative's name]</i> Address: <i>[insert Authorized Representative's Address]</i> Telephone/Fax numbers: <i>[insert Authorized Representative's telephone/fax numbers]</i> Email Address: <i>[insert Authorized Representative's email address]</i>

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7. Attached are copies of original documents of: *[check the box(es) of the attached original documents]*
- Articles of Incorporation or Registration of firm named in 1, above, in accordance with ITB Sub-Clauses 4.1 and 4.2.
  - In case of JV, letter of intent to form JV or JV agreement, in accordance with ITB Sub-Clause 4.1.
  - In case of government owned entity from the Purchaser's country, documents establishing legal and financial autonomy and compliance with commercial law, in accordance with ITB Sub-Clause 4.5.

Details of Local Agent (If Applicable)

Company Name:

Address:

Tel/Fax:

Email Address:

Authorized Person:

Name:

Mobile:

E-mail:

**All the correspondences with the Bidder until the signing of the Contract, shall be done through FAX and e-mail mentioned in the Bidder's Information Form**

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**NTV-077/78-06 for "Digital File Based Workflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Play out, NRCS, MAM, NLE, Digital Archiving System and Accessories"**

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### 3. Bid Security (Bank Guarantee)

*[The Bank shall fill in this Bank Guarantee Form in accordance with the instructions indicated.]*

\_\_\_\_\_  
*[Bank's Name, and Address of Issuing Branch or Office]*

**Beneficiary:** \_\_\_\_\_ *[Name and Address of Purchaser]*

**Date:** \_\_\_\_\_

**BID GUARANTEE No.:** \_\_\_\_\_

We have been informed that *[name of the Bidder]* (hereinafter called "the Bidder") has submitted to you its bid dated ... *(Please insert the date bid Submission)* (hereinafter called "the Bid") for the execution of *[name of contract]* under Invitation for Bids No. *[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 *[name of Bank]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *[amount in figures]* *[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 by the Bidder in the Form of Bid; or
- (b) does not accept the corrected bid price as per arithmetical error correction performed during financial evaluation; or
- (c) has responded to the clarification sought by Nepal Television (NTV) with the response that constitutes change in price and substance of the Bid; or
- (d) Has carry out or cause to carry out the acts mentioned in Clause No. ITB 3 with an intention to influence the implementation of the procurement process or the procurement agreement; or
- (e) fails to sign the Contract in accordance with ITB 44; or
- (f) Fails to furnish a Performance Security in accordance with ITB 43.
- (g) If the Bidder fails to extend the bid validity period and Bid Security period as requested by Nepal Television (NTV) after issuance of notification of Intention of Award and Notification of Award as per ITB 42.

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**NTV-077/78-06 for "Digital File Based Workflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Play out, NRCS, MAM, NLE, Digital Archiving System and Accessories"**

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This guarantee will expire: (a) if the Bidder is the successful bidder, upon our receipt of copies of the contract signed by the Bidder and the performance security issued to you upon the instruction of 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 of the name of the successful bidder; or (ii) after the expiry of the validity of this Bid Security. Validity of this Bid Security shall be at least up to ... (Please insert the date as per clause no. 6 IFB)

This Bank Guarantee shall not be withdrawn or released merely upon return of the original Guarantee by the Bidder unless notified by the Employer for the release of the Guarantee.

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

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 758.

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*[signature(s)]*

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**NTV-077/78-06 for “Digital File Based Workflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Play out, NRCS, MAM, NLE, Digital Archiving System and Accessories”**

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#### 4. 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]*

ICB No.: *[insert number of bidding process]*

Alternative No.: *[insert identification No if this is a Bid for an alternative]*

To: *[insert complete name of Purchaser]*

#### 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 **Exclusively 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 General 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]*

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**NTV-077/78-06 for "Digital File Based Workflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Play out, NRCS, MAM, NLE, Digital Archiving System and Accessories"**

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## **5. Price Schedule Forms**

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**NTV-077/78-06 for “Digital File Based Workflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Play out, NRCS, MAM, NLE, Digital Archiving System and Accessories”**

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### Summary of Bid Prices

**IFB No. NTV-074/75-11 for System Integration Testing & Commissioning of Graphics System, Video Wall System and Accessories**

**Name of Bidder:.....**

Goods (Hardware and Software )		
Services to be Rendered Outside Nepal		
Services to be Rendered inside Nepal		
Inland Transportation		
<b>Total Bid Price</b>		
<b>Foreign Currency Portion</b>		
Total Price (Goods + Services)	In Figures:	
	In Words:	

**The total prices mentioned above shall be same as total prices mentioned in the Price Schedules (A), (B) and (C). In case of discrepancies between prices mentioned in the Summary of Bid Price Schedules (A) and (B), the total prices mentioned in Price Schedules (A) and (B) shall prevail.**

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**NTV-077/78-06 for “Digital File Based Workflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Play out, NRCS, MAM, NLE, Digital Archiving System and Accessories”**

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**A. Price Schedule: Goods**

**Name of Bidder:** \_\_\_\_\_

**IFB No: NTV-077/78-06 for Digital File Based Workflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Payout, NRCS, MAM, NLE, Digital Archiving System and Accessories**

**Custom Entry Point: Tribhuvan International Airport (TIA)**

**Final Destination: Nepal Television (Project Sites): Singhadurbar, Katmandú**

**Mode of Shipment: By Air**

Item	Description	Quantity	Make and Model	Country of Origin	Unit Price USD CIF KTM	Total Price USD CIF KTM
1	<b>Video Payout and production system</b>					
1.1	Ingest port with preview (up-gradation to existing system)	4 sets				
1.2	Play-out ports (up-gradation to existing system)	4 sets				
1.3	Existing central storage up-grade by online Storage with 32 TB usable which shall run in existing configuration for ingest and play-out	1 set				
1.4	Existing Storage Expansion with 64TB (16 x 4TB) Raw Storage	1 Set				
1.5	File trans-code Engine and software, Ingest for content file of different formats	2 sets				
1.6	Trans-coder Engine Hardware, Branded Work station with OS	2 sets				
1.7	48 Port L3 10G Gigabit switch	2 Sets				
1.8	SDI Monitors	4 sets				
1.9	24 port L2 Gigabit Switch	1 Set				
1.10	Laptops for system monitoring	1 sets				
1.11	16 port KVM Switch	1 Set				
1.1	4 Ingest port with preview hardware	4 sets				
2	( Spare)					

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1.1 3	4 Play-out ports hardware (Spare)	4 s e t s				
1.1 4	central storage (online Storage) Chassis for ingest and play-out (hardware Spare without HDD)	1 s e t s				
<b>2.</b>	<b>Station Automation and Billing</b>					
2.1	Automation server Main and Backup	1 Set				
2.2	Automation Changeover Switch	1 Set				
2.3	<b>Automation Control:</b>  1) 3 Ch play-out(main & backup mode)- 6 Ports  2) ingest with preview- 8 Ports  3) news play-out - 4 Ports  4) 2 ingest,2 Production A/B Play-out clients & 3 MCR Onair Automation clients  5) Newsroom /MAM MOS integration Licenses  (Ref annex for other control ports/devices from existing Equip)	1 lot				
2.4	Hardware control panel for Ingest and MCR	5 Sets				
2.5	Hardware Control Panel for NEWS	2 Sets				
2.6	Ingest Clients ,branded computer with	2sets				

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	OS					
2.7	Production and Play-out Clients, branded computer with OS	5 sets				
2.8	Billing Traffic Software - Billing Software for 3channels	1 Lot				
2.9	Billing Server, branded server with OS	1 set				
2.10	Billing Clients, branded computer with OS	3 Sets				
<b>3.0</b>	<b>Media Asset Management, MAM and Digital Archiving System</b>					
3.1	Application with Database software with 15 web client license	2 Sets				
3.2	MAM server hardware ,Branded Server with OS (main and backup)	2 Sets				
3.3	MOS Gateway Software	1 Sets				
3.4	File Base quality check and Proxy Generation software	2 Sets				
3.5	Proxy Generation hardware, Branded Server with OS	2 sets				
3.6	File based ingest MAM client Software for XDCAM/P2 Cards ingest	2 Set				
3.7	File based ingest MAM client, branded computers with OS	2 set				
3.8	Digital Archiving: Media licenses	1 set				
3.9	Digital Archive /Restore Client, branded computer with OS	1 set				
3.10	Archive HSM with OS	1 set				
3.11	48 Slot LTO8 Tape Library with 3 Drives for Read and Write	1 set				
3.12	Tape Cartridge LTO , with barcode labels (50 Tapes)	1 Lot				

**NTV-077/78-06 for “Digital File BasedWorkflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Play out, NRCS, MAM, NLE, Digital Archiving System and Accessories”**

3.13	RW Barcode Labels (50 labels)	1 Set				
3.14	LTO Cleaning Tape	1 Set				
<b>4.0</b>	<b>Newsroom Automation System</b>					
4.1	Core NRCS software Full text search engine Script Archiving Messaging system MOS gateway for integration with unlimited no of MOS devices 15 Journalist Clients licenses 2 Portable device licenses (ipad) Wires, Emails, RSS MIS reportingTool Social Media Integration NLE Plug-in Licenses (8 Nos)	1 set				
4.2	Application Server with OS	2 sets				
4.3	Wire input System, Branded Computer with OS	1 set				
4.4	Journalist Clients, Branded computer with OS	15 sets				
<b>5.0</b>	<b>Non Linear Editing Sets</b>					
5.1	Software license for Non Linear Editing Adobe (one years)	12 Sets				
5.2	Non Linear Editing workstation Hardware with OS	12 Sets				
<b>6.0</b>	<b>Digital Media logger</b>					
6.1	Digital Media logger with 2 Channels with hardware and software ( 90 days recording in low resolution)	2 sets				

**NTV-077/78-06 for “Digital File Based Workflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Play out, NRCS, MAM, NLE, Digital Archiving System and Accessories”**

<b>7.0</b>	<b>Digital Glues</b>					
7.1	Analog Video distribution amplifier with 8 outputs	2 Sets				
7.2	Analog Audio distribution amplifier with 8 outputs	1 Set				
7.3	Digital Video Distribution Amplifier with dual 4 channel output	8 Sets				
7.4	Digital Video Distribution Amplifier with 8channel output	4 sets				
7.5	De Embedder SDI to SDI video and analog audio	4 Sets				
7.6	SDI to SDI Embedder with 4 channels of audio embedding	2 Sets				
7.7	Rack Frames	As required				
<b>8.0</b>	<b>Monitoring System</b>					
8.1	16input HD SDI modular multi-viewer	3 sets				
8.2	55" LED Monitors	3 Sets				
8.3	Amplispeakers (pair)	3 sets				
<b>9.0</b>	<b>Installation Materials</b>					
9.1	Video cable ( 200 meters)	8 rolls				
9.2	Matching BNC Crimping 75 Ohms Plugs	600 nos				
9.3	Audio Cable (200 meters)	2 rolls				
9.4	Audio Connectors	100 Pieces				
9.5	CAT 6 Cable roll 500 m	5 rolls				
9.6	CAT 6 network connectors (10G Compliant)	250 nos				
9.7	Video Patch panel (24 x 24)	3 nos				
9.8	Network Patch panel	5 nos				
9.9	Control Cable (200 meters)	3 rolls				
9.10	Standard Racks with accessories	4 sets				
9.11	Tool Box	1 Sets				

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9.12	Branded broadcast furniture with monitor Arms for ingest desk	1 Set				
9.13	Installation materials to setup complete Automation project  BNC crimping tools, BNC Extraction tool , Coaxial cable stripper, Cable Boots, RJ 45 crimping tool , Video patch Cords 5m ,Control cable connectors, Cable Idents, Different size of cable tie, power cables (black and orange) and connectors ,cable sleeves boot, Network Patch cords 5M (25 nos) and 10M (25 nos) ,Network Cable tester,10 port PDU 16 A for Desk (3 nos)  HD-SDI to HDMI micro-converter with power supply (4 nos), HDMI Cables (as required)	1 lot				
<b>10.0</b>	<b>Factory Acceptance</b>					
10.1	Factory Acceptance for Five persons including Higher Management, Procurement & Engineers.	10 Days				
<b>11.0</b>	<b>Factory Training</b>					
11.1	Factory Training for Four Engineers/Technicians	14 Days				
<b>12</b>	<b>Local Training , System Integration and Operations Supervision at Nepal Television by Bidder</b>	1 Month				

**Total Price CIF Kathmandu (In Figure) -----)**

- **Extra installation materials which may be required during installation but not mentioned in SOR must be supplied by supplier without any cost to NTV**

**NTV-077/78-06 for “Digital File Based Workflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Play out, NRCS, MAM, NLE, Digital Archiving System and Accessories”**

Signature of Bidder: \_\_\_\_\_

Full Name:

Designation: \_\_\_\_\_

Official Seal: \_\_\_\_\_ Date: \_\_\_\_\_

**Note:**

1. *The bidder shall provide Bill of Quantity (BOQ) in a separate sheet with detail breakdown for each item and its components. The BOQ must include FOB and CIF unit price of all the items (If Applicable).*
2. *This Price Schedule shall be duly filled, signed along with date and stamped with official seal. Bid with Price Schedule not duly filled and without signature, date and official stamp shall be rejected and not be considered for evaluation.*
3. *The Bidder shall quote price in accordance with the Clause No. 15 of GCC and Clause No. ITB 15 of SCC*
4. *Evaluation shall be done in accordance with Section III, Clause No. 1 "Evaluation Method and Criteria"*

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**NTV-077/78-06 for “Digital File Based Workflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Play out, NRCS, MAM, NLE, Digital Archiving System and Accessories”**

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1. *The payment of the PoC shall made if PoC Visit conducted during the evaluation period. Please refer to provision of "Visit for Proof of Compliance (POC)" mentioned in Section III "Qualification Criteria".*
2. *Evaluation shall be performed in accordance with provision made in Section III "Evaluation Method and Criteria"*

**End of Section IV "Bidding Forms"**

## **List of Abbreviations and Glossary**

## Abbreviations and Acronyms (Technical)

AT .....	Acceptance Test
AC .....	Acceptance Certificate
COC .....	Conditions of Contract
DCC .....	Delivery Completion Certificate
FAC .....	Final Acceptance Certificate
FAT .....	Final Acceptance Test
FC .....	Fully Compliant
GoN .....	Government Of Nepal
IFB .....	Invitation For Bids
INB .....	Important Notice to Bidder
ITB .....	Instructions To Bidders
LOA .....	Letter of Acceptance
LOI .....	Letter of Intent
NTV.....	Nepal Television
NC .....	Not Compliant
PAC .....	Provisional Acceptance Certificate
PAT .....	Provisional Acceptance Test
PC .....	Partially Compliant
PO .....	Purchase Order
PoC .....	Proof of Compliance
PPMO.....	Public Procurement Monitoring Office
SCC .....	Stabilization Completion Certificate
SOP .....	Schedule of Prices
SOR .....	Schedule of Requirement
TDS .....	Tax Deducted at Source
VAT .....	Value Added Tax
WCC .....	Warranty Completion Certificate
WO .....	Work Order

**Glossary of Terms Used in this Document**

**Bidder:** Bidder is a person or an entity who submits the bid document under this tender.

**Blacklisting:** It is enlisting or including the name of a person, firm, or a company in a list seen as unacceptable or untrustworthy. Once the name is included in such a list, the person or the company is looked by suspicion and may not be allowed to participate in a bidding process.

**Bid Price:** The price quoted by the Bidder in Bid Form.

**Bill of Quantities:** The Priced and completed Bill of Quantities forming part of the Bid.

**Contract:** The Contract means the agreement entered into between the Nepal Television and the Supplier, as recorded in the contract agreement form signed by the parties, including all amendments and appendices thereto and all documents incorporated by reference therein;

**Contract Award:** It is the decision of Nepal Television to give responsibility to execute a project through contract agreement signed with a successful bidder. The awardee is responsible to execute the contract as per the agreement made with Nepal Television.

**Corrupt Practice:** It is the offering, giving, receiving, or soliciting, directly or indirectly, anything of value to influence improperly the action of the other party.

**Contract Price:** The total price of all the goods and services included in the contract which will be payable to the supplier on the fulfillment of all obligations under the contract.

**Contract Document:** The documents listed in the Agreement, including amendments thereto. Subject to the order of precedence set forth in the Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary and mutually explanatory

**Corruption:** It is the dishonest activity especially the involvement in bribery. Corruption in case of construction projects is the action of the other party.

**Completion:** The fulfillment of the related services by the Supplier in accordance with the terms and conditions set forth in the contract.

**Corrected Bid Price:** Bid price obtained after the arithmetical error corrections

**Delivery:** The transfer of the Goods from the Supplier to the Purchaser in accordance with the terms and conditions set forth in the contract.

**Day:** The calendar day.

**Evaluated Price:** The total price obtained after the Financial Evaluation.

**Fraudulent Practice:** It is a practice of gaining of a materials advantage dishonestly. It is a practice that is false or impostor. It is any act or omission, including mis-representation that knowingly misleads or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation.

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#### **Abbreviations and Gloceries-4**

**Goods:** All of the goods (Hardware and Software), which the supplier is required to supply and deliver to the Nepal Television under the contract.

**Global Company:** Global Company means company having offices in more than one country.

**Major Clause:** Clauses marked with \* are considered as major clauses.

**Mandatory Clauses:** Clauses with following statement are considered as mandatory Clauses:

*"... Deviation on which shall result in rejection of the Bid"*

*'... Without which the Bid shall be rejected"*

*"... Deviation on which shall lead to rejection of the Bid"*

*"...shall be rejected"*

**Nepal Television (NTV):** The purchaser, Nepal Television Corporation;

**Purchaser:** The organization purchasing the Goods, i.e. Nepal Television

**Supplier:** The Supplier means the individual or firm supplying the goods under this contract;

**Successful Bid:** The Bid that substantially comply with the technical, commercial and financial requirements of the tender and determined to be the lowest evaluated price after financial Evaluation.

**Service:** The services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, warranty, AMC and other such obligations of the Supplier covered under the Contract;

**NTV-077/78-06 for "Digital File Based Workflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Play-out, NRCS, MAM, NLE, Digital Archiving System and Accessories"**

# **SECTION V**

# **SCHEDULE OF REQUIREMENTS**

**NTV-077/78-06 for “Digital File BasedWorkflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Play-out, NRCS, MAM, NLE, Digital Archiving System and Accessories ”**

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## 1. List of Goods and Delivery Schedule

### 1.1 SCHEDULES OF REQUIREMENT

**IFB No: NTV-077/77-06 for “Digital File BasedWorkflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Play-out, NRCS, MAM, NLE, Digital Archiving System and Accessories”**

**Name of Bidder:**

**Schedule of Supply:** 1.1-List of Goods (Hardware, Software and Licenses) for Nepal Television

Item	Description	Quantity
<b>1</b>	<b>Video Play-out and production system</b>	
1.1	4 Ingest port with preview (up-gradation to existing system)	4 sets
1.2	4 Play-out ports (up-gradation to existing system)	4 sets
1.3	Existing central storage up-grade by online Storage with 32 TB usable which shall run in existing configuration for ingest and play-out	1 sets
1.4	Existing Storage Expansion with 64TB (16 x 4TB) Raw Storage	1 set
1.5	File trans-code Engine and software, Ingest for content file of different Formats	2 sets
1.6	Trans-coder Engine Hardware, Branded Workstation with OS	2 sets
1.7	48 port L310G Gigabit switch	2 Sets
1.8	SDI Monitors	4 sets
1.9	24 port L2 Gigabit Switch	1 Set
1.10	Laptops for system monitoring	1 set
1.11	16 port KVM Switch	1Set

**NTV-077/78-06 for “Digital File BasedWorkflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Play-out, NRCS, MAM, NLE, Digital Archiving System and Accessories ”**

1.12	4 Ingest port with preview hardware ( Spare)	4 sets
1.13	4 Play-out ports hardware (Spare)	4 sets
1.14	central storage (online Storage) Chassis for ingest and play-out (hardware Spare without HDD)	1 sets
<b>2.</b>	<b>Station Automation and Billing</b>	
2.1	Automation server Main and Backup	1 Set
2.2	Automation Changeover Switch	1 Set
2.3	<b>Automation Control:</b> 1) 3 Ch. on air playout(main & backup mode)- 6 Ports 2) ingest with preview- 8 Ports 3) news playout - 6 Ports 4) 2 ingest,2 Production A/B Playout clients & 3 MCR On-air Automation clients 5) Newsroom / MAM MOS integration License (Ref annex for other control previous ports/devices from existing Equip)	1 Lot
2.4	Hardware control panel	7 sets
2.5	Ingest Clients ,branded computer with OS	2 sets
2.6	Production and Play-out Clients, branded computer with OS	5Sets
2.7	Billing Traffic Software – Billing Software for 3channels	1 lot
2.8	Billing Server, branded server with OS	1 set
2.9	Billing Clients, branded computer with OS	3 sets
<b>3.0</b>	<b>Media Asset Management, MAM and Digital Archiving System</b>	
3.1	Application with Database software with 15web client license	2 Sets
3.2	MAM server hardware ,Branded Server with OS (main and back-up)	2 Sets
3.3	MOS Gateway Software	1 Sets

**NTV-077/78-06 for “Digital File BasedWorkflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Play-out, NRCS, MAM, NLE, Digital Archiving System and Accessories ”**

3.4	File Base quality check and Proxy Generation software	2 sets
3.5	Proxy Generation hardware, Branded Server with OS	2 Set
3.6	File based ingest MAM client Software for XDCAM/P2 Cards ingest	2 sets
3.7	File based ingest MAM client, branded computers with OS	2 sets
3.8	Digital Archiving: Media licenses	1set
3.9	Digital Archive /Restore Client, branded computer with OS	1 set
3.10	Archive HSM with OS	1set
3.11	48 Slot LTO8 Tape Library with 3 Drives for Read and Write	1set
3.12	Tape Cartridge LTO , with barcode labels (50 Tapes)	1 lot
3.13	RW Barcode Labels (50 labels)	1 Set
3.14	LTO Cleaning Tape	1 Set
<b>4.0</b>	<b>News Room Automation System</b>	
4.1	Core NRCS software Full text search engine Script Archiving Messaging system MOS gateway for integration with unlimited no. of MOS devices 15 Journalist Clients licenses 2 Portable device licenses(IPad) Wires, Emails, RSS MIS reporting tool Social media integration NLE Plug-in Licenses (8 Nos)	1 Set
4.2	Application Server with OS	2sets
4.3	Wire input System, Branded computer with OS	1set
4.4	Journalist Clients, Branded computer with OS	15 sets
<b>5.0</b>	<b>Non Linear Editing Sets</b>	
5.1	Software license for Non Linear Editing Adobe(one years)	12 Sets
5.2	Non Linear Editing Workstation Hardware	12 Sets
<b>6.0</b>	<b>Digital Media logger</b>	
6.1	Digital Media logger with 5 channels input with hardware and software ( 90 days recording in low resolution)	5 sets

**NTV-077/78-06 for “Digital File BasedWorkflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Play-out, NRCS, MAM, NLE, Digital Archiving System and Accessories ”**

<b>7.0</b>	<b>Digital Glues</b>	
7.1	Analog Video distribution amplifier with 8 outputs	2 Sets
7.2	Analog Audio distribution amplifier with 8 outputs	1 Set
7.3	Digital Video Distribution Amplifier with dual 4 channel output	8Sets
7.4	Digital Video Distribution Amplifier with 8 channel output	4Sets
7.5	De-Embedder SDI to SDI video and analog audio	4 Sets
7.6	SDI to SDI Embedder with 4 channels of audio embedding	2 Sets
7.7	Rack Frames	As required
<b>8.0</b>	<b>Monitoring System</b>	
8.1	16 input OGX HD SDI modular multi-viewer	3sets
8.2	55"LEDMonitors	3sets
8.3	Amplispeakers (pair)	3 nos
<b>9.0</b>	<b>Installation Materials</b>	
9.1	Video cable(200meters)	8 rolls
9.2	Matching BNC Crimping75 Ohms Plugs	600nos
9.3	Audio Cable (200meters)	2 rolls
9.4	Audio Connectors	100nos
9.5	CAT6 Cable roll 500 m	5 rolls
9.6	CAT 6 network connectors	250 nos
9.7	Video Patch panel (24 x 24)	3nos
9.8	Network Patch panel	5nos
9.9	Control Cable (200 meters)	3 rolls
9.10	Standard Racks with accessories	4 sets
9.11	Tool Box	1Sets
9.12	Branded broadcast furniture with monitor Arms for ingest desk	1 Set

9.13	Installation materials to setup complete Automation project BNC crimping tools, BNC Extraction tool , Coaxial cable stripper, Cable Boots, RJ 45 crimping tool , Video patch Cords 5m ,Control cable connectors, Cable Idents, Different size of cable tie, power cables (black and orange) and connectors ,cable sleeves boot, Network Patch cords 5M (25 nos) and 10M (25 nos) ,Network Cable tester,10 port PDU 16 A for Desk (3 nos) HD-SDI to HDMI micro-converter with power supply (4 nos), HDMI Cables (as required)	1Lot
<b>10.0</b>	<b>Factory Acceptance</b>	
10.1	Factory Acceptance for Five persons including Higher Management, Procurement & Engineers.	10 Days
<b>11.0</b>	<b>Factory Training</b>	
11.1	Factory Training for Four Engineers/Technicians at OEM	14 Days
<b>12</b>	<b>Local Training , Onsite System Integration and Operations Supervision at Nepal Television by Bidder</b>	2 Month

• **Important Notice (mandatory clauses) to the suppliers:**

- Extra installation materials which may be required during installation but not mentioned in SOR must be supplied by supplier without any cost to NTV
- The delivery of equipment shall be made to at NTV store Singhadurbar, Kathmandu.
- The bidder should have specific experience in implementation of the proposed automation solution for at least 5 sites on their own. Bidder should produce a document stating the above experience with details of sites installed as a part of tender submission documents as per BDS
- The bidders shall provide detailed list and quantities of all the items required / equipped in each section / sub-section of the price schedule to facilitate system design and parts ordering and quote their prices accordingly.
- All the materials shall be fully insured by the Supplier up to the final destination.
- In case of discrepancy between the unit price and the total price the unit price shall prevail.

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- **The supplier or integrator must response within 24 hours when NTV request for any assistance.**
- **The supplier or integrator must provide signal flow diagram along with bid document.**
- **The all video equipment must have full HD (1920×1080) format.**
- **The supplier or integrator must submit compliance chart separately of all offered specified equipment based on the submitted brochures and datasheet.**
- **The supplier or bidder must provide workflow design based on the provided equipment during acceptance test. Without design acceptance will not be completed.**
- **The new software provided should be run in existing equipment and additional hardware/software required to run should be provided by bidder.**

## **1. Delivery Schedule**

The goods (Hardware, Software and Licenses) shall be delivered by Air to the respective sites as per Section V: Schedule of Supply and Section IV: Price Schedule.

The delivery of the equipment shall be made to NTV within 120 days from the opening of clear & confirmed Letter of Credit (LC)

## 2.1 LIST OF RELATED SERVICE

System Integration, Testing and Commissioning will be done by Suppliers; Final Testing will be done by Nepal Television.

## **2.2 Completion Schedule**

### **NTV-077/77-06 for “Digital File Based Workflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Payout, NRCS, MAM, NLE, Digital Archiving System and Accessories”**

The Supplier shall complete the Supply and Delivery of **Digital File Based Workflow (II) System Integration, Testing and Commissioning of Ingest, Storage, Play-out, NRCS, MAM, NLE, Digital Archiving System and Accessories** within One Hundred Fifty (150) days from the date of signing of Contract.

#### **Completion of Installation, Testing and ready for Commissioning**

After successful completion of the Installation, Testing and Commissioning steps mentioned in Clause No. 4.8.11 of Chapter 1: General Technical Specifications for **Digital File Based Workflow (II) System Integration, Testing and Commissioning of Ingest, Storage, Play-out, NRCS, MAM, NLE, Digital Archiving System and Accessories** of Section V, the Supplier shall invite Nepal Television for PAT. The invitation for the PAT shall be accompanied by Hardware, Software and Integration Test Report. The date of invitation from the supplier to perform Provisional Acceptance Test (PAT) upon confirmation of system's readiness for start of PAT by Nepal Television, which leads to the successful PAT without any major deficiency, shall be considered as the date of completion of Installation, Testing and ready for Commissioning.

NTV shall form a PAT Team and commence PAT within 7 (seven) days from the date of receipt of invitation. PAT Team shall complete the PAT within 30 (Thirty) days from the date of team formation. However, if the major deficiencies are found during the acceptance testing, the date when the major deficiencies are corrected shall be considered as the date of completion of the Installation, Testing and ready for Commissioning.

#### **Issuance of Provisional Acceptance Certificate (PAC)**

After successful completion of provisional acceptance tests of **Digital File Based Workflow (II) System Integration, Testing and Commissioning of Ingest, Storage, Play-out, NRCS, MAM, NLE, Digital Archiving System and Accessories** Provisional Acceptance Certificate (PAC) shall be issued within 7 days.

#### **Issuance Stabilization Period Completion Certificate (SCC)**

After the issuance of PAC, Stabilization Period of consecutive 30 days shall commence. After successful completion of the Stabilization Period, Project Manager of Nepal Television shall issue Stabilization Period Completion Certificate (SCC) to Supplier in accordance with above mentioned Clauses.

#### **Issuance of Final Acceptance Certificate (FAC)**

After the issuance of successful Completion of Stabilization Period, Final Acceptance Certificate (FAC) shall be issued within 30 days in accordance with the clause No. 4.13 Section V: Schedule of Supply, Chapter 1: General Technical Specification.

#### **Issuance of Warranty Completion Certificate (WCC)**

After issuance of Final Acceptance Certificate, twelve (12) months of warranty period shall commence. Supplier shall perform warranty services as stated in this section during warranty period for all the offered system. NTV will issue the Warranty Completion Certificate (WCC) within 30 days after successful completion of the Warranty Period.

#### **Issuance of Extended Warranty Completion Certificate (EWCC)(NA)**

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After the successful completion of warranty period, three (3) years of Extended Warranty for complete goods and services shall commence. The bidder shall quote for the extended warranty for three years on annual basis after completion of Warranty services. Nepal Television shall issue the Extended Warranty Completion Certificate (EWCC) within thirty (30) days after the successful completion of extended warranty service specified in clause no. 27.3 of section VI, GCC and Section VII, SCC.

### **Issuance of Annual Maintenance Service Completion Certificate (AMSCC)....(NA)**

The AMS shall start after completion of extended warranty period. Nepal Television shall issue the AMS Completion Certificate (AMSCC) within thirty (30) days after the successful completion of AMS as specified in clause no 27.3of Section VI, GCC and Section VII, SCC.

The Annual Maintenance Service should be free for at least five years.

## 3.0 TECHNICAL SPECIFICATION

Technical Specification consists of following two Chapters:

1. Chapter 1:General Technical Specification for **Digital File Based Workflow (II) System Integration, Testing and Commissioning of Ingest, Storage, Play-out, NRCS, MAM, NLE, Digital Archiving System and Accessories**
2. Chapter 2:Detailed Technical Specification for **Digital File Based Workflow (II) System Integration, Testing and Commissioning of Ingest, Storage, Play-out, NRCS, MAM, NLE, Digital Archiving System and Accessories**

## CHAPTER 1:

### 1.0 GENERAL TECHNICAL STANDARDS

#### 2. Video Specifications

The following video specifications will apply to all relevant equipment:

#### **SDI video performance**

The signal along a typical route from primary route to the input of the equipment shall meet the following specifications:

**Standard:** ITU-R BT 601

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<b>Output level:</b>	0.8 Vp-p + 10% 75 $\Omega$
<b>Quantization:</b>	12 bits
<b>Rise / fall times:</b>	0.75 – 1 nS (20/08, 75 $\Omega$ )
<b>Jitters:</b>	+ 0.25 nS
<b>Return loss:</b>	Better than 15 dB
<b>Data rate:</b>	270 Mbits/s
<b>Signal processing video:</b>	4:2:2 ITU-R 601
<b>Sampling frequency Y:</b>	13.5 MHz

### **HD-SDI video performance**

The signal along a typical route from primary route to the input of the equipment shall meet the following specifications:

Standard:	SMPTE 292M
Serial data rate:	1.5Gbps
Unit interval:	673 ps
Impedance:	75 $\Omega$
Return loss:	15 dB from 5 MHz to 1.485 GHz
Amplitude:	0.8 V + 10%
DC offset:	0.0 V, + 0.5 V
Rise / Fall times:	270 nS
Overshoot:	$\leq$ 10% amplitude
Amplitude excursions:	$\leq$ 500 mV (pathological signals)
Jitters:	> 10 Hz (timing): 1 unit interval (673 ps) p-p > 1 KHz (alignment): 20% unit interval (134.6ps) p-p

### **Video Inputs & Outputs**

Composite video:	PAL 625 50Hz, 1.0 Vp-p 75 $\Omega$
Component video:	G/Y, B/B-Y, R/R-Y: 0.7 V nominal / 1.0 Vp-p with sync
Serial Digital SDI:	SMPTE 259M 270 Mb/s 625/50 component
HD Serial Digital:	1.458 Gb/s SDI as in SMPTE 292M via BNC
Gen-lock reference:	PAL ITU 624-4 or composite sync with passive loopthru/SMPTE 274M / SMPTE 296M Bi/Tri level sync

### 3. Audio Specifications

The following audio specifications shall apply to all relevant equipment:

#### Digital Audio Standard

The audio system shall comply with AES/EBU standard as stated in ANSI 3-1992. Standards for audio coding levels correspond to reference alignment levels as SMPTE RP155: 0 VU corresponds to +4 dBu, -20 dBFS.

#### Analog Audio Input/Processing

Resolution:	24 bits
Input impedance:	600 $\Omega$ or 18 K $\Omega$
Max input level:	+24 dBu
Input sampling rate:	32 kHz, 44.1 kHz, 48 kHz
Sampling frequency:	22 – 56 kHz

#### AES/EBU Audio Input

Resolution:	24 bits, 96 kHz
Input type:	AES3-1992 Balanced XLR or Unbalanced BNC AES data on Coax SMPTE 276
Input termination:	110 $\Omega$ Balanced or 75 $\Omega$ Unbalanced

#### Analog Audio Output/Processing

Resolution:	24 bits
Max output level:	+24 dBu (23 dBu into 600 $\Omega$ )

#### AES/EBU Audio Output

Output type:	AES3-1992 Balanced XLR or Unbalanced BNC AES data on Coax SMPTE 276
Input termination:	110 $\Omega$ Balanced or 75 $\Omega$ Unbalanced

## 1.1 CHAPTER 1 : GENERAL TECHNICAL SPECIFICATION

### CHAPTER 1

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#### 4. GENERAL TECHNICAL SPECIFICATIONS

<u>Clause No.</u>	<u>Particulars of NTV's Requirements</u>	<u>Bidder's Response including deviations if any (+/-)</u>
	<b>CHAPTER 1: GENERAL</b>	
<b>1.0</b>	<b>INTRODUCTION</b>	
	<p>Nepal Television will acquire to digitize the present system by adding and upgrading some more equipment in such a way to have an efficient Digitized IT based system with more flexibility and facilities to support a dynamic three channels play-out MCR facility.</p> <p>List of the equipment which are proposed to be procured is placed on schedule of requirements (page 28) an indicative schematic signal flow diagram is also attached here in annex</p>	
	<p>It shows the equipment available in the facility and its integration with the proposed new equipment. Vendors should add more equipment or accessories which may be required to complete the proposed system. Vendors are also free to add some more equipment and accessories which they feel are required to make the system better as optional items. However in this case it will be required to justify with full reasoning. Nepal Television will be free to take the suggestion or drop the same.</p> <p>Offered equipment should be from internationally reputed and leading manufacturers in the related field, who have proven records of manufacturing broadcast quality equipment. The offered system should be fully integrated for the intended functional requirements of augmenting the existing Nepal Television facility. List of existing equipment can be found in Annex 2.</p> <p>The offered equipment must be compatible with "detailed technical specification" attached in annex 3. The bidders are requested to submit their proposals based on the specifications detailed in this tender document. <b>In System upgradation to existing system (Video playout and production), bidder may propose latest alternating solution i.e. compatible to NTV's existing file based System. NTV may ask for demo/simulation to the bidder. All cost associate with this solution should be borne by bidder. NTV Shall be free to decide whether to accept or reject the alternative proposal.</b></p>	
<b>1.1</b>	<b>SCOPE OF WORK</b>	
<b>1.1.1</b>	<b>Supply, delivery and installation of</b> a) NEWS Play-out and production Server System	

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	<p>with 3 channel (1+1 play-out), 2 channel PCR (main and backup) 8 port ingest/preview and at least additional 16 shared collaborative editing support and additional video server and secondary storage</p> <p>b) Full System Automation with fully redundancy</p> <p>c) Media asset management</p> <p>d) Newsroom Automation System</p> <p>e) Installation Materials including cables, connectors and all required accessories.</p> <p>f) Digital Archiving System</p> <p>g) Local wiring and cabling necessary required for proposed workflow.</p> <p>h) Required digital Glues</p> <p>i) NLE hardware and Software</p> <p>j) Billing Management Software etc</p>	
<b>1.1.2</b>	<b>Services</b>	
<b>1.1.2.1</b>	<p><b>Installation, testing and commissioning –</b></p> <p>Installation, testing, commissioning and system integration shall be done by the suppliers in presence of NTV engineers and joint report shall be submitted to NTV</p>	
<b>1.1.2.2</b>	<p><b>Testing –</b></p> <p>Equipment's should be tested in the factory and factory test report shall be supplied with equipment. Entire System will be tested in Nepal television after the completion of installations.</p>	
<b>1.1.2.3</b>	<p>Local training and operation supervision –</p> <p>Local training and operation supervision will be done by suppliers.</p> <p>Minimum one month local training should be provided to NTV Staffs by bidders for automation and media asset management and digital archiving and News room Automation System (NRCS) .Operation supervision will be done by experts from suppliers or manufacturers during same time along with the completion of local training.</p>	
<b>1.1.2.4</b>	<p>Extended Support Service-</p> <p>Extended service support must be provided for five year after the completion of warranty; support shall be through telephones, remote, emails or site visit according to the requirement.</p>	
<b>1.2</b>	<b>DELIVERY OF EQUIPMENT</b>	
<b>1.2.1</b>	The delivery of the all the equipment shall be to NTV stores at Singhdurbar Kathmandu.	

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<b>1.5</b>	<b>COMPATIBILITY WITH OTHER SYSTEMS, FILE FORMATS AND PROTOCOLS</b>	
<b>1.5.1</b>	Supplied System must be compatible with following systems and protocols without which bids shall be rejected.	
<b>1.5.1.1</b>	Supplied system must be upgradable and compatible with HD workflow without interrupting the on air operation.	
<b>1.5.1.2</b>	The server should be compatible third party broadcast applications built around open standards including MOS and APIs.	
<b>1.5.1.3</b>	The server should be compatible to all the popular NLEs System including adobe premiere CS series.	
<b>1.5.1.4</b>	The server should support industry standard media wrappers including MXF( OP-1b and OP-1a) and quick time and as well open networking protocols such as FTP, AFP and CIFS to enable direct access to content by any file based media applications.	
<b>1.5.1.5</b>	The server should be capable of generating integrated database with metadata search capabilities.	
<b>1.5.1.6</b>	Storage must support shared storage collaborative editing.	
<b>1.5.1.7</b>	Supplied system specification must be compatible with detailed technical specification applicable for all equipment in annex 3.	
<b>1.5.1.8</b>	All application software's should have lifetime license with free update and upgrades for five years. IN Case of subscription based Editing Software License must be of 3 Years with free updates and upgrades.	
<b>1.6</b>	<b>ENVIRONMENTAL CONDITION</b>	
<b>1.6.1</b>	The offered equipment shall be rugged and reliable to withstand extreme environmental conditions, specified below, likely to be encountered at these places. It shall have very high MTBF (Mean time Between Failures).	
<b>1.6.2</b>	<b>Climatic Conditions</b>	
<b>1.6.2.1</b>	Maximum Temperature: 40 Degrees Centigrade Minimum Temperature: 0 Degree Centigrade Altitude : up to 3000 meter a.m.s.l Relative Humidity : up to 95 %	
<b>1.7</b>	<b>TRAINING and ACCEPTANCE</b>	
<b>1.7.1</b>	NTV will send 4 Engineers/Technicians for 14 days of training at the OEM manufacturer /bidders premises country for ingest storage, play-out, MAM and digital archiving. After the training, the trained personnel shall be able to carry out the installation, operation, maintenance and repair works of the system. These personnel shall also be able to impart knowledge on the normal operation and maintenance of the system to NTV technicians.	

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<b>1.7.2</b>	<p>The topics for this training group shall at least consist of:</p> <ul style="list-style-type: none"> <li>a. Overview of the complete system.</li> <li>b. Installation and preventive maintenance of Play-out/Production Server System</li> <li>c. Performance measurement, fault diagnosis of video networks.</li> <li>d. Optimization performance of Ingest, Storage and Play-out System.</li> <li>e. Operation of Play-out Automation Server software, Ingest management software, Storage management software, scheduling software and necessary software.</li> <li>f. File formats, Metadata management, browsing files at storage and others.</li> <li>g. File Based workflow system and related technology.</li> <li>h. Working details of hardware and software</li> <li>i. Installation procedures and practices.</li> <li>j. System optimization and performance measurement.</li> <li>k. System Fault Diagnostics</li> <li>l. MAM and digital Archiving</li> </ul>	
<b>1.7.3</b>	<p>The bidder shall list any other course topics that are not mentioned above, but are available in their training course and the bidder thinks they should be included to make comprehensive training package.</p>	
<b>1.7.2</b>	<p>Local Training must be conducted by experts from the manufacturer/suppliers for</p> <ul style="list-style-type: none"> <li>i. Ingest and play-out System</li> <li>ii. Digital archiving system</li> <li>iii. Media Asset Management</li> <li>iv. NRCS (Admin and User)</li> <li>v. Training on Billing Software</li> <li>vi. Overall system</li> </ul>	
<b>1.8</b>	<b>INSTALLATION MATERIALS</b>	
<b>1.8.1</b>	<p>All installation materials including power cables, interconnection cables, connectors and other accessories (including nuts, bolts, screws etc.) required for installation of the complete system shall be provided by the supplier.</p>	
<b>1.9</b>	<b>TECHNICAL DOCUMENTATION</b>	
<b>1.9.1</b>	<p>The supplier shall provide six sets of documentation for installation, testing, commissioning and operation and Maintenance of all the equipment offered. The documents shall be in English</p>	
<b>1.9.2</b>	<p>NTV shall have full ownership and copyright for copying the documents for use within NTV. Should the documents provided be found inadequate, it will be the obligation of the supplier to provide all such documents as required during the entire lifetime of the equipment.</p>	

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<b>1.10</b>	<b>SPARES</b>	
<b>1.10.1</b>	The bidder shall guarantee the supply of spares for a period of five years from the date of commissioning of the equipment.	
<b>1.11</b>	<b>CLARIFICATION OF TECHNICAL SPECIFICATION</b>	
	If the bidder discovers logical fault(s) or unclear point(s) in the specifications, it shall be brought to the notice of NTV at pre bid meeting which will be held before 21 days of last date of submission (i.e. on .....2020)	
<b>1.11.1</b>	<b>NTV will clarify the unclear points at the earliest (if needed).</b>	
<b>1.11.2</b>	NTV will not, however, entertain the late queries and such queries will in no way be a reason for extension of closing date.	

## CHAPTER 2

### 5. GENERAL TECHNICAL SPECIFICATIONS

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<u>Clause No.</u>	<u>Particulars of NTV's Requirements</u>	<u>Bidder's Response including deviations if any (+/-)</u>
	<b>CHAPTER 2:</b>	
<b>2.0</b>	<b>GENERAL SPECIFICATIONS</b>	
	1. Broadcast quality System with very high data integrity, enterprise class has been envisaged for the facility.	
	2. The system should have play out ports for one TV channels in 1+1 MODE. Altogether there will be 3 channels 1+1 mode.	
	3. <b>The supplied system should add four bi-directional ports for simultaneous ingest and preview operations.</b>	
	4. <b>After the up gradation system should have a minimum of 20 ports for recording and play back. It should be modular and expandable to add more ingest ports / channels and upgrades without any interruption in on air system in future.</b>	
	5. After the up gradation system should also support collaborative editing on the shared <b>storage at least sixteen (16) NLEs</b> connected on network.	
	6. After the up gradation system throughput must be sufficient for 3 channels production and play-out operation.	
	7. <b>The File System should be Linux based, keeping the virus vulnerability to a minimum,</b> and expandable as the system expands without any additional cost.	
	8. The system should be compatible with third party broadcast applications built around open standards MOS and APIs.	

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	<b>9.</b> The server should be compatible to all the popular NLEs including Adobe Premiere CC series.	
	<b>10.</b> System should support all the HD production and play out compression formats. Present format is XDCAM HD 4:2:2 for full HD operation but the quoted server should have the capabilities of supporting DVCPRO 25, DVCPRO 50, MPEG -2 SD up to 25 Mbps and I frame MPEG 2 at 50 Mbps and also all the HD formats such as AVC Intra 100/50, DVCPRO HD, Sony XDCAM HD422 MPEG-2 long GOP (12 frames) and VC-3 (SMPTE 2019-1) decoding by suitable augmentation.	
	<b>11.</b> All Codec's and clips of different format should support seamless back to back play out.	
	<b>12.</b> It should support play back of SD and HD clips on the same timeline.	
	<b>13.</b> I/O modules and power supplies should be redundant and hot swappable. It should be possible to replace them without disrupting on air operation.	
	<b>14.</b> The system should support industry standard media wrappers including MXF (OP-1a) and QuickTime (Reference and Self-Contained) and as well open networking protocols such as FTP, AFP and CIFS to enable direct access to content by any file based media application.	
	<b>15.</b> The system should be able to provide HD SDI decoding output.	
	<b>16.</b> The system architect should be such that a single failure of a component of the system should not disrupt operations across the rest of the system. The system should have built in sufficient redundancy.	
	<b>17.</b> Failure of disk drive should not result in loss of content or even dropped frame. It should allow hot swapping of Hard disk drives.	
	<b>18.</b> System should be capable of supporting proxy creation during recording. Server should be capable of multi-language transmission as part of the embedded SDI output.	
	<b>19.</b> System should have full VBI and VANC support.	
	<b>20.</b> Necessary software tools for ingest, playback,	

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	trimming of clips various playlist formats, Billing and planning, scheduling (including weekly scheduling) for playback shall be available in the proposed solution. It should allow the full control of the server functionalities for channel operation.	
	21. It should be possible to make multiple play lists in the server and implement any created play list for playback. The server should be capable of generating integrated database with metadata search functionalities.	
	22. It should allow manual and automated ingest to a schedule. It should also have the crash recording feature for last minute changes. Video clips should be playable and editable while it is still recording.	
	23. The supplied software should allow creating sub-clips by specifying the In and Out points. It should allow renaming the clips if required by metadata editing feature.	
	24. Proposed solution should support embedded audio.	
	25. The system should support networking by 1000Base-T, 100Base-T Ethernet, 10G Base-T on high resolution edits or fiber channels.	
	26. It should support sufficient number of client computers for ingest, play-out and storage management.	
	27. All the necessary accessories such as keyboard, mouse, and monitor should also be provided with server.	
	28. System hardware must be supplied based on specifications mentioned in each subsections of technical specifications.	
	29. Supplied systems should be compatible with the existing systems of Nepal Television as per Annex.	
	30. The software requires multichannel features including multi-channel playlist, timers, and multi-channel missing media list and auto loader.	
	31. The required software needs capacity of main and back-up device controllers with an automatic change over server and allows for automatic failover in case of failure/ manual failover for maintenance.	
	32. Automatic database needs always be mirrored with backup automation database to avoid data loss during failure.	
	33. In built data base should keep track of content in all location for ingest, play-out, Archive and	

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	content management.	
	<b>34.</b> The software shall automatically restore the missing media based on playlist requirement and automatic trans-coding HD video formats based on work flow and user interface providing status of jobs and percentage of transfers.	
	<b>35.</b> Ingesting needs live schedule ingest, VTR ingest from the same automation client application if centralized ingest is required, provides an ingest polling for assigning free ports automatically by the system as per the ingest schedule	
	<b>36.</b> The ingest automation client interface should have Direct VTR control, mini router interface showing the cross points.	
	<b>37.</b> The Studio and Master Control automation client interface should have MOS playlist imports, multiple playlist Creation.	
	<b>38.</b> Each Client should have the complete System status windows to show all the status of Automation servers and controlling components.	
	<b>39.</b> The software shall have been used at least by at least 20 popular stations. The bidder should have experience in implementation of the proposed automation solution for at least 5 sites. Bidder should produce a document stating the above experience with details of sites installed as a part of tender submission documents.	
	<b>40.</b> The software needs to have enhanced timer view to display (Next Live, Next Timer, Event duration, Nearest Error)	
	<b>41.</b> The software shall support facilities for insertion of regional targeted ads and activities.	
	<b>42.</b> The MAM software shall support the features asset search, placeholder search, metadata entry, updating and viewing, archiving, trans-coding.	
	<b>43.</b> The software shall support any workflow, integrated any system and hardware should have legacy device control for existing equipment.	
<b>2.1</b>	<b>DETAIL TECHNICAL SPECIFICATION</b>	

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	<p>1. Video I/O : 75 Ohms BNC female connector, 0.8 Vp-p +- 10% across 75 Ohms ,</p> <p>270 Mbit/sec, 625/50i PAL, 2:1 interlacing, 25 frames, 50 fields (4:3 aspect ratio) conforming to SD (SMPTE-259M) /HD (SMPTE-292M).</p> <p>Single BNC video input channel.</p> <p>Dual BNC video output channel</p>	
	<p>2. Compression : DV 25 SD MPEG2 3-24Mb/s long GoP, 25-50 Mb/s I Frame, DVCPRO25, DVCPRO50: HD DVCPRO HD, AVC Intra 100 &amp; 50, XDCAMHD 18, 25, 35, 50Mb/s, VC-3 (SMPTE 2019-1) 120, 145 Mb/s</p>	
	<p>3. Audio format: Uncompressed 16, 24, 32 bit PCM @ 48 KHz sampling. Embedded audio pass through.</p>	
	<p>4. Control: VDCP and RS 422 protocol/ Ethernet</p>	
	<p>5. Ancillary data: VBI – Up to 6 lines configurable. VANC – Line 21 caption data saved automatically, Up to 6000 bytes per frame.</p>	
	<p>6. Reference: Analog black burst, 0.30 Vp-p</p>	
	<p>7. Power Consumption: 110-120W per 2 ports, 165-180W per 4 ports.</p>	
	<p>8. Mounting : Standard 19” rack.</p>	
	<p>9. Relative humidity: 10% 85 % non-condensing.</p>	
	<p>10. Operating temperatures : +5 to +40 deg C</p>	
<b>3.0</b>	<b>AUTOMATION SPECIFICATION</b>	
<b>3.1</b>	<b>GENERAL SPECIFICATION OF AUTOMATION SERVER &amp; CLIENTS:</b>	
	<b>Automation Servers</b>	
	<p>i. Proposed automation solution should have Main and Backup architecture.</p>	
	<p>ii. The Hardware should be rack mountable chassis with redundant power supplies with</p>	

	dual system discs and dust filters. Should be Capable of Expansion, upgrades, repairs possible while still on-line with “Hot Swappable” modules.	
	iii. The modules or applications should be separate from the operating system in such a way that the system continues to run while new modules are added.	
	iv. Primary disc data should be mirrored in the secondary disc to run the complete system in case of primary disc failure.	
	v. The operating file system for the automation system should be Windows/UNIX /Linux based real time OS to support multitasking and Multiuser operation built for 24 x 7 operations. This is preferably a Real Time OS used for Military Grade Applications	
	vi. Automation should have interface for Video reference inputs, LTC inputs, GPI in and GPI out on the servers.	
	vii. Automation Database should be robust and should be SQL server based with Mirrored redundancy server option internally	
	viii. Minimum Of 50000 Database records and minimum <b>of 5 users</b> can login and do work on database when the system is on air	
	ix. The proposed automation system should have support to all legacy device drivers available to control devices in the NTV premises.	
	x. Automation clients should be designed like any control room can use any set of equipment that may be assigned to another control room and Customized. There should be “Network Transparency” which provides many options like channel control, facility upgrades, and device failures.	
	xi. The Automation user interface also should allow operators to manually make last-minute changes in the playlist to delete or replace any item. Interfaces should be available for most traffic systems on the market or a new interface can be easily created.	
	xii. Automation should have a bi-directional MOS gateway to exchange rundowns, story and clip status, clip metadata and template information.	
	xiii. The Automation system should support browse configuration options which are	

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	scavenge mode, File mode and Real time mode and to Trigger the existing promedia Transcoder and Proposed New Transcoders.	
	xiv. It controls the Harmonic servers by using its native API to take advantage of all of its advanced features.	
	xv. The Automation must be capable to control devices using RS232, RS422, and API over IP. xvi. The system proposed should be able to communicate with the NRCS system via MOS without adding any additional hardware	
	xvii. The proposed Automation system should automatically reconnect to Backup newsroom system in case of main newsroom failure.	
	Ingest Clients	
	(i) 2 Automation clients (with monitor, mouse and keyboard) to be provided for 8 simultaneous ingest or preview of content with control panel. Each client must be having ingest automation application installed and Control panel	
	(iii) User must be able to control through the automation GUI the video servers, VTRs, Router etc.	
	(iv) The Automation server should be able to control video servers, VTRs, routers etc. through VDCP, IP, RS232, RS422 etc.	
	(v) Schedule ingest ,Crash ingest must be supported	
	(vi) Users should be able to input basic metadata information through the ingest automation GUI, which would in turn automatically update the database.	
	(vii) Back to Back live source preset ingest support with router cross point control. User should be able to select different sources from Virtual router interface for Crash recording.	
	(viii) Client should be platform independent which can work on Windows, Mac or Linux.	
	ix) The user should be able to select different categories, Warranties and deletion rules from a metadata drop down list and apply to the clips at the start of ingest.	

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	(x) The Transfer monitor must also update the data base on the transfer result from Ingest storage to Central storage.	
	(xi) In case of Main Failure Clients must switch Automatically to backup automation without any manual intervention. The user interface should display whether the client is connected to MAIN server or BACKUP server.	
	(xii) Control Panel keys on the top of the panel are user configurable hot key buttons. All of the other buttons are dedicated for playlist control. The standard control panel includes a high-quality jog/shuttle knob which provides easy review and clip marking makes the standard control panel the perfect tool for payout and ingest	
	(xiii) All third party controlled devices to be connected only via Automatic Change over unit.	
	<b>PCR Play-out Client</b>	
	i. Two terminals for PCR play-out is to be provided with control panel.	
	ii. This PCR play-out terminal should be able to import playlist from NRCS received via MOS. Separate interface should be provided to list the Active NEWSROOM playlist.	
	iii. This PCR play-out terminal should be able to import playlist from NRCS received via MOS. Separate interface should be provided to list the Active NEWSROOM playlist.	
	iv. The PCR play-out terminals must be frame accurate.	
	v. The PCR terminal should be able to play content in.	
	vi. Modifications on the User window and adding keyboard short cuts according to the user workflow should be possible	
	vii. A/B mode by controlling 2 play-out ports of the video server.	
	viii. The clients interface should have Manual playlist creation, Clips available in database with all Metadata information and full text search enabled.	

	ix.	The News control panel comes with illuminated buttons to indicate which ones are active and allows independent control of two video server channels commonly used for news playout. The Buttons should have minimum 2 independent functional keys for RECUE, FREEZE, NEXT and PLAY functions.	
	x.	The system should be capable to manually assign clip play-out on the fly to different play-out ports from the Run orders.	
	xi.	The user must be able to make changes to the PCR manual playlist (drag, drop etc.)	
	xii.	The Station automation must be able to show the basic file details directly from the video server.	
	xiii.	The Clients should support sending PLAY, CUE, and STOP status back to Newsroom system once the MOS playlist is loaded for play-out.	
	xiv.	The NEWS play-out interface should have CUE, RECUE, PLAY, NEXT as quick buttons.	
	xv.	Every Client should show system status, connected device status and Router connection status interfaces	
	xvi.	System should be Capable of Controlling multichannel play-out ports with mirrored play-out support.	
	xvii.	The Client should support multiple hotkeys from keyboard even when the hardware control panel fails.	
	<b>MCR Play-out Client</b>		
	i.	Three terminals for MCR play-out is to be provided with control panel.	
	ii.	This MCR play-out terminal should be able to import playlist from proposed traffic system.	
	iii.	The MCR play-out must be frame accurate.	
	iv.	The MCR terminal should be able to play content in Main and Mirror mode by controlling 2 play-out ports of the video server for each channel.	
	v.	If the traffic system fails, Automation still	

	has the read only part of the playlist and the MCR operators can make it editable.	
vi.	The clients interface should have Manual playlist creation, Clips available in database with all Metadata information and full text search enabled.	
vii.	The system should have ability to add the Live Events from outside and from Production control room as events on the playlist.	
viii.	The user must be able to make changes to the MCR playlist (drag, drop etc.)	
ix.	The Station automation must be able to show the basic file details directly from the video server.	
x.	Parallel events can be used for grouping multiple entries to be aired simultaneously.	
xi.	The ASRUN should contain the accurate time of airing and duration for each aired event. All metadata in the playlist should be passed to the as-run log.	
xii.	System should be Capable of Controlling multichannel play-out ports with mirrored play-out support.	
xiii.	In the Control Panel keys on the top of the panel are user configurable hot key buttons. All of the other buttons are dedicated for playlist control. The standard control panel includes a high-quality jog/shuttle knob which provides easy review and clip marking makes the standard control panel the perfect tool for playout	
xiv.	The system should automatically change from Auto to Manual mode for live events allowing operator to switch between events once live is over.	
xv.	The playlist events when added to the playlist, the user should be able to edit the duration of the event either to fixed or estimated on the fly.	
xvi.	The Client should be able to synchronize changed clip metadata from the clip database automatically when there is a change if the clip is on the playlist.	

	xvii.	The Client should support multiple hotkeys from keyboard even when the hardware control panel fails.	
	xviii.	Every Client should show system status, connected device status and Router connection status interfaces	
	xix.	The Clients should be capable to support Emergency failover options in case of failures like Video server, Router etc... Both manually and automatically.	
	xx.	When MAIN Automation failure, the playlist should run from BACKUP Automation without any interruptions or frame drop and should be on air.	
	xxi.	The system should be capable to triggering sub-events via GPI for LOGO, wipe, XY transition as a part of third party MCR Mixer control.	
<b>3.2</b>		<b>GENERAL SPECIFICATION OF AUTOMATIC CHANGE OVER DEVICE UNIT FOR AUTOMATION SERVER</b>	
	1.	For any case of emergency situations and automation.	
	2.	Server redundancy must be possible to supply Changeover unit which ensure the fully automated or manual switching between two automation servers.	
	3.	The Changeover device unit must allow switching of all the control lines between main and backup control automation servers. The RS232, RS422 serial ports, GPI inputs and GPI outputs must be switchable by this unit.	
	4.	The switch must be invoked either by GPI command or by the front panel button.	
	5.	The Control Unit ports for devices will be 15 x GPI out 8 GPI In and Each expansion unit should support has 16 x RS422 serial port which need to tally with the design	
	6.	The COU Unit should provide indicators on its front as well as rear panels: •Main (M) light: when ON, the COU is in MAIN mode. •Backup (B) light: when ON, the COU is in BACKUP mode	
	7.	The unit must comply the industrial technology design.	

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	8. The Modes of Operation should be MAIN mode, BACKUP Mode, Auto Mode and Local Mode	
	9. The power supply must be automatically switchable in the voltage range 110V and 240V AC.	
<b>3.3</b>	<b>REDUNDANCY:</b>	
	1. Power loss in the main automation server shall activate automatically the mirror automation server, while on air play-out remains unaffected.	
	2. Automation should support automatic failover scenarios that can automatically solve emergencies such as loss of play-out video server.	
<b>3.4</b>	<b>AUTOMATION CLIENT</b>	
	1. Automation client software shall be able to run on Windows, Apple MAC and Linux.	
	2. Automation client shall have a hardware control panel	
<b>3.5</b>	<b>AUTOMATION CLIENT SPECIFICATIONS</b>	
	Processor: Intel core i7 processor latest generation	
	RAM: Minimum 8GB	
	Hard Drive: Minimum 500GB SSD Operating System: Windows 10 Pro (64-Bit)	
	21.5" Display 1920 X1080 , Keyboard & Mouse	
<b>4.0</b>	<b>TRANSCODERS</b>	
<b>4.1</b>	<b>SOFTWARES</b>	
	I. The offered trans-coder should be File-Based trans-coding software.	
	II. The solution offered should be software-based application provides high-performance, scalable and cost-effective trans-coding for a broad range of video production.	
	III. The offered system should trans-code support the following video codec's.	

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	IV. MPEG-1•DV25, DV50, DV100, DVCPRO ,MPEG-2• DPS MPEG-4,DivX H.263,JPEG 2000 ,H.264,DNxHD, AVC-Intra ,Flash• Windows Media, Real Video.	
	V. The system should Support these Media Containers AVI,LXF, GXF ,QuickTime-WMV, WMA, ASF,HDV • VOB, MXF (OP1a, OP-Atom),3GPP, MPEG-2 PS, MPEG-2 TS,3G2,WAV, Broadcast WAV, Apple HTTP Live Streaming.	
	VI. The trans-coding system should be faster than real-time. The trans-coders should be designed in such a way that the low-res files are available for viewing and metadata creation within one hour of the ingested full resolution content in the peak load condition.	
	VII. The proposed trans-coder should be able to run in a fully automated mode with support for batch processing, local watch folders and automatic FTP transfers.	
	VIII. It should be able supports intelligent trans-coding performance increases productivity by easily identifying source formats and automatically trans-coding them to the desired destination formats.	
	IX. The trans-coder should not impose limit on the size of the video clips. X. The trans-coder should have a Broad format Support including SD/HD conversion, PAL/NTSC conversion, logo insertion, color space conversion, color correction, closed-caption extraction and more.	
	XI. The system should support an open API that allows for the creation of custom workflows or third-party applications.	
	XII. System allows 3 <sup>rd</sup> party automation to control by the API/SDK, including source/target destinations, trans-coding parameters, etc.	
	XIII. Proposed Trans-coder should have ability to trans-code from virtually any media format to every media standard in use today. Supporting all major SD and HD formats.	
<b>4.2</b>	<b>HARDWARE FEATURES</b>	

	Processor : Intel Xeon (6C, >3.0 GHz base frequency)	
	RAM : 32 GB DDR4	
	HDD : 500 GB SSD and 1TB HDD SATA	
	OS : Windows Server 2016(STD) 64 bit	
	NVIDIA 4GB or better GFX Card	
	2 x Gigabit Ethernet , Rack mountable professional Workstation	
<b>5.0</b>	<b>L3 and L2 GIGABIT SWITCH</b>	
	1. The proposed L3 switch should have 48 ports of configurable 1000/ 10000 Base T ports. This can be configured using CLI or application.	
	2. The Switch should be compatible with existing Playout system and certified branded switches to enable online editing for 16 edits in 10G Ethernet connectivity to support the current system in operation	
	3. The switch should support enough bandwidth to handle the media load during peak operational hours.	
	4. The Switch should have Power redundancy with fully Redundant Power Supply Unit.	
	5. The power supply should be 1+1 hot-swappable power supplies and four N+1 hot-swap fans	
	6. Routing Protocols: OSPF, OSPFv3, BGP, MP-BGP, IS-IS, and RIPv2	
	7. 64-way Equal Cost Multipath Routing (ECMP)	
	8. Resilient ECMP Routes VRF •BFD •Route Maps •IGMP v2/v3	
	9. PIM-SM / PIM-SSM	
	10. Any cast RP (RFC 4610) •VRRP •Virtual ARP (VARP)	
	11. Policy Based Routing (Direct Flow)	
	12. Network Address Translation •Static NAT	

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	•Dynamic NAT•uRPF	
	13. Total 1G/10GBASE-T (RJ45) -48ports	
	14. Throughput –more than 1 Tbps	
	15. Latency (RJ45 to uplinks) -3usec ,10/100/1000 Mgmt Port – at least 1	
	16. System Memory and Flash memory -3 to 4 gigabytes each	
	17. 1RU Rack mountable	
	18. Should be supplied with redundant power supplies supporting AC voltage 100/240 VAC 50Hz	
	19. Support for 802.1w Rapid Spanning Tree ,802.1s Multiple Spanning Tree Protocol ,Rapid Per VLAN Spanning Tree (RPVST+) ,4096 VLANs ,Q-in-Q ,802.3ad Link Aggregation/LACP ,64 ports/channel ,104 groups per system	
	20. Multi-Chassis Link Aggregation (MLAG) ,64 ports per MLAG ,Custom LAG Hashing ,Resilient LAG Hashing ,802.1AB Link Layer Discovery Protocol ,802.3x Flow Control ,Jumbo Frames (9216 Bytes) ,IGMP v1/v2/v3 snooping ,Storm Control ,Private VLANs ,RAIL	
	21. Should support virtualization	
	22. 10/100/1000 Management Port ,RS-232 Serial Console Port ,USB Port ,SNMP v1, v2, v3 ,Management over Ipv6 ,Telnet and SSHv2 ,Sys log ,AAA ,Industry Standard CLI, Accelerated Software Upgrade (ASU) ,Cloud Vision Task-Oriented Multi-Device CLI	
	<b>L2 Switch</b>	
	1. The proposed solution should have a Layer 2 switch with minimum of 24 ports of 100/1000 Base T ports.	
	2. Network management interface :10/100 Mbps Ethernet (RJ-45)	
	3. Flash memory -128 MB for LAN Base and IP Lite SKUs, 64 MB for LAN Lite SKUs	

	4. Device management with web UI, Command-Line Interface (CLI), Simple Network Management Protocol (SNMP), and RJ-45 or USB console access	
	5. 1RU Rack mountable	
<b>6.0</b>	<b>SDI MONITOR</b>	
	Type: 10bit	
	Size: 17 inch	
	Resolution: Full HD/SD	
	Aspect Ratio: 16:9,4:3	
	Inputs: 1xSDI,1xHDMI,1xComposite,1xAnalogaudio	
	Outputs: 1xSDI with embedded audio support	
	SDI Standards: 3GSDI,SDSDI,HDSDI	
	Power: 100to 240VACat 50Hz	
<b>7.0</b>	<b>NEWS ROOM COMPUTER SYSTEM(NRCS)</b>	
<b>7.1</b>	<b>SOFTWARE FEATURES</b>	
	(i) <b>NRCS Servers</b> The NRCS system should offer a main and hot-standby server allowing automatic fail-over to the hot-standby server in case of a main server failure. A monitoring system should be offered for the critical services running on the server, allowing email notification for system errors. Logs should be generated for all critical services; this should include a log of all user actions within the system.	
	(ii) <b>Back Up Server</b> For resiliency reasons the NRCS should be provisioned with an identical back-up system synchronized to the main system.	
	(iii) <b>Operating System</b> NRCS solution should run natively on various operating systems. The supported client operating systems should include Windows (Windows 7, Windows 10 Pro) and Mac OS X (Snow Leopard, Lion, Mountain Lion, and Mavericks).	
	(iv) <b>NRCS Client:</b> Client installation should be possible via a simple download link. It must be possible to run the	

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	client natively on either Windows or Mac platforms. The user interface should be simple to use and easy for journalists to learn. The client must offer full Nepali language support, Nepali Unicode language, it should be possible to translate the interface into Nepali. For Ipad Clients, Software to be provided only not hardware	
	<b>(v) NRCS Licensing:</b> Licensing should be based only on concurrent NRCS client connections to the server. There should be no limitation on the number of client machines that have the client software installed or restrictions on the number of active system users.	
	<b>(vi) Upgrades:</b> Hardware/software upgrades (server and client side), back-ups/restores, system maintenance and re-indexing should occur with minimal system downtime and disruption.	
	<b>(vii) MOS Integration</b> The NRCS should be fully MOS compliant and have proven integration with a wide range of play-out automation, MAM, graphics and prompter systems. The MOS gateway module should allow integration with as many MOS devices as are required. Automatic MOS activation of rundowns for all integrated devices at a set time prior to broadcast should be possible.	
	<b>(viii) Receiving Data Feeds</b> The system should be able to receive source material from a wide range of data feeds. This should include the ability to receive any type of agency wire format, either via a serial feed or to process XML files including associated attachments. Additionally it should be possible to receive internet data feeds including RSS and social media such as Twitter or You Tube. It must be possible to set up forward searches against the incoming data feeds to allow the journalist to be notified whenever a new message arrives about a particular subject.	
	<b>(ix) Story Scripts</b> The script editor should offer rich text formatting. It should be possible to include embedded video, graphics and automation commands as media objects in the scripts, this technical information should be displayed separately on the left of the script and an option to hide the technical information should be available. It should be possible to view low-res proxy videos for embedded media directly from the story scripts. Story history versions should be available, the changes between versions should be visually highlighted and an option to revert a previous script version available.	
	<b>(x) Rundown</b> The rundown should include fully scripted stories with precisely calculated durations according to text and embedded media objects. Rundowns should be	

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	<p>created automatically by the NRCS according to a defined program schedule. Rundowns should be archived automatically after the broadcast. It should be possible to view a list of all the video clips embedded in the rundown and to play the low-res proxy video from this view. There should be an approval process for stories in the rundown and access to stories marked as Ready for Air should be restricted via user rights. All changes to the rundown should be immediately reflected on all NRCS clients and on all MOS integrated devices. While on-air, the rundown should display status feedback from integrated play-out systems. There should be a way to manually monitor the show timing during broadcast.</p>	
	<p><b>(xi) Archive</b> It should be possible to archive the final version of all scripts and rundowns produced in the NRCS. The archives should be fully search-able. It must be possible to make a copy of stories in the archive for use in another program.</p>	
	<p><b>(xii) Messaging</b> The built-in messaging system should enable sending message to single users as well as predefined users groups, including sending various attachments. Contact details such as address, email, phone numbers and instant messenger ID's. It must be possible to make contacts public to other users or private. All contact fields should be search-able. It should be possible to choose from the contacts list when entering names and titles into CG's within the script.</p>	
	<p><b>(xv) Assignment Planning</b> There should be a tool for assignment planning that allows entering the assignment details and to assign it to a reporter. The reporters should be able to view all assignments that have been assigned to them in one folder and to filter these assignments according to date</p>	
	<p><b>(xvi) Web and Social Media Publishing:</b> Publishing to the Web content management system or to social media sites should be possible directly from within story scripts. An approval process for web publishing should be included and it should be possible to schedule publishing of items at a set time</p>	
	<p><b>(xvii) Mobile Application</b> The NRCS should also have a mobile/tablet app for the most common platforms (Android, iOS).</p>	
	<p><b>(xix) Remote Access:</b> All NRCS client functionality should be available when running a client remotely, it</p>	

	should be possible to run a client and connect to the server either using VPN or via directly the internet (when the network is configured to allow this).	
	(xx) <b>User Integration:</b> NRCS should support authentication of Users against Microsoft Active Directory Service (ADS). User rights should be applied at a group level; it should be possible to add users to multiple user rights groups.	
	(xxi) <b>E-mail Integration</b> NRCS should support SMTP and gateways to email servers.	
	(xxii) <b>Tracking and Logging</b> NRCS should generate audit trails, systems logs and reports on usage, traffic, access, system utilization, available system capacity, performance, etc for administrators. NRCS should maintain an audit trail of all actions, both manual and automated, that occur with the system and should be capable of exporting configurable logs capturing these actions. Minimally such logs should describe what actions were performed by which NRCS users on what stories/rundowns at what time/date.	
	(xxiii) <b>Communication:</b> Communication between the NRCS and the Play-out Automation should be bi-directional (for status and durations), dynamic and occur with minimal latency (please specify). Communication should provide real time updates between the NRCS and the Play-out Automation system including the communication of status of play-out operations on the play list back to the run down management system, change of channel (media port), change of slug, item status (ready, cued for play-out, playing out, finished playing out ,not yet available),etc. State which if any of these are not supported via MOS.	
<b>7.2</b>	<b>HARDWAREFEATURES</b>	
	<b>1. Primary Server/Hot Stand-by Server</b>	
	Processor: Intel Dual Xeon Processor	
	Operating System:Windows server2016(64bit)/Linux (64bit)	
	System Memory: <b>Min 32GB</b>	

	System HDD :2x 300 GB SSD HDD or more(RAID1) Data HDD :4x 1TBHDD(RAID5) NIC : Dual 1 Gbps NIC	
	Power Supply: 1+1powerSupply	
	<b>44. Wire– input System</b>	
	Processor: Intel i7Processor	
	Operating System: Windows 10(64bit)/Linux(64 bit)	
	System Memory :8GB DDR4	
	System HDD : 500 GB SSD SATA	
	NIC: Gigabit Ethernet NIC	
	<b>45. Journalist Client</b>	
	Processor: Intel Corei7 Processor	
	RAM: minimum 8GB DDR4	
	Operating System: Windows10 Genuine	
	NIC: 1Gbs NIC	
	HDD :500 GB SSD ,21.5” (1920x1080 resolution) display, Keyboard and Mouse	
<b>8.0</b>	<b>SPECIFICATION OF MEDIA ASSET MANAGEMENT(MAM):</b>	
<b>8.1</b>	<b>GENERAL FEATURES</b>	
	1. The proposed MAM system should support Main and Backup architecture	
	2. The proposed MAM should be able to seamlessly integrate with LTO and NAS/SAN and any Storage platform.	

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	3. All users should be able to access the MAM through any standard web browser which supports HTML5	
	4. MAM should be able to look into storage elements like NAS, SAN LTO etc. and be able to recognize any new content automatically.	
	5. Users should be able to catalog and Meta tag content through MAM's web based GUI. The Meta data fields should be customized as per the Nepal TV requirement.	
	6. MAM should also automatically update metadata fields like duration, size, file format etc.	
	7. Users should have access to MAM features as set / defines by the Admin	
	8. MAM should be able to seamlessly integrate with a solution for trans-coding and should provide inbuilt trans-coding.	
	9. MAM should be able to export the EDLs to editing machines which support standard EDL import. (XML. AAF )	
	10. MAM should be able to provide rich search functions including full-text search.	
	11. The system should have Basic built in file based QC	
	12. Inbuilt Proxy and higher trans-coding support.	
	13. Archive integration with advanced API.	
	14. Automatic disk replication on archive target storage with management like clean up etc.	
	15. Copy or moving media from one project to another directly from WEB Interface.	
	16. Download file from MAM to a local station.	
	17. Upload files to MAM ( storage ) from any location	
	18. Automatic Program segmentation.	
	19. Full file management from WEB GUI , like Rename, delete,	

	20. The Proposed MAM should support Sequence editing	
	21. The MAM system should have possibilities to add Markers with meta data on each frame	
	22. It should be Fully MOS compliant	
	23. Possibilities to send shared link with content for viewing	
	24. The offered MAM solution should be scalable and provide integrated content management	
	25. The proposed MAM should be able to seamlessly integrate with the Station automation via MOS or API	
	26. All 10 users should be able to access the MAM through any standard web browser which supports HTML5	
	27. MAM should be able to process the new content automatically as per pre-defined workflow like proxy generation, content movement etc.	
	28. MAM should be able to automatically generate thumbnail images	
	29. MAM should be able to provide rich search functions including full text search.	
<b>8.2</b>	<b>MAM Modules:</b>	
	(i) Media Asset Viewer with proxy preview.	
	(ii) Inbuilt Transcoder	
	(iii) MOS module	
	(iv) File ingest Module with P2 /XDCAM support	
	(v) EDL Module	
	(vi) Proxy sequence Editing	
	(vii) Metadata Tagging	
<b>8.3</b>	<b>HARDWARE FEATURES:</b>	
	(i) <b>MAM Server–Main and Back-Up</b>	
	Processor : Dual XEON Processor, 8C /16 T	

	minimum	
	RAM :Min 32 GB Memory	
	Operating system : Windows 2016 STD (64 bit)	
	Storage :2 x 1TB HDD RAID 1	
	Network : Dual 1000Base T Ethernet	
	Dual Redundant Power supplies	
	RAID Controller	
	<b>(ii) Proxy Generation and File QC Server</b>	
	Processor : Dual XEON Processor, 8C /16 T minimum	
	RAM : minimum 32GB Memory	
	Operating system : Windows 2016 STD (64 bit) Storage :1TB HDD	
	Network : Dual 1000Base T Ethernet	
	Dual Redundant Power supplies	
	<b>(iii) MAM Clients</b>  Processor : Intel i7 Processor RAM : minimum 8 GB Memory Operating system : Windows 10 professional (64 bit) Storage :500 GB SSD	

	<p>Network : 1000Base T Ethernet</p> <p>21.5" Monitor 1920 X 1080, with keyboard and mouse</p>	
<b>9.0</b>	<b>DIGITAL ARCHIVES:</b>	
<b>9.1</b>	<p><b>Archive Hierarchical Storage management</b></p> <ul style="list-style-type: none"> <li>-The proposed HSM should manage Robotic LTO tape libraries</li> <li>-The system should have Native Compatibility with Most Applications</li> <li>-This proposed solution should be proven across the world and designed for multichannel Networks</li> <li>-The solutions should have Fast Archiving and Restores</li> <li>-The System should perform Partial Restores with LTO</li> <li>-The system should have Industry Standard File Security</li> <li>-The system should have facilities to manage Unlimited Externalized Cartridges</li> <li>-Should be robust and support strong File Version Control</li> <li>-The system can scale to multiple PB of Library Capacity</li> <li>-The system should support for Integration with 3<sup>rd</sup> Party via API.</li> </ul>	
<b>9.2</b>	<p><b>LTO Tape Library</b></p> <ol style="list-style-type: none"> <li>1. The proposed Library should have minimum 80 slots in slot magazines which are easily removable for bulk load and unload.</li> <li>2. The proposed solution should have minimum 4 slot I/O port</li> <li>3. The proposed solution should include HSM to manage the LTO library</li> <li>4. Should be compatible with Fiber Channel &amp; SAS to enable high performance across your network and your backups</li> </ol>	

	<ol style="list-style-type: none"> <li>5. Supports all available generations of LTO Drives. Should be backward compatible</li> <li>6. Available through the library's on-board LCD color touch screen and remote web access.</li> <li>7. Provisioning of Front panel LCD display and Remote web browser display functions for navigation and configuration</li> <li>8. Provision for Step-By-Step Configuration Wizards to configure various library settings</li> <li>9. The System should support Auto-connecting functions for user-installable tape drives. Should support Auto-discovery of all components</li> <li>10. RMI browser-based remote library manager</li> <li>11. LCD control panel and menu system for easy installation, configuration, operation and maintenance and Integrated barcode scanner</li> </ol>	
	<p><b>HSM Hardware Specifications</b></p> <ol style="list-style-type: none"> <li>a. Processor: Intel Two Xeon 8 cores</li> <li>b. RAM: Minimum 64 GB</li> <li>c. Hard Drive: OS – 2 x 300 GB 10K SAS HDD (mirror)</li> <li>d. Required Cache SAS Disk to support the tape library and Workflow (Minimum 60TB usable with RAID 50)</li> <li>e. Operating System: Windows server 2016</li> <li>f. NIC: Quad Gigabit NIC and two 10GbE ports</li> <li>g. Server with Redundant power supply SAS HBA to be supplied</li> </ol>	
	<p><b>LTO SERVER AND STORAGE MEDIA</b></p> <ol style="list-style-type: none"> <li>a. No of slots: 80</li> <li>b. Drive supported: LTO 8 half height</li> <li>c. Drives (R and W) – minimum 4 Drives SAS or FC</li> <li>d. 840 TB Licensed Near line LTC capacity</li> <li>e. 50 Additional barcodes</li> <li>f. Cleaning Cartridge</li> <li>g. Should not be effected by magnetic radiation</li> <li>h. 19" Rack mountable with standard Rack mount KIT</li> </ol>	
<b>10.0</b>	<p><b>SPECIFICATIONS OF LAPTOP:</b></p> <ol style="list-style-type: none"> <li>a. Processor: Intel Core i9</li> <li>b. Hard Drive: 500GB M2 SSD + 1TB HDD</li> <li>c. Motherboard : Compatible motherboard</li> <li>d. RAM: Min 16 GB</li> <li>e. Audio and Graphics: 8GB Nvidia graphics</li> <li>f. Display: (14" FHD, 1920 x 1080 )</li> <li>g. Ports: Min 3 USB, 1 Gigabit Ethernet port OS: Licensed Windows 10 professional</li> </ol>	

<b>11.0</b>	<b>BROADCAST MANAGEMENT SYSTEM (BILLING SOFTWARE)</b>	
	<p><b>Software Features</b></p> <p>The BMS system should be a menu driven enterprise Ad Scheduling and Billing software. It should have various modules associated with respective departments involved in Ad-Scheduling, Log Making and Billing. The system should generate the final log as per the needs of the play-out system. The offered system should have an MIS system with comprehensive reporting and customized reporting.</p> <p>The System should be user-friendly Traffic Scheduling and Invoicing software a ready to use solution for Broadcasters. The modules are in association with the departments involved in the Process like Content Acquisitions, Content Planning, Log Preparations, Reconciliations, certificate issuing, accurate Invoicing and Reports.</p>	
	<p>Programming: Programming Module that takes care of Program master and segment creation. The base of this module should produce the Fixed Program Chart daily or advance basis. It should also contain all the details of the Channel i.e. Program time slots, Movies for the month, all permanent and temporary program changes, and all episode &amp; sponsorship details of programs telecasted. It should also generate all FPC related reports</p>	
	<ul style="list-style-type: none"> <li>• Scheduling System: The Transmission log, which runs the channel, has to be generated and sent to transmission center daily for all the channels. The log is the heart and soul of the channel operation. It contains second to second information of what events should run on the channel on the specified date. The system should also generate all Scheduling related reports.</li> </ul>	
	<ul style="list-style-type: none"> <li>• Sales Administration System: The Sales Administration System records all Release Orders, Reschedules and Cancellations of commercial bookings. It also keeps track of all Client-Agency-Brand-Commercial linkages, various payment routes, etc. The system also generates all</li> </ul>	

	Commercial Bookings related reports.	
	<ul style="list-style-type: none"> <li>• Billing System: The Billing system automatically matches all booked commercials with those that are actually telecasted and generates weekly billing with required audit. It also generates all reports required for billing.</li> </ul>	
	<ul style="list-style-type: none"> <li>• MIS Application: The MIS module handles comprehensive reporting for individual departments like programming, credit control, scheduling and billing. The reports are customized as per the needs of the client. The MIS module also encompasses and user driven reporting tool where the user puts in combination of values to pull out a report.</li> </ul>	
	<ul style="list-style-type: none"> <li>• At the end of all process the software should generate the complete log containing all commercials booked and promotional items for the day as per the atomization requirement.</li> </ul>	
	<ul style="list-style-type: none"> <li>• The As run log generated by automation is imported into the system, discrepancies if any are separated and Invoicing and Telecast Certificates is processed along with the actual time of Air. The Reports inbuilt to cater the needs of the industry</li> </ul>	
	<p>MODULES</p> <ul style="list-style-type: none"> <li>• User rights Management</li> <li>• Planning</li> <li>• Sales</li> <li>• Traffic</li> <li>• Log-Making</li> <li>• Scheduling</li> <li>• Reconciliations</li> <li>• Billing</li> <li>• MIS</li> <li>• Program Acquisition</li> <li>• Creating Certificate</li> <li>• The System should be Admin controlled system using user access management with audit proof system</li> <li>• The System should have easy, fast scheduling with drag drop options</li> <li>• The system should have Client-Server Model</li> <li>• Content like Programs can be captured and managed efficiently and fast search engine</li> <li>• The proposed solution should have unlimited user access</li> <li>• The Release order can directly import using standard</li> </ul>	

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	<p>excel format</p> <ul style="list-style-type: none"> <li>• Multiple items insert/delete options enable fast scheduling option are available</li> <li>• Should show a Standard rate card</li> <li>• Third party Integration using Excel, XML, TCP/IP, .CSV, .txt etc.</li> <li>• Has Accurate Contracts Reconciliations</li> <li>• Has Easy invoice generation</li> <li>• Should have Integrations with all major play outs, which supports third party integrations.</li> <li>• Invoices and all reports can be converted to .PDF, Excel formats</li> <li>• MIS based on all entry points</li> <li>• Should Support Multi currency if the user wants to use it.</li> <li>• Maintains Quality Check and Material Ingest information</li> <li>• Accurate Contract Revenue Reconciliations</li> <li>• Automated complete playlist reconciliation for all traffic items (Adverts, Promotional intersect.)</li> <li>• Should work on all major operating systems.</li> <li>• Should support Local network or Internet operation</li> </ul>	
	<b>HARDWARE SPECIFICATION:</b>	
	<p><b>TRAFFIC /BILLING SERVER</b></p> <ol style="list-style-type: none"> <li>a. Processor: Intel XEON Processor ,8 C/16 T</li> <li>b. Hard Drive: 2 x 1TB (RAID 1)</li> <li>c. Motherboard : Compatible motherboard</li> <li>d. Power supply : Redundant power supply</li> <li>e. RAM: Min 32 GB</li> <li>f. NIC: Dual Gigabit Ethernet port</li> <li>g. RAID Controller</li> <li>h. OS: Licensed Windows Server 2016 STD</li> <li>i. Other License if any</li> </ol>	
	<p><b>TRAFFIC /BILLING CLIENTS</b></p> <ol style="list-style-type: none"> <li>a. Processor: Intel Core i7 Processor</li> <li>b. Hard Drive: 500 GB SSD</li> <li>c. Motherboard : Compatible motherboard</li> <li>d. RAM: Min 8 GB</li> <li>e. Audio and Graphics: Inbuilt</li> <li>f. Display: (21.5" FHD, 1920 x 1080 )</li> <li>g. Ports: Min 2 USB, 1 Gigabit Ethernet port</li> <li>h. OS: Licensed Windows 10 professional</li> </ol>	
<b>12.0</b>	<b>SPECIFICATION OF NON LINEAR EDITING</b>	

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<b>12.1</b>	<b>SOFTWARE FEATURES</b>	
	<p><b>Video Editing :General Features</b></p> <p>Proposed Editing system must be professional AV timeline-based video editing toll with all Broadcast codec support and to be usable in news and program multilayer editing. In case of Subscription model bidder to quote not less than 36 months.</p> <p>General Features</p> <ul style="list-style-type: none"> <li>-Expanded edit mode</li> <li>-User Interface Enhancements</li> <li>-Project Media updates</li> <li>-Timeline editing and trimming enhancements</li> <li>-Edit properties for multiple Video files</li> <li>-Auto –prompt to match project to Media</li> <li>-Advanced user interface with layout presets, flexible window</li> <li>-the editing system should have various motion effects like freeze, filed interpolated slow and fast motion, storing in forward reverse etc.</li> <li>- it should have facility for color correction, real time 2D/3D DVE effects including X,Y,Z axis rotation.</li> <li>-The system should be capable of controlling VTR via Fire wire.</li> <li>- Should support uncompressed and compressed video</li> <li>-Simple drag and drop operations</li> <li>-Intuitive multi cam editing workflow</li> <li>-Timeline trimming with keyboard or mouse</li> <li>-A/V synchronization detect and repair</li> <li>-Customizable keyboard shortcuts</li> <li>-Real time editing</li> <li>-Multi-track video editing on unlimited tracks</li> <li>-Supports multiple file formats and frame rates on the timeline with no trans-coding required</li> <li>-Audio recording ,editing and mixing on unlimited tracks</li> <li>- closed captioning support</li> </ul>	

	<ul style="list-style-type: none"> <li>-AAF import /export</li> <li>-A/V synchronization detection and repair</li> <li>-High definition editing and output</li> <li>-Dual monitor support</li> <li>- System should be compatible with EDL import and exports</li> <li>- system should have a vector scope display and waveform display in built in the software</li> <li>-Streaming support for rendered AVC/MP4 files</li> <li>-AVC/AAC support</li> <li>-MPEG- 1, MPEG -2 and MPEG -4 support</li> <li>-Edit on 23.976, 24, 25, 29.97 or 30 fps timelines</li> <li>-Unlimited undo/redo</li> <li>-Panasonic P2 support, XDCAM</li> <li>-Support for AVCHD 2.0 standard</li> <li>-Capture directly to XDCAM-compatible MXF files from supported SD/HD-SDI sources</li> <li>-Native support for XDCAM EX , AVCHD and other tapeless</li> </ul>	
<b>12.2</b>	<b>HARDWARE SPECIFICATIONS:</b>	
	<ul style="list-style-type: none"> <li>• -Intel XEON 3.8 Ghz or More, 8 Core /16 T</li> <li>• -512GB SSD drive NVMe M.2 (Operating System)</li> <li>• -4TB Hard disk 7200 rpm ( Data Backup)</li> <li>• -32GB RAM</li> <li>• -24” display monitor (2 sets)</li> <li>• -OHCI compatible IEEE -1394 DV card</li> <li>• - NVIDIA PNY Quadro P4000 8GB GDDR5 PCIe3.0-ActiveCooling (Edit software Certified).</li> <li>• USB keyboard and optical Mouse</li> <li>• DUAL 10 G base T NIC(Mandatory)</li> <li>• Workstation with System power supply</li> <li>• Microsoft Windows ®10 Professional 64 bit operating system</li> <li>-Standard Accessories like headphone and speakers</li> </ul>	
<b>13</b>	<b>Digital Logger</b>	
	<ul style="list-style-type: none"> <li>• Single channel and multiple channels configurations</li> <li>•Compatible with WDM Tuner cards, DVB-T, DVB-S/S2, DVB-C, ATSC, analog TV</li> </ul>	

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	<ul style="list-style-type: none"> <li>• Compatible with BMD Deck link and Intensity Ip input in UDP, RTP, RTSP, RTMP, HTTP</li> <li>• Capture resolutions CIF, SD and HD</li> <li>• Input rescales and crop with aspect ratio correction</li> <li>• Audio delay for AV sync shifting</li> <li>• Continuous 24/7 recording without any frame loss between file segments</li> <li>• Formats AVI (DivX), ASF (Windows media), MPEG1, MPEG2, MP4 (H264 and AAC), FLV</li> <li>• Customizable video and audio bitrates and advanced parameters</li> <li>• Customizable segmentation per file duration (typically 60 min), file size or at midnight</li> <li>• Automatic delete of oldest files when disk space is low</li> <li>• Virtual source creation for use with 3rd party sw (encoders, etc) Ip streaming in WMV and RTMP (FMLE) CG overlay with anti-aliased text for name of channel, date and time</li> <li>• Logo overlay for watermarking</li> <li>• Volume adjustment with compressor and AGC</li> <li>• Alarm notification via E-mail for black video, freeze, no audio, archive length, etc.</li> <li>• Accurate statistics on capture process and data rates</li> <li>• Data security featuring RAID architecture or software mirror, content is preserved in case of disk failure</li> <li>• Remote system monitoring from any LAN or Internet connected Pc. <ul style="list-style-type: none"> <li>• Easy content export/conversion with Mark-In and Out points. Flexible trans-coding to most of video formats</li> </ul> </li> <li>• Multiple language GUI</li> <li>• Should records A/V contents coming from the widest variety of sources (composite, Y/C, SDI, HDMI etc) and stores them on Hard Disk (recordings stay on line depending on hard disks capacity, usually: 30/60/90 days as required by laws in many countries).</li> <li>• The system should be totally maintenance free and oldest recordings are overwritten by the newest ones automatically. Video compression/quality varies according to the archive space and the logging period</li> </ul>	
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	<p>chosen. Recording quality may be as high as HD BROADCAST quality. Content is accessible from the Logger as well from any networked computer, never stopping the recording</p> <ul style="list-style-type: none"> <li>• Logger should have future provisional support Copy software which copies files from multiple Logger recorder units to centralized storage systems. In multiple channel systems it is advised to save to a central storage unit with RAID 5 or 6 redundancies rather than on the single capture units.</li> <li>• Each proposed server should be capable of expanding up to 4 HD SDI Video logging per server chassis.</li> <li>• System requirements may vary on number of captured channels and video quality.</li> <li>• Intel i-7 or better, Min 8 GB RAM</li> <li>• Win 10</li> <li>• Separate disk partition for each channel with 90 days of recording</li> </ul>	
<b>14.0</b>	<b>KVM</b>	
	<p>Proposed KVM must support 16 ports connection &amp;expandable with daisy chain adding additional units. OSD, Hotkey, Pushbuttons</p> <p>Console Ports: 1 x HDB-15 Female (Blue), 2 x USB Type A Female, 1 x 6-pin Mini-DIN Female (Purple), 1 x 6-pin Mini-DIN Female (Green).</p> <p>KVM Ports: 16 x RJ-45 Female with Daisy Chain Ports 1xDB25M, Firmware Upgrade</p> <p>Panel Spec: 19" TFT-LCD, 1280 x 1024 @ 75 Hz with panel response time 5ms.</p> <p>Viewing Angle: 170° (H), 160° (V)</p> <p>Support color: 16.7M colors</p> <p>Contrast Ratio: 1000:1, Luminance 250cd/m2</p> <p>Input Video Resolution: 1920 x 1200 @ 60 Hz with Scan Interval 1-255 Seconds.</p> <p>Environmental:</p> <p>Operating Temperature: 0 - 40°C</p> <p>Storage Temperature : -20 -60°C</p>	

	<p>Humidity: 0–80% RH, Non-condensing</p> <p>Physical Properties: Housing Metal</p> <p>Mount: Rack Mountable</p>	
<b>15.0</b>	<b>SPECIFICATIONS OF MONITORING SYSTEMS:</b>	
	<p><b>MULTIVIEWER</b></p> <ol style="list-style-type: none"> <li>1. Multi viewer should be Open Gear modular.</li> <li>2. It should accept 16 3GHD and SD- SDI with embedded audio &amp; PAL input to multiplex them on single screen.</li> <li>3. It should be possible to expand, increase number of inputs to a minimum of 40 inputs by cascading the outputs on a single frame</li> <li>4. It should support Output resolution up to 1920 x 1080.</li> <li>5. It should be possible to configure the screen easily by simple operations</li> <li>6. It should allow the labeling of the under monitoring display UMD and tally. Should support minimum 30 character label per window</li> <li>7. Should support Borders, Labels, Tallies, Audio meters, Alarm tags, Safe area markers to show on the on screen display</li> <li>8. It should also allow to reconfigure the borders of each inputs, configuration of the tallies and alarms also</li> <li>9. It should also support third party static or dynamic UMDs</li> <li>10. No. of Input - 16 No. expandable 75 ohms, BNC, nominal 0.8Vp-p±10%</li> <li>11. Input Return loss : &gt; 15 dB up to 1485Mbps No. of Outputs: 1 nos. HDMI and SDI support with resolution up to 1920X1080</li> </ol>	
	<p><b>MULTIVIEWER DISPLAY</b></p> <ol style="list-style-type: none"> <li>1. Size:55 inch 24x7 operational monitor LED</li> <li>2. Display Resolution: Full HD 1920 x 1080</li> <li>3. Viewing Angle:180 degree Terminal:</li> <li>4. USB, HDMI, Composite In,</li> <li>5. Power Requirement: Power Consumption 220 V + 40 V, 50 Hz &lt; 200 W</li> <li>6. Remote Controller, Cables and connectors</li> <li>7. Brightness: 450 cd/m<sup>2</sup></li> <li>8. Contrast ratio (typical): 1100:1 Dynamic contrast ratio: 500,000:1</li> </ol>	
<b>16.0</b>	<b>SPECIFICATION OF PERIPHERAL GLUES:</b>	

16.1	<p><b>Specifications for Analog Video Distribution Amplifier:</b></p> <p>Key Features:</p> <ul style="list-style-type: none"> <li>• Single 1x8 distribution amplifier</li> <li>• <math>\pm 3</math>dB of gain adjustment</li> <li>• 26ns propagation delay</li> <li>• Differential input for ground loop hum rejection</li> <li>• Clamping speed selectable</li> <li>• Single-control equalization for quick installation</li> <li>• Supports tri-level sync distribution</li> </ul>	
16.2	<p><b>Specifications for Analog Audio Distribution Amplifier:</b></p> <ul style="list-style-type: none"> <li>• 1x8 analog audio distribution</li> <li>• +/- 15dB software gain control</li> <li>• Summing capability</li> <li>• Low distortion</li> <li>• Supports timecode (LTC) distribution</li> <li>Balanced I/O</li> </ul>	
16.3	<b>DIGITAL DISTRIBUTION AMPLIFIER</b>	
	<p>Key Features:</p> <ul style="list-style-type: none"> <li>• High density 1x8 3G / HD / SD SDI re clocking distribution amplifier with A/B input failover protection.</li> <li>• Input EQ 3G- 120m @2.97Gb, HD – 200m @1.485Gb, SD -500m @270Mb</li> <li>• A/B input failover protection</li> <li>• Automatic detection of incoming data rate</li> <li>• Equalizes and re clocks all SDI signals from 143Mb/s to 2.97Gb/s</li> <li>• Excellent input / output return loss specifications</li> </ul>	
16.4	<p><b>Specifications for Analog Audio Embedding-Multiplexer</b></p> <ul style="list-style-type: none"> <li>• Analog audio embedding for all popular HD / SD SDI formats</li> <li>• Analog gain processed entirely in the analog domain</li> <li>• Audio proc amp controls; gain, invert, delay and sum</li> <li>• Full control over channel assignments, primary</li> </ul>	

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	<p>and backup sources</p> <ul style="list-style-type: none"> <li>• Configurable overwrite and append capability for existing embedded audio</li> <li>• Programmable video output on SDI input loss</li> <li>• Backup audio insertion on audio input loss</li> <li>• Programmable silence detection and timeout thresholds</li> <li>• No audio breakout cables required</li> <li>• Should support 4 Channel analog Audio input.</li> <li>• Number of outputs : embedded HD SDI output 1</li> </ul>	
<b>16.5</b>	<p><b>Specifications for Audio De-Embedding-De-Multiplexer</b></p> <ul style="list-style-type: none"> <li>• Analog audio de-embedding for all popular HD / SD SDI formats</li> <li>• Audio proc amp controls; gain, invert, and delay</li> <li>• Analog gain processed entirely in the analog domain</li> <li>• Assign any embedded channel to any discrete audio output</li> <li>• Ability to re-map channels in embedded video stream</li> <li>• Programmable video output on SDI input loss</li> <li>• Silence output on loss of audio input</li> <li>• Programmable silence detection and timeout thresholds</li> <li>• No audio breakout cables required</li> <li>• Should support at least 1 Video HDSDI input.</li> <li>• Number of outputs : 4 Chanel Analog audio output</li> </ul>	
<b>16.6</b>	<p><b>Specifications for Rack Frame</b></p> <p>(a) The Rack frame should support open gear concept and should be compatible to the cards manufactured by other vendors. It should be modular frame architecture.</p> <p>(b) It should allow a mix and match any signal types with appropriate rear modules.</p> <p>(c) Rack should have aerodynamic design with suitable Fans to give the required airflow through frame to cool, reduce heat buildup for 24X7 working. It should have adequate filters to clean the incoming air and remove dirty/dust particles. Filters should be easy to approach and cleanable.</p> <p>(d) It should be supplied with auto switchable redundant Power supply.</p> <p>(e) Rack frame should have the capacity to support at least 10 cards each with 8 outputs BNC. Power should</p>	

	<p>support the working of all the ten/twenty cards (in case of four out puts) and should not be more than 150 watt.</p> <p>(f) It should also be equipped with 10/100 Mb Ethernet interface to allow for the remote control &amp; monitoring of the various parameters of the signal cards with the help of supplied software and laptop/computer.</p>	
<b>17.0</b>	<b>SPECIFICATION OF INSTALLATION MATERIAL:</b>	
<b>17.1</b>	<p><b>Technical Furniture for Ingest</b></p> <p>The decking should be a structured system enabling bespoke desk configuration from a number of veneered MDF 19" base sections, rear equipment pods and work surfaces, providing an ergonomic working environment for control rooms of any size.</p> <p>Features include heavy duty cable management, a variety of 19" racking pods and flat screen mounting solutions. All rear surfaces and equipment pods are interchangeable to allow easy re-configuration of the working environment</p> <p>Features</p> <ul style="list-style-type: none"> <li>• 120cm and 93cm deep base sections</li> <li>• Cable management throughout desk</li> <li>• Full length brush strip cable outlets</li> <li>• Removable front and rear access doors</li> <li>• Internal 19" racking</li> <li>• A variety of 19" equipment pod options</li> <li>• Flat screen mounting solutions</li> </ul> <p>The desk top veneer color to be selected later based on the color schemes available with the Manufacturer without any additional cost to NTV</p>	
<b>17.2</b>	<p><b>Equipment Rack</b></p> <ul style="list-style-type: none"> <li>•Dimension: 42 RU 600mm(W) x 1000mm(D) x 2000mm(H)</li> <li>•19" Mounting Channel with "U" Indicator</li> <li>•Cooling System: Inbuilt 4 cooling fans</li> </ul>	

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	<ul style="list-style-type: none"> <li>•Dual Vertical Inbuilt power distribution system</li> <li>•Bottom Cover with Cable Entry Provision</li> <li>•Perforated Front Door with Lock</li> <li>•Removable Side Metal Door with Lock</li> <li>•Perforated Rear Door with Cam Lock</li> <li>•L Shaped Chassis Runner</li> <li>•Cable Tray</li> <li>•Copper Earthling Bar</li> <li>•M6 Cage Nut &amp; Screw with Washer</li> </ul>	
17.3	<p style="text-align: center;"><b>PATCH PANEL:</b></p> <ul style="list-style-type: none"> <li>• 24/32 ports Serial Digital Video (SD/HD-SDI).</li> <li>•75Ohm Digital Video Patch bay</li> <li>• Light Weight Alloy Body &amp; Easy Front Mount Assembly</li> <li>• DC to 3.0GHz greater than 10dB Return Loss</li> </ul>	
	<p style="text-align: center;"><b>Video Cable:</b></p> <ul style="list-style-type: none"> <li>• HD-Serial Digital Video.</li> <li>• SMPTE 259M, 292M,424M.</li> <li>• Solid Copper Center Conductor.</li> <li>• Foam PE Dielectric.</li> <li>• Tinned Copper Braid + 100% Foil Shield.</li> <li>• Dielectric strips away clean from Conductor.</li> <li>• 100% Sweep Tested.</li> <li>• Connector: True 75 ohm construction Crimp Pin &amp; Sleeve SMPTE 424M &amp; 292M Compliant</li> </ul>	
	<p><b>Audio Cable</b></p> <ul style="list-style-type: none"> <li>•Two-Conductor Shielded Cables (Single) Aluminum Foil Shield</li> <li>• 100% Foil Shield Coverage w/Drain Wire.</li> <li>•Built in DuPont® Kevlar 29 and Drain Wire.</li> <li>•Cross Linked PE Insulation.</li> <li>•Reduced Handling Noise</li> <li>•Rejects EMI and RFI.</li> </ul>	
	<p><b>UTP Cable: CAT 6 cable with 10 G Support, RJ 45 compatible connectors to Support 10G, RJ 45 Network Modules and patch panels.</b></p>	

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	END OF TECHNICAL SPECIFICATIONS SECTION	

Bidders shall include Compliance Statement in each and every technical clause of all three chapters. Bidders shall also include sufficient documentation such that Nepal Television can validate the compliance statements. In the statement of compliance, the bidder shall state:-

- (a) **Fully Compliant (FC):** If the offer of Bidder fully meets the Tender requirement.
- (b) **Partially Compliant (PC):** If the offer of Bidder meets the requirement partially. The bidder shall state the reason why the offer is partially compliant. However, if the bidder is able to fulfill the specified requirement later, the time schedule for this shall be stated. In such case, the bidder shall clearly mention the extent to which other requirements or specifications are affected.
- (c) **Non-Compliant (NC):** If the offer of Bidder cannot meet the requirements. The bidder shall also state reasons for it.
- (d) Compliance statements such as ‘Agreed’, ‘Noted’, ‘OK’, Tick mark, Do (") and ‘Understood’ etc. shall not be acceptable and shall be considered “Non-Compliant”.

Bidders shall mention, along with the compliance statement, the relevant *Clause No., Page No., Chapter/ Section/ Volume* of the offered bid document and/ or the brochure and catalogue, wherever applicable, for the purpose of verification of their commercial and technical compliance statement.

- In case of **absence** or **unclear statements** of compliance for any specified requirement, Nepal Television (NTV) will interpret that particular requirement as being "**Non-Compliant**"

If the bidder has stated ‘**Fully Compliant**’ against technical clauses with comments resulting in material deviation, such statement shall be considered as "**Non-Compliant**".

- If the bidder has stated partially compliant or non-compliant to some of the clauses, the successful bidder shall provision for all such requirements and make the bid fully compliant to all Nepal Television (NTV) requirements at the time of Signing of Contract.
- Deviation in the clauses marked with \* shall be considered as major deviation and the bid shall be rejected.

In order to assist the evaluation process, the bidders shall mention the relevant Clause No., Page No., Chapter/ Section/ Volume of the offered bid document and/ or the brochure and catalogue, wherever applicable, for the purpose of verification of their technical compliance statement.

#### 4.0 ISSUANCE OF CERTIFICATE:

<b>1.1. Issuance of Provisional Acceptance Certificate (Factory Acceptance Test Report) (PAC)</b>		
1.1.1.	Upon receipt of invitation for PAT confirming the completion of installation, testing and integration of supplied system, NTV shall form Provisional Acceptance Test team within 7 working days from the date of receipt of such invitation letter and complete the PAT within 30 days from the date of team formation. Nepal Television (NTV) with the support of Supplier shall complete PAT and submit the PAT report within 30 days from the date of formation of team. After successful PAT, the team submits the PAT report mentioning all the pending deficiencies (if exists). PAT also includes the physical verification of the goods as per Section V: Schedule of Supply, Section IV: Price Schedule and Bill of Quantities (BOQ).	
1.1.2.	<b>Provisional Acceptance Certificate(PAC)(Factory Acceptance Report)</b>  After successful completion of Provisional Acceptance Test ,Provisional Acceptance Certificate(PAC) shall be issued within 7 days.	
1.1.3.	The Provisional Acceptance Certificate shall be issued only if the above integration with NTV entities are successfully performed without any major deficiencies.  If one or more of the following major deficiencies are found during acceptance testing, bidder will be notified to rectify all major deficiencies.  The bidder shall re-invite NTV to carry out PAT.	
1.1.4.	<b>Major deficiencies</b>  Malfunctioning of any of the following shall be considered as major deficiency:  a) System incapability to meet major requirements (*) specified in the contract b) System incapability to meet specific performance indicators and volume capacity specified in the contract c) System start-up (initialization), reload and restarts of any one of the system level processors d) System start-up and shut down, database and application loading e) Power off and on of the system and Redundant Power Units f) Rating and Charging g) Integration with network elements, and mediation devices. h) Processes non-functioning/ erroneous due to simultaneous processing of online and batch processes in various modules. i) System backup and restore and processing reports from archived media j) Data backup at various levels, restore, removal of usage data to backup media and restore	

	<p>k) Management and Administration of system functionalities, logs and history keeping.</p> <p>l) Varying output results on processing same data, performing same queries and generating reports</p> <p>m) Data Migration &amp; unpredictable/unaccountable and erroneous reporting on data migrated against source data</p> <p>n) Non-delivery of documents, licenses.</p> <p>o) Errors/ malfunctioning of existing network/ systems due to the new system</p> <p>p) Incorrect invoices and reports and online tests</p> <p>q) Parallel Run Tests</p> <p>r) Interfaces to the external systems</p> <p>Apart from above mentioned items, any action/function which affects the services, system operations shall be considered as major deficiency</p> <p>i) Online/ offline/schedule mode xDRs collection from multiple sources of various networks</p> <p>ii) Automated matching and reporting on output data against Input data, each record to be accounted for, erroneous output data</p> <p>iii) Integration with network elements, billing systems</p> <p>iv) Integration of mediation and interconnect systems through standard protocols</p> <p>v) Execution of processes like rating, rerating, invoice generation and partner ledger posting, partner invoice, xDR verifications</p> <p>vi) System backup and restore from archived media</p> <p>vii) Data backup at various levels, restore, removal of usage data to backup media and restore</p> <p>viii) Management and Administration of system functionalities, logs and history keeping.</p> <p>ix) System start-up (initialization), reload and restarts of any one of the system level processors</p> <p>x) System start-up and shut down, database and application loading</p> <p>xi) Varying output results on processing same data, performing same queries and generating reports</p>	
1.1.5.	If major deficiencies which affect the immediate commercialization of the system are found during the PAT, the date when such major deficiencies are cleared, verified and confirmed by the PAT Team is considered as completion of the installation, testing and integration of the system.	
1.1.6.	In case of non-delivery of minor goods, which do not affect in immediate commercialization of the System, the PAC shall be issued with list of non-delivered minor items and with the condition that the non-delivered items shall be delivered before the completion of Stabilization Period. The rules of Liquidated Damages shall be applied for the non-delivered goods as per clause no 26.1 of section VI, GCC and section VII, SCC.	
1.1.7.	Issuance of Provisional Acceptance Certificate will not prejudice any claim with respect to any defect or malfunction, which may	

	subsequently develop during the operation of the system during Stabilization, Warranty Period.	
1.1.8.	<p>If major deficiencies are found during the Acceptance Testing, the migration of existing roaming billing system data will not be started. However, if the major deficiencies do not affect basic services, then NTV will have full authority to start migration and cutover process.</p> <p>If the deficiencies that do not affect the immediate commercialization of the System are observed during the PAT, those deficiencies shall be mentioned in the PAT report and shall be corrected within Stabilization Period.</p> <p>Under such circumstances, the bidder shall fully support NTV for migration and cutover and is required to make the basic functions and services ready for putting the system into service and provide maintenance service (Technical support and maintenance of Hardware and Software) from the date that the system is put into service, at no additional cost to NTV.</p> <p>In this case, Provisional Acceptance Certificate will not be issued. PAC will be issued only after clearance of major deficiencies.</p>	

<b>1.2. Stabilization Period</b>		
1.2.1	The Stabilization Period for the offered system shall start after the date of issuance of PAC.	
1.2.2	<p>The Stabilization Period shall be considered to be complete when each of the following criteria has been met during one consecutive 30 days period:</p> <ul style="list-style-type: none"> <li>i.No single outage during the Stabilization Period shall exceed 30 minutes and the full facilities of the system shall be available for more than 99.99% of the time.</li> <li>ii.No major problem shall arise during this period.</li> <li>iii.All deficiencies noted during provisional testing and any other faults noted shall be resolved.</li> <li>iv.Supplier's technical expert shall be available all the time to solve the problem. Minor problems shall be rectified within 24 hours.</li> </ul> <p>Another Stabilization Period of Fifteen (15) consecutive days shall be put into effect from the last date of occurrence of the fault / outage or failure without additional cost to NTV if all the requirements mentioned in the preceding clauses are not met.</p> <p>Before completion of the Stabilization Period, the Supplier shall deploy experts of hardware on sites and in presence of NTV team, shall carry out System health check, if required tuning and optimization. A joint report shall be submitted by Supplier and NTV technical team on successful completion of the task.</p> <p>In case of Major Problem affecting processing and business, if the problem could not be solved within 12 hours with tele-assistance or remote system login by support center, system experts shall visit onsite immediately within 48 hours of reporting.</p>	
1.2.3	<p>Supplier shall be responsible for operation and maintenance of entire system during Stabilization Period.</p> <p>Supplier's technical expert shall be available all the time 24X7 to solve the problem in offered system.</p> <p>The supplier's support team shall provide regular O&amp;M reports on daily, weekly and monthly basis during the Stabilization Period.</p> <p>The contents and format of such reports shall be prepared by the supplier and approved by NTV before the start of the Provisional Acceptance Test.</p> <p>The Technical Support shall be available until the issuance of FAC.</p>	
1.2.4	<p><b>Stabilization Completion Certificate (SCC)</b></p> <p>After the issuance of PAC, Stabilization Period of consecutive 30 days</p>	

	shall commence. After successful completion of the Stabilization Period, Project Manager of Nepal Television shall issue Stabilization Completion Certificate (SCC) to the Supplier in accordance with above mentioned Clauses.	
<b>1.3. Final Acceptance Certificate (FAC)</b>		
1.3.1.	<p>NTV reserves the right to perform any test to verify if any or all the technical requirements specified in the technical specification document is correctly implemented, if necessary, before issuance of FAC.</p> <p>It shall be the responsibility of the supplier to make necessary arrangements including the test equipment to perform such tests.</p> <p>NTV will issue the Final Acceptance Certificate for the equipment after the supplier fulfills the following requirements:</p> <ol style="list-style-type: none"> <li>i. Successful implementation of all the technical requirements of Nepal Television (NTV)'s Tender Specification and other obligations as per the contract</li> <li>ii. Clearance of all the deficiencies from the Provisional Acceptance Test and clearance of all pending faults that are found on migration, operation observation and during Stabilization Period..</li> <li>iii. Arrangement of technical support and maintenance services to resolve the hardware/ software problems or any integration related problems by the supplier during the Stabilization Period,</li> <li>iv. Schedule of regular visits to the site by the hardware and software manufacturers for system health checks, preventive maintenance, performance tuning and optimization</li> <li>v. Provision of Contact Persons at various levels, online support access and procedure to escalate problems, support issues to the highest management in case of delays.</li> </ol> <p>The Final Acceptance Certificate shall not be issued until the supplier fulfills all above requirements.</p>	
1.3.2.	<p><b>Issuance of FAC</b></p> <p>After the issuance of Stabilization Completion Certificate, Final Acceptance Certificate (FAC) shall be issued within 30days in accordance with the above clauses.</p>	
1.3.3.	Issuance of Final Acceptance Certificate shall not prejudice any claim with respect to any defect or malfunction, which may subsequently develop during subsequent service periods.	
<b>1.4. Warranty Level Services with Technical Support</b>		
1.4.1.	After issuance of Final Acceptance Certificate, twelve (12) months of	

	<p>Warranty Period shall commence.</p> <p>Supplier shall perform Warranty Services as stated in this section during Warranty Period for all the offered system.</p>	
1.4.2.	NTV will issue the Warranty Completion Certificate (WCC) within 30 days after successful completion of the Warranty Period.	
1.4.3.	The supplier shall do the regular monitoring of the performance of the system, report the same to Nepal Television (NTV) and shall provide following services during the warranty period.	
1.4.4.	<p>Supplier shall depute experienced personnel for the warranty services.</p> <p>Technical support shall be provided for 24x7x365 days through on-site assistance in Nepal to remedy any deficiency that may develop.</p> <p>All the reported problems shall be solved by on-site experts or with assistance of supplier's technical support center.</p> <p>The warranty period shall be extended and the payments withheld if the services mentioned above are not provided to the satisfaction of NTV.</p>	
1.4.5.	Nepal Television (NTV) shall promptly notify the Supplier in writing of any claims arising under this warranty.	
1.4.6.	Upon receipt of such notice, the Supplier shall, with all reasonable speed, repair or replace the defective goods including software or parts thereof. The defects in the goods including software, hardware and the system shall be corrected to the satisfaction of Nepal Television (NTV). The turnaround time for replacement/repair shall not exceed fifteen (15) days. The cost of material including software, two way freights, insurance, customs and any other tax and duties during the Warranty Period shall be borne by the Supplier.	
1.4.7.	If the Supplier, having been notified of the claim, fails to remedy the defects(s) within fifteen (15) days, Nepal Television (NTV) shall take remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which Nepal Television (NTV) may have against the supplier under the contract. The cost of material, freight, insurance and any other duties during the warranty period shall be borne by the Supplier.	
1.4.8.	During the testing, if some of the items are found missing, short-supplied or damaged, the Supplier shall supply/ replace these items without any cost to Nepal Television (NTV) , and all the costs including customs and other local taxes shall be borne by the Supplier.	
1.4.9.	During the Warranty Period, the supplier shall repair (or replace with new items if applicable) all defects in the equipment (hardware and software, as applicable) and system as specified by Nepal Television (NTV), with all reasonable speed and at no additional cost to Nepal Television (NTV).	

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	The cost of material, freight, insurance and any other duties and costs during the Warranty Period such as expert visit to Nepal site, cost of both way freight for repair of faulty component/system, custom duty for importation of repaired item or replacement item etc. shall be borne by the Supplier.	
1.4.10.	The Supplier shall maintain its own spare pool so as to ease the operation and maintenance of the offered system until the expiry of the Warranty Period (if applicable).	
1.4.11.	Warranty shall also include maintenance services as specified in Section V Schedule of Supply Chapter 1: General Technical Specifications.	
1.4.12.	<p>Repair and replacement of faulty equipment shall be included in the warranty and extended warranty service.</p> <p>During this period, the bidder shall bear all the expenses for repair, replacement, two-way transportation, insurance and customs duties.</p> <p>The warranty shall cover repair and/or replacement of the defective hardware and Software product. Only genuine items produced by the original manufacturer shall be used for repair or replacement. The Warranty Period for replacement of Hardware and Software products shall be identical to the initial deployment for the defective Software product unless otherwise specified.</p>	
1.4.13.	Supplier shall provide any routine customization, up-gradation, development required by the offered system during Warranty and Extended Warranty Period at no additional cost to Nepal Television (NTV).	
1.4.14.	The supplier shall replace any server/equipment that is needed to be replaced due to End of Life (EOL) or End of Service (EOS) or End of Production (EOP) during Warranty Period, at no additional cost to Nepal Television (NTV).	
1.4.15.	<p>The supplier shall perform any up-gradation of hardware, up-gradation of software version to new version/releases, patch loading and changes in software for solving problems.</p> <p>Prior to implementing the patches/upgrade etc. permission shall be taken from NTV by submitting details of patches/upgrade to be implemented, it's effects and detailed checklist to perform the task.</p> <p>The supplier shall depute an expert on-site to implement the changes in new hardware and software.</p>	
1.4.16.	<p>"Update" means a new version of software or hardware that contains bug fixes, error corrections, or maintenance releases where applicable, but does not contain enhancements or significant new functionality not included in the original Documentation or Specifications.</p> <p>"Upgrade" means a new version of software or hardware that contains</p>	

	enhancements or significant new functionality not included in the original Documentation or Specifications.	
1.4.17. *	Until the completion of the Warranty Period, the supplier shall at all times and under all conditions be entirely responsible for the satisfactory performance of the system.	
1.4.18.	The Warranty Period shall be extended and the payments will be withheld if the services mentioned in warranty clauses and Service Level Requirements are not fully met.  The Warranty Period shall be considered successfully completed if all the repairs and support issues raised are fully resolved.	
1.4.19.	Service Level Requirement (SLR) for Warranty Service shall be, as mentioned in Clause No 4.17 of this section.	
1.4.20.	System health checks, OS, Enterprise RDBMS, application performance tuning and optimization shall be carried out at site by experts from the supplier two times in a year during the warranty period. NTV technical team and local support team shall also be involved in these tasks and joint report shall be submitted to NTV.	
1.4.21.	The supplier shall assist and/or carry out development, modification and customization of reports, the requirements of which may arise during the warranty period as part of Warranty, Extended Warranty and Annual Maintenance Services.	
1.4.22.	The supplier shall also assist and carry out interfacing of additional network elements and other third party systems during Warranty Period.	
1.4.23.	The supplier shall provide patches/updates for the system to incorporate new type of tariffs, discounting schemes and taxes if such provisions are not available in the offered systems as part of Warranty, Extended Warranty and Annual Maintenance Services.	
1.4.24.	The Supplier shall provide all product documentation, updates and new software releases within the warranty period at no additional cost to Nepal Television (NTV). The updated releases shall be compatible to system platform, database, application and freeware if used.	
<b>1.5. Project Management</b>		
1.5.1.	The supplier shall be entirely responsible for the project management. The supplier shall designate a Project Manager for the execution of the project. The project manager shall have detailed knowhow of the systems to be implemented. The Project Manager shall be fully responsible for the necessary co-ordination and execution of the entire works under the contract. The Project Manager shall also co-ordinate to resolve any non-compatibility and business configuration problems raised during implementation.	
1.5.2.	The bidder shall be responsible for all the consequences due to delay in installation and testing of the equipment.	

1.6.	<b>Miscellaneous</b>	
1.6.1.	The Supplier shall provide details of the power consumption used by each server/equipment installed at NTV site.	
1.6.2.	The offered system shall have provision to add third party equipment/system for additional service delivery and shall not violate warranty/guarantee terms.	
1.6.3.	NTV shall have full authority/leverage to reallocate the delivered equipment to one or more sites as long as it is technically possible.	
1.6.4.	If there are direct revenue losses due to system malfunction and/or negligence from the part of the Supplier, the Supplier shall compensate Nepal Television (NTV) for the same.	
1.7.	<b>Extensions</b>	
1.7.1.	The system shall be upgradable to support new features. The listed features are not the current requirements but shall be extended as per Nepal Television (NTV)'s requirements in future. The supplier shall quote for additional resources for such Up-gradation.	
1.7.2.	The offered system shall full comply with the Standard TV Studio System.	

**End of Chapter 1 and 2**

## 2. Inspection and Test

The following inspections and tests shall be performed:

1. Factory Inspection (In Plant Test): Refer to clause number 4.3 of Section V, Technical Specification Chapter 1: General Technical Specification.
2. Pre-shipment inspection: Refer to clause number 25.2 of GCC and SCC.
3. Acceptance Test: Refer to clause number 4.9 of General Technical Specification for Provisional Acceptance Test (PAT).

### **3. Issuance of Certificates**

## **Issuance of Certificates**

### **1 Issuance of Provisional Acceptance Certificate (PAC)**

After the successful installation and testing, Supplier shall invite Nepal Television for PAT. Nepal Television Corporation shall form the PAT team and commence the PAT within 7 days from the date of invitation for PAT. Nepal Television Corporation with the support of Supplier shall complete PAT and submit the PAT report within 30 days from the date of formation of team. After successful PAT, Nepal Television Corporation and Supplier jointly submit the PAT report mentioning all the pending deficiencies (if exists). PAT also includes the physical verification of the goods as per Schedule Of Requirements (SOR) of tender document.

**If the deficiencies that do not affect the immediate commercialization of the System are observed during the PAT, those deficiencies shall be mentioned in the PAT report and shall be corrected within Stabilization Period.**

In case of non-delivery of the minor goods (hardware and software which do not affect in commercialization of the System), Nepal Television Corporation shall issue the PAC mentioning list of the minor non delivered equipment and payment shall be made by deducting the price of the minor non delivered goods. **Rules of Liquidated Damages shall be imposed for delayed goods in accordance with Clause No. 12 of this section.**

However, the Supplier shall deliver all the minor goods before issuance of FAC. Payment of such delayed minor goods shall be done along with the payment to be made against the FAC of respective Phase.

After the successful completion of PAT Nepal Television (NTV) shall issue PAC within 30 days.

### **2 Final Acceptance Certificate (FAC) (Phase Wise FAC)**

Nepal Television Corporation (NTV) shall issue the Final Acceptance Certificate (FAC) within **40 days from date of successful completion of Stabilization period.**

### **3 Warranty Completion Certificate (WCC)**

Nepal Television Corporation (NTV) shall issue the Warranty Completion Certificate (WCC) within thirty (30) days after the successful completion of warranty as specified in clause no. 6 of this section.

### **4 Training Completion Certificate and Factory Inspection Certificate**

**Training Completion Certificate** shall be issued after the successful completion of respective service. Please refer to Section VIII: Technical Specification.

**Factory Inspection Certificate** shall be issued in accordance with Clause No. 17.1 of Section IV.

## **4. Annexes**

## **Annex - I**

The Bid Security, Performance Security and Advance Payment Guarantee must be furnished or counter guaranteed by one of the following banks in Nepal.

- (1) Nabil Bank Limited
- (2) Himalayan Bank Limited
- (3) Bank of Kathmandu Limited
- (4) NIC Asia Bank Limited
- (5) Machhapuchchhre Bank Limited
- (6) Prime Commercial Bank Limited
- (7) NMB Bank Limited
- (8) Sunrise Bank Limited
- (9) Nepal Credit and Commerce Bank Limited
- (10) Janata Bank Nepal Limited
- (11) Century Commercial Bank Limited
- (12) Standard Chartered Bank Nepal Limited
- (13) Nepal Investment Bank Limited
- (14) Everest Bank Limited
- (15) Siddhartha Bank Limited
- (16) Laxmi Bank Limited
- (17) Kumari Bank Limited
- (18) Nepal SBI Bank Limited
- (19) Global IME Bank Limited
- (20) Mega Bank Nepal Limited
- (21) Citizens Bank International Limited
- (22) Sanima Bank Limited
- (23) Nepal Bangladesh Bank Ltd
- (24) Civil Bank Limited
- (25) Prabhu Bank Limited
- (26) Nepal Rastra Bank
- (27) Nepal Bank Limited
- (28) RastriyaBanijya Bank Limited
- (29) Agricultural Development Bank Limited

## Annex II: Supply Record

**NTV-074/75-16 for “Digital File BasedWorkflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Payout, NRCS, MAM, NLE, Digital Archiving System and Accessories ”**

SN	Description of Product	Country	Quantity	Date of Operation		Purchaser's Name	Purchaser's Country	Address, Name, Tel., Fax, e-mail of the Contact Person
				From (date)	Till (date)			
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

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### **Annex III: User (Client) Certificate**

***The Client Certificate shall have at least following information:***

- 1) The user (Client) certificate shall be in official letter head with i) Name of the company, ii) Address of the Company, iii) Telephone, Fax and Web site
- 2) The user certificate shall be sealed and signed with i) Name and designation of the signatory, ii) Telephone, Fax and e-mail of the signatory, iii) Signing Date, and iv) Official Seal
- 3) Supplier name and address
- 4) The information about the equipment:
  - i. Product Model and Version
  - ii. Product Capacity
  - iii. Installation Site (Site Address)
  - iv. Operation Details
    - a. Date of Supply and Delivery
    - b. Quantity Supplied
  - v. Product Performance (Satisfactory/unsatisfactory)

## Annex- IV

### Summary of the Supplied Services to Nepal Television

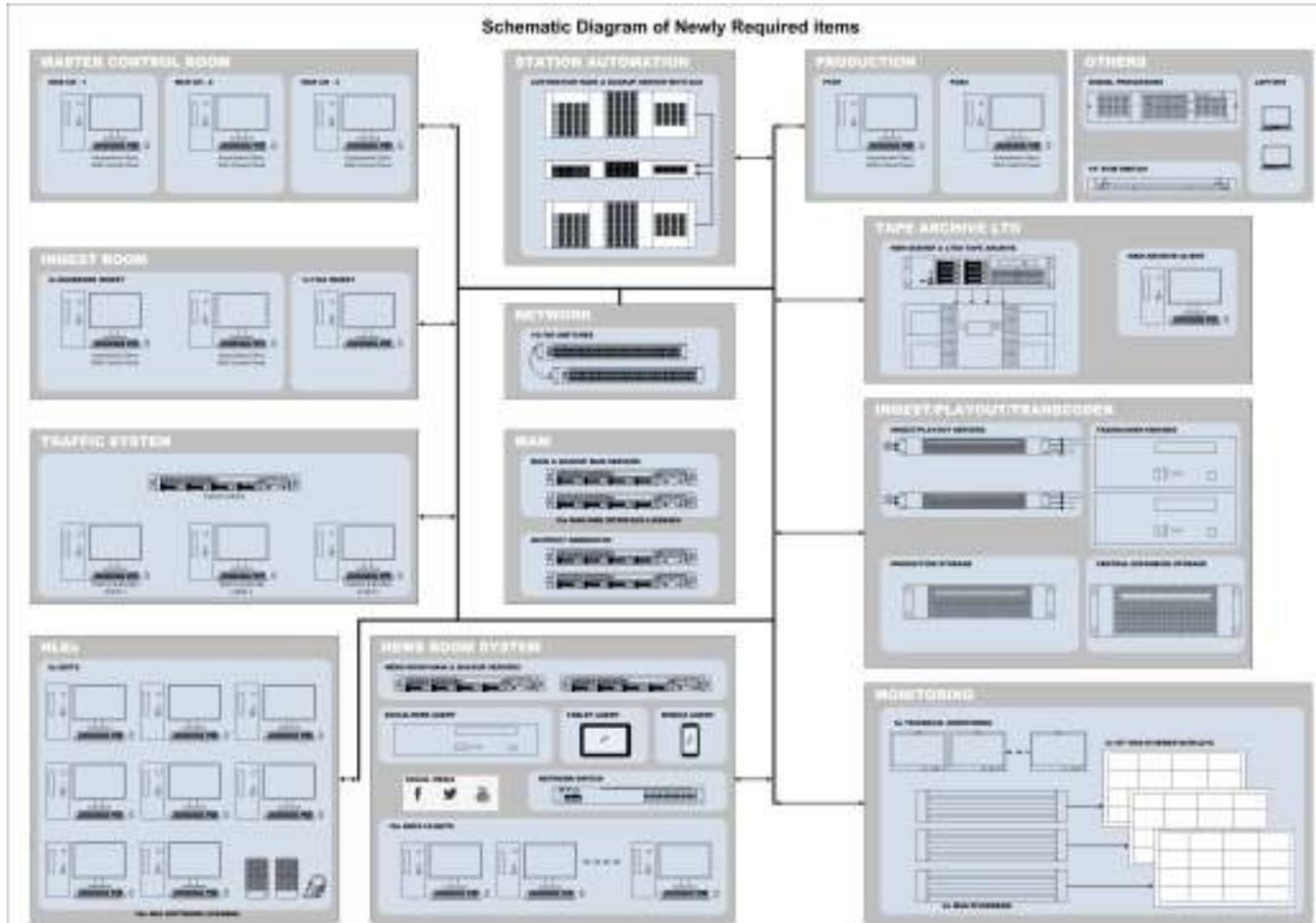
(Related with the Clause No. 28 of Section III: ITB)

SN	Description of the Equipment	Contract No.	Status		Remarks (Please Specify the reason if SPC not issued)
			SPC	Issue Date	
1					
2					
3					
4					
.					
.					
.					

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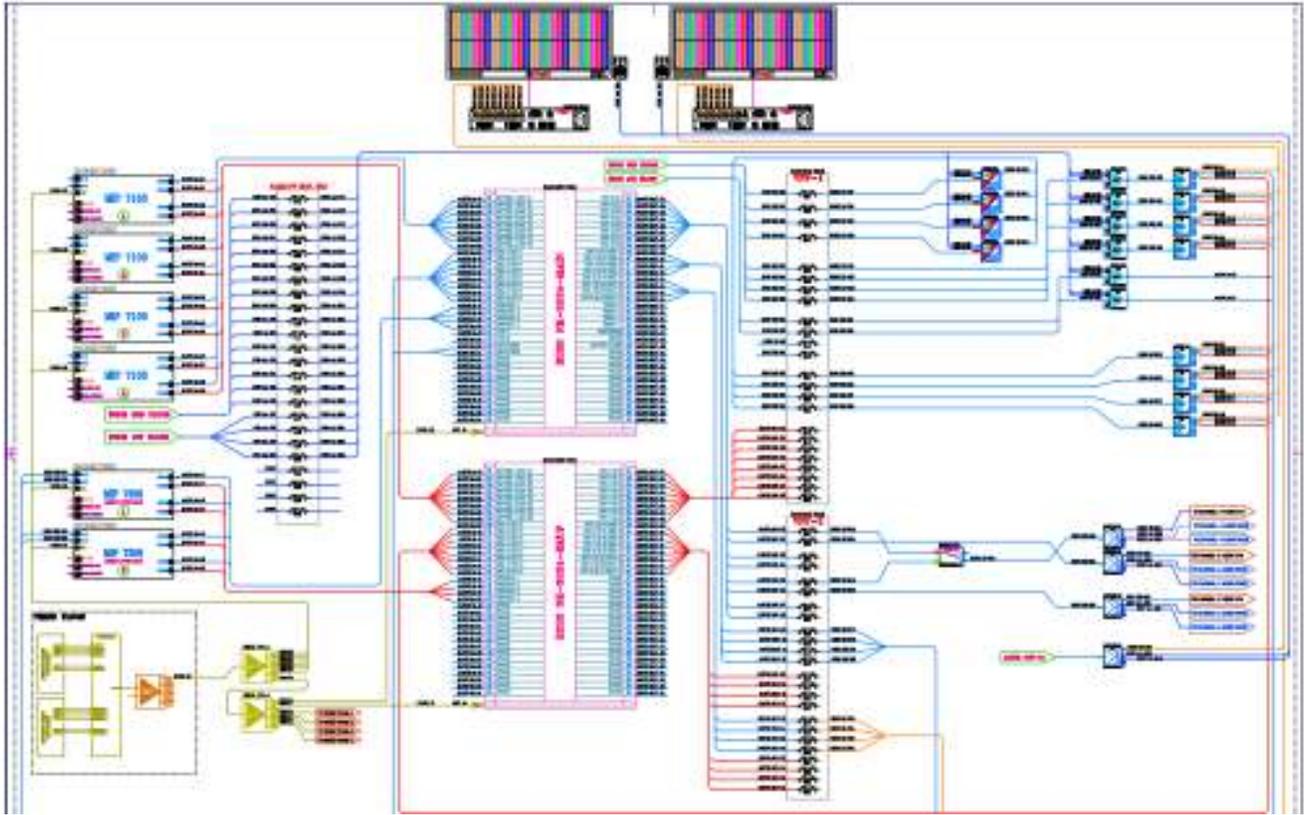
Annex-V

Schematic diagram with newly required System and old existing systems are as:



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Existing diagram



### Annex VI

#### Existing Equipments Details

#### 1 Existing File Base System

S.N	Items	Quantity	Make and model	Remarks
1.	Ingest and Play-out System	4	Harmonics Media Port MIP 7100 DMS  Media Port MIP 7300 DMS	Existing Total Ports: 12  After up gradation there will be 20 ports
2.	NLE Hardware	8	Editing Software: Adobe CC  Hard ware: Super micro computer	
2.	Carbon Coder	2	Harmonics	
3.	Play-out Automation software	3	Media.X  ESTL	
4.	Router	2	ROSS VEA8707A-R2	
5.	Play-out Storage	2	Harmonics Media Center MCP 2200 C1H	Online Storage: 2 sets 4TBX12=48TB  4TBX12=48TB
6.	Shared Storage	2	Harmonics Media Grid MG BASE 3000  CLB 1000B	Shared Storage: 2 sets 4TBX16 Pcs=64TB  4TBX16pcs=64 TB

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			CSJ 3160 NSM 2012K	
7.	Graphics System		WASP 3D	
8.	Multi-viewer	1	Aurora	
9.	Play-out and ingest client PC	6 set	Super Micro	RS 232 control card

## 2. MCR and Studio Equipment's

S.N	Items	Quantity	Make and model	Remarks
1	Video Switcher	2	For a HVS 2000	Studio switcher
2	Video Switcher	2	For a HVS 100	PCR switcher
3	Router	5	For a MFR 3000	PCR, Studio, MCR
4	Digital Signal Processor	10	FA 9520	PCR,MCR,Studio
5	Sync Generator	10	VSG-4MTG	PCR,MCR,Studio

## Annex VII

### Detailed Technical Specifications

(Applicable to all Equipment )

- |                          |   |
|--------------------------|---|
| 1. System                | HDTV-1920x1080/50/1 conforming to SMPTE 292M and ITU-R BT. 709 (CIF)<br><br>(HD-SDI: 1.485 Gb/s) and <b>SDTV-</b><br><br>625/50 i (4:3 aspect ratio) conforming to SMPTE 259M and ITU-R BT. 601 (SDI: 270 Mb/s, PAL, 2:1 Interlace, 25 frames/s, 50 fields/s) with embedded audio both for HD-SD. |
| 2. Digital processing    | <b>HDTV-</b> 4:2:2, Y: 74.25 MHz, Colour difference Pr: 37.125MHz, Pb: 37.125 MHz<br><br>Sampling rate, 10 bit quantization.<br><br><b>SDTV-</b> 4:2:2, Y:13.5 MHz, Pr:6.75 MHz, Pb:6.75 MHz Sampling rate, 10 bit Quantization.  |
| 3. Power supply          | 230 Volts $\pm$ 5%, 50 Hz   |
| 4. Operating temperature | 4 to 40 Deg. Celsius  |
| 5. Relative humidity     | 30% to 85%  |
| 6. Mounting/Dimensions   | Standard 19" Rack mount in case of  |

Stand alone units. Otherwise 19" Rack

mounting frame housing the units with

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auto switchable redundant power  
supply unit.

7. Connectors

- a) Video- 75 Ohms BNC
- b) Audio- 3 Pin XLR/ 75 Ohms BNC
- c) Control- Mini XLR,RS-422, GPI Ethernet

8. Video Signal

a. Digital

0.8 Vpp +- 10% across 75 Ohms

b. Analog

1.0 Vpp +- 10% across Ohms, PAL

c. Reference

PAL Black Burst, HD Tri-level

9. Audio

Embedded unless specified

Analog balance across 600 Ohms

Digital AES/EBU

10. Time code

VITC on black and LTC



# **Section VI.**

## **General Conditions of Contract**

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## Section VI. General Conditions of Contract

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## 1. Definitions

- 1.1 The following words and expressions shall have the meanings hereby assigned to them:
- (a) “Contract” means the 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 Agreement, including any amendments thereto.
  - (c) “Contract Price” means the price payable to the Supplier as specified in the Agreement, subject to such additions and adjustments thereto or deductions therefrom, as may be made pursuant to the Contract.
  - (d) “Day” means calendar day.
  - (e) “Delivery” means the transfer of the Goods from the Supplier to the Purchaser in accordance with the terms and conditions set forth in the Contract.
  - (f) “Completion” means the fulfillment of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Contract.
  - (g) “GCC” means the General Conditions of Contract.
  - (h) “GoN” means the Government of Nepal.
  - (i) “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.
  - (j) “Purchaser’s Country” is the country of Nepal.
  - (k) “Purchaser” means the entity purchasing the Goods and Related Services, *as specified in the SCC*.
  - (l) “Related Services” means the services incidental to the supply of the goods, such as insurance, installation, training and initial maintenance and other similar obligations of the Supplier under the Contract.
  - (m) “SCC” means the Special Conditions of Contract.
  - (n) “Subcontractor” means any natural person, private or government entity, or a combination of the above, including its legal successors or permitted assigns, to whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Supplier.
  - (o) “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 Agreement, and

	<p>includes the legal successors or permitted assigns of the Supplier.</p> <p>(p) “The Site,” where applicable, means the place named in the SCC.</p>
<b>2. Contract Documents</b>	
2.1	Subject to the order of precedence set forth in the Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory.
<b>3. Fraud and Corruption</b>	
3.1	Public procurement act, 2063 requires that public Entities, Bidders, Suppliers, Contractors and consultant under Public contract to serve the highest standard of ethics during the procurement and execution of such contract.
3.2	<p>If the Purchaser determines at any time that the Supplier has engaged in corrupt, fraudulent, collusive, coercive or obstructive practices, in competing for or in executing the Contract, then the Purchaser may, after giving 15 days’ notice to the Supplier, terminate the Supplier's employment under the Contract and the provisions of Clause 34.1 shall apply.</p> <p>(a) For the purposes of this provision, the terms set forth below as follows:</p> <p>(i) “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; and</p> <p>(ii) “fraudulent practice” means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;</p> <p>(iii) “collusive practice” means a scheme or arrangement between two or more Bidders, with or without the knowledge of the Borrower, designed to establish bid prices at artificial, non-competitive levels; and;</p> <p>(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;</p> <p>(v) “obstructive practice” means</p> <p>(b) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a GoN/DP investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or</p> <p>(c) acts intended to materially impede the exercise of the GoN/DP’s inspection</p>

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	and audit rights provided for under ITB Clause 3.5 and GCC Clause 25.
3.3	<p>Without prejudice to any other rights of the Purchaser under this Contract, on the recommendation of the Purchaser, Public Procurement Monitoring Office may blacklist a Bidder/Supplier for its conduct for a period of one (1) to three (3) years including on the following grounds and seriousness of the act committed by the bidder:</p> <p>(a) if it is established that the Supplier has committed acts specified in ITB 3.2,</p> <p>(b) if it is established later that the Bidder has committed substantial defect in implementation of the contract or has not substantially fulfilled its obligations under the contract or the completed work is not of the specified quality as per the contract.</p>
3.4	<p>In case of DP funded bid, DP:</p> <p>(a) will cancel the portion of the loan allocated to a contract if it determines at any time that representatives of the Borrower or of a beneficiary of the loan engaged in corrupt, fraudulent, collusive or coercive practices during the procurement or the execution of that contract, without the Borrower having taken timely and appropriate action satisfactory to the Bank to remedy the situation;</p> <p>(b) will sanction a firm or individual, including declaring them ineligible, either indefinitely or for a stated period of time, to be awarded a Bank-financed contract if it at any time determines that they have, directly or through an agent, engaged, in corrupt, fraudulent, collusive or coercive practices in competing for, or in executing, a Bank-financed contract; and</p> <p>(c) will have the right to require that Suppliers to permit the Bank to inspect their accounts and records and other documents relating to the bid submission and contract performance and to have them audited by auditors appointed by the Bank.</p>
<b>4. Interpretation</b>	
4.1	If the context so requires it, singular means plural and vice versa.
4.2	<p>Incoterms</p> <p>(a) The meaning of any trade term and the rights and obligations of parties thereunder shall be as prescribed by Incoterms.</p> <p>(b) EXW, CIF, CIP, and other similar terms, shall be governed by the rules prescribed in the current edition of Incoterms, published by the International Chamber of Commerce at the date of the Invitation for Bids or as <i>specified in the SCC</i>.</p>
4.3	Entire Agreement

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	The Contract constitutes the entire agreement between the Purchaser and the Supplier and supersedes all communications, negotiations and agreements (whether written or oral) of parties with respect thereto made prior to the date of Contract.
4.4	<p>Amendment</p> <p>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.</p>
4.5	<p>Non-waiver</p> <p>(a) Subject to GCC Sub-Clause 4.5(b) below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.</p> <p>(b) Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.</p>
4.6	<p>Severability</p> <p>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.</p>
<b>5. Language</b>	
5.1	<p>The Contract as well as all correspondence and documents relating to the Contract exchanged by the Supplier and the Purchaser, shall be written in the language specified in the SCC. 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 the SCC, in which case, for purposes of interpretation of the Contract, this translation shall govern.</p> <p>For purposes of this clause, "origin" means the place where the goods are mined, grown, or produced, or the place from which the related services are supplied.</p>
5.2	The Supplier shall bear all costs of translation to the governing language and all risks of the accuracy of such translation.

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<b>6. Joint Venture, Consortium or Association</b>	
6.1	Unless otherwise <i>specified in the SCC</i> , 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. A bidder can submit only one bid either as a partner of the joint venture or individually. The composition or the constitution of the joint venture, consortium, or association shall not be altered without the prior consent of the Purchaser.
<b>7. Notices</b>	
7.1	Any Notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the SCC. The term “in writing” means communicated in written form with proof of receipt.
7.2	A Notice shall be effective when delivered or on the Notice’s effective date, whichever is later.
<b>8. Governing Law</b>	
8.1	The Contract shall be governed by and interpreted in accordance with the laws of the Nepal, unless otherwise <i>specified in the SCC</i> .
<b>9. Settlement of Disputes</b>	
9.1	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.
9.2	Any dispute between the Parties as to matters arising pursuant to this Contract which cannot be settled amicably within thirty (30) days after receipt by one Party of the other Party’s request for such amicable settlement may be referred to Arbitration within 30 days after the expiration of amicable settlement period.
<b>10. Scope of Supply</b>	
10.1	<i>Subject to the SCC</i> , the Goods and Related Services to be supplied shall be as specified in Section V, Schedule of Supply.
10.2	Unless otherwise stipulated in the Contract, the Scope of Supply shall include all such items not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for attaining Delivery and Completion of the Goods and Related Services as if such items were expressly mentioned in the Contract.

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<b>11. Delivery</b>	
11.1	Subject to GCC Sub-Clause 31.1, the Delivery of the Goods and Completion of the Related Services shall be in accordance with the Delivery and Completion Schedule specified in the Section V, Schedule of Supply. The details of shipping and other documents to be furnished by the Supplier are <i>specified in the SCC</i> .
<b>12. Supplier’s Responsibilities</b>	
12.1	The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with GCC Clause 10, and the Delivery and Completion Schedule, as per GCC Clause 11.
<b>13. Purchaser’s Responsibilities</b>	
13.1	Whenever the supply of Goods and Related Services requires that the Supplier obtain permits, approvals, and import and other licenses from public authorities of Nepal, the Purchaser shall, if so required by the Supplier, make its best effort to assist the Supplier in complying with such requirements in a timely and expeditious manner.
13.2	The Purchaser shall pay all costs involved in the performance of its responsibilities, in accordance with GCC Sub-Clause 13.1.
<b>14. Contract Price</b>	
14.1	The Contract Price shall be as specified in the Agreement subject to any additions and adjustments thereto, or deductions there from, as may be made pursuant to the Contract.
14.2	Prices charged by the Supplier for the Goods delivered and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments authorized <i>in the SCC</i> .
<b>15. Terms of Payment</b>	
15.1	The Contract Price shall be paid as <i>specified in the SCC</i> .
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 GCC Clause 11 and upon fulfillment of all the obligations stipulated in the Contract.
15.3	Payments shall be made promptly by the Purchaser, no later than thirty (30) days after submission of an invoice or request for payment by the Supplier, and

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	the Purchaser has accepted it.
15.4	The currency or currencies in which payments shall be made to the Supplier under this Contract shall be as <i>specified in the SCC</i> .
15.5	In the event that the Purchaser fails to pay the Supplier any payment by its due date or within the period set forth in the GCC 15.3, the Purchaser shall pay to the Supplier interest on the amount of such delayed payment at the rate shown <i>in the SCC</i> , for the period of delay until due payment has been made.
<b>16. Taxes and Duties</b>	
16.1	For goods supplied from outside Nepal, the Supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside Nepal. However, Tax deduction at source shall be applied as per taxation laws of Nepal.
16.2	For goods supplied from within the Nepal, the Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser. Tax deduction at source shall be applied as per taxation law of Nepal.
16.3	If any tax exemptions, reductions, allowances or privileges may be available to the Supplier in Nepal, the Purchaser shall use its best efforts to enable the Supplier to benefit from any such tax savings to the maximum allowable extent.
<b>17. Performance Security</b>	
17.1	The Supplier shall, within fifteen (15) days of the receipt of notification of Contract award, provide a Performance Security for the due performance of the Contract in the amounts and currencies <i>specified in the SCC</i> .
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	The Performance Security shall be denominated in the currencies of the Contract, or in a freely convertible currency acceptable to the Purchaser, and shall be in one of the forms stipulated by the Purchaser in the SCC, or in another form acceptable to the Purchaser.
17.4	The Performance Security shall be discharged by the Purchaser and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations. Refer to SCC.

<b>18. Copy right</b>	
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.
<b>19. Confidential Information</b>	
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 GCC Clause 19. - <b>Refer to SCC for System related reports and Data</b>
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 design, procurement, or other work and services required for the performance of the Contract.
19.3	The obligation of a party under GCC Sub-Clauses 19.1 and 19.2 above, however, shall not apply to information that: <ul style="list-style-type: none"> <li>(a) the Purchaser or Supplier need to share with the Donor or other institutions participating in the financing of the Contract;</li> <li>(b) now or hereafter enters the public domain through no fault of that party;</li> <li>(c) can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or</li> <li>(d) Otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.</li> </ul>
19.4	The above provisions of GCC Clause 19 shall not in any way modify any

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	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.
19.5	The provisions of GCC Clause 19 shall survive completion or termination, for whatever reason, of the Contract.
<b>20. Sub-contracting</b>	
20.1	The Supplier shall notify the Purchaser in writing of all subcontracts awarded under the Contract if not already specified in the Bid. Subcontracting shall in no event relieve the Supplier from any of its obligations, duties, responsibilities, or liability under the Contract.
20.2	Subcontracts shall comply with the provisions of GCC Clauses 3.
<b>21. Specifications and Standards</b>	
21.1	<p>Technical Specifications and Drawings</p> <ul style="list-style-type: none"> <li>a) The Supplier shall ensure that the Goods and Related Services comply with the technical specifications and other provisions of the Contract.</li> <li>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.</li> <li>c) The Goods and Related Services supplied under this Contract shall conform to the standards mentioned in Section V, Schedule of Supply and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the country of origin of the Goods.</li> <li><b>d) Refer to SCC for Origin of the supplied goods</b></li> </ul>
21.2	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 Section V, Schedule of Supply. 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 GCC Clause 32.
<b>22. Packing and Documents</b>	
22.1	The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and

	precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the final destination of the Goods and the absence of heavy handling facilities at all points in transit.
22.2	The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in the SCC, and in any other instructions ordered by the Purchaser.
<b>23. Insurance</b>	
23.1	Unless otherwise <i>specified in the SCC</i> , the Goods supplied under the Contract shall be fully insured, in a freely convertible currency from an eligible country, against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery, in accordance with the applicable Incoterms or in the manner <b>specified in the SCC</b> .
<b>24. Transportation</b>	
24.1	Unless otherwise <i>specified in the SCC</i> , obligations for transportation of the Goods shall be in accordance with the Incoterms specified in Sections V, Schedule of Supply.
<b>25. Inspections and Tests</b>	
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 Sections V, Schedule of Supply.
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 final destination of the Goods, or in another place in Nepal as <i>specified in the SCC</i> . Subject to GCC 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 GCC 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.

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	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 GCC 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 GCC Sub-Clause 25.6, shall release the Supplier from any warranties or other obligations under the Contract.
<b>26. Liquidated Damages</b>	
26.1	Except as provided under GCC Clause 31, if the Supplier fails to deliver any or all of the Goods 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 <i>specified in the SCC</i> of the Contract Price for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage <i>specified in the SCC</i> . Once the maximum is reached, the Purchaser may terminate the Contract pursuant to GCC Clause 34.

<b>27. Warranty</b>	
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 GCC Sub-Clause 21.1, 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 <i>specified in the SCC</i> , 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 SCC, or for eighteen (18) months after the date of shipment or loading in the country of origin, whichever period concludes earlier.
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 <i>specified in the SCC</i> , 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 SCC, 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.
<b>28. Patent Indemnity</b>	
28.1	The Supplier shall, subject to the Purchaser's compliance with GCC 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

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	<p>(b) the sale in any country of the products produced by the Goods.</p> <p>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 thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the Supplier, pursuant to the Contract.</p>
28.2	If any proceedings are brought or any claim is made against the Purchaser arising out of the matters referred to in GCC 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 thirty (30) 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.
<b>29. Limitation of Liability</b>	
29.1	<p>Except in cases of gross negligence or willful misconduct:</p> <p>(a) neither party shall be liable to the other party 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</p> <p>(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</p>

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	replacing defective equipment, or to any obligation of the Supplier to indemnify the Purchaser with respect to patent infringement.
<b>30. Change in Laws and Regulations</b>	
30.1	Unless otherwise specified in the Contract, if after the date of the Invitation for Bids, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in the place of Nepal where the Site is located (which shall be deemed to include any change in interpretation or application by the competent authorities) 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 GCC Clause 14.
<b>31. Force Majeure</b>	
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.
<b>32. Change Orders and Contract Amendments</b>	
32.1	The Purchaser may at any time order the Supplier through Notice in accordance GCC Clause 7, to make changes within the general scope of the Contract in any one or more of the following:

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	<ul style="list-style-type: none"> <li>(a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;</li> <li>(b) the method of shipment or packing;</li> <li>(c) the place of delivery; and</li> <li>(d) the Related Services to be provided by the Supplier.</li> </ul>
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 and 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 thirty (30) days from the date of the Supplier's receipt of the Purchaser's change order. Refer to SCC.
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.
<b>33. Extensions of Time</b>	
33.1	<p>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 GCC Clause 11, the Supplier shall promptly and at least seven (7) days before the expiry of procurement contract, 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.</p> <p>Except in case of Force Majeure, as provided under GCC 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 GCC Clause 26, unless an extension of time is agreed upon, pursuant to GCC Sub-Clause 33.1.</p>
<b>34. Termination</b>	
34.1	<p>Termination for Default</p> <ul style="list-style-type: none"> <li>(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: <ul style="list-style-type: none"> <li>(i) if the Supplier fails to deliver any or all of the Goods within the period</li> </ul> </li> </ul>

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	<p>specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause 33;</p> <p>(ii) if the Supplier fails to perform any other obligation under the Contract; or</p> <p>(iii) If the Supplier, in the judgment of the Purchaser has engaged in fraud and corruption, as defined in GCC Clause 3, in competing for or in executing the Contract.</p> <p>(b) In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC 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.</p>
34.2	<p>Termination for Insolvency.</p> <p>(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</p>
34.3	<p>Termination for Convenience.</p> <p>(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.</p> <p>(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:</p> <p>(i) to have any portion completed and delivered at the Contract terms and prices; and/or</p> <p>(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.</p>
<b>35. Assignment</b>	
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

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**End of Section VI**

# **Section VII.**

## **Special Conditions of Contract**

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## Special Conditions of Contract (SCC)

The following Special Conditions of Contract (SCC) shall supplement the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

<b>GCC 1.1 (k)</b>	The Purchaser is: Nepal Television Corporation (NTV)
<b>GCC 1.1 (p)</b>	The Site is: Central office of NTV, Singhadurbar, Kathmandu, Nepal
<b>GCC 4.2 (b)</b>	The version of Incoterms shall be: 2012 or higher
<b>GCC 5.1</b>	The language shall be: English
<b>GCC 6.1</b>	joint venture, consortium or association <b>Not Applicable</b>
<b>GCC 7.1</b>	For notices, the Purchaser's address shall be: Purchaser: Nepal Television Corporation (NTV) Singhadurbar, Kathmandu, Nepal Telephone number:+ 977 1 4200348 Fax: +97714200212 e-mail Address: nepaltv@wlink.com.np
<b>GCC 8.1</b>	The governing law shall be the law of: <b>Nepal</b> The Bidder shall abide by all prevailing laws of Nepal. The Bidder is strongly recommended to study the prevailing laws of Nepal
<b>GCC 10.1</b>	The Scope of Supply shall be defined in: "Section V, Schedule of requirement".
<b>GCC 11.1</b>	Details of shipping and documents to be furnished by the Supplier shall be:  <b>For Goods supplied from abroad as per Incoterms CIF:</b> Upon shipment, the Supplier shall notify the Purchaser and the Insurance company by fax and email the full details of the shipment including contract number, description of goods, quantity, the airway bill/ bill of lading, or truck receipt number and date, port of loading, date of shipment, port of discharge, L/C number etc. The Supplier shall send by courier service a copy of following documents to the Purchaser with a copy to the Insurance company:  i. Five (5) copies of the <b>Supplier's invoices</b> showing goods description, quantity, unit price, total amount and L/C number. ii. Original and four (4) copies of the <b>airway bill/ bill of lading or truck receipt</b> with LC number. iii. Five (5) copies of <b>packing list</b> identifying contents of each package; iv. <b>Insurance Certificate</b> ; v. Manufacture's /supplier's <b>guarantee certificate for spare parts</b> ; vi. <b>Certificate of origin</b>

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	<p>vii. <b>Manufacturer's Factory Inspection</b> report</p> <p>viii. <b>Factory Inspection certificate issued by Nepal Television Corporation (NTV)</b> as per the Factory Inspection Report submitted by Nepal Television (NTV) Inspector.</p> <p>The Purchaser shall receive the above documents at least one week before arrival of the Goods at the port or place of arrival and, if not received, the Supplier will be responsible for any consequent expenses.</p> <p><b>For Goods from within the Purchaser's country as per Incoterm EXW:</b> Upon delivery of the Goods to the transporter, the Supplier shall notify the Purchaser and send the following documents to the Purchaser:</p> <ol style="list-style-type: none"> <li>i. Five (5) copies of the <b>Supplier's invoices</b> showing goods description, quantity, unit price, total amount and L/C number.</li> <li>ii. Five (5) copies of <b>packing list</b> identifying contents of each package;</li> <li>iii. <b>Insurance Certificate</b>;</li> <li>iv. Manufacture's /supplier's <b>guarantee certificate for spare parts</b>;</li> <li>v. <b>Certificate of origin</b> issued by chamber of commerce</li> <li>vi. <b>Manufacturer's Factory Inspection</b> report</li> </ol> <p>The Purchaser, shall receive the above documents before the arrival of the Goods and, if not received, the Supplier will be responsible for any consequent expenses.</p>
<b>GCC 14.2</b>	The price adjustments: <b>Not Applicable</b>
<b>GCC 15.1</b>	<p>The terms of payment to be made to the Supplier under the contract shall be as follows:</p> <p>100% Payment of the foreign currency component for the Goods and Services shall be made through Irrevocable Letter of Credit (L/C) opened in favour of Supplier.</p> <p>All payment under this contract shall be made only after deduction of withholding tax (TDS – Tax Deduction at Source) as per the Income tax law of Nepal.</p> <p><b><u>Opening of L/C</u></b> Nepal Television (NTV) shall open irrevocable letter of credits (L/C) for the goods and service (excluding extended warranty and AMS). First Letter of credit of goods shall be opened and later on the amount of services shall be added by the amending the original L/C</p> <p>Supplier shall submit error free Pro-Forma Invoice within 7 days from the date of signing the Contract. Nepal Television (NTV) shall open L/C within 15 days from the date of receipt of the error free Pro-Forma invoice from supplier. The name and other details of the recognized international surveyor shall be included in</p>

	Pro-Forma Invoice.
<b>GCC 15.1</b>	<p><b><i>Payment of Goods and services</i></b> Payment for the <b><i>Goods and services</i></b> shall be made against the submission of required certificates and documents along with the commercial invoice.</p> <p>The Payment shall be made as follows:</p> <p><b><u>On Factory Acceptance Test Certificate &amp; Original shipping documents.</u></b> <b>Eighty percent (80%)</b> payment of the bid amount will be paid through irrevocable letter of credit (LC) on submission of original shipping documents including Factory Acceptance Test certificate (FAT).</p> <p><b><u>On the issuance of Final Acceptance Certificate (FAC)</u></b> Remaining Twenty percent (20%) payment of the bid amount shall be made through irrevocable letter of credit (L/C) within thirty (45) days after received goods in NTV store. Bidder shall submit Final Acceptance Certificate (FAC) issue by Nepal television and letter to release the payment.</p> <p>NTV must complete the Final acceptance test and should issue Final Acceptance Certificate (FAC) to suppliers within 45 days after received goods in NTV store. .</p> <p>Liquidated damages, short fall of goods and any other charges payable to the Nepal Television (NTV) shall be deducted at the time of the payment.</p> <p><b><u>On the issuance of Warranty Completion Certificate (WCC)</u></b> Remaining <b>Performance Security Amount shall be paid</b> within thirty (30) days from the date issuance of the <b>Warranty Completion Certificate (WCC)</b> by the <b>Nepal Television Corporation</b> and submission of the claim to release the payment by Supplier.</p>
<b>GCC 15.1</b>	<p><b><u>L/C Amendment and Effective Date</u></b> In case the L/C has to be amended due to reasons attributable to the Supplier, the effective date of L/C will be the date on which L/C was originally established.</p> <p>If the L/C has to be amended due to reasons attributable to Nepal Television (NTV), the effective date of L/C will be the latest date on which L/C is amended.</p> <p>All the charges for L/C payable outside Nepal shall be borne by the Supplier. In case L/C amendment is requested by the Supplier for the reasons attributable to the Supplier, all bank charges for such amendment (reconfirmation charge, negotiation charge etc.) inside and outside Nepal shall be borne by the Supplier.</p>
<b>GCC 15.4</b>	The currencies for payments shall be: <b>USD</b>
<b>GCC 15.5</b>	The interest rate that shall be applied for payment delay: <b>Not Applicable</b>

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<b>GCC 17.1</b>	<p>The supplier shall submit a bank guarantee equivalent to amount as mentioned below (including inland transportation cost, if applicable) as Performance Security at the time of signing the Contract as per Sample Form attached in Section VIII "Contract Forms". The currency of the bank guarantee shall be in currency of contract ie. amount in US\$. The validity of the bank guarantee shall cover <b>one month more than the warranty period</b> as mentioned in Section GCC 27.</p> <p>The amount of Performance Security shall be as follows:</p> <ol style="list-style-type: none"> <li>i. If bid price of the bidder selected for acceptance is up to 15 (fifteen) percent less than the approved cost estimate, the performance security amount shall be 5 (Five) percent of the bid price.</li> <li>ii. For the bid price less than 15 percent of the cost estimate, the performance security amount shall be determined as follows: Performance Security Amount = [(0.85 x Cost Estimate – Bid Price) x 0.5] + 5 % of Bid Price.</li> </ol>
<b>GCC 17.3</b>	<p>The types of acceptable Performance Securities are: A bank guarantee issued by a "A" class commercial Bank located in the Purchaser's country or abroad, acceptable to the Purchaser, in the format included in Section VIII, Contract Forms,</p> <p>Performance Security issued by foreign Bank must be counter – guaranteed by a "A" class commercial Bank in Nepal.</p> <p>The Performance Security will be discharged by purchaser not later than thirty (30) days following the date of completion of the Supplier's performance obligations, including issuance of Warranty Completion Certificate (WCC) as Section V "Technical Specification".</p>
<b>GCC 19.1</b>	<p>The Supplier shall keep confidential and shall not, without the written consent of Nepal Television Corporation (NTV) divulge to any third party any documents, data, or other information related to network's system, Nepal Television's project strategy, operation and maintenance etc.</p>
<b>GCC 21.1</b>	<p>Country of origin of all the goods shall be in accordance with the Section IV "Price Schedule" and shall not be deviated from the offered country of origin in the offered bid.</p>
<b>GCC 22.2</b>	<p>The packing, marking, and documentation within and outside the packages shall be:</p> <p>Name: Nepal Television Corporation Address: Singhadurbar, Kathmandu, Nepal Tel:+ 977 1 4200348</p>

	Fax: +977 1 4200212
<b>GCC 25</b>	<p>Inspections and Test :</p> <p><b>1. TRAINING</b></p> <p>NTV will send two (2) Engineers &amp; two (2) graphics person for 14 days of training at the manufacturer's/integrators premises. After the training, the trained personnel shall be able to carry out the installation, operation, maintenance and repair works of the system. These personnel shall also be able to impart knowledge on the normal operation and maintenance of the system to NTV staffs.</p> <p>1.1 The topics for this training group shall at least consist of:</p> <ol style="list-style-type: none"> <li>a. Overview of the complete system.</li> <li>b. Installation and preventive maintenance of Playout/Production Server System</li> <li>c. Performance measurement, fault diagnosis of video networks.</li> <li>d. Optimization performance of Ingest, Storage and Playout System.</li> <li>e. Operation of Playout Automation Server software, Ingest management software, Storage management software, scheduling software and necessary software.</li> <li>f. File formats, Metadata management, browsing files at storage and others.</li> <li>g. File Based workflow system and related technology.</li> <li>h. Working details of hardware and software</li> <li>i. Installation procedures and practices.</li> <li>j. System optimization and performance measurement.</li> <li>k. System Fault Diagnostics</li> <li>l. MAM and digital Archiving</li> </ol> <p>1.2 The bidder shall list any other course topics that are not mentioned above, but are available in their training course and the bidder thinks they should be included to make comprehensive training package</p> <p>1.3 Training cost: The bidder shall quote the price for the training mentioned in the price of schedule. The price quoted shall include tuition fee, training materials including handbooks /manuals, accommodation, local transport in the country of training, round trip air ticket, and daily allowance based on the GoN rules.</p> <p>1.4 Detailed breakdown of training cost showing cost of each of the components indicated above shall be provided. The training cost will be considered during bid evaluation.</p> <p>1.5 The trainees shall be insured for medical treatment and all kinds of risks during their stay in the supplier's country. The insurance costs shall be</p>

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	<p>included in the training cost</p> <p><b>2 ACCEPTANCE TESTING</b></p> <p><b>2.1 In-Plant Testing of Equipment</b></p> <p>2.1.1 All the equipment shall be tested in the factory before the shipment. The test result shall be supplied with the equipment. NTV will depute three senior engineer and one management person to participate in the equipment factory Acceptance Test at the manufacturer's premises for 10 days. The bidder/supplier is responsible for integrating all the equipment in his premises at the time of factory acceptance test.</p> <p style="text-align: center;">However Nepal television with the assistance of suppliers shall complete factory acceptance test (FAT) within 30 days from the date of invitation from the suppliers.</p> <p>2.1.2 The bidder shall provide all the necessary test equipment, tools and help to test the system performance without any cost to NTV. Any non compliance found during the testing shall be corrected by the bidder before the shipment</p> <p>2.1.3 The expenses for lodging facility for 10 days within in country travel facility, the round trip air ticket and daily allowances as per GoN rules for each participant. The NTV senior Engineers during the in-plant acceptance test shall be borne by the supplier</p> <p>2.1.4 The cost of in-plant Acceptance test will be considered for the evaluation.</p> <p><b>2.2 ACCEPTANCE PROCEDURE</b></p> <p>2.2.1 All equipment shall be subject to acceptance testing at the manufacturer's premises as well as at the installation site before handover to NTV</p> <p>2.2.2 NTV shall have the authority to approve or disapprove the acceptance test procedure and to include at its discretion any test in the acceptance test procedure either to test any requirement within the specified technical specification or to clarify doubts on the integrity of the equipment under test.</p> <p>2.2.3 While carrying out the acceptance testing, if any test equipment other than those included in the offer is required, the supplier shall arrange for temporary importation of such test equipment without any additional cost to NTV, prior to the start of the acceptance testing.</p> <p><b>2.3 LOCAL TRAINING</b></p> <p>Local Training must be conducted by experts from the manufacturer/suppliers for 30 days</p> <ol style="list-style-type: none"> <li>i. Ingest and playout System</li> <li>ii. Digital archiving system</li> <li>iii. Media Asset Management</li> </ol>
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	<ul style="list-style-type: none"> <li>iv. NRCS (side by side two weeks for journalist)</li> <li>v. Training on Billing Software (1 week Training)</li> <li>vi. Overall system</li> </ul>
<b>GCC 26.1</b>	<p><b>Liquidated Damages</b></p> <p>If the Supplier fails to complete the delivery, installation, testing and commissioning and make ready for putting into commercial service within the time period specified in the <b>Table-1</b> given below, Nepal Television Corporation shall, without prejudice to its other remedies under the Contract, deduct from the total bid price (as per <b>Table-1</b>) payable to the Supplier, as liquidated damages, a sum equivalent to 0.05% per day of the bid amount, which could not be delivered/commissioned (as per the <b>Table-1</b>) delay until actual delivery or performance up to a maximum deduction of 10% of the Total bid amount. Once the maximum is reached, the Nepal Television Corporation (NTV) may consider termination of the Contract.</p> <p>The applicable rate of liquidated damages shall be 0.05 percent of the Contract Price per day the maximum amount of liquidated damages shall be ten (10) percent of the Contract Price.</p>
<b>GCC 27.3</b>	<p>The period of validity and details of the Warranty level services shall be as follows:</p> <p><b>Warranty Service with Technical Support</b></p> <p>The warranty with Technical Support shall commence and remain valid for a period of one (1) Year from the date of issuance of Final Acceptance Certificate, as specified in Section V: Technical specification. Services under Warranty and Technical Support shall be as per Section V "Technical Specification".</p>
<b>GCC 27.5</b>	<p>The Supplier shall correct any defects covered by the Warranty within: as per the Section V "Technical Specification"</p>
<b>GCC 28.1</b>	<p>The Supplier shall indemnify the Nepal Television Corporation (NTV) against all third – party claims of infringement of patent, trademark or industrial design rights arising from use of the goods (equipment/Hardware and software) or any part thereof in Nepal.</p> <p>The supplier shall provide required software licenses for all the software products including third party software supplied under the contract. The licenses shall be issued in the name of Nepal Television by the OEM manufacturer of the respective software products.</p> <p>The supplier shall clearly mention all applicable software license fees in Price Schedule which shall be considered for evaluation. All original license</p>

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	<p>documents shall be delivered along with the software products and documentation.</p> <p>In course of installation, testing, operation, if some licenses are found to be not provisioned, not sufficient or not as per requirement, the Supplier shall immediately provision for necessary licenses and compensate for any issues or claims.</p> <p>Nepal Television Corporation (NTV) reserves the right to reallocate all licensed software and related hardware from one place to another within Nepal or interface with any other systems. No license fee shall be applicable at any time for such purpose.</p>
<b>GCC 33.1</b>	Time extension shall be limited to the time limit as specified in the financial regulation of Nepal Television and Public Procurement Act 2063 and Regulation.2064

**End of Section- VII**

# **Section VIII.**

## **Contract Forms**

**NTV-077/78-06 for “Digital File Based Workflow (II) System Integration, Testing and Commissioning Of Ingest, Storage, Payout, NRCS, MAM, NLE, Digital Archiving System and Accessories ”**

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<b>6. Factory Inspection Report</b>	
<b>7. Factory Inspection certificate</b>	

# 1. Letter of Intent

*[On letterhead paper of the Purchaser]*

.....*[insert date]*.

To: .....*[insert name and address of the Contractor]*

Subject: *Issuance of letter of intent to award the contract.*

This is to notify you that, it is our intention to award the contract ..... *[insert date]* for execution of the ..... *[Insert.name of the contract and identification number]* to you as your bid price ..... *[insert currency and .amount in figures and words]*.as corrected and modified in accordance with the Instructions to Bidders is hereby selected as substantially responsive lowest evaluated bid.

Authorized Signature: .....

Name: .....

Title: .....

**CC:**

*[Insert name and address of all other Bidders, who submitted the bid]*

## 2. Letter of Acceptance

*[on letterhead paper of the Employer]*

Date. . . . .

To: . . . . . *name and address of the Supplier* . . . . .

Subject: *Notification of Award*

This is to notify that your Bid dated . . . . .*[insert date]* for execution of the . . . . .*[insert .name of the contract and identification number]* for the Contract price of .....*[insert currency and amount in figures and words]*, as corrected in accordance with the Instructions to Bidders is hereby accepted in accordance with the Instruction to Bidders.

You are hereby instructed to contract this office to sign the formal contract agreement within 15 days. As per the Conditions of Contract, you are also required to submit Performance Security, as specified in SCC, consisting of a Bank Guarantee in the format included in Section VIII (Contract Forms) of the Bidding Document.

The Purchaser shall forfeit the bid security, in case you fail to furnish the Performance Security and to sign the contract within specified period.

Authorized Signature: .....

Name and Title of Signatory:

### 3. Contract Agreement

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

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 .... of the Government of { insert name of Country of Purchaser }, or corporation incorporated under the laws of { insert name of Country of Purchaser } ]* 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) Special Conditions of Contract
  - (c) General 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
  - (g) *[Add here any other document(s)]*

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.

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3. In consideration of the payments to be made by the Purchaser to the Supplier as indicated in this Agreement, the Supplier hereby covenants with the Purchaser to provide the Goods and Related Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Goods and Related 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 “Nepal” on the day, month, and year indicated above.

Signed by [**insert authorized signature for the Purchaser**] (for the Purchaser)

Signed by [**insert authorized signature for the Supplier**] (for the Supplier)

## 4. Performance Security

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

**[insert complete name and number of Contract]**

To: **[insert complete name of Purchaser]**

WHEREAS **[insert complete name of Supplier]** (hereinafter “the Supplier”) has received the notification of award for the execution of **[insert identification number and name of contract]** (hereinafter “the Contract”). ] (hereinafter “the Contract”).

AND WHEREAS it has been stipulated by you in the aforementioned notification of award that the Supplier shall furnish you with a security **[insert type of security]** issued by a reputable guarantor for the sum specified therein as security for compliance with the Supplier’s performance obligations in accordance with the Contract.

AND WHEREAS the undersigned **[insert complete name of Guarantor]**, legally domiciled in **[insert complete address of Guarantor]**, (hereinafter the “Guarantor”), have agreed to give the Supplier a security:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of **[insert currency or currencies and amount of guarantee in words and figures]** and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract, without cavil or argument, any sum or sums within the limits of **[insert currency and amount of guarantee in words and figures]** as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This security is valid until the **[insert day, month, year]**.

Name: **[insert complete name of person signing the Security]**

In the capacity of: **[insert legal capacity of person signing the Security]**

Signed: **[insert signature of person whose name and capacity are shown above]**

Duly authorized to sign the security for and on behalf of: **[insert seal and complete name of Guarantor]**

Date: **[insert date of signing]**

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## 5. Advance Payment Security

*[The bank, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated.]*

[insert complete name and number of Contract]

To: [insert complete name of Purchaser]

In accordance with the payment provision included in the Contract, in relation to advance payments, [insert complete name of Supplier] (hereinafter called “the Supplier”) shall deposit with the Purchaser a security consisting of [indicate type of security], to guarantee its proper and faithful performance of the obligations imposed by said Clause of the Contract, in the amount of [insert currency and amount of guarantee in words and figures].

We, the undersigned [insert complete name of Guarantor], legally domiciled in [insert full address of Guarantor] (hereinafter “the Guarantor”), as instructed by the Supplier, agree unconditionally and irrevocably to guarantee as primary obligator and not as surety merely, the payment to the Purchaser on its first demand without whatsoever right of objection on our part and without its first claim to the Supplier, in the amount not exceeding [insert currency and amount of guarantee in words and figures].

This security shall remain valid and in full effect from the date of the advance payment being received by the Supplier under the Contract until (insert day, month, year). [Contract completion date may be a basis for this date]

Name: [insert complete name of person signing the Security]

In the capacity of: [insert legal capacity of person signing the Security]

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

Duly authorized to sign the security for and on behalf of: [insert seal and complete name of Guarantor]

Date: [insert date of signing]

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**Factory Inspection Report**

To,

Date:

Manager,

Nepal Television (NTV)

**Factory Inspection Report**

This is in reference to Contract No. ... *(Specify No. and name of Contract)* dated *(Specify Date)* and LC No: ... dated ... issued by ..., Nepal (specify the L/C No., date of issue and issuing bank) under the Contract No. *(Specify Contract No. )*.

We would like to inform you that the Inspection & tests of the goods (please mention the name of items) under the above mentioned contract were carried out successfully in accordance with approved Acceptance Test Procedure. All the results were found in conformity with the Technical requirements of the Contract. Therefore, goods under the above mentioned Contract are hereby ready for dispatch.

**Inspector from Nepal Television Corporation**

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Mr. ....

Designation.....

Nepal Television (NTV)

-----

Mr. ....

Designation: .....

Nepal Television (NTV)

**Inspection done at manufacturing site:**

Name of Supplier:

Address:

**Date: From DD/MM/YY to DD/MM/YY**

**Representatives from Supplier**

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Mr. ....

Designation: .....

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## Factory Inspection Certificate

Date: ...

Ref. No.: ISD |(Contract No.)| (Fiscal year)

Cha. Na.:

Name of Supplier:

Address of the Supplier:

Tel:

Fax:

### **Subject: Factory Inspection Certificate**

This is in reference to Contract No. ... (*Specify No. and name of Contract*) dated (*Specify Date*) and LC No: ... dated ... issued by ..., Nepal (specify the L/C No., date of issue and issuing bank) under the Contract No. (*Specify Contract No.*).

This is to confirm that the goods (please mention the name of items, if specific items to be tested mentioned in the Contract) under the above mentioned Contract were inspected and tested successfully at manufacturer premises by Inspectors of Nepal Television (NTV) in accordance with the approved test procedure. All the test results were found in conformity with the Technical requirements of the Contract. Therefore, goods under the above mentioned Contract are hereby cleared for dispatch.

**Thanking you.**

Sincerely yours.

\_\_\_\_\_

...

(Manager, NTV)

**End of Section VIII: Contract Forms**

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