

**TENDER NO: DDN/5(115)/CAMC Automation System /
2019-20 G(E)**

**Comprehensive Annual Maintenance Contract for
Integrated News Automation System at DD News**

**DOORDARSHAN NEWS
DOORDARSHAN BHAWAN PHASE-II
COPERNICUS MARG
NEW DELHI**

**CERTIFIED THAT THIS DOCUMENT
CONTAINS 76 PAGES**

Ref . No.

Dated :23.07.2020

To:

.....

.....

.....

INVITATION TO BID

On behalf of the Director General (N&CA) of DD News in the prescribed Bid forms at Appendices, 2 to 8 of Instructions to Bidder' enclosed at Annexure I. The details of the tender are given in the schedule below:

1.1 TENDER NO. DDN/5(115)/CAMC Automation System /2019-20G(E)

1.2 Description of CAMC and Quantity: As per Annexure-IV.

1.3 CAMC Period : 12 Months

1.4 Tender fee : Nil

1.5 Bid Bond (Bank Guarantee)/ Earnest Money:

Rs. 5,84,000/- (Rupees Five Lakh and Eighty Four Thousand only)

1.6 Bid Bond/Bid Validity.

- (I) Bid Validity up to: 120 (One hundred & twenty) days from the date of opening of Technical Bid.
- (II) Bid Bond Validity up to: 60 (Sixty) days beyond bid validity.

Warranty: Required as per clause 6 of Annexure-II General Terms and Conditions.

Performance Bank Guarantee / Security Deposit: Required as per Appendix to Annexure-II (General Terms and Conditions)

- (I) Amount: 10% of the order value.
- (II) Validity: As stipulated in the Appendix 3 of the tender document.
- (III) Correspondence Address:

**Assistant Engineer
Room No. 238, 2nd floor
Doordarshan News
Doordarshan Bhawan, Phase-II
Copernicus Marg,
New Delhi.**

1.7 Paying Authority:

**DIRECTOR GENERAL (N&CA)
Doordarshan News
Doordarshan Bhawan, Phase - II
Copernicus Marg,
New Delhi.**

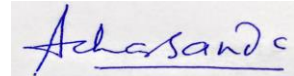
1.8 Important Instructions:

The Tender will be governed by the “Instruction to the Bidder” as per Annexure-I, “General Terms and Conditions: placed at Annexure-II and Technical Specifications at Annexure-IV. The contract will also be governed by the conditions set out in DGS&D 68 (Revised) relating to conditions applicable to the contract placed by the Central Purchase Organization of the Government of India and DGS&D-229 relating to special conditions for imported stores, as amended up to date in so far as they are applicable and not inconsistent with the conditions mentioned in the tender document. Deviation/Exceptions to the clause, if any, should be explicitly recorded as a separate Annexure (Appendix 5 to Annexure-I) to your offer, failing which all the clauses shall be deemed to have been accepted by you.

Two Bid systems shall be followed for this tender. Tenderers should take due care to submit tenders in accordance with requirement as specified in clause 2 of “Instruction to Bidders” (Annexure-I) Bid evaluation criteria at Annexure-III shall be the basis for evaluation of tenders.

The authorization letter from Foreign Supplier/Original Equipment Manufacturers (OEMs) should be enclosed along with the Technical & Commercial Bid.

The tenderer while submitting their bid must adhere to the relevant CVC guidelines issued from time to time (Reference may be made to CVC website www.cvc.nic.in), otherwise their offer is likely to be ignored.



(ALOK KHARBANDA)
Assistant Engineer

For & on behalf of Dy. Director General (Engg.)

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INSTRUCTION TO BIDDERS

(Please sign each page of these conditions and send it with your offer)

1. PREPARATION OF TENDER

- 1.1 Bid shall be submitted concurrently duly digitally signed in the website in the prescribed performa as per appendices 1 to 7. The bid duly filled in and digitally signed should be submitted online intact whether you are quoting for any item or not. When items are not being tendered for the corresponding spaces should be defaced by some such words as "Not quoting".
- 1.2 Deleted.
- 1.3 The Bid referred to above, if not returned or if returned by not duly filed in, will be liable to result in rejection of the tender.
- 1.4 Bidders are advised in their own interest to ensure that all the points brought out in the check list enclosed at **Appendix 4** are complied with in their offer failing which the offer is liable to be rejected.
- 1.5 The bids can only be submitted in the name of the bidder in whose name the bid documents are issued. The tender papers shall be filled in and complete in all respects shall be submitted together with requisite information and Annexures. It shall be complete and free from ambiguity, change or interlineations.

The bidder's tender and any annotations or accompanying documentations shall be in English language.

Bidders should indicate at the time of quoting against this tender their full postal and E-mail addresses and also similar information in respect of their authorized agent(s) in India, if any.

Bidders shall digitally sign their proposal with the exact name of the firm to whom the contract is to be issued. The tender shall be duly signed and sealed by an executive officer of the bidder's organization.

Each file of the tender shall be digitally signed by a duly authorised executive officer.

Bidder shall clearly indicate their legal constitution and the person signing the tender shall state his capacity and also source of his ability to bind the bidder.

The power of attorney or authorization or any other document consisting of adequate proof of the ability of the signatory to bind the bidder, shall be annexed to the tender. This Organisation may reject outright any tender unsupported by the adequate proof of the signatory's authority. In the case of consortium the Bidder can submit bids on behalf of the consortium along with Memorandum of Understanding (MOU) giving the details of MOU.

or

The other members can participate in technical discussion and sign the minutes of such discussions. In the event said work having to be performed by a person/firm who is not member of the said consortium, the tenderer shall also specifically indicate the details name and address of such person/firm and shall be accompanied by valid proof of authority drawn in favour of consortium to bind such person/firm.

- 1.6 It must be ensured that each page of the tender including terms and conditions and Bid Evaluation Criteria (Annexures I, II,III,IV, V and VI) are digitally signed by bidder and submitted online at <.....>
- 1.7 Bidder should submit signed integrity pact.

2. DELIVERY OF TENDER

- 2.1 The tender will be on the basis of "Two bids system" and offers are to be submitted online at

"Technical Bids" having all details including the list of equipment to be supplied but with price column blanked out. There will be no mention of price anywhere in the "Technical Bid"

"Commercial Bid" will contain all the details of equipment to be supplied along with the price including Commercial Terms & Conditions.

Earnest money/Bid Bond shall be placed in a single sealed envelope superscripted with tender reference No. and date of opening so as to reach in Room No. 238, 2nd floor, DDB Tower-B, Doordarshan News, Doordarshan Bhawan, Mandi House, Copernicus Marg, New Delhi-110001 before scheduled time on prescribed tender opening date. EMD received late shall be summarily rejected. Hard copy of tender document shall not be accepted

All GTC attached with the invitation to tender are sacrosanct for considering any offer as a complete offer. It is therefore, important that all documents duly completed and signed are returned with your offer.

- 2.2 The right to ignore any offer which fails to comply with the above instructions is reserved.

- 2.3 Your offer must be submitted online not later than the time specified in the tender document, on the notified date of closing of the tender. Offers sent by hand delivery will not be accepted.
- 2.4 Any change in quotation after opening of tender will Not Be Considered.
- 2.5 Bidder must ensure that all the documents / files uploaded on e-procurement portal are in order and legible in all respect. This organisation will not be responsible for any documents / files illegible or corrupted due to any disruption / technical snag of internet service being used by the bidders.
- 2.6 Bidders are advised to upload their bids well in advance to avoid last minute technical snags.
- 2.7 Tele-fax / Email offers, whether received directly by this organisation or submitted by the local agents, in India, will not be considered.

3. VAGUE AND INDEFINITE EXPRESSION

Tenders qualified by vague and indefinite expressions such as "subject to immediate acceptance" or "Subject to prior sale" etc. will not be considered.

4. VALIDITY PERIOD OF OFFER

- 4.1 The Tender shall be valid for acceptance for the period as indicated in the "Invitation to Bid" (hereinafter referred to as validity period) and shall not be withdrawn on or after the opening of tenders till the expiration of the validity period or any extension thereof.
The offers of those bidders who have not kept the validity open till the period stipulated in the tender will be treated as un-responsive and will be ignored without making any back reference.
- 4.2 The tenderer will undertake not to vary/modify the tender during the validity period or any extension thereof.

5. OPENING OF TENDERS

- 5.1 The tender will be opened at the time specified in the tender document, on the date of opening indicated in the "Invitation to bid."
- 5.2 In case of unscheduled holiday on the closing/opening day of tender, the next working day will be treated as scheduled prescribed day of closing/opening of tender, the time notified remaining the same

6. PRICE

The tenderer is required to quote firm price in Indian Rupees in the prescribed format of price bid (Please refer Appendix-8). Price bids in any other format shall not be accepted. Applicable taxes should

be quoted separately. Doordarshan will have no liability to reimburse any tax/taxes not mentioned in the bid/tender.

6.1 CONSORTIUM

In the case of consortium, the bidder can submit bid on behalf of the consortium along with Memorandum of Understanding (MOU) duly signed by consortium partners. The MOU should contain all the details of agreement and its scope. The other members can participate in technical discussions and sign the minutes of such discussions. However, the bidder leading the consortium will be responsible to meet all the obligation of the contract.

6.2 Extension of Contract

The bidder/tenderer is advised to quote rates keeping in mind that the annual maintenance contract may be extended up to additional 12 months from the date of expiry of tendered period of 12 months on the same rate and terms and conditions on which the original contract has been awarded. It will be obligatory on the part of the contractor to execute such extension of contract if this Organisation so decides.

7. Eligibility criteria

- 7.1 Only firms having experience in installation/commissioning, operation/ maintenance of News channel in any time in last three years are eligible to bid. The firms will be required to submit documentary proof of experience duly certified by the concerned users.
- 7.2 The bidder is required to submit alongwith the bid due authorisation letters/agreement/support letters from major OEMs i.e. ENPS, SAM Quantel, Imagine, VizRT, Pebble Beach, etc for the existing Integrated News Production (INPS) at DD News Delhi. Without the said letters, the bid is liable to be rejected.
- 7.3 The firms should not be black listed by any department of Prasar Bharati.
- 7.4 Financial strength: Annual turnover of the firm should not be less than Rupees Two Crores (Rs. 2.0 Crores) in the last financial year 2018-19.
- 7.5 The firm has to provide the copies of PAN, GSTN & registration certificate, etc..

8. Scope of work:

The details of services is required as stated in invitation to Bid on terms specified in clause 2 of General Terms and Conditions at Annexure II. Any deviation must be clearly mentioned.

9. Acceptance of offer by Telex/Telegram/Fax/e-mail:

Acceptance by the Purchaser may be normally communicated by telex/Telegram/Fax/e-mail. In case where acceptance is communicated by telegram/telex/fax/e-mail the regular order will be forwarded as soon as possible but the instructions contained in the telegram/telex/Fax/e-mail should be acted upon immediately. With the issue of telegram/telex/Fax/e-mail of acceptance the contract shall be deemed to have concluded. Contract shall mean and include the invitation to tender/instructions to tenderers, tender, acceptance of tender, supply orders particulars and the general and special conditions specified in the acceptance of tender.

10. Specifications

- 10.1 Unless otherwise asked for, the tenderer must note that his/her offer, will be rejected in case the tender stipulations are not complied with or the services offered do not conform to the required specifications indicated therein. The lowest tender will be determined from among those tenders which are in full conformity with the required specifications.
- 10.2 In case the offers are for alternative specifications, the tender will clearly indicate as to how the services being offered will serve this Organisation's purpose and in what respect the offer differs from the required specifications.
- 10.3 If this Organisation finds that services offered are not according to required specifications or otherwise not satisfactory owing to any reason of which the Organisation will be the sole judge, the Organisation reserves the right to reject the tender without prejudice to other terms.

11. Bid Bond/Earnest Money/Security Deposit/Performance Bond:

11.1.1 Earnest Money /Bid Bond

11.1.2 The bidders must enclose with their technical bid, Earnest Money in the form of FDR, Bank Guarantee of a schedule Bank, in favour of PBBCI, DDO, Doordarshan News, DOORDARSHAN BHAWAN PAHSE-II, NEW DELHI or in lieu thereof bid bond in the enclosed Performa at appendix 3, from an Indian Public Sector Bank & rate specified in clause 5 of Invitation to Bid. The bid bond should initially be valid up to 60 days beyond period of Bid validity.

11.1.3 Offers without Earnest Money/Bid Bond of shorter validity will be ignored.

11.1.4 The Earnest money/bid bond deposited by the tenderer shall be forfeited by this Organisation in the following events:

- a) If tender is withdrawn during the validity period or any extension thereof.
- b) If tender is varied or modified in a manner not acceptable to this Organisation during the validity period or any extension of the validity duly agreed by the bidder.

- c) If a tenderer, whose tender has been accepted, fails to furnish Security deposit, performance bank guarantee within 30 (Thirty) days before the expiry of bank guarantee bid bond.

11.1.5 The earnest money/bid bond of unsuccessful bidders will be returned on finalisation of the tender. The earnest money/Bid Bond of successful bidder will be returned on receipt of security deposit/performance bond.

11.2 Security deposit /Performance Bond.

The successful bidder, within 15 (Fifteen) days of the receipt of order/advance order/letter of intent, will be required to send security deposit in the form of crossed bank draft in favour of, PBBCI, DDO, DOORDARSHAN NEWS, DOORDARSHAN BHAWAN PHASE-II, NEW DELHI or in lieu thereof Performance Bond for the amount as indicated in the "Invitation to Bid".

12. Transfer of Tender documents.

The tender is non-transferable.

13. Correspondence

13.1 E-Mail address is: ddge.ddnews@gmail.com

Tel: +911123097618 / +911123097662/ +911123097672

13.2 All correspondence from bidder shall be made to the Purchase Authority by name who has issued this tender.

13.3 All correspondence shall bear reference to tender/Work Order with date.

14. Payment terms

The payment will be made on successful completion of works every month. The contractor will submit bill amounting to 1/12th of their total contracted value of 12 months on monthly basis along with copy of certificate of rendering of satisfactory services during the previous month duly verified by the authorised representative of Dy. Director General (Engg.) , Doordarshan News, New Delhi.

15. Unsolicited Post Tender Modification

In case certain clarifications are sought by this Organisation after opening of tenders, then the reply of the bidder should be restricted to the clarifications sought. Any bidder who modifies his bid(including a modification which has the effect of altering the value of his offer) after the closing date without specific reference by this Organisation shall render the bid liable to be ignored and rejected without notice and without further reference to the

bidder. Canvassing in any form by the bidders shall also render the bid liable to be ignored and rejected without notice and without further reference to the bidder.

16. Clarification in respect of Incomplete offers.

This Organisation has to finalise this tender within a limited time schedule. Therefore, it may not be feasible in all cases for this Organisation to seek clarifications in respect of incomplete offers. Prospective bidders are advised to ensure that their bids are complete in all respects and conform to our terms and conditions and Bid Evaluation Criteria of the tender. Bids not complying with this Organisation's requirements may be rejected without seeking any clarifications.

17. Income Tax Liability

The bidder will have to bear all Income Tax liability both corporate and personal tax.

- (a) Income Tax , all levies & duties, as applicable on the contract value will be deducted at source from the bills.
- (b) Some State Government levy works contract tax/trade tax. Such tax shall be deducted at source. The bidder is advised to take this into account while submitting the bid and quote his rates inclusive of works contract tax/trade tax, conditions like "Works contract tax/trade tax as extra" shall not be accepted. It may be noted that works contract tax/trade tax when deducted shall not be refunded by the organisation.

18. Deleted

19. Evaluation/ Scrutiny of Bids.

Technical/commercial bids evaluation/ Scrutiny shall be undertaken in accordance with the prescribed procedure and as per the tender document by a Committee of the Organisation, duly constituted for this purpose. The technical evaluation would be based on (i) assessment of technical capability of tenderer/contractor to render the required services in accordance with the eligibility criteria as spelt out in tender document; (ii) capability of tenderer/contractor to provide the requisite operation & maintenance support at the site, within the time frame , as spelt out in tender document.

20. Evaluation of Commercial/Price bids:

The commercial/price bid of those bidders only will be opened who clear the technical evaluation criteria as spelt out in the tender document. The date of opening of the commercial /price bid will be intimated separately to such bidders , as spelt out in the tender document. The lowest bid (L1) based on the lump-sum price of the tender as per the Appendix-8 will be considered as successful bidder and for award of the CAMC of the INPS facility at DD News Headquarter, New Delhi.

21. Employment by firms to officials of this Organisation.

Firms / companies who have or had business relations with the Organisation, are advised not to employ serving employees of this Organisation without its prior permission or within the initial two year period after the retirement/resignation/severance from the service without specific permission of this Organisation. This Organisation may decide not to deal with such firms who failed to comply with the above advice.

21. Pre-Bid

A Pre-bid meeting will be held on **04/08/2020** at **1230 hrs** in room no. 427, Tower-B, Doordarshan Bhawan, New Delhi. The potential bidders may submit their queries at least one day in advance to Pre-bid meeting, at the correspondence address, highlighted above.

PROFORMA FOR BIDDERS TO ACKNOWLEDGE THE BID DOCUMENT

DDN/5(115)/AMC Automation System/2019-20G(E)

Dated:

Dear Sir,

We hereby acknowledge receipt of a complete set of Bid Documents pertaining to "Comprehensive Annual Maintenance of Integrated News Automation System at Doordarshan News, Doordarshan Bhawan Phase-II, Copernicus Marg, New Delhi against _____

We have noted that the closing date for receipt of the tender by you is the time specified in the tender document and opening at specified time and date.

We guarantee that the contents of the above said Bid Package will be kept confidential within our company and text of the said package shall remain the property of your Organisation and that the said documents are to be used only for the purpose intended by your Organisation.

Our address for further correspondence on this tender will be as under:

Fax No.
Telephone No.
E-Mail
Personal Attention of (If required):

Yours faithfully,

Signature of Authorised Signatory: _____
Name of the authorised signatory : _____
(in Block Capital letter)
Designation of the authorised signatory : _____
Date & Seal of the Company: _____

Note: To be submitted on the letter head of the company.

Bid Submission Form and Agreement

Tender No. DDN/5(115)/AMC Automation System/2019-20G(E) Dated

Dy. Director General (Engg.)
Doordarshan News
Doordarshan Bhavan, Phase II
Copernicus Marg
NEW DELHI -110001

Dear Sirs,

1. I/We hereby offer to provide the services required for Comprehensive Annual Maintenance of Integrated News Automation System at Doordarshan News, Doordarshan Bhawan Phase-II, Copernicus Marg, New Delhi as detailed in Annexure IV here to or such portion thereof as you specify in the Acceptance of Tender at the price given in the said schedule and agree to hold this offer open tillI/We shall be bound by the communications of acceptance dispatched within the prescribed time.
2. I/We have understood the "Instructions to Bidders", the instructions to the tenderers in the booklet DGS&D-229 and accepted the "conditions of contract" and the conditions of the contracts as contained in DGS&D-68 (R) for supply and have thoroughly examined the specifications detailed in the Annexure IV hereto and am/are fully aware of the nature of the services required and my/our offer is to provide services strictly in accordance with the requirements.
3. The following pages have been added to and form part of this tender.
4. Agreement at Appendix 2A on purchase of Tender documents and submission of Tender has been duly signed and returned herewith.

Yours faithfully,

Signature of Authorised Signatory: _____
Name of the authorised signatory : _____
(in Block Capital letter)
Designation of the authorised signatory : _____
Date & Seal of the Company: _____
Address of the company: _____
Signature of witness: _____
Address: _____

Note: To be submitted on the letter head of the company.

AGREEMENT

Tender No. DDN/5(115)/AMC Automation System/2019-20G(E) Dated

To

Dy. Director General (Engg.)
Doordarshan News
Doordarshan Bhawan Phase II
Copernicus Marg, NEW DELHI -110001

Sub:- Purchase Of Tender Documents

Ref:- Tender No. DDN/5(115)/AMC Automation System/2019-20G(E) dated

Prasar Bharati Doordarshan News acting on behalf of the President of India and the Tenderer agree that the Notice inviting Tenders (NIT) is an offer made on the condition that the Tender would be kept open in its original form without variation or modification for a period as mentioned in the invitation to bid the last date for the receipt of tenders stated in the N.I.T. and the making of the tender shall be regarded as an unconditional & absolute acceptance of this condition of the N.I.T. we further agree that the contract consisting of the above conditions of N.I.T. as the offer and the submission of Tender as the Acceptance shall be separate and distinct from the contract which will come into existence when tender is finally accepted by this Organisation. The consideration for this separate initial contract proceeding the main contract is that this Organisation is not agreeable to sell the N.I.T. to the Tenderer and to consider the tender to be made except on the condition that tender shall be kept open for (so many) days after the last date fixed for the receipt of tenders and the Tenderer desires to make tender on this condition after entering into this separate initial contract with this Organisation. This Organisation promised to consider the tender on this condition and the tenderer agrees to keep the tender open for the required period. These reciprocal promises form the consideration for this separate initial contract between the parties.

If Tenderer fails to honour the above terms and conditions this Organisation shall have unqualified, absolute and unfettered right to encash the bank guarantee for bid bond submitted on this behalf.

Yours faithfully,

(PURCHASER)

(One copy of this agreement duly signed must be returned along with the Technical Bid.

PROFORMA OF BANK GUARANTEE FOR BID BOND

Bank Guarantee No. _____

Ref :

To:

Dy. Director General (Engg.)
 Doordarshan News,
 Doordarshan Bhawan Phase-II,
 Copernicus Marg
 New Delhi-110001

Dear Sirs,

Whereas the Prasar Bharati (BCI), Dy. Director General (Engg), Doordarshan News, Doordarshan Bhawan Phase-II, Copernicus Marg, New Delhi-110001, having its head office at address of the organisation, New Delhi, India 110001 (hereinafter called the "**Organisation**") which expression shall, unless repugnant to the context or meaning thereof, include all its successors, administrators, executors and assignees has on behalf of the President of India floated a Tender No. DDN/5(115)/AMCAutomationSystem/2019-20G(E)_____

Dated _____ and M/s _____
 having Registered/head office at _____
 (Hereinafter called the "**Tenderer** ") which expression shall, unless repugnant to the context or meaning thereof, mean and include all its successors, administrators executors and assignees have submitted a quotation Reference No. _____ and tenderer having agree to furnish as a conditions precedent for participation in tender as unconditional and irrevocable bank guarantee of Rs. _____

(Rupees _____ Only) for the due performance of tenderer/'s obligations as contained in the terms of the Notice inviting Tenders (NIT) and other terms and conditions contained in the Tender Documents supplied by the Organisation specially the conditions that (a) tenderer shall keep his tender open for a period of day, i.e., from _____ to _____ or any extension thereof, and shall not withdraw or modify it in a manner not acceptable to the Organisation (b) the tenderer will execute the contract, if awarded, and shall furnish performance guarantee in the format prescribed by the Organisation within the required time. The tenderer has absolutely and unconditionally accepted these conditions. The Organisation and the tenderer have agreed that NIT/tender document is an offer made on the condition that the tender, if submitted would be kept open in its original form without variation or modification in a manner not acceptable to the Organisation for a period of _____ days, i.e., from _____ to _____ or any

extension thereof and that making of the tender itself shall be regarded as an unconditional and absolute acceptance of the conditions, contained in NIT and the tender documents. They have further agreed that the contract consisting of NIT/Tender documents as the OFFER and submission of the tender as the acceptance shall be a separate contract distinct from the contract which will come into existence when the tender is finally accepted by the Organisation. The consideration for this separate initial contract preceding the main contract is that the Organisation is not agreeable to sell the NIT/tender documents to the tenderer and to consider the tender to be made except on the condition that the tender shall be kept open for the period indicated above and the tenderer desires to make a tender on this condition after entering into this separate initial contract with the Organisation promises to consider the tender on this condition and tenderer agrees to keep this tender open for the required period. These reciprocal promises form the CONSIDERATION for this separate initial contract between the parties.

2. Therefore, we _____
registered (indicate the name of Bank)

under the laws of _____ having head/registered office at _____ (hereinafter referred to as the "Bank" which expression shall, unless repugnant to the context or meaning thereof, include all its successors, administrators and executors hereby issue irrevocable and unconditional bank guarantee and undertake to pay immediately on first demand in writing to the Organisation and all money to the extent of Rs _____ (Rupees _____ only) at any time immediately on such demand without any demur, reservations, recourse, contest or protest and/ or without any reference to the tenderer and any such demand made by the Organisation on the bank shall be conclusive and binding notwithstanding any difference between organisation and the tenderer or any dispute pending before any court arbitrator or any other matter whatsoever. We also agree to give that Guarantee herein the this Organisation in writing. This guarantee shall not be determined/discharged/affected by the liquidation, winding up, dissolution or insolvency of the tenderer and will remain valid, binding and operative against the bank.

3. The bank also undertakes that the Organisation at the option shall be entitled to enforce this guarantee, against the Bank as a principal debtor, in the first instance, without proceeding against the tenderer.

4. The bank further agree that as between the bank and the Organisation, purpose of the guarantee, any notice of the breach of the conditions contained in NIT and other terms and conditions contained in the Tender Documents as referred above given to the bank by the Organisation shall be conclusive and binding on Bank, without any proof, notwithstanding any other matter or difference or dispute whatsoever. We further agree that this guarantee shall not be affected by any change in our constitution, in the constitution of the Organisation or that

of the tenderer. We also undertake not to revoke, in any case, this Guarantee during its currency.

5. The bank agree with the Organisation that the Organisation shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms of the tender or get extension of the validity period from time to time. We shall not be relieved from our liability by reason of any such variation or extension of the validity period or for any forbearance, act of omission and commission on the part of the Organisation or any indulgence shown by the Organisation to the said tenderer or by any such matter or thing whatsoever which under the law relating to sureties, would, but for this provision, have the effect of so relieving us.
6. Notwithstanding anything contained here in above our liability under his Guarantee is limited to Rs (Rupees _____only) in aggregate and it shall remain in full force upto and including 60 days after _____ unless extended further (indicate the last date of validity period) from time to time, for such period as may be instructed _____ in _____ writing _____ by _____ M/s _____ on whose behalf this guarantee has been given, in which case, it shall remain in full force upto and including 60 days after the expiry of extended period. Any claim under this guarantee must be received by us before the expiry of 60 days from _____ or (indicate the last date of validity period) before the expiry of 60 days after the expiry of extended period, if any, if no such claim has been received by us within 60 days after the said date/extended date, the rights of the Organisation under this guarantee will cease subject to para 8. However, if such a claim has been received by us within and upto sixty days after the said date/extended date, all right of the organisation under this guarantee shall be valid and shall not cease until we have satisfied that claim.
7. In case contract is awarded to the tenderer here in after referred to as "Contractor" the validity of this Bank Guarantee will stand automatically extended until the contractor furnished to the Organisation a bank guarantee for Rs _____(in figure) Rupees _____ only (in words) towards performance guarantee for satisfactory performance of the contract. In case of failure to furnish performance bank Guarantee in the format prescribed by this Organisation by the required date the claim must be submitted to us within 120 days after the last date of validity period or extended period, if any. If no such claim has been received by us within 120 days after the said date /extended date, rights, of the organisation under this guarantee will cease. However if such a claim has been received by us within and upto 120 days after the said date/extended date all rights of the Organisation under this guarantee shall be valid and shall not cease until we have satisfied that claim.

8. The Bank confirms that this guarantee has been issued with the approval of appropriate Control Authority in _____.

The bank confirms that this guarantee has been issued with observance of the appropriate Exchange Control rules and Regulations of the country.

In witness where of the Bank, through its authorised officer, has sent its hand & stamp on this _____ day of _____ at _____ of _____ (month & year)

Witness No.1
Signature

Signature	(Full name in capital Letters)
(Full name and address in capital letters)	Designation with bank stamp

Witness No. 2

Signature	Attorney as per power of attorney
(Full name and address in capital letters)	No _____
	Date _____

INSTRUCTIONS FOR FILLING UP BANK GUARANTEE FOR BID BOND

1. The bank guarantee should be stamped in accordance with Stamp Act.
2. The non-judicial stamp paper should be in the name of the issuing bank.
3. Bank Guarantee is to be given in Indian Rupees only.
4. The period of sixty (60) days mentioned in clause 6 and one hundred twenty (120) days as given in clause 7 of Appendix-3 should be available after the expiry of the validity period of the tender or any extension thereof.
5. The bank guarantee by bidder/ Tenderer will be given from Nationalised/ scheduled Bank only.

CHECK LIST

The tenderers are advised in their own interest to ensure that the following points/aspects in particulars have been complied with in their offer failing which the offer is liable to be rejected.

1. Please tick the box whichever is applicable and across the box (es) whichever is/are not applicable.
2. Please sign each sheet.
3. The check list duly filled in must be returned along with the offer.

COMMERCIAL

GROUP: "A"

- 1.1 Whether FDR/Bank guarantee for the requisite earnest money/Bid Bond enclosed with the offer.

Yes

No

- 1.2 If so furnish the following
 - (I) Name of the Bank
 - (II) Value
 - (III) Number
 - (IV) Date of Issue
 - (V) Period of validity of the FDR/Bank Guarantee
(it should not be for less than 180 days)

Signature of Authorised Signatory: _____

Name of the authorised signatory : _____
(in Block Capital letter)

Designation of the authorised signatory : _____

Date & Seal of the Company: _____

Note: To be submitted on the letter head of the company.

2. Have the rates, prices and totals etc. been checked thoroughly before signing the tender

Yes

No

3. Has a statement incorporating the deviations from the commercial terms and conditions of the Organisation been prepared and enclosed with the offer.

Yes

No

4. Whether prices have been quoted Ex Doordarshan News, Doordarshan Bhawan, Copernicus Marg, New Delhi?

Yes

No

5. Whether fixed monthly rates/ annual rates have been quoted uniformly for the entire contract period?

Yes

No

6. Whether the period of validity of the offer is as required in tender document? If not, mention the extent of variation in days.

Yes

No

7. Whether the offer has been signed indicating full name and clearly as to whether it has been signed as.

Secretary

Manager

Partner

Sole Proprietor

Active partner

Preprocuraterium

8. If the tenderer is seeking business with this Organisation for the first time, has he given the details of the parties to whom the tendered services have been provided in past along with their performance report?

Yes

No

Signature of Authorised Signatory: _____

Name of the authorised signatory: _____

(in Block Capital letter)

Designation of the authorised signatory: _____

Date & Seal of the Company: _____

Note: To be submitted on the letter head of the company.

9. Whether the offer is being sent in separate covers for Technical bid and Commercial bid with appropriate superscription and with both the covers duly sealed subscribed with tender No and closing/opening date?

Yes No

10. Has the tender been submitted in duplicate?

Yes No

11. Is the offer being sent by Registered post or proposed to be dropped in tender Box?

Sent by Registered Post		Dropped in Tender Box	
Yes	No	Yes	No

12. Has it been ensured that there are no over-writings in the tender? Have corrections been properly attested by the person signing the tender?

Yes No

13. Are the pages of the tender consecutively numbered and an indication given on the front page of the tender as to how many pages are contained in the tender?

Yes No

14. Has the tender been prepared in sufficient details/clarity so as to avoid post tender opening clarifications amendments?

Yes No

15. Whether Schedule-I/II of the tender in original, duly filled in and each page of Annexure I and II signed and enclosed with the offer?

Yes No

16. Whether Failure and Termination Clause of the tender is accepted

Yes No

17. If not, the clauses not accepted may please be indicated below:-

Signature of Authorised Signatory: _____
Name of the authorised signatory: _____
(in Block Capital letter)
Designation of the authorised signatory: _____
Date & Seal of the Company: _____

Note: To be submitted on the letter head of the company.

GROUP "B"

1. Whether a copy of PAN Card duly attested by the proprietor has been enclosed?

Yes

No

2. Whether detail of your registration under GST has been indicated in the offer?

Yes

No

(Signature of the Bidder)

Signature of Authorised Signatory: _____

Name of the authorised signatory : _____
(in Block Capital letter)

Designation of the authorised signatory : _____

Date & Seal of the Company: _____

Note: To be submitted on the letter head of the company.

7. Do you have a service centre in India ?

Yes

No

If Yes furnish details of all service centres in India (Addresses) & the strength of service engineers available & their area of expertise.

8. Whether you have enclosed details of your related work experience? Whether you have enclosed necessary authorization letter from OEMs as spelt out in the tender document? Whether necessary document in support of financial strength, as spelt out in the eligibility criteria, is submitted?

Yes

No

9. Whether Annual Turn-over document for last three financial years submitted?

Yes

No

Signature of Authorised Signatory: _____
Name of the authorised signatory : _____
(in Block Capital letter)
Designation of the authorised signatory : _____
Date & Seal of the Company: _____

Note: To be submitted on the letter head of the company.

EXCEPTION/DEVIATION PROFORMA

This organisation expects the bidders to fully accept the terms and conditions of the tender document. However, should the bidder still envisage some exception/ deviations to the terms and conditions of the tender documents, the same should be indicated here and put in unpriced bid. The price effect for withdrawal of such exception(s) to be indicated in the price bids only. If this proforma is left blank, then it would be presumed that bidder has not taken any exception/deviations to the terms and conditions of the tender documents.

Clause No. of Tender document	Full compliance not agreed	Exception/ deviation taken by Bidder	Confirmation if price effect for withdrawal of this exception has been specified in the Price Bid	Remarks

Signature of Authorised Signatory: _____
Name of the authorised signatory : _____
(in Block Capital letter)
Designation of the authorised signatory : _____
Date & Seal of the Company: _____

Note: This appendix must be submitted on the letter head of the company.

BIDDERS PAST WORK EXPERIENCE PROFORMA

Sl. No	Order no. With Date & reference	Description in detail of the ordered work/ services	Period of work/ services offered	Work/ Services Render Successfully	Name & Address of client with telephone, Fax, e-mail details for getting feedback of work/services rendered	Remarks

Note: Experience certificate from clients should be enclosed along with this proforma. Doordarshan reserves the right to get performance feedback from any of the clients in respect of work/services rendered by the tenderer

Signature of Authorised Signatory: _____
Name of the authorised signatory : _____
(in Block Capital letter)
Designation of the authorised signatory : _____
Date & Seal of the Company: _____

Note: This appendix must be submitted on the letter head of the company.

BIDDERS INFORMATION PROFORMA

Tenderer must give specific answers against each of the following questions.

Tender No. DDN/5(115)/AMC Automation System/2019-20G(E) Due for opening

1. Whether services offered conform to particulars quoted at Annexure-IV, if not, details of deviations must be stated here.
2. Details of work experience.
3. Period by which the contract can be made effective after placement of work order but within one month of placement of work order.
4. Here please state specifically whether the price tendered by you, as to the best of your knowledge and belief, is not more than the price which is permissible to you to charge other organization purchaser for the same class and description of services under the provision of any law for the time being in force. If not, state the reason and margin of profit.
5. Business name and constitution of tendering firm. Is the firm registered under?
 - (i) The Indian companies Act, 1913.
 - (ii) The Indian Companies Act, 1932/1956
 - (iii) Any other Act, if not who are owners?
(Please give a full name).
6. GST number
7. Annual turnover for last 3 years: 2016-17 , 2017-18 , 2018-19
8. Present worth of tendering firm.

Signature of Authorised Signatory: _____
Name of the authorised signatory : _____
(in Block Capital letter)
Designation of the authorised signatory : _____
Date & Seal of the Company: _____

PRICE BID

Schedule of Rates

(To be filled in by Tenderers)

Tender No . DDN/5(115)/AMC Automation System/2019-20G(E) Tenderer's Name _____

Country of Origin _____ Due Date _____

Tenderer's Quotation No. _____ Currency _____

Validity of Quotation _____

S No	Description of Work	Period	Unit	GST, levies and duties with break up details		Total Price (lump-sum price) for one year including GST, levies, duties
				Rate per month Without taxes	Rate for One year without taxes	
1.	Maintenance of Proprietary items	12 Months				
2.	Maintenance of Generic Hardware & Software					
3.	Manpower hiring charges					
	Total (In figure)					
	(In words)					

Note : The L-1 bidder will be decided on the basis of total cost value of all three components.

Additional Information (if any):

Signature of Authorised Signatory: _____

Name of the authorised signatory : _____

(in Block Capital letter)

Designation of the authorised signatory : _____

Date & Seal of the Company: _____

No.

To,
DY. DIRECTOR GENERAL (ENGG.)
DOORDARSHAN NEWS,
DOORDARSHAN BHAWAN PHASE-II,
COPERNICUS MARG
NEW DELHI-110001.

**Subject: Tender No. DDN/5(115)/AMC Automation System/2019-20G(E)
due on _____**

Sir,

Shri _____

has been authorised to be present at the time of opening of above tender due on
_____ at New Delhi on my/our behalf.

Yours faithfully,

Signature of Authorised Signatory: _____

Name of the authorised signatory : _____

(in Block Capital letter)

Designation of the authorised signatory : _____

Date & Seal of the Company: _____

Copy to : Shri _____ for
information and for production before the time of opening of tenders.

General Terms And Conditions (GTC)

(Each page must be signed and returned along with your offer)

Definitions

Unless inconsistent with or otherwise indicated by the context, following terms stipulated in this ORDER shall have the meaning as defined hereunder.

1.1 Order

Shall mean written purchase/work order issued by this organisation to the successful bidder including subsequent amendments to ORDER in writing thereof.

1.2 The Organisation/Purchaser

Shall mean PRASAR BHARATI (BCI), DY. DIRECTOR GENERAL (ENGG.) DOORDARSHAN NEWS, DOORDARSHAN BHAWAN PHASE-II, COPERNICUS MARG, NEW DELHI, INDIA, acting on behalf of President of India shall include all their legal representatives, successors and assignees.

1.3 Supplier/Contractor

Shall mean any person or persons of firm or company in India as well as abroad whose bid has been accepted by this Organisation and the legal representation, representatives, successors and permitted assignee of such person, persons, firm or company.

1.4 Sub-Contract

Shall mean ORDER placed by the SUPPLIER for any portion, of the ORDER or work subletted with necessary written consent of this Organisation on third party. Such sub-letting shall not relieve the contractor from any obligation, duty or responsibility under the Contract.

1.5 Sub-Contractor

Shall mean any person or persons or firm or their legal representatives, successors, assignees to whom part of ORDER has been sub-letted by the SUPPLIER after necessary consent of this Organisation.

1.6 ORDER PRICE

Shall mean the sum accepted or the sum calculated in accordance with the rates accepted by this Organisation and amendments thereof and shall include all fees, registration and other charges paid to statutory authorities without any liability on the Organisation for any of these charges unless specially agreed to, in writing by this Organisation.

1.7 ACCEPTANCE OF SERVICE CONTRACT PERIOD

Shall mean within 15 days from date of mailing/E-mailing of service contract order and the contractor/Service Provider shall confirm acceptance of this order in its entirety within this 15 days period.

1.8 DESTINATION

Shall mean Doordarshan News, Doordarshan Bhawan Phase-II, Copernicus Marg, New Delhi, i.e. the location of the consignees for which this ORDER has been issued.

1.9 EQUIPMENTS/MATERIALS/SERVICES

Equipments/Material shall mean and include any equipment, instruments stores and goods to be supplied for under the order and amendments thereto. Services shall mean maintenance of all hardware and software services & support for all the listed items.

1.10 DRAWINGS

Shall mean and include all Engineering sketches, general arrangements, layout drawing related to the ORDER together with modification and revision thereto.

1.11 SPECIFICATIONS

Shall mean and include detailed description, statements to technical data, performance characteristic and standards (Indian as well as international as applicable and as specified in the order).

1.12 APPROVAL

Shall mean and include the written consent either manuscript, typewritten or printed statement under or over signature or seal as the case may be of this Organisation or the representative or documents or other particulars in relation to the ORDER.

1.13 F.O.R./F.O.B./FAS, C&F, CIF

Shall mean the terms as explained in INCO terms.

2. SCOPE OF ORDER

2.1 Scope of the order shall be as defined in the ORDER, specifications, drawings and annexures thereto.

- 2.2 Completeness of the offer shall be the responsibility of the bidder & any services which may not be specifically mentioned in the specifications but which are usual or necessary for the satisfactory maintenance of the News Automation system shall also be provided by the supplier/contractor without any extra cost.
- 2.3 The contractor shall follow the best modern practice in rendering high grade services notwithstanding any omission in that the bidder shall in all respects provide all services related to proper functioning of News automation system to the entire satisfaction of the Organisation.

2.4 WORK TO BE CARRIED OUT UNDER THE ORDER

All equipment work to be carried out under the order shall conform to and comply with the provision of relevant regulations/Acts (State Govt. or Central Govt.) as may be applicable to the type of equipment/work carried out and necessary certificate shall be furnished.

- 2.5 On completion of the AMC period, the Supplier/Contractor shall handover the entire News automation system detailed in the tender document in perfect working condition within seven days from the date of expiry of AMC to the authorized representative of Dy. Director General (Engg.) Doordarshan News Delhi

3. ACCEPTANCE OF ORDER

- 3.1 Within fifteen (15) days from date of mailing of order, Supplier /Contractor shall confirm acceptance of the order in its entirety.
- 3.2 The order is accepted unconditionally by Supplier /Contractor by returning to this Organisation copy of the order duly signed, without qualification.
- 3.3 When the Contractor has accepted the order with all its terms and conditions, bidders with general sales conditions and all previous correspondence are considered superseded and void.
- 3.4 Should Supplier/Contractor not respect the time limit for the Confirmation of the order or in case Supplier /Contractor cannot accept the order without qualifications, this Organisation reserves the right to cancel in writing without prejudice to other terms, the entire order. Under these circumstances the earnest money/bid bonds given by the supplier/Contractor will be forfeited in full.

4. MODIFICATION IN ORDER

- 4.1 All modifications leading to changes in the order with respect to technical and commercial aspects, including terms of delivery, shall be considered

valid only when accepted in writing by this Organisation by issuing amendment to the order.

- 4.2 This Organisation shall not be bound by any printed conditions, provision in the Supplier /Contractor BID, forms of acknowledge of ORDER, invoice, packing list and other document, which purport to impose any condition at variance with or supplement to order.

5. SECURITY DEPOSIT/PERFORMANCE BOND.

- 5.1 The successful bidder, within 15 (Fifteen) days of the receipt of order/letter of intent will be required to send Security Deposit in the form of Bank Draft or in lieu thereof a Bank Guarantee from an Indian Public Sector Bank for amount as indicated in the Invitation to Bid. The security Deposit/Performance bond shall be 10 % of the ordered value of contract.
- 5.2 The security money may be deposited in the form of Bank Draft/Bank guarantee in the proforma enclosed as Appendix to these General Terms and Conditions (GTC).
- 5.3 This Organisation shall not be liable to pay any Bank Charges, Commissions or interest on the amount of security deposit/Performance Bond.
- 5.4 Security deposit/FDR, Performance Bond shall be refunded to the supplier after the successful completion of the contract period including extended period, if any as stipulated in the work order.

6. MATERIALS AND WORKMANSHIP

- 6.1 Unless some special warranty/Guarantee clause has been stipulated elsewhere in the invitation to the tender or any of its Annexure, the following warranty shall form part of the contract placed on successful tender:-
- 6.2 SUPPLIER shall fully warrant that all the spares, stores, Equipment and components replaced during the contract period under the order shall be fully functional & reliable and of first quality according to the specifications and shall be free from defects (even concealed fault, deficiency in design, materials and workmanship).
- 6.3 Damage to the machinery and/or equipment or any part of the system due to incomplete and erroneous instructions issued by Supplier /Contractor or any of its representatives will be the responsibility of the Supplier /Contractor and will be treated according to the provisions of warranty clause.
- 6.4 In case defects are of such nature that equipment shall have to be taken to Supplier /Contractor's works for rectification etc. In which case Supplier /Contractor shall take the equipment at his cost after giving necessary undertaking as may be required by the Organisation. After repairs Supplier

/Contractor shall deliver & install the original equipment in the system at site. All risks in transit to and fro shall be borne by the Supplier/Contractor. The Supplier /Contractor may in such case have to provide the service or replacement of equipment during this period for maintaining uninterrupted services.

- 6.5 If the Supplier /Contractor fails to honour his obligation to repair or replace defective goods/equipment/system or part of the News automation system within time frame spelt out in the tender document, or if the Supplier /Contractor refuses to carry out repair work during any time of the contracted period, if danger is anticipated or in case of severe urgency, the Organisation shall be entitled to carry out, at Supplier /Contractor's cost and risk, repair work or replacement deliveries or have it done by a third party. In case not all the services related to the system have been delivered by the Supplier /Contractor, this Organisation is entitled to get the works done at Supplier /Contractor's cost and risk. This does not relieve Supplier/Contractor's of any of his contract obligations. Taxes and duties of any kind whatever imposed by the authorities of the country of the supplier or his sub contractors until delivery shall be borne by Supplier /Contractor.
- 6.6 All the tools & test/measuring equipments needed for maintaining proper operations of complete News Automation system along with the support system as described elsewhere shall be arranged by the Supplier /Contractor at his own cost .
- 6.7 The Supplier /Contractor shall supply the bio-data of staff supported by necessary documents & obtain Entry Passes before putting them on system maintenance. The Supplier /Contractor will take care of the safety of his staff while they are working on the system. The character & conduct of his staff shall be the sole responsibility of the Supplier/Contractor. The Supplier /Contractor & his/her staff shall observe the security rules in force while working in Doordarshan Bhawan Complex.
- 6.8 The Supplier /Contractor shall be responsible for all types of accidents during course of the execution & shall be liable for paying compensation to his staff deployed for this purpose as well as to the department for the damages.
- 6.9 The Supplier /Contractor should have landline & mobile telephone connections for urgent communication. Further other necessary infrastructure should also be available at his works /premises. Similarly, each of the important team members actually attached with the AMC should have Mobile Telephone. All these telephone numbers should be provided to the News.

7. PERFORMANCE GUARANTEE

- 7.1 The Supplier /Contractor shall guarantee that the performance of the spares supplied/replaced during the contract period shall be from the original manufacturer and in conformity with specification and shall perform the duties specified under the order.

- 7.2 The Supplier /Contractor shall guarantee that the materials/equipment that shall be purchased from the sub-contractor(s) shall be such as to fulfil the requirements laid down vide para 6.1 to 6.9 above and shall undertake to ensure fulfilment of these requirement(s).

8 DAMAGES

If the organisation finds that the spares/material supplied in replacement to the defective ones are not from the original manufacturer and are not in accordance with the specifications and other condition stated in the order (of which matters this Organisation will be the sole judge), and if the down time of any or more part of the system is more than the stipulated time, this Organisation shall be entitled to levy the liquidated damages as detailed in Annexure-V.

The organisation also reserves the right to recover from the Supplier /Contractor any loss which the organisation may be put to also reserving the right to forfeit the security deposit/performance bond if any made for the due fulfilment of the contract in addition to penalty levied.

9. FAILURE AND TERMINATION CLAUSE

Rendering of timely and quality service to the full satisfaction of the organisation shall be the essence of the contract. If the Supplier /Contractor fails to deliver the services to the full satisfaction of the organisation due to any reason(s) whatsoever, or at any time repudiates the contract **or breach all or any of the term of the contract/agreement**, the organisation may without prejudice to any other right or remedy, available as per following :-

- a) Recover from the Supplier/Contractor by way of liquidated damages as detailed in Annexure-V.
- b) Get the fault attended through other source on the account and at the risk of the Supplier /Contractor, of the repairs not carried out by the Supplier /Contractor by serving prior notice to the contractor.
- c) Cancel the contract by serving prior notice to the contractor and if so desire authorise the service or stores/spare parts or others of a similar description (where services/stores exactly are not complying in the opinion of the organisation) to be obtained from other source to maintain the services, at the risk and cost of the Supplier /Contractor. If the Supplier /Contractor had defaulted in the performance of the original contract, the organisation shall have the right to cancel the contract, and where the contract is terminated at the risk and cost of the Supplier /Contractor under the provisions of this clause, it shall be in the discretion of the organisation to exercise his discretion to forfeit or not, the Security deposit/Performance Bond of the Supplier/Contractor on whom the contract is placed, at the risk and expense of the defaulted contractor.
- (d) It may further be noted that clause (a) above provides for recovery of liquidated damages for delay in attending faults, the amount thus accrued will be recovered by the organisation from the bill for payment of the cost

of services already rendered by the Supplier /Contractor in accordance with terms of work order.

- (e) Notwithstanding anything stated above, repairs or AMC services will be deemed to have been carried out only when all its functions and related functions are fully made functional. If certain part is not repaired in time, then the repair will be considered as delayed until such time all the parts are made fully functional.

10. HANDING OVER/TESTING OF SYSTEM

On completion of the contract period, the contractor will handover the complete News automation system in fully operational condition to the authorised representative of Dy. Director General (Engg.) Doordarshan News Delhi.

11. SUBLETTING AND ASSIGNMENT

The Supplier /Contractor shall not sublet, transfer or assign the contract or any part thereof or interest therein or benefit or advantage thereof in any manner whatsoever, provided nevertheless that any such consent shall not relieve the contractor from any obligation, duty or responsibility under the contract.

12. INTERCHANGEABILITY OF PARTS

- 12.1 If against any defective item(s), it becomes necessary to supply spare parts being of different part other than original, the Supplier /Contractor shall be required to give the following certificate to the organisation before replacing spare parts bearing different parts numbers.

"It is certified that the changed part numbers are exact replacement of defective parts and are suitable for and will fit in equipment/machines and the existing fittings for which they are intended without in any way affecting the efficiency and quality of performance of the equipment/machines."

13. FORCE MAJEURE

In the event of either party being rendered unable by force majeure to perform any obligation required to be performed by them under the contract. If any concluded the relative obligation of the party affected by such force majeure lasts. The terms "Force Majeure" as implied here in shall mean acts of God, War, Civil riots, fire directly affecting the performance of the contract, floods and Acts and Regulations of respective

Government of the two parties, namely the Organisation and the contractor. Both upon the occurrence of such cause and upon its termination, the party alleging that it has been rendered unable as aforesaid shall within **Seventy two hours** of the alleged beginning and ending thereof giving full particulars and satisfactory evidence in support of its claim. If deliveries/ AMC services OR Repair of equipment (s) etc. provided by the Supplier /Contractor are suspended by force majeure conditions lasting for more than **Seven days**, the Organisation shall have

the option of cancelling this contract in whole or part at its discretion without any liability on its part.

14. LANGUAGE/TERMINOLOGY

The Supplier /Contractor shall ensure the language/terminology/description of goods used in supply order/bill of lading/Invoice is verbatim in English.

15. REPEAT ORDER

The bidder/tenderer is advised to quote the rates keeping in mind that the Comprehensive Annual Maintenance Contract (CAMC) can be extended upto additional one year on the same terms and conditions on which the original contract has been issued. It will be obligatory on the part of the contractor to execute such repeat order also.

16. APPLICABLE LAW

This contract, including all matters connected with this contract, shall be governed by the Indian laws, both substantive and procedural, for the time being in force and shall be subject to the exclusive jurisdiction of Delhi Courts.

17. CONFIDENTIALITY

During the course of implementing the transactions contemplated hereby or providing the services hereunder and during the course of the relationship contemplated hereby either party may become aware of the other's business information, lists, marketing plans or strategies, methods of doing business, or similar information which either party designates, either orally or in writing, to be of a confidential or proprietary nature, or which either party has reason to believe should be treated as such, including technical drawings, designs and concepts; software programmes, routines, formulae and concepts; production plans, designs, layouts and schedules, plans data and surveys; all matters relating to the either party's finances and personnel (collectively, the "Business Information")

Both Parties shall:

- (a) Protect and maintain the confidentiality of the Business Information;
- (b) Not disclose, or allow to be disclosed, the Business information to any party other than its employees, officers or directors who have a need to know in order to perform the services or are under a binding obligation of confidentiality with respect to any such information;
- (c) Not use the Business information for any purpose other than to perform the services under this AMC; and

- (d) Treat all Business information of the other party with the same degree of care to avoid disclosure to third parties as is used with respect to either party's Business information, but not less than a reasonable degree of care.

Except to the extent required to permit either party to carry out its obligations hereunder, either party shall neither disclose to any person, firm, partnership or corporation nor use any technical information with respect to the products or literature furnished by either party hereunder and vice versa.

PROFORMA FOR BANK GUARANTEE FOR PERFORMANCE BOND

(To be stamped in Accordance with stamp Act)

The Non-judicial stamp paper should be in the name of issuing Bank.

Ref: Bank Guarantee No.

To

PRASAR BHARATI (BCI), DOORDARSHAN NEWS, DOORDARSHAN BHAWAN PHASE-II, COOPERNICUS MARG, NEW DELHI-110001

Dear Sirs,

1. In consideration of PRASAR BHARATI (BCI), DOORDARSHAN NEWS, DOORDARSHAN BHAWAN PHASE-II, NEW DELHI- having its head office at New Delhi India. (herewith referred to as the Organisation which expression shall, unless repugnant to the context or meaning thereof, include all its successors, administrators, executors and assignees and having entered into a contract dated (hereinafter called "the contract" which expression shall include all the amendments thereto) on behalf of the President of India with M/s _____ having its Head/Registered office at _____ (hereinafter referred to the contractor which expression unless repugnant to the context having been executors and assigns) and the contract having been unequivocally been accepted by the contractor resulting in a contract bearing No. _____ dated _____ valued at Rs. _____ (Rupees _____ (in words) for having agreed that the contractor shall furnish to the organisation performance guarantee for the faithful performance of the entire contract to the extent of 10% of the of the value of the contract Rs. _____ (In words). We _____ (Name of the Bank) having its registered _____ unless repugnant to the context or meaning thereof, include all its successors, administrators, executors and assignees do hereby guarantee and undertake to pay immediately on first demand in writing, in Rupees or in such convertible currency as acceptable to the Organisation any and all moneys the extent of Rupees _____ (in words) In aggregate at any time without any demur, reservations, recourse, contest or protests and/or without any reference to the contractor. Any such demands made by the Organisation on the Bank shall be conclusive and binding notwithstanding any difference between the Organisation and contractor or any dispute pending before any court Arbitrator or any other authority. We agree that guarantee herein contained shall be irrevocable and shall continue to be enforceable till it is discharged by the Organisation in writing.

2. The Organisation shall have the fullest liberty without affecting in any way the liability of the Bank under this guarantee, from time to time to extend the time for performance of the contract by the contractor or vary the terms of the contract. The Organisation shall have the fullest liberty without affecting this guarantee to postpone from time to time the exercise of power vested in them or of any right which they might at anytime in any manner, and either to enforce, or to forebear to enforce, any covenants contained or implied in the contract between the Organisation and the contractor or any other course or remedy or security available to the Organisation. The Bank shall not be released of its obligations under these presents by any exercise by the organisation of its liberty with reference to matter aforesaid or any of them or by reason of any other act of forbearance or other acts of omission or commission on the part of the organisation or any other indulgence shown by the organisation or by any other matter or thing whatsoever, which under law would, but for this provision, have the effect of relieving the Bank.

3. The Bank also agrees that the Organisation at its option, shall be entitled to enforce, this Organisation against the Bank as a principal debtor, in the first instance, without proceeding against the contractor and notwithstanding any security or other guarantee that the Organisation may have in relation to the contractors liabilities.

4. The Bank further agrees that the Guarantee herein contained shall remain in full force during the period that is taken for the performance of the contract i.e. complete delivery of the material/equipment as the same is a condition of supply contract and all the dues of the Organisation under or by virtue of this contract, have been fully paid and its claim satisfied or discharged or till the Organisation discharge this guarantee in writing.

5. We further agree that as between us and the Organisation for the purpose of this guarantee any notice given to us by the Organisation that the money is payable by the contractor and any amount claimed in such notice by the Organisation shall be conclusive and binding on us notwithstanding any difference between the Organisation and the contractor or any dispute pending before any court, Tribunal, Arbitrator or any other authority. We further agree that this Guarantee shall not be affected/discharged by any change in our constitution, in the constitutions of the Organisation that of the contractor. We also undertake not to revoke this guarantee during its currency. This guarantee shall not be determined discharged or affected by the liquidation, winding up, dissolution or insolvency of the contractor and shall remain valid, binding and operative against the Bank.

6. Notwithstanding anything contained herein above, our liability under this order is limited to Rs. (Rupees) (In figure) (In words) in aggregate and it shall remain in full force up to and including 60 days after (Indicate the date of expiry of Guarantee/Warranty period) unless extended further, from time to time, for such period as may be instructed in writing by M/s-on whose behalf this guarantee has been given, in which case it shall remain in full force up to

the expiry of the extended period. Any claim under this order must be received by us before the expiry of 60 days from _____
(indicate the date of expiry of contract period) or before the expiry of the 60 days after the expiry of extended period, if any, If no such claim has been

received by us within the 120 days after the said date/extended date, the right of the Organisation under this order will cease,. However, if such a claim has been received by us within and up to 120 days after the said date/extended date, all the rights of the Organisation under this order shall be valid and shall not cease until we have satisfied that claim.

7. The bank confirms that this contract has been issued with the approval of the appropriate Exchange Control, Rules and regulations of the country.

We also agree that this contract shall be governed and construed in accordance with Indian Laws and subject to the exclusive jurisdiction of Indian courts.

The bank also agrees that Courts of New Delhi, India shall have exclusive jurisdiction.

Dated this.....day of at

Witness No. 1

(Signature)

(Full name and official
address in capital letter)

(Signature)

(Full name and official
address in capital letter)
(Designation with Bank stamp)
Attorney as per Power of
Attorney No.
Date

INSTRUCTIONS FOR FILLING UP BANK GUARANTEE FOR
PERFORMANCE BOND

1. The Bank guarantee should be stamped in accordance with stamp act.
2. The non-judicial stamp paper should be in the name of the issuing bank.
3. Clause 7 of the bank guarantee is applicable when outside party is a foreign one. When other party (s) is/are Indian the alternative clause may be retained as follows.

The bank also agrees that Court of New Delhi India shall have exclusive jurisdiction.

4. The period 120 days mentioned in clause 6 should be available after the expiry of the validity period/satisfactory performance, as the case, may be, or any extension of such period.
5. The Bank Guarantee by Indian bidders will be given from Nationalised/Scheduled Bank only in Indian Rupees.

BID EVALUATION CRITERIA

1.	SALIENT FEATURES	BIDDERS CONFIRMATION
1.1	Open Tender No.	DDN/5(115)/AMCAutomationSystem/2019-20 G(E)
1.2	Two Bid System/Single Bid System	Two Bid System
1.3	Tender Fee	Nil
1.4	Validity Period of Bid	120 days (One Hundred and Twenty days) from the date of opening i.e. up to and inclusive of date of opening of technical bid
1.5	Bid Bond	As per clause 1.5 of Invitation to Bid
1.6	Security Deposit	Would be required on placement of order (CAMC). Security deposit will be 10% of the work order value and shall be valid for 60 days from the date of expiry of AMC.
1.7	Period of Comprehensive Annual Maintenance Contract (CAMC)	As specified in the "Invitation Bid"
1.8	Pre-bid Meeting	By 04.08.2020 (1230 hrs)
1.9	Time & Date of Submission of Tender	By 21.08.2020 (1500 hrs)
1.10	Opening date of technical bid	21.08.2020 (1600 hrs)
1.11	Opening date of price bid	Date will be separately notified later

2. VITAL COMMERCIAL CRITERIA FOR ACCEPTANCE

- 2.1 The following vital commercial conditions should be strictly complied with failing which the bid will not be considered:
- 2.2 Submission of Security cum performance Bank Guarantee for execution of contract as well as for satisfactory performance of equipment during warranty period by the successful bidders.

2.3 Acceptance of Material & Workmanship Clause No. 6 of GTC.

2.4 Acceptance of Failure and Termination Clause No. 9 of GTC.

2.5 Acceptance of jurisdiction clause No. 16 of GTC.

SUBMISSION OF BID BOND/ BANK GUARANTEE ALONG WITH BID

In case of domestic bidders tender must be accompanied with Earnest Money deposit in the form of either a Bank Draft/FDR Payable to PBBCI, DDO, DOORDARSHAN NEWS, DOORDARSHAN BHAWAN PHASE-II, NEW DELHI or a Bank Guarantee from a Nationalised/Public Sector Bank with the tender document. Bank Guarantee by domestic bidders will be given on non judicial stamp paper as per Stamp Duty Act applicable at New Delhi.

The amount of Earnest Money Deposit should be as per clause 5(1) of Invitation to Bid.

The Offers without Bid Bond will not be considered and be summarily rejected.

**PRASAR BHARATI
BROADCASTING CORPORATION OF INDIA
DOORDARSHAN NEWS: NEW DELHI**

Dated:23.07.2020

SPECIFICATION No : DDN/5(115)/AMC Automation System/2019-20G(E)

Technical Specifications & Broad Scope of Work & Terms & Conditions relating to Comprehensive Annual Maintenance Contract for Integrated News Automation System at Doordarshan News, Doordarshan Bhawan Phase-II, Copernicus Marg, New Delhi.

I . TECHNICAL SPECIFICATIONS:

Details of the installed automation system and to be part of comprehensive annual maintenance contract including broad works requirement are as given below:

Integrated News Automation System installed at Doordarshan News, DD Bhawan Phase-II, New Delhi was commissioned on 14th April 2018 mainly consists of the following:

- A. AP-ENPS News Room Computer System (NRCS) supported with eight or more wire feeds and with perpetual license of 75 ENPS journalist seats including ENPS Rundown
- B. SAM Quantel Low Resolution editing System with simultaneous 30 licenses and sQ CutX –ActiveX editor (05 nos) for journalist workstations.
- C. Quantel Video Automation System with Three Ingest Controls and Three News Play out.
- D. Twelve Numbers of high resolution Editing Systems from SAM. Twelve number Quantel sQEdit for Craft Editing.
- E. Quantel playout system consisting of two sQ1800 servers with 10 ingest and 10 playout ports for Record & Play in HD /SD format.
- F. Central storage SAS array (4 nos. 43.2 TB)
- G. SQ play for PCR-L , PCR-S, CB-1 (application) and other presentation studio(s) with control panel
- H. SQ Record application for ingest
- I. SQ Load client (transfer file from card/Pin Drive) application
- J. 128x128 Imagine Router with automation control.
- K. Imagine Nexio stand alone video server.
- L. QTube software and hardware for integration of 6 nos. of Apple FCPs non linear editing suites.
- M. HD logo generator & inserter – Imagine ICON logo.
- N. Media Asset management system Vizrt based.
- O. Pebble beach playout automation system.
- P. Master Control Switcher with remote control panel Imagine Icon Master.
- Q. Imagine Master Clock System with GPS Receiver and Antenna and with digital clocks.
- R. LTO tape library make Spectra.
- S. Imagine make Rasterizer.

Broadly the Supplier/Contractor is required to provide the following Services:

- a. 24x7 on-site service support to ensure smooth and interruption free News operations including ingesting, low resolution & High Resolution Editing Systems, AP-ENPS System, Preparation of scripts and Transmission Run Down, Ingesting & Play out Systems, Integration with Graphics and Play out, Channel Branding and Master Play out System, Teleprompting operations and other related operations including hardware & Software. The scope of work also includes the comprehensive maintenance of 5.0 TR Precision Emerson make air-conditioner installed in the server room and 125 KVA UPS system in 1+1 configuration of Riello PCI make installed in power supply room 210.
- b. Replacement of defective parts of all the equipment under consideration within stipulated time as defined in the document.
- c. Deployment of dedicated on-site trained field service engineer on 24x7 basis for prompt service support.
- d. Priority on-site service response time as stipulated in the document
- e. Periodic preventative maintenance as stipulated in the document
- f. Providing details of announcement of product updates of the related hardware and software and their installation with the approval of the authority.
- g. Maintain the record of status of each equipment and functions related to News automation and part of the contract on daily basis duly signed by contractor's site engineer(s) on per shift basis and duly countersigned by DD's technical in-charge on duty.
- h. Maintain the stock of critical and most essential spare parts, boards and related software on site with proper record.
- i. Maintain the record of faults noticed and action taken thereon with proper recording of date and time of the fault occurred and date and time of fault rectification.

The following Hardware/Software will be part of the contract:

Sr. No.	Complete Details Of Installed Integrated Production System	Make	Model Number	QTY
A	VIDEO EQUIPMENT:			
1	Video Server: having 10 Ingest and 10 Play-out ports with provision of monitoring of each ingest port and at least two chassis.			
ii	Server Platform configured with: 1 x sQ 1800 Server Main Frame 1 x 2 port XDCam HD/H.264 bi-directional card with Browse Engine card 1 x 4 port XDCam HD/H.264 input only 1 x 4 port XDCam HD/H.264 output only 1 x Quad 1Gb Network card (SAM Clipnet)	SAM	900-001	2
ii	ISA System Components ISA Manager (Redundant Dual Server) database & management application	SAM	634-240	1

	(includes first Server ISA licence)			
iii	ISA Browse Manager (additional 50 desktop clients)	SAM	634-250	2
iv	IMon - Remote Monitoring - Complete	SAM	634-412	1
v	Additional Server ISA Licence (one per server)	SAM	634-147	1
vi	Search Service - one per Zone option for Search Service - 642-002 Fileflow Licence - option for Search Service - 642-004 QTube Licence	SAM	642-100	1
vii	File-flow Manager - software	SAM	2122-10-111	1
viii	Fileflow Engine dual stream (edge browse) - sw	SAM	2122-10-112	2
ix	Enterprices Software for sQ Platform sQ 1800 V5 Software	SAM	900-501	2
x	QC Interra Baton™ Standard Lite Edition – Automated content verification software enables 2 CPU cores for up to 2 Verification Tasks simultaneously, web based User Interface, Test plan, Smart folder set up. with PC	Interra Systems	Baton	1
2	Central Storage System: with 70 TB of storage capacity in RAID-5/6 configuration in two storage chassis. All the storage chassis have redundancy in power supply, fan unit, RAID controller and network controller. The Central Storage System in (1+ 1) mode for mirroring			
i	SAS Array - (1.8Tb disks / 43.2 Tbytes) Provides total storage of 4512 hours at XDCam HD 50	SAM	900-114	4
3	Stand alone 4-channel HD/SD video Server with 10 TB internal SAS drive storage in RAID5/6 configuration.			
i	Stand Alone Video Server with Internal Storage consisting of: Nexio AMP and AMP Compact 1-channel HD or 2- channel SD software license; up to quantity 4 per server depending on codec and I/O configuration Includes: NXSPLAY4 Playlist software	Imagine	NXAMP-CH	4
ii	Nexio AMP Generation-7 2RU internal storage video server, 4 input and 4 output SDI/HD-SDI interface card. Redundant Ethernet, power supplies, 8TB raw (7/6TB RAID3/6) internal storage, 1 SSD boot drive	Imagine	NXAMP7-HDI	1
iii	Nexio AMP Generation-7 spare, additional, or replacement 120GB SSD operating system mSATA module	Imagine	NX-MSSD-120G	1
iv	Nexio qty:8 1TB HDD media drive and carrier kit for AMP 1RU and 2RU platforms	Imagine	NX-HDD8-7K1TB	1

v	NEXIO PRX Encoder, real time in server low res proxy creation for up to 4 channels.	Imagine	NXA-LRE-4	1
vi	Nexio Remote Software	Imagine	NXA1000RM	1
vii	Additional Seat License for Nexio Remote	Imagine	NXA1000RMX T	1
viii	NEXIO AMP ChannelView. Server input-output monitoring software application, displays up to six channels in a multiviewer display through the server DVI port	Imagine	NXA1000CVIE W	1
ix	HP Z240 Tower Workstation HP Single Unit (Tower) Packaging HP Z240 TWR 400W 92 percent efficient Chassis HP Z240 Workstation Country Kit Win 10 Pro 64 Downgrade Win 7 64 Intel Pentium G4400 3.3GHz 3M 2C TWR CPU 500GB 7200 RPM SATA 1st Hard Drive 8GB DDR4-2133 nECC (1x8GB) Unbuffered RAM Intel HD Graphics 530 (Core i3/i5/i7 CPUs) 9.5mm Slim DVD-ROM 1st ODD HP USB Optical Mouse HP USB Business Slim Keyboard Operating System Load to SATA Windows 7 Pro 64-bit OS DVD + DR DVD Intel Ethernet I350-T2 2-Port 1Gb NIC With Monitor (HP make model V194 18.5")	HP	Z240	1
x	Network Switch 24 Port 10/100/1000 Base-T	CISCO	2960	1
4	High Resolution Editing System with hardware & software			
i	Desktop client Licence Manager	SAM	670-002	1
ii	HP Z240 Tower Workstation HP Single Unit (Tower) Packaging HP Z240 TWR 400W 92 percent efficient Chassis HP Z240 Workstation Country Kit Win 10 Pro 64 Downgrade Win 7 64 Intel Pentium G4400 3.3GHz 3M 2C TWR CPU 500GB 7200 RPM SATA 1st Hard Drive 8GB DDR4-2133 nECC (1x8GB) Unbuffered RAM Intel HD Graphics 530 (Core i3/i5/i7 CPUs) 9.5mm Slim DVD-ROM 1st ODD HP USB Optical Mouse HP USB Business Slim Keyboard Operating System Load to SATA Windows 7 Pro 64-bit OS DVD + DR DVD Intel Ethernet I350-T2 2-Port 1Gb NIC with Monitor (HP make model V194 18.5")	HP	Z240	3
iii	High-end Effects Edit software	SAM	800-300	12

	application for HD servers Qube software			
iv	Hardware for the High Res Editing: 1 x F5G73AV - HP Z840 Workstation 1 x HP Z840 1125W (1450W/200V) 90 Percent Eff Chassis 1 x HP IEEE 1394b FireWire PCIe Card 1 x HP Z840 Country Kit 1 x Operating System Load to SATA/SAS 1 x 1.2 TB 10K RPM SAS SFF 1st Hard Drive 1 x 1.2 TB 10K RPM SAS SFF 2nd Hard Drive 1 x HP USB Keyboard 1 x HP X520 10GbE Dual Port Adapter 1 x HP USB Optical Mouse 1 x Windows 8.1 Pro 64 downgrade to Windows 7 Pro 64 1 x 9.5mm Slim Super Multi DVDRW 1st ODD 1 x HP Single Unit Packaging 2 x Intel Xeon E5-2620v3 2.4 1866 6C 1stCPU 1 x Windows 7 Professional 64-bit OS DVD + Driver DVD 1 x NVIDIA Quadro M4000 8GB 4xDP 1st No cable included Graphics 1 x HP Single Processor Air Cooling Kit With 24" TFT Monitors and Rocket Port Express DB9M RS-422 Card includes Creative make 2.1 Speaker System model no. SBS A355	HP	HP Z840	12
v	Decklink I/O Card	Decklink	Studio 4K	12
vi	CDAC Font	CDAC		12
5	Hardware & software for integration of 6 nos. of existing Apple's FCP-7/10 non-linear editing systems			
i	QTube Comprising:- QTube Client Access Licence (CAL) software	SAM	641-002	6
ii	QTube Transformer software & Server	SAM	641-100	2
6	Low Resolutions Editing System for journalist work stations			
i	sQ ViewX - ActiveX viewer licence per user (simultaneous)	SAM	499-025	30
7	Voice-Over Facility for Journalist & Video Editors i/c Lip Microphone, Headphone and Microphone to line converters etc.			
i	sQ CutX - ActiveX editor licence per user	SAM	494-025	5
ii	Lip Microphone	Coles	4104	5
iii	Headphone for voice over (5 nos.) and for MAM browsing (12 nos.)	Sennheiser	HD 280	17
iv	Microphone to Line convertor	M-Audio	M-Track II	5
v	HP Z240 Tower Workstation HP Single Unit (Tower) Packaging HP Z240 TWR 400W 92 percent efficient Chassis HP Z240 Workstation Country Kit	HP	Z240	5

	Win 10 Pro 64 Downgrade Win 7 64 Intel Pentium G4400 3.3GHz 3M 2C TWR CPU 500GB 7200 RPM SATA 1st Hard Drive 8GB DDR4-2133 nECC (1x8GB) Unbuffered RAM Intel HD Graphics 530 (Core i3/i5/i7 CPUs) 9.5mm Slim DVD-ROM 1st ODD HP USB Optical Mouse HP USB Business Slim Keyboard Operating System Load to SATA Windows 7 Pro 64-bit OS DVD + DR DVD Intel Ethernet I350-T2 2-Port 1Gb NIC with Monitor (HP make model V194 18.5")			
8	128x128 Audio/Video HD/SD Modular Routing Switcher with redundant power supplies, cross points and controllers RCPs- (a) 1 no. of software based Control System for routing all the sources to all the destinations including Work Station (b) 8 nos. of Multi-bus (min. 32 sources/inputs) multi destinations (min. 16 destinations) hardware control panels			
i	128X128 Router consisting of: Platinum MX 9RU Frame Assembly (includes -PS, - RES)	Imagine	PM-FR-9	1
ii	Platinum MX 8 3G/HD/SD/ASI out with options and back panel, energy efficient	Imagine	PM-HSR- OBG+	16
iii	Platinum MX SD/HD/3G Input Module with 8 regular BNC back panel	Imagine	PM-HSR8C- IBG	16
iv	Platinum MX 128x128 3Gb/s cross-point for 9RU	Imagine	PM-128X128- 3G9	2
v	Platinum & MX 750W AC redundant power supply	Imagine	PT-PS	1
vi	Platinum & MX Resource controller module	Imagine	PT-RES	1
vii	Software based control Panel. Navigator, Single seat license allowing creation and use of router software control panels in CCS Navigator	Imagine	NAVIGATOR- RTR	1
ix	HP Z240 Tower Workstation HP Single Unit (Tower) Packaging HP Z240 TWR 400W 92 percent efficient Chassis HP Z240 Workstation Country Kit Win 10 Pro 64 Downgrade Win 7 64 Intel Pentium G4400 3.3GHz 3M 2C TWR CPU 500GB 7200 RPM SATA 1st Hard Drive 8GB DDR4-2133 nECC (1x8GB) Unbuffered RAM Intel HD Graphics 530 (Core i3/i5/i7 CPUs) 9.5mm Slim DVD-ROM 1st ODD HP USB Optical Mouse	HP	Z240	1

	HP USB Business Slim Keyboard Operating System Load to SATA Windows 7 Pro 64-bit OS DVD + DR DVD Intel Ethernet I350-T2 2-Port 1Gb NIC with Monitor (HP make model V194 18.5")			
10	HD Logo Generator/Inserter			
i	Icon Logo consisting of: NEO 3RU Frame, holds twelve modules, includes one 3923PS power supply with room for a redundant power supply	Imagine	FR-3923	1
ii	Universal power supply for FR-3923 Series frame	Imagine	3923PS	1
iii	HD/SD IconLogo Generator/Inserter with Relay Bypass (replaces MGI-3903-RB and MGI-3903H-RB)	Imagine	ICONL-RB	1
iv	2GB DDR2 Memory Upgrade for IconLogo MGI- 3903 series only (replaces MGI- DDR2-2048)	Imagine	ICONL-DDR2- 2G	1
v	8GB Compact Flash Upgrade for IconLogo (replaces MGI-CF-8192)	Imagine	ICONL-CF-8G	1
vi	IconLogo Nucleus control panel 2RU rack mount	Imagine	NUCLEUS- LOGO	1
vii	PLATINUM VX 1 RU 16X16 Dual Clean & Quiet Router with additional 16X16 SFP Option	Imagine	PV-CQ16-FR-1	1
11	Dual SPG with Auto Change-over facility having HD Tri-level, Bi Polar Sync, Analog Black Burst, VITC, LTC Time code and HD Test Signal outputs			
i	SPG ACO & GPS Consisting of: GPS Antenna and Receiver kit, 110-240 VAC operation, serial data, 10 MHz and PPS outputs, includes AC power supply, RG-59 antenna cable (23m/75ft), for use with VSG-4MTG, VSG-4TSG and VSG- 4CSD for time/date and video, audio and time code applications	Imagine	GPS-3904	2
ii	Rackmount Kit, holds up to two GPS- 3903-2, GPS- 3904 receivers	Imagine	GPS-3902-RM	1
iii	VSG-4MTG System, includes 2 VSG- 4MTG Master Timing Generators, 1 VSX- 11-3G Multiformat Sync Changeover Unit, 1 DRT-5 and 1 RMT-U1 rack mount trays, and 2 VSG-4-BRK-1 breakout panels	Imagine	VSG-4SYS-M	1
iv	VSG-4TSG System, includes 2 VSG-4TSG Test Signal Generators, 1 VSX-11-3G Multiformat Sync Changeover Unit, 1 DRT-5 and 1 RMT-U1 rack mount trays, and 2 VSG-4-BRK-1 breakout panels	Imagine	VSG-4SYS-T	1
12	Digital Frame Synchronizer with HD- SDI & SD-SDI I/Os and Up/Down/ Cross -conversion facilities.			
i	Digital Frame Synchronizer consisting of: 1RU Dual Channel Intelligent Frame Sync and Converter with Advanced Audio Processing	Imagine	X100-1RU- 2PS	8

ii	Plug-in Dual Channel Analog Video Input and Output Module Option	Imagine	X100OPT-AVIO	8
13	2x 1 Clean Automatic Change Over switch with relay			
i	2X1 Switch consisting of: AC power supply for FR6822+ series frames	Imagine	6822+AC	1
ii	Frame, 2RU, Ethernet resource card including HTTP protocol for communication and SNMP support, all blanks with fan (includes one 6822+AC power supply), support QSEE-compliant	Imagine	FR6822+QXFE	1
iii	Single Intelligent SD/HD ACO, with QSEE smart alarms and thumbnails. Single Simple ASI ACO	Imagine	ACO6800+ISD	1
17	Digital Peripheral Equipment All frames have redundant power supplies.			
i	Digital Peripheral Equipment / Glues Consisting of: AC power supply for FR6822+ series frames	Imagine	6822+AC	10
ii	Frame, 2RU, Ethernet resource card including HTTP protocol for communication and SNMP support, no back, all blanks with fan (includes one 6822+AC power supply), support QSEE-compliant	Imagine	FR6822+QXFE	10
iii	Analog Video Distribution Amplifier, with 10 I/O rear connector	Imagine	VDA6800+D	12
iv	Single 1x8 distribution amplifier, 3G/HD/SD/ASI with reclocking, 2 slots	Imagine	DA-HR6802+D	2
v	HD/SD-SDI four-AES audio de-mux with metadata output, 8 discrete analog Audio outputs, with Triple slot back module and audio/data breakout cable	Imagine	HDX6803+AO+T	12
vi	HD/SD-SDI four-AES audio mux with metadata input, 8 discrete analog Audio inputs, with Triple-slot back module and unbalanced audio breakout cable	Imagine	HMX6803+AI+T	6
vii	Single 1x4 distribution amplifier, 3G/HD/SD/ASI with reclocking, 1 slot	Imagine	DA-HR6802+S	18
18	Remote Control PC with necessary software for monitoring & controlling various parameters of the different peripheral equipment mounted in the rack frame			
i	NMS consisting of: Nexio integration license for control and monitoring of Nexio series of servers.	Imagine	NAVIGATOR-NX	
ii	Navigator monitor/control software application, SERVER License. Features include Administrator Network Build Mode, Client account administration, Device SQL database, Device control, Graphical navigation / GUI page capability, Network alarm log.	Imagine	NAVIGATOR-SRV	1
iii	Navigator monitor/control software application, CLIENT License. Server	Imagine	NAVIGATOR-CLI	1

	License on Network. Features include Client login access, Device SQL database, Device control, Graphical navigation / page capability, Device alarm log.			
iv	Enhanced SNMP license for control and monitoring of SNMP third party products. License can function alone or in combination with a NAVIGATOR-SRV / NX installation.	Imagine	NAVIGATOR-SNMP	1
v	HP Z240 Tower Workstation HP Single Unit (Tower) Packaging HP Z240 TWR 400W 92 percent efficient Chassis HP Z240 Workstation Country Kit Win 10 Pro 64 Downgrade Win 7 64 Intel Pentium G4400 3.3GHz 3M 2C TWR CPU 500GB 7200 RPM SATA 1st Hard Drive 8GB DDR4-2133 nECC (1x8GB) Unbuffered RAM Intel HD Graphics 530 (Core i3/i5/i7 CPUs) 9.5mm Slim DVD-ROM 1st ODD HP USB Optical Mouse HP USB Business Slim Keyboard Operating System Load to SATA Windows 7 Pro 64-bit OS DVD + DR DVD Intel Ethernet I350-T2 2-Port 1Gb NIC with Monitor (HP make model V194 18.5")	HP	Z240	1
C	IT INFRASTRUCTURE –HARDWARE & SOFTWARE			
1	Primary & Buddy Server for ENPS			
i	1 x HP DL380 Gen9 8SFF CTO Server 1 x HP DL380 Gen9 E5-2643v3 FIO Kit 1 x HP DL380 Gen9 E5-2643v3 Kit 2 x HP 8GB 1Rx4 PC4-2133P-R Kit 1 x HP DL380 Gen9 Universal Media Bay Kit 6 x HP 900GB 6G SAS 10K 2.5in SC ENT HDD 1 x HP 9.5mm SATA DVD-RW Jb Gen9 Kit 1 x HP DL380 Gen9 Secondary Riser 1 x HP Smart Array P440ar/2G FIO Controller 1 x HP 2U SFF Easy Install Rail Kit 2 x HP 800W FS Plat Ht Plg Pwr Supply Kit 1 x MS Window Server 2012 Std OLP NL 1 x 8 Port KVM Switch (Make Aten, model CS 1308) with Monitor (HP make model V194 18.5")	HP	HP DL380 Gen9	2
2	Servers for Automation Control, Media Asset Management & running other applications (All the Servers in 1+1 mode (i.e. One Main and one Mirror			

	Server).			
i	Witness server. 1RU Rack Mount PC. Used to host Witness and VPN. Includes GPI card for connection to auto changeover panel	Pebble Beach	MSVH-PC001W	1
ii	Database Server. 1RU Rack Mount PC fitted with six 300GB drives, configured as 3 RAID1 drive sets for OS, database and database log. Includes dual redundant PSU's.	Pebble Beach	MSVH-PC001D	2
iii	2RU Rack Mount Server fitted with dual redundant PSU's and RAID1 system drives, Used to host List Server, Device Servers , Housekeeper, Database or Anchor servers.	Pebble Beach	MSVH-PC002	2
iv	sQ Play application	SAM	493-021	3
v	sQ Play Plus Panel for use with Q Play	SAM	634-152	3
vi	sQ Load with edge browse	SAM	495-011	2
vii	Marina Core License - The Marina Core License is for each Marina system. The core license provides access to central configuration, diagnostics tools, filtered log file generation and the Marina database maintenance and query tools.	Pebble Beach	MCSS-MA001	1
viii	Automatic Device Controller Changeover License Provides automatic failover between main and backup Marina real-time servers (Device Controllers). A witness server for each pair of redundant Device Controllers	Pebble Beach	MRED-CO001	1
ix	Microsoft SQL Standard CAL License - 1 required for each Marina real-time and non-real-time server, Marina Client PC, Dolphin server or third party application requiring a connection to the SQL database.	Pebble Beach	MDBS-SQ002	6
x	Marina Client License A multifunction client for playout, ingest, archive and configuration , including clip playback and review tools. Includes Smart Panel and low-res Media Player. Supports user login and permissions.	Pebble Beach	MCLS-CL001A	3
xi	Playlist. Base List. Controls a complete Transmission Channel including Server Ports, VTRs and multiple devices (excludes Device Drivers). Allows for multiple server ports to be used in A/B mode. Includes GPIO for basic device control and for external List triggering. Includes playlist GangRoll	Pebble Beach	MLIS-PL001B	1
xii	Playlist. Secondary Control. Adds control of secondary and secondary group events.	Pebble Beach	MLIS-PL001S	1
xiii	Playlist. Redundancy - Air Protect. The playlist slaves up to three backup video server ports, automatically or manually switching from failed server port to backup. Switchover is seamless. One license required per playlist. Device	Pebble Beach	MLIS-PL001AP	1

	drivers to be ordered separately.			
xiv	Playlist. MOS. Playlist is running under the direct control of a News Room Computer Rundown using the MOS protocol.	Pebble Beach	MLIS-PL001M	1
xv	Prep List. Includes primary and secondary events. Allows users to create playout schedules including the scheduling of secondary events directly within the Marina automation system using an off air list. Saved Playlist files can be manually or automatically loaded into on air Playlists. Content can be dragged from the Marina database. Quantity required is dependent on concurrent usage.	Pebble Beach	MLIS-PR001B	1
xvi	Scheduled Record List - Enables multiple users to schedule a series of live recordings in advance. The scheduled record list is able to manage simultaneous ingest jobs, controlling multiple live sources and video server destinations. The Record List can be viewed as a list or timeline. The quantity of Scheduled Record lists depends upon system configuration.	Pebble Beach	MLIS-SR001	1
xvii	Router Driver. May use serial or IP depending on type and available driver.	Pebble Beach	MDDS-RO001	1
xviii	VTR Interface - Sony Protocol via Serial RS422	Pebble Beach	MDDS-VT001	3
xix	Video Server Port driver. VDCP or TCP/IP interface depending on server model.	Pebble Beach	MDDS-SPD01	3
xx	Switcher Interface	Pebble Beach	MDDS-SW001	1
xxi	Logo Interface	Pebble Beach	MDDS-LO001	1
3	Device Controller for all the devices like VCRs & Decks, Video Servers, Routers, Master Control Switcher, Logo Inserter etc.			
i	SAM Momentum Comprising: (Momentum Ingest Soft and H/W) including SAM Router Control and 1 no. of sQ Record application	SAM		1
ii	Ingest Router Halo 16x16 High Definition Video: Master router, Nebula controller with editable database, dual PSU & non-reclocking o/p. + Router Control	SAM	HAL-HDVM-1616	1
iii	Changeover Switch (2RU) - Switches 16 x RS422 and 16 x GPI controlled devices between a Main and Backup Device Controller. .	Pebble Beach	MDCH-CH001	1
iv	Timecode Reader Card. Provides frame accurate synchronization with House Reference. All Device Servers should be fitted with a Time Code Card unless advised otherwise.	Pebble Beach	MSPH-TC001	2
v	Serial Card 8 Port RS 422 - Fitted and	Pebble	MDSH-SE002	1

	Configured. Provide RS422 connections to Devices.	Beach		
vi	1RU Remote control panel for use with Automatic Device Controller changeover	Pebble Beach	MRED-PA001	1
vii	Desktop Playout hardware control panel. LCD Push Button panel for Single or Multiple playlist control. Ethernet connected.	Pebble Beach	MCH-PA001	1
viii	1RU Rack mount Playout hardware control panel. LCD Push Button panel for Single or Multiple playlist control. Ethernet connected.	Pebble Beach	MCH-PA002	1
ix	Network Switch, Layer 2, 24 Port 10/100/1000 Base-T	Cisco	2960	1
5	MOS Gateway			
i	sQ Play MOS gateway software	SAM	634-265	1
ii	HP Z240 Tower Workstation HP Single Unit (Tower) Packaging HP Z240 TWR 400W 92 percent efficient Chassis HP Z240 Workstation Country Kit Win 10 Pro 64 Downgrade Win 7 64 Intel Pentium G4400 3.3GHz 3M 2C TWR CPU 500GB 7200 RPM SATA 1st Hard Drive 8GB DDR4-2133 nECC (1x8GB) Unbuffered RAM Intel HD Graphics 530 (Core i3/i5/i7 CPUs) 9.5mm Slim DVD-ROM 1st ODD HP USB Optical Mouse HP USB Business Slim Keyboard Operating System Load to SATA Windows 7 Pro 64-bit OS DVD + DR DVD Intel Ethernet I350-T2 2-Port 1Gb NIC with Monitor (HP make model V194 18.5")	HP	Z240	1
6	Media Asset Management Application			
i	Media Asset Management consisting: Viz One - Compact Core provides the foundation for advanced search, transfer, and asset management functions in the Vizrt Video Production and media asset management solution -- includes Viz Studio, an intuitive web application providing user access to media, metadata, and system administration from any computer. Hardware requirements: - Application server, Database server, Low-res/High-res server (SAN/NAS/DAS), Transcoder node. License type: - Base license for core Viz One Solution supporting up to 5 concurrent users	VIZRT	Viz One - Compact Core VME-CORE-COMPACT	1
ii	Enables 5 concurrent users in the directory for the current site. Software requirements:	VIZRT	Viz One - Additional Users VME-	1

	<ul style="list-style-type: none"> - Viz One Core License type: - 5 concurrent users per site 		EXT-ADD	
iii	<p>Software-based transcoding solution on Intel based servers for video and audio transcoding and advanced key frame extraction. It runs on standard PC servers and is designed to provide faster than real-time transcoding from high-resolution to low-resolution. Transcoding can start immediately when the first frames of high-resolution content becomes available and runs in parallel with the ingest process. Transcoding capabilities are HD and SD based and include high-resolution formats such as various MPEG-2 formats up to 200Mbps, DV100, and DNxHD to low-resolution format MPEG-1 and MPEG-4 (H.264). Software requirements:</p> <ul style="list-style-type: none"> - Viz One - Clip Core or above <p>License type: - One license per concurrent stream</p>	VIZRT	Viz One - Processor VME-EXT-VMP	4
iv	<p>Integration with Apple Final Cut (version 6 and 7). Drag and drop clips from the web interface or submit sequences from the proxy editors to start editing in FCP. This includes timelines, metadata and effects. Includes support for automatic restore of archive content and metadata insertion upon editing completion.</p> <p>Software requirements:</p> <ul style="list-style-type: none"> - Viz One - Compact Core or above, Viz One Conform Node <p>License type:</p> <ul style="list-style-type: none"> - One license per NLE workstation 	VIZRT	Viz One - FCP 7 Integration with MXF plugin VME-EXT-PKG-FCP	6
v	<p>Integration with Apple Final Cut (version 6 and 7). Drag and drop clips from the web interface or submit sequences from the proxy editors to start editing in FCP. This includes timelines, metadata and effects. Includes support for automatic restore of archive content and metadata insertion upon editing completion.</p> <p>Software requirements:</p> <ul style="list-style-type: none"> - Viz One - Compact Core or above, Viz One Conform Node and nablet-Vizrt MXF plugin <p>License type:</p> <ul style="list-style-type: none"> - One license per NLE workstation 	VIZRT	Viz One - Final Cut Pro 7 Integration VME-EXT-FCP	6
vi	<p>nablet-Vizrt MXF plugin Import is an MXF reader commonly used for MXF playback in Final Cut Pro X and Final Cut Pro 7. It allows opening a broad range of MXF Op1a wrapped material natively, e.g., without converting or rewrapping to the QuickTime movie format. This enables Final Cut Pro X, Final Cut Pro 7, the</p>	VIZRT	Viz One - nablet-Vizrt MXF plugin Import V1- EXT- MXFPLUGINIM P	6

	Finder, QuickTime Player and other solutions to directly access native MXF on OS X.			
vii	Viz One connector module provides support for the Spectra Logic BlackPearl storage gateway. Viz One BlackPearl integration provides store, restore, partial-restore, and delete of objects via Spectra Logic native HTTP API (Spectra S3) - with transfer status and object availability in Viz One Studio web interface. Software requirements: - Viz One - Core Compact or above License type: - One license per BlackPearl instance	VIZRT	Viz One Plugin - SpectraLogic BlackPearl Connector V1-EXT-SPECTRA-DS3	1
viii	Viz One Hardware - viz One Core Server 2 RU Rack mount chassis with CentOS Enterprises Linux	VIZRT	HW-PKG-V1G9-CORE	1
ix	Viz One Processor/VOD Server 1RU Rackmount Chassis with CentOS Enterprises Linux	VIZRT	HW-PKG-V1G9-PROC	1
x	Viz One Media Server 1RU Rackmount Chassis with CentOS Enterprises Linux	VIZRT	HW-PKG-V1G9-MEDIA-1	1
xi	82Q 8Gb Dual Port PCL-e FC HBA for Media Server	VIZRT	HW-HP-82Q-FC-HBA	1
7	Near-line Storage-70 TB			
i	Near Line Storage consisting of: Verde 4U Master Node with 20 x 4TB Drives, CIFS, NFS, 10 Gb Ethernet with SFPs, rack mount kit with Active Bezel.	Spectra	D1FEA00B20 BAA	1
ii	Verde Software Support SAS Hard Drive Enablement Key - enables Hard Drives.	Spectra	90999741	20
iii	PDU Power Cord, C-14 to C13,14AWG, 8 feet	Spectra	9563	2
iv	Optical Cable, LC-LC Duplex Multi-Mode, 10 meter	Spectra	9313	2
8	LTO Tape Library with dual LTO-6/7 drive units alongwith 50 nos. of LTO-6/7 RW custom labeled data cartridges.			
i	LTO Tape Library consisting of: Spectra T50e, LTO-7, Fibre, Half-Height, 2 Drives, 25 Slots, RLC, Std Encryption, BlueScale 12 Software with MLM, DIV, and DLM, Barcode Scanner, Rack Kit.	Spectra	T50E-7-H-F-2-25	1
ii	FRU, Slot Cartridge Sled, T50e	Spectra	90979473	1
iii	Redundant Power Supply, T50e	Spectra	90979471	1
iv	5-Slot COD BlueScale License, T50e	Spectra	90979476	4
v	1-Slot COD BlueScale License, T50e	Spectra	90979478	3
vi	Power Cord, 110-240V, 50-60Hz, IEC C14-C13, 6ft/2m	Spectra	8296	2
vii	Optical Cable, LC-LC Duplex Multi-Mode, 10 meter	Spectra	9313	2
viii	LTO Data Cartridges	Spectra		50

ix	BlackPearl - ArcticBlue Wizard consisting of:			
a	BlackPearl V Series, 2U, Passive Bezel, 2 x SSD, 10 x 4TB HDD, 1x 10GbE with SFP, 1 x FC HBA Tape connect	Spectra	E1HBA00B10 BAB	1
b	BlackPerl Solid State Drive (SSD) Enablement Key – enable SSDs	Spectra	90999723	1
c	BlackPearl SAS Hard Drive Enablement Key – enables Hard Drives.	Spectra	90999724	10
d	BlackPerl Tape Slots Enablement Key - enable Tape Slots	Spectra	90999725	1
e	BlackPearl Software - enables all BlackPearl Functionality including LTFS to tape, data planner, and end-to-end CRC.	Spectra	90999726	10
f	PDU Power Cord, C-14 TO C13 ,14AWG, 8 feet	Spectra	9563	2
g	Black Cat6 Cable, 7ft	Spectra	10705	2
9	Client Work Stations for-			
	(a) Ingest Control- 4 (i/c 2 nos. for file base ingest)			
	(b) Playout Control- 10 Nos.			
	(c) Archives- Ingest- 2 Nos.			
	(d) Archives-Browse-4 Nos.			
i	HP Z240 Tower Workstation HP Single Unit (Tower) Packaging HP Z240 TWR 400W 92 percent efficient Chassis HP Z240 Workstation Country Kit Win 10 Pro 64 Downgrade Win 7 64 Intel Pentium G4400 3.3GHz 3M 2C TWR CPU 500GB 7200 RPM SATA 1st Hard Drive 8GB DDR4-2133 nECC (1x8GB) Unbuffered RAM Intel HD Graphics 530 (Core i3/i5/i7 CPUs) 9.5mm Slim DVD-ROM 1st ODD HP USB Optical Mouse HP USB Business Slim Keyboard Operating System Load to SATA Windows 7 Pro 64-bit OS DVD + DR DVD Intel Ethernet I350-T2 2-Port 1Gb NIC with Monitor (HP make model V194 18.5")	HP	HP Z240	20
10	Desktop-PC for Stand alone Server			
i	HP Z240 Tower Workstation HP Single Unit (Tower) Packaging HP Z240 TWR 400W 92 percent efficient Chassis HP Z240 Workstation Country Kit Win 10 Pro 64 Downgrade Win 7 64 Intel Pentium G4400 3.3GHz 3M 2C TWR CPU 500GB 7200 RPM SATA 1st Hard Drive 8GB DDR4-2133 nECC (1x8GB) Unbuffered RAM Intel HD Graphics 530 (Core i3/i5/i7 CPUs) 9.5mm Slim DVD-ROM 1st ODD	HP	HP Z240	2

	HP USB Optical Mouse HP USB Business Slim Keyboard Operating System Load to SATA Windows 7 Pro 64-bit OS DVD + DR DVD Intel Ethernet I350-T2 2-Port 1Gb NIC with Monitor (HP make model V194 18.5")			
11	Various types of Network Switches			
i	Cisco Catalyst 3650 24 Port Data 2x10G Uplink IP Services	Cisco	WS-C3650-24TD-E	4
ii	CAT3650 Universal k9 image		S3650UK9-36E	4
iii	250W AC Config 2 Power Supply		PWR-C2-250WAC	4
iv	India AC Type A Power Cable		CAB-TA-IN	4
v	Type 2 Stacking Blank		STACK-T2-BLANK	4
vi	Config. 2 Power Supply Blank		PWR-C2-BLANK	4
vii	Network Switch 24 Port 10/100/1000 Base-T	Cisco	2960	3
13	Heavy Duty Network Printer			
i	HP LaserJet Pro 400 Printer	HP	M401dn	2
A	VIDEO EQUIPMENT:			
8	128x128 Audio/Video HD/SD Modular Routing Switcher with redundant power supplies, cross points and controllers RCPs- (a) 1 no. of software based Control System for routing all the sources to all the destinations including Work Station (b) 8 nos. of Multi-bus (min. 32 sources/inputs) multi destinations (min. 16 destinations) hardware control panels			
viii	RCP consisting of 1 RU control pannel with 32 push bottons and OLED display	Imagine	RCP-32PB-OLED	8
9	Master Control Switcher with Remote Control Panel			
i	Icon Master consisting of: IconMaster Remote Control Panel with 12 button PGM/PST/AUX with Source ID, 8 programmable LCD keys, parametric control, programmable transition functions with programmable transition control, manual fader bar, and audio & channel control	Imagine	ICONM-RCP-MAF	1
ii	IconMaster 2-channel Squeeze-Back Effects	Imagine	ICONM-FX	1
iii	HD/SD IconMaster system with embedded audio support, relay bypass, external video router required. Occupies 2 NEO slots. Includes redundant power supply	Imagine	ICON-S-0-E	1
iv	2GB DDR2 Memory Upgrade for IconLogo MGI- 3903 series only (replaces MGI-DDR2-2048)	Imagine	ICONL-DDR2-2G	1
v	8GB Compact Flash Upgrade for	Imagine	ICONL-CF-8G	1

	IconLogo (replaces MGI-CF-8192)			
14	Broadcast quality 17" 1920x1080 resolution HD 10 bit LED backlit LCD/TFT colour monitors with dual HD/SD-SDI puts			
i	16.5" HDTV/SDTV Multi-Format LED Backlit Monitor:-	Ikegami	HLM-1705WR	18
ii	Rack Mount Kit for HLM-1705WR	Ikegami	RS-1770	18
15	Broadcast quality 9" 1280x768 or better resolution HD LCD/TFT colour monitors with dual HD/SD-SDI inputs			
i	9" HDTV/SDTV Multi-Format LCD Color Monitor:-	Ikegami	HLM-905 WR	27
ii	Dual rack Mount Kit for HLM-905WR	Ikegami	DR-904	14
iii	Blank panel	Ikegami	BP-900	1
16	Rasterizer having simultaneous monitoring of 4 HD/SD-SDI auto-detect inputs Waveform, Vector, Picture and Audio Bar Graph display along with 17" WXGA/XGA Monitor			
i	Rasterizer Consisting of: VTM Series rasterizer package, supporting four picture display with HD/SD-SDI inputs Includes HP make 21.5" Monitor, model no. V222	Imagine	VTM4150PKG	2
ii	Provides two passive looping SMPTE 292M (HDSDI) and SMPTE 259M-C (SD-SDI) inputs, auto detect, line select, internal, blackburst or tri-level references. Field upgrade	Imagine	TVM-VTM-SDI-H-F	2
iii	Advanced Audio Analysis Option for VTM Series. Field upgrade for VTM-A3-OPT 2	Imagine	VTM-A3-OPT-2-F	2
17	Digital Peripheral Equipment including analogue and digital distribution amplifiers for video and reference signal. All frames have redundant power supplies.			
viii	Audio Analog digital conversion four channels analog audio input, two AES coax and / or two AES balanced output. For use in FR6802+series frame, two frame slot, with 10 I/O rear connector	Imagine	ADC6800+A4 BCD	6
19	Installation materials, HD Patch panels (self normal & self terminating type 75 'Ω), Audio-video cables , Racks with MDU abd fan units, power distribution panels etc.			
i	Installation materials, HD Patch panels (self normal & self terminating type 75 'Ω), Audio-video cables , Racks with MDU and fan units, power distribution panels etc.			1
C	IT INFRASTRUCTURE –HARDWARE & SOFTWARE			
12	LAN cables, I/Os etc.			
i	LAN cables, I/Os, etc			1
D	POWER SUPPLY AND AIR CONDITIONING EQUIPMENTS:			

2	Power Distribution Panel etc.			
i	Power Distribution Panel etc.	Customized		1
3	Power Cables and other Installation Materials			
i	Power Cables and other Installation Materials	Customized		1
4	Precision air conditioners of 5 Ton capacity			
i	Model of Indoor Unit: : PeX 120FA: Floor Mounted, DX type, Floor Discharge type Precision Air conditioners of 17.6 KW Actual Sensible capacity at 5000CFM (Actual sensible Capacity at return air temperature of 20 deg C DB & 50% RH and Outdoor Ambient Condition @43.3 Deg C with R407c Refrigerant Gas)	Emerson	PeX 120FA	2
5	LED house lights fittings etc.			1 Lot
i	LED house lights fittings etc.			1
E	MISCELLANEOUS ITEMS:			
1	Sturdy, modular and ergonomically designed Technical Furniture for Ingest Desk including Monitor Wall, TCR Desk including Monitor Wall, 4 nos. of Editing Table, Archive Desk, revolving chairs for operator-10 nos. etc.			
i	Sturdy, modular and ergonomically designed Technical Furniture for Ingest Desk including Monitor Wall, TCR Desk including Monitor Wall, 4 nos. of Editing Table, Archive Desk, revolving chairs for operator-10 nos. etc.			1
2	LTC enabled Time code driven six digits (2.3" height red LEDs) Digital time display			
i	LED Digital Clock LTC input, 2 RU with red 7 segment LED readout, USB setup	Imagine	DTD-A1 9B2	4

A. News Room Operations:

Broadly the Supplier/Contractor will ensure smooth functioning of the following News related operations. The works described below are inclusive but not exhaustive and the firm will be responsible for the comprehensive maintenance of the integrated News automation system for smooth operations. The maintenance contract includes all related application software and its related hardware including concerned workstations/servers etc.

- a) Proper functioning of ENPS servers, database management & integration with wire services.
- b) Proper functioning of ENPS on all 75 journalist seats.
- c) Providing assistance in making new clients as and when required.
- d) Ensure that any user should be able to create/write a story of his own and save the same into his own Folder or the Group Folder and should be able to see the content of group folder.
- e) All ENPS Users should be able to view all the incoming Feeds onto his Client.

- f) Ensure proper functioning of publishing and changing the rundown on to the Columbus.
- g) As the license of ENPS is perpetual, it is to be ensured that its validity is maintained perpetually.
- h) Proper functioning of Headlines Browsing and Editing on all 75 ENPS clients with cuts only edit of video and audio including voice over facility.
- i) The accessibility of graphic application on all 75 ENPS clients with the provision of updating the graphic templates and making it part of the run down.
- j) Customizing the lay outs of ENPS application, Headline application and vertigo application as and when required by any user.
- k) The management of firewall system to ensure protection against the network breakdown.
- l) Any other related operations.

B. Ingest Operations:

- a) Proper functioning of Ingesting on all three Ingest Terminals excluding XDCAM Decks/NX5 Camcorders but including the remote control of VCRs.
- b) Availability of Ingest on all ten assigned server ports.
- c) Proper functioning of manual as well as scheduled ingesting through VCRs and line feeds.
- d) Simultaneous ingesting on all ports.
- e) Availability of monitoring on monitors installed in Ingest room.
- f) Proper functioning of remote control of VCRs through device control engine installed in Ingest room.
- g) Proper functioning of router hard remote control panel for switching sources.
- h) Support for customization of facilities in Ingest room including additions of Ingest sources and layout if required.
- i) Proper functioning of quality monitoring system namely Imagine rasterizer.
- j) Ensure smooth functioning of file based ingest including files downloaded from Social Media and high speed file transfer system like Vegazel, Aspera, etc.
- k) Any other ingest related operations.

C. High resolution Editing Systems:

- a) Proper functioning of all twelve Editing Systems for both hardware and software
- b) The saving of finished clips should immediately initiate the process of automatic transfer of clips for browsing.
- c) Proper functioning of voice over operations and voice over equipment.
- d) The clips on any of the two Quantel can be edited on these systems and finished clips can be published to both servers.
- e) Any other related operations.

D. Quantel Workflow sQ editing/sQView & sQ Cut systems :

- a) Proper functioning of all Quantel Editing Systems for both hardware and software.
- b) Proper functioning of sQView and sQ cut systems .
- c) The saving of finished clips should immediately initiate the process of automatic transfer of clips to browse server.
- d) Proper functioning of voice over operations and voice over equipment.
- e) Any other related operations

E. Centralized Graphics System:

- a) Integration with the graphics systems available with DD News with ENPS.
- b) Browsing of graphics templates.
- c) Updating of graphics through ENPS.

F. News Play out and Control Panel:

- a) Ensuring proper functioning of Quantel server.
- b) Proper functioning of all sQplay applications from PCRs.
- c) Rundown from ENPS should be accessible on Quantel.
- d) Functions like cueing the clips, deleting the clip etc. should be properly working.
- e) Ensuring the working of dynamic allocation of server ports for play out in PCRs.
- f) Any other related operations.

G. Quantel Server Systems and Management:

- a) Ensure proper functioning of Quantel servers and its associated production and transmission storage including switches and related accessories.
- b) Ensure proper functioning of Fileflow system.
- c) Ensure proper functioning of sq ingest, Sq play, sq View , sq cut applications.
- d) Ensure proper functioning of Server Management including VDRCS application.
- e) Providing support for carrying out scheduled purging out of the content from both production and transmission Storage and ensuring its proper functioning.
- f) Ensuring preventive maintenance of the system as per the schedule.
- g) Any other related operations.

H. Imagine Router Control Systems:

- a) Proper functioning of 128x128 Imagine PM FR 9 series router with all its remote control panel including device control & automation control system.
- b) Proper functioning of 16x16 Imagine router with its remote control panel being used as standby to the main automation system.
- c) Any other related operations.

I. Quantel Playout server systems and Management

- a) Proper functioning of sQ server and its ports
- b) Proper functioning of various applications pertaining to Quantel workflow-sQload, sQ ingest, sQplay, etc.
- c) Ensure proper functioning of Quantel SAS storage with 70 TB each.
- d) Ensure data management for smooth functioning of Quantel workflow.
- e) MOS gateway for integration with ENPS.
- f) Any other related operations.

J. Media Asset management system:

- a) Proper functioning of near line storage.
- b) Proper functioning of LTO based storage.
- c) Smooth functioning of media asset management system VizRT.

K. Miscellaneous and Other Related Systems:

- a) Ensure proper functioning of ICON master control and channel branding system
- b) Ensure proper functioning of Time Code generator including its distribution to various devices such as Columbus engines & master clock etc.

- c) Ensure proper functioning of Master Clock system with all its accessories.
- d) Ensure proper functioning of Imagine Peripheral equipment
- e) Ensure proper functioning of Dual SPG with changeover unit and its distribution to various devices.
- f) Ensure proper functioning of related cabling including LAN cables/Video/Audio Cables etc. The successful bidder will also be required to do any additional LAN cabling (including cables and other accessories) required to be done for ENPS system within Newsroom and other News areas including rooms on second and fourth floor.
- g) Ensure proper functioning of power supply distribution for News Automation System including sub distribution in server room, MCR, Ingest Room, News Room, and Craft NLEs etc.
- h) Customizing any functional requirement related to News Automation.
- i) Other related operations.
- j) Integration of additional graphic system into the existing graphic system as per the requirement.

L. Air Conditioning System:

Ensure proper functioning of 5 TR Liebert Precision air conditioner unit installed in the server room. It is to be ensured that the temperature in the server room is maintained at 19°C±1°C.

M. UPS System:

Ensure proper functioning of two numbers of 125 KVA Riello PCI UPS installed in power supply room in 1+1 configuration. However, the battery bank will not be part of the contract and replacement for defective batteries/bank will be provided by DD News Delhi but replacement work of the batteries and integration with existing UPS set up will be carried out by contractor only.

N. Other Terms and Conditions:

1. DURATION OF OPERATION:

The News automation system installed at Doordarshan News, Delhi is required to operate uninterrupted 24x7 throughout the year. The bidder will therefore be required to depute site engineers on shift basis to cater to the requirement of 24 hours manning. There will be minimum two well trained & well versed engineers to be deputed per shift besides supervisors at DD News, New Delhi. This is bare minimum staff; however the firm has to deploy more persons if required for manning & maintaining the equipment as specified in the scope of work.

2. SCHEDULE OF WORK:

Smooth and uninterrupted operation of the entire News automation system as detailed is essential for seamless transmission and smooth production. The up-gradation and renewal of the licenses for all related software , from time to time, is the responsibility of the bidder. The Supplier/Contractor is expected to provide the services as under:

- a) The Supplier/Contractor should depute experienced service Engineers on site on 24x7 basis for immediate trouble diagnosis and rectification of fault including assistance in operation of various elements of News automation

system such as centralized graphic system, ingest scheduling, transmission rundown scheduling and conforming, transmission play out and purging out etc.

- b The site engineers should be well versed with the overall system which includes multiple disciplines. The Supplier/Contractor will have to provide the details of such site engineers including their work experience for the consideration of Doordarshan. The Supplier/Contractor may have to provide multiple site engineers in one shift in case of engineers not being multitasking.
- c The firm has to provide training to DD Engineers during the AMC period and they will work in close coordination with DD News team and all the communications with OEMs will be shared with DD News team.
- d The Supplier/Contractor will be required to depute site engineer on shift basis and their duty sheet should be made available to Director/Dy. Director (Engg.) on weekly basis and any change thereon should be brought to the notice of the concerned officer well in time.
- e The Supplier/Contractor will also be required to depute at least two or more site engineers as per actual requirements during busy transmission schedule and special events such as election telecasts, budget presentations and unforeseen events requiring greater amount of assistance for various operational activities.
- f To provide daily, weekly, monthly and other periodical maintenance details for approval of Dy. Director General (Engg.). The Supplier/Contractor will carry out these maintenance schedules strictly under the supervision of representative of DDG (E) DD News without affecting the transmission and other activities. It is also required to submit the details of such maintenance works to the authorized representative of Dy. Director General (Engg.) within 24 hours.
- g To maintain Records, Log Books of various works done and maintenance schedule followed in coordination with the authorized representative of Dy. Director General (Engg.), DD News, Delhi.
- h To provide daily, weekly, monthly and other periodic reports as run report of stories, scripts, MOS Id of video clips and graphics templates.
- i To provide cataloguing and indexing of all archived material and to provide customised search options in ENPS and Quantel servers.
- j The Supplier/Contractor will be required to provide authorization from all concerned major OEMs or their authorized dealers in India giving the support for the maintenance of the equipment installed in News automation system and which are part of the contract. Such OEMs include AP-ENPS, SAM, Imagine, Pebble Beach, VizRT, etc. The supplier/firm has to share copy of SLAs (Service level agreements) with major OEMs.
- k Replace the defective parts/units/materials with similar genuine OEM spare parts/units/materials including consumables etc. (without any extra payment) which are needed for the efficient maintenance, repair of the system.
- l The Supplier/Contractor will maintain the stock of critical and essential spares of various equipments on site to keep the downtime to minimum.
- m Transport and forwarding charges for bringing the maintenance equipment or spare parts at **Doordarshan News, New Delhi.**, and for taking the defective equipment to office or OEM or the authorized dealer for special

- repairs and bringing them back to **Doordarshan News, New Delhi** will be borne by the Supplier/Contractor.
- n All the tools & testing equipments for maintaining the system in perfect working condition at **Doordarshan News, New Delhi** will be arranged by the Supplier/Contractor.
- o Supplier/Contractor will take care of safety of his staff while they are working on any system and will provide them all safety gadgets.
- p The **News Automation System** has been installed in the protected and restricted area. The Supplier/Contractor shall supply the bio-data of his staff (supported by necessary documents if required) and obtain Entry Passes for them before putting them on duty. The Character and conduct of his personnel shall be the sole responsibility of the Supplier/Contractor. The Supplier/Contractor and his staff shall observe the security and other rules in force while working in the premises of **Doordarshan News, New Delhi**.
- q The Supplier/Contractor has to enclose a copy of the sample photo ID Card along with the tender documents as per the format below. The tender is liable to rejection of this requirement is not fulfilled.

<u>Name and Address of the Company</u>	Company logo
<u>Pass S. No.</u>	
<u>Name</u>	
<u>Designation</u>	
<u>Age/Date of birth</u>	
<u>Address</u>	Photo
<u>Telephone</u>	
<u>Date of Issue</u>	
<u>Valid Upto</u>	
<u>Signature of Individual</u>	<u>Signature of Issuing authority</u>

The ID Card issued by the firm (subsequent to the award of the work contract order) in the above prescribed format to its staff will also be counter signed by the security officer in-charge of Doordarshan News Delhi for permission of entry within DD Bhawan premises.

- r The log books and records maintained as mentioned above shall be subject to the scrutiny of the department and shall be the property of Doordarshan News, Delhi.
- s Proper records of complaint received and attended shall be maintained by the Supplier/Contractor. All complaints are to be attended promptly and any delay shall be viewed as lapse on the part of the Supplier/Contractor and a penalty will be levied as per the clause.
- t To work according to general directions and conditions of contract as per Annexure III &IV during the period of the contract.

3. Replacement of Spare Parts:

- a. The spare parts including cards/equipment etc. replaced on modular exchange basis by the contractor will become the property of

- Doordarshan. The guarantee/ warrantee certificate of replaced parts/equipments under AMC tenure will be handed over to DD News.
- b. In cases where any equipment or part of any automation system has failed and it is not possible to get the spare parts or get the equipment repaired for this equipment due to obsolescence or for any other reason, the Supplier/Contractor will have to provide the upgraded version of the faulty equipment or system to keep the system fully functional as per Clause-12 of GTC. This equipment will also become the property of Doordarshan.
 - c. The successful bidder has to submit a certificate that any spare/module/ equipment & software replaced or added during the AMC period for smooth functioning of the system will be property of Doordarshan.

4. TIME SCHEDULE

Faults should be attended immediately without any loss of time. After seeing the nature of fault, the supervising officer or the authorized representative of the Dy. Director General (Engg.) will give reasonable time schedule to the Supplier/Contractor for removing the fault/repairs. If the fault is not repaired within the allotted time, then the liquidated damages will be levied as per the tender terms & conditions.

5. Site Visit:

The prospective bidders may visit the site before uploading the tender. The working of News Automation System at Doordarshan News, Doordarshan Bhawan Phase-II, New Delhi, and other documents required in connection with the work will be open for inspection by the Supplier/Contractor at Doordarshan News, Delhi during office hours from Monday to Friday (except Holidays) till the receipts of Tender.

6. Stock of Spare Parts and Complaint Procedure:

- a) The Supplier/Contractor shall keep sufficient stock of essential/critical spares for the system installed. The spares should be genuine and from OEM. The firm has to bear the cost of essential/critical spares for smooth functioning of the system.
- b) The Supplier/Contractor will make a comprehensive complaint procedure other than being recorded in log books kept in Doordarshan premises and will generate a complaint number for each major fault which cannot be immediately attended.

7. Maintenance of Log Books and Other Records:

- a) The Supplier/Contractor will maintain log books of working status of various components of News Automation System such as Ingest Room, TCR, News Room, Quantel workflow, News Flash Editing System, Graphic System, Omnibus Automation, and PCRs etc. Various technical parameters and working status of all equipment should be recorded in these log books.
- b) The Supplier/Contractor is also required to maintain records of daily, weekly and other maintenance works carried out as per the schedule.

- c) The Supplier/Contractor will also maintain the record of spare parts and essential parts available on site.
- d) Any other record or log book directed by Doordarshan.
- e) All these log books and records will be kept in Doordarshan premises and will be regularly inspected by Dy. Director General (Engg.) or his authorized representative and will be the property of Doordarshan.

8. Premature Termination of Contract:

The Dy. Director General (Engg.), Doordarshan News, Delhi reserves the right to terminate the contract prematurely without assigning any reason and giving seven days notice to the contractor. However the firm who gets the contract shall not have the right to terminate the contract prematurely.

9. Compliance:

The bidder will be required to submit point by point compliance statement duly signed by the authorized signatory in respect of all the points laid down in the technical specifications. Any deviation or disagreement should be clearly highlighted with reasons thereof. The offers without the compliance statement will not be considered.

Format of Compliance Statement

Para no. of DD Technical specification	Brief Description of DD Specification	Compliance or deviation	Reasons /explanation for deviation	Remarks (If any)

Annexure to GTC Clause 8 and 9:

Different Levels of Faults and Liquidated Damage Clause

1. Different faults likely to occur in different hardware and software have been classified as Level-1, Level-2 and Level-3 and have been shown against each item as detailed below:

Sr. No.	Description	Fault Level
01	ENPS Servers with main and back up servers with all software and hardware and other related accessories. Includes the maintenance of ENPS application and all 75 journalist workstations and all applications loaded on them.	Level-1 for ENPS Servers, Level-1 for ENPS application software, Level-3 for ENPS Workstations
02.	Quantel video automation system including Ingest, editing , play out and file based ingest.	Level-1 for both Servers hardware and application software, Level-1 for Ingest operation, Level-2 for ingest workstation. Level-3 for redundant power supply.
03	Newsroom client softwares and management	Level -2
04	Network switches	Level-1 for both hardware and application software. Level-3 for one redundant power supply.
05	Pebble beach playback automation system	Level-3
06	Imagine 128x128 Platinum MX 9 RU Frame Assembly Router with all remoter control panels and other accessories used as station router	Level-1 Level-3 for redundant power supply.
07	MOS integration with Graphics and Quantel	Level -1
08	Imagine Peripheral Equipment including mounting frame, MUX,DEMUX,ADA, redundant power supply.	Level-2

09	Near-line storage make Spectra consisting of hardware & Verde software ,etc	Level-3
10	LTO tape library system	Level-3
11	ICON Master control switcher and channel branding system including all accessories.	Level-2
12	1+1 Imagine SDI Sync pulse generator with change over switch	Level-2 when one SPG unit is faulty and level-1 when both SPG units or change over unit is faulty.
13	Integration of Quantel with standalone NLEs	Level 3
14	Imagine 16 X 16 router and 2 X1 switch	Level -2
15.	Imagine make stand alone 4-channel Video server	Level-2
16.	MOS Gateway server with hardware and software including MOS Gateway Service Application	Level-1 for both hardware and application software including teleprompter and graphics integration
17.	Emerson 5TR Precision Air conditioner system including ducting and associated system.	Level-2
18.	PCI 125 KVA UPS connected in 1+1 configuration excluding battery bank.	Level-2 when one UPS unit is faulty and Level-1 when both units are faulty.

2. Faults Description and Liquidate Damage (LD) Clause:

- a) **Level-1 Faults:** Level-1 faults have been assigned to those services and equipment that affect the transmission or important functions of News automation directly and therefore has zero tolerance level. The firm should therefore make all efforts and steps to restore the services at the earliest and the alternate or stand by equipment or any other standby resources if necessary should be deployed immediately.

The faults under these categories will be hardware and/or software based. Software based faults should be attended and restored at the earliest. The hardware based faults should also be immediately attended by deploying alternate means if necessary and should be fully restored within 24 hours.

Level-1 faults will invite LD @ Rs. 5000.00 per 4 hours or part thereof for first 4 hours and LD will be Rs. 10,000/- for that calendar day. Beyond the Calendar day, it will be Rs. 20,000/- per Calendar day.

- b) **Level-2 Faults:** Level-2 faults have been assigned to those services and equipment which affect the News operations directly but do not directly affect the transmission chain.

The firm should therefore make all efforts and steps to restore the services at the earliest and the alternate or stand by equipment or any other resources if necessary should be deployed immediately.

The faults under these categories will also be hardware and/ or software based. Software based faults should be attended and restored at the earliest and essentially within 4 hours. The hardware based faults should also be immediately attended by deploying alternate means if necessary and services restored within 4 hours and should be fully restored within 24 hours.

Level-2 faults will invite LD as per the following if the system is not restored within the specified time.

Level-2 faults will invite LD @ Rs. 2000.00 per 4 hours or part thereof for first 4 hours and LD will be Rs. 5,000/- for that calendar day. Beyond the Calendar day, it will be Rs. 10,000/- per Calendar day.

- c) **Level-3 Faults:** Level-3 faults have been assigned to those services and equipment which do not affect the operations seriously and also do not directly affect the transmission chain. Level-3 faults should still be attended immediately and the system/services restored within 24 hours.

Level-3 faults will invite LD as per the following if the system is not restored within the specified time.

Level-3 faults will invite LD @ Rs. 1000.00 per 4 hours or part thereof for first 4 hours and LD will be Rs. 2,000/- for that calendar day. Beyond the Calendar day, it will be Rs. 5,000/- per Calendar day.

3. **Maximum Liquidated Damage:**

The total LD in each quarter will not exceed more than 15% of the proportionate contract value of one quarter.

If the LD amount in any quarter exceeds 15% of the proportionate contract value of one quarter, it would be deemed to be unsatisfactory performance of the contractor and in such case Doordarshan reserves the right to terminate the contract prematurely and forfeit the Performance Bank Guarantee (PBG).

Indicative drawing of Integrated News Automation System

