

TENDER NO. DDN-5/166/2013-14-G-PartFile

HIRING OF VEHICLE MOUNTED
DSNG VANS
FOR DOORDARSHAN NEWS
2017-2020

PRASAR BHARATI
(BROADCASTING CORPORATION OF INDIA)
DOORDARSHAN NEWS
TOWER-B
DOORDARSHAN BHAWAN,
NEW DELHI-110001

. No.

Dated :

To:

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INVITATION TO BID

INVITATION TO BID

Prasar Bharati ,Broadcasting Corporation of India , invites sealed tenders in two bid system 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 TenderNo.DDN-5(166)/2013-14-G

1.1 Description of Services: As per Annexure-III.

1.2 Tender Fee: Non-refundable Rs. 2500/-

1.3 Earnest Money: Rs. 45,32,250 (Forty five lac thirty two thousand two hundred and fifty only) in bid bond form.

1.4 Bid Bond/ Bid Validity

1. Bid Bond valid upto: **60 days** beyond bid validity.

2. Bid Validity upto: **120 (One hundred & twenty)** days from the date of opening of **Financial bid.**

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

- (i) As Per specifications:
- (ii) Correspondence Address:

Correspondence Address:

**Administrative Officer
Room No. 434, 4th floor
Doordarshan News
Doordarshan Bhawan, Phase-II
Copernicus Marg,
New Delhi.**

Paying Authority:

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

Important Instruction for Electronic bidding.

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 electronically on the tenderwizard website 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.

Two Bid systems Electronically: 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 authorisation letters from Foreign Supplier and user list should also be enclosed with the Technical Bid.

(Anil Kumar Khurana)
Sr. Administrative Officer,
For DG (N&CA)

LIST OF ANNEXURES

Annexure I (page 6 to 31)

1. INSTRUCTIONS TO BIDDERS

Appendix 1	:	Bid Documents Acknowledgment Form
Appendix 2	:	Bid Submission Form and Agreement
Appendix 3	:	Bid Bond Bank guarantee Proforma
Appendix 4	:	Check List
Appendix 5	:	Exception/Deviations Proforma
Appendix 6	:	Past: Services Proforma
Appendix 7	:	Bidders Information Proforma
Appendix 8	:	Authorization Letter for attending tender opening

II. GENERAL TERMS AND CONDITIONS.(GTC)

Annexure II (page 32 to 42) : Proforma for Bank Guarantee for Performance Bond

Annexure III (page 43 to 62) : Description of Services, Technical Specifications, etc and Commercial cost.

INSTRUCTION TO BIDDERS

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

1. PREPARATION OF TENDER ELECTONICALLY

- 1.1 Bid shall be submitted concurrently duly digitally signed in the website www.tenderwizard.com/PB and <https://eprocure.gov.in> in the prescribed proforma as per appendices 2 to 8. 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 space should be defaced by some such words as “**Not Quoting**”.
- 1.2 In the event of the space on the Bid being insufficient for the required purpose, space is available in the end of the sheet as “any other information”.
- 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 registered with e-tendering portal tenderwizard of Prasar Bharti (Doordarshan). 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 Address and also similar information in respect of their authorised 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 digitally signed by an executive officer of the bidder's organization.

Each tender document shall be signed or digitally signed by a duly authorised officer and in the case of a corporation the same shall be sealed with the corporation seal or otherwise appropriately executed under seal.

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) **with the consortium members**.

- 1.6 It must be ensured that the tender including terms and conditions and Bid Evaluation Criteria (Annexures I, II and III) are digitally signed by bidder and submitted online at www.tenderwizard.com/PB and <https://eprocure.gov.in> web site along with offer.
- 1.7 All the information furnished asked in the prescribed proforma/appendix of the tender document shall be furnished only on the letter head of the tenderer and shall be duly signed by authorized signatory along with name, designation and seal of the company.

2. DELIVERY OF TENDER

- 2.1.1 The tender will be on the basis of "Two bids system" and offers are to be submitted online at <https://eprocure.gov.in>
"Technical Bid" will contain all details of equipment to be supplied including Commercial Terms & Conditions. There shall 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 and tender fee shall be placed in a single sealed envelope superscripted with tender reference No. And date of opening so as to reach Sr. Administrative Officer in Room No.-434 4th floor Tower-B Doordarshan Bhawan Mandi House New Dehli-110001 before scheduled time of the uploading of the tender on tenderwizard. No tender fee/EMD will be received after the opening of the tender electronically. 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.

- 2.1.2 The right to ignore any offer which fails to comply with the above instructions is reserved. Only one tender should be included in one cover.
- 2.2 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.

- 2.3 Any change in quotation after opening of tender **WILL NOT BE CONSIDERED.**
- 2.4 Bidders are advised to upload their bids well in advance to avoid last minute technical snags.
- 2.5 Telegraphic /Tele-fax / Email tenders 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

- 4.1 120 days from the date of opening of **the financial bid** i.e. up to and inclusive of date of opening.
- 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 price quoted must be firm, any change or modification to the offer after opening of the tender will not be considered at all. All fees, registration, taxes, levies, service charges etc. shall be borne by the bidder unless specifically agreed to in writing by this organisation further, post tender negotiations are also banned except in the case of negotiation with the L-1 (i.e. lowest tenderer).

It is desired that the equipment and the vehicles supplied will be new. In case, a bid is received for vans **and** or equipment of the year of manufacturing earlier than 01.01.2016, then the bid amount will be enhanced by a composite rate of 10% per year of the depreciated amount (**w.r.t. the age of equipment/ vehicle calculated backwards from 01.01.2016**) in order to arrive at the final bid amount. Bidders are required to mention the date/year of manufacture of the vehicles and the equipments in a separate sheet to be submitted along

with their Technical Bids. **No vehicles/ equipment manufactured prior to 01.01.2014 will be accepted.**

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.

7. Eligibility criteria

- 7.1 Only firms having minimum three years of experience in **supplying** DSNG Vans are eligible to bid. The firms will be required to submit documentary proof of experience duly certified by the indenting organisation. **The firm should have at least 10 DSNG vans in its ownership.**
- 7.2 **The agency bidding for should have a turnover of atleast Rs.6 crores per annum in each of the last 3 years i.e. 2013-14, 2014-15 and 2015-16 for supplying DSNG vans.**
- 7.2 The firms should not be black listed by any department of Prasar Bharati / Govt. of India or State Govt.

8. Scope of work:

The details of services required **is** 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 Fax/ E-Mail :

Acceptance **of the bid** may be normally communicated by Fax/E-mail. In case where acceptance is communicated by fax/E-mail the regular order will be forwarded as soon as possible but the instructions contained in the Fax/E-mail should be acted upon immediately. With the issue of Fax/E-mail of acceptance the contract shall be deemed to have **become effective**. 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 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 submit, Earnest Money in the form of **pay order/DD**,, Bank Guarantee of a schedule Bank, in favour of DDO, Doordarshan News, DOORDARSHAN BHAWAN **Phase-II**, NEW DELHI or in lieu thereof bid bond in the enclosed Proforma at appendix 3, from an Indian Public Sector Bank & rate specified in **clause 1.3** 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 rejected.

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 **submit a** security deposit amounting 10% of the full contract value in the form of Bank Guarantee in favour of, DDO, DOORDARSHAN NEWS, DOORDARSHAN BHAWAN PHASE-II, NEW DELHI.

12. Transfer of Tender documents.

The tender is non-transferable

13. Correspondence

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

Fax: +91-11-23097618 / 91-11-23097662

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. 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. Income Tax Liability

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

- (a) Income Tax & Education Cess 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.

17. The Tenderer shall provide the following information:

- (i) Number of qualified persons and total employees etc.
- (ii) Attested copies of the of income tax clearance for the last three years, 2013-14, 2014-15 & 2015-16
- (iii) Copy of the GST registration certificate
- (iv) Copy of the PAN card.

18. Tender Fee

18.1 Tender Fee to be paid as indicated in the invitation to Bid. This is non refundable.

18.2 The offers will not be considered without Tender Fee and will be rejected.

19. Evaluation/ Scrutiny of Bids.

Technical/commercial bids shall be undertaken in accordance with the prescribed procedure 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
- II. Capability of tenderer to effect services on the basis of record in preceding two years.
- III. Past record of timely and good quality services by the tenderer in preceding two years and
- IV. Bid Evaluation Criteria indicated in Annexure III

20. 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 24/11/2017 at 1230 hrs in room no. 427, Tower-B, Doordarshan Bhavan, New Delhi. The potential bidders may submit their queries at least one day in advance to Pre-bid meeting.

PROFORMA FOR BIDDERS TO ACKNOWLEDGE THE BID DOCUMENT

Dated:

Dear Sirs,

We hereby acknowledge receipt of a complete set of Bid Documents pertaining to procurement of _____ 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:

Yours faithfully

Telex No.

Telephone No.

E-Mail No.

Personal Attention of :
(If required)

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

Bid Submission Form and Agreement

TENDER NO.

TO

Name of the Organisation

Dear Sirs,

1. I/We hereby offer services detailed in schedule hereto 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 and accepted the conditions of the contract. I/We have thoroughly examined the specification and My/Our offer is 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 Tenderer

Address

Dated

Signature of witness

Address

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

AGREEMENT

TENDER No.

To

Director General(N&CA),
Prasar Bharati,
(*Broadcasting Corporation of India*)
Doordarshan News
Tower –B, Doordarshan Bhawan,
New Delhi-110001

Sub:- PURCHASE OF TENDER DOCUMENTS

Ref:- TENDER NO.

Prasar Bharati, (*Broadcasting Corporation 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 AND 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 45 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 alongwith 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(166)/2013-14-G _____ 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 _____

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

(Full name and address in capital letters)

Signature
(Full name in capital Letters)

Designation with bank stamp

Witness No. 2

Signature

(Full name and address in capital letters)

Attorney as per power of attorney

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 Apendix-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.

APPENDIX-4

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 requisite tender fee has been paid.

Yes No

- 1.2 If so, furnish the following:-

- (I) By Bank Draft
- (II) Name of the Bank
- (III) Value
- (IV) No. of Bank Draft
- (V) Date of issue of Bank Draft

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

Yes No

- 2.2 If so furnish the following

- (I) Name of the Bank
- (II) Value
- (III) Number
- (IV) Date of Issue
- (V) Period of validity of the 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.

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

Yes	No
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4. Has a statement incorporating the deviations from the commercial terms and conditions of the Organisation been prepared and enclosed with the offer.

Yes	No
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5. Whether prices have been quoted Ex Doordarshan News, Doordarshan Bhawan, Copernicus Marg, New Delhi?

Yes	No
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6. Whether fixed monthly rates/quarterly rates/annual rates have been quoted uniformly for the entire contract period?

Yes	No
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7. 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
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8. 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

9. 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.

10. 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

11. 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

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

Yes

No

13. 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

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

Yes

No

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

19. Whether bank guarantee has been furnished?

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.

GROUP "B"

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

Yes

No

2. Whether details of your registration under Sale Tax/Central Sales Tax / Service Tax have been indicated in the offer?

Yes

No

Signature of Authorised Signatory: _____ **(Signature of the Bidder)**

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.

TECHNICAL

1. Whether the scope of work as detailed in technical specifications has been fully understood and the installation has been visited by your engineers?

Yes No

2. Whether the services being offered fully conform to all the required technical specifications?

Yes No

3. If not, has the extent of deviation and how it is suitable to this organisation requirement been specified?

Yes No

4. Whether the requirement of spares for maintaining the services has been understood and the availability of spares has been ensured if the contract is placed?

Yes No

5. Whether the model of each of equipment and details of software whose maintenance is to be carried out has been understood?

Yes No

6. Whether the spares support for all the equipment will be available for a period of contract including extended period, if any?

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.

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 including details of similar system integration carried out by your firm during the last two years?

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 SERVICES PROFORMA

SL. No.	Name & Address of client	Period From	Description in details	Total Quantity supplied successfully	Remarks
1	2	3	4	5	6

Note: Certificate from clients to be enclosed along with this proforma.

Signature of the Bidder/Tender

Name _____

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.

DUE FOR OPENING

1. WHETHER services offered conform to particulars quoted at Annexure-IV, if not, details of deviations must be stated here.
2. Date by which system can be in place.
3. 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).
4. **Attested copies of the Sales tax return filled for the last three years 2013-14, 2014-15 & 2015-16**
5. **Attested Copies of the Income Tax/Service tax returns filled for the last three years 2013-14, 2014-15 & 2015-16.**
6. Annual turnover for last 3 years.
(Enclose audited Annual financial Reports)
7. Present worth of tendering firm.
8. Whether LSU or SSI
- 8.1 In case you are registered with NSIC under Single Point Registration Scheme for the items quoted, confirm whether you have attached a photocopy of Registration Certificate indicating the items for which you are registered.
- 8.2 In case you are not registered with either NSIC/DGS&D, please state that you are registered with the Directorate of Industries of the State Govt. concerned if so, attach a copy of certificate.

Signature of Tenderer,

Date _____

NO.

To,

**Prasar Bharati,
(Broadcasting Corporation of India),
Doordarshan News,
Tower –B, Doordarshan Bhawan
New Delhi - 110001**

SUBJECT : Tender No. _____ due on _____

Sir,

Sri _____ 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 Tenderer

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

GENERAL TERMS AND CONDITIONS

(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 service order issued by this organisation to the successful bidder including subsequent amendment to ORDER in writing thereof.

1.2. The Organisation

Shall mean PRASAR BHARATI (BCI), DOORDARSHAN NEWS, New Delhi, India, shall include all their legal representatives, successors and assignees.

1.3. Contractor / the Service Provider

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 ORDER PRICE

Shall mean the sum accepted or the sum calculated in accordance with the rates accepted by this Organisation and amendments thereof the amount shall be net payable to Doordarshan. All fees, registration, taxes, levies, service charges etc. shall be borne by the bidder unless specifically agreed to in writing by this organisation.

1.5 DELIVERY PERIOD

Shall mean date specified in the order by which the service shall be rendered.

1.6 SPECIFICATIONS

Shall mean and include detailed description, statements to technical data, performance characteristic and standards (Indian as well as international as applicable as mentioned in annexure-III and as specified in the ORDER.

1.7 TESTS/Demonstration

Shall mean such process or processes to be carried out by the Service Provider as are prescribed in the ORDER considered necessary by this Organisation or their representative in order to ascertain quality, workmanship, performance and efficiency of equipment or part thereof.

1.8 APPROVAL

Shall mean and include the written consent either manuscript, typewritten or printed may be applicable to the type of services/work carried out and necessary certificate shall be furnished. 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.

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 services shall be the responsibility of the tenderer. Any equipment fittings and accessories, which may not be specifically mentioned in the specification or drawing (s) but which are usual or necessary for the satisfactory functioning of the services and system (successful operation and functioning of the system being bidder's responsibility shall be provided by the bidder without any extra cost).

2.3 WORK TO BE CARRIED OUT UNDER THE ORDER.

All services to be provided and 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 detailed in Annexure-III.](#)

3. ACCEPTANCE OR ORDER

3.1 Within Seven (7) days from date of mailing of order Service Provider shall confirm acceptance of the order in its entirety.

3.2 The ORDER is accepted unconditionally by Service Provider by returning to this Organisation copy of the ORDER duly signed, without qualification.

3.3 When Service Provider has accepted the order with all its terms and conditions, Service Provider with general service conditions and all previous correspondence are considered superseded and void, unless specifically mentioned otherwise.

3.4 Should Service Provider not respect the time limit for the Confirmation of the order or in case Service Provider can not accept the ORDER without qualifications. This Organisation reserves the right to cancel in writing without prejudice to other terms, the entire ORDER or part of without notice. Under these Circumstances the earnest money /bid bonds given by the supplier 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 Service Providers 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. JOINT AND SEVERAL RESPONSIBILITY

5.1 Where Service Provider's Equipment or any part thereof are to be used jointly with the equipment supplied by another manufacturer (the name of the manufacturer will be communicated separately to supplier) this Organisation will hold supplier and the manufacturer jointly and severally responsible for the perfect operation of the entire group or section of equipment as regard the technical and mechanical characteristics stipulated in the specification. Such responsibility shall include the mechanical coupling as well as dynamic and starting moment.

5.2 Consequently, Service Provider shall establish and maintain all necessary contact with the manufacturer to be indicated by the organisation with a view to ensuring the exchange of all relevant data and information.

6. SECURITY DEPOSIT/PERFORMANCE BOND.

6.1 The successful bidder, **within 15 (fifteen) days** of the receipt of letter of intent will be required to send Security Deposit in the form of Pay Order/Demand Draft or in lieu thereof a Bank Guarantee from an Indian Public Sector Bank for amount as indicated in the Invitation to Bid. The successful bidder will be require to submit any initial security deposit/performance guarantee equivalent to 10%(ten percent) of total value of the bid for entire contract period.

6.2 The successful bidder will be required to submit an initial Security Deposit/Performance Guarantee of 10%(ten percent) of total value of the contract valid for the duration of agreement, before the contract takes effect.

6.3 The security money may be deposited in the form of Bank Draft/ Pay order/Bank guarantee in the proforma enclosed as Appendix to these General Terms and Condition (GTC).

6.4 This Organisation shall not be liable to pay any Bank Charges, Commissions or interest on the amount of security deposit/Performance Bond.

6.5 Security deposit, Performance Bond shall be refunded to the Service Provider after completion of agreement and warrantee period as stipulated in the order.

7. PERFORMANCE GUARANTEE

7.1 Service Provider shall guarantee the performance of the services under the order shall be strictly in conformity with specification and shall perform the duties specified under the ORDER.

8. FAILURE AND TERMINATION CLAUSE

Time and date of delivery shall be essence of the contract. If the contractor fails to deliver the services, within the period fixed for such delivery in the schedule or at any time repudiates the contract before the expiry of such periods the organisation may without prejudice to any other right or remedy, available to it to recover damages for breach of the contract :-

- a) Recover from the Contractor as agreed liquidated damages and not by way of penalty, a sum equivalent to 10% of the monthly value of the order per day for such delay or part thereof (this is an agreed, genuine pre-estimate of damages duly agreed by the parties) which the contractor has failed to deliver thereof is accepted after expiry of the aforesaid period. The organisation will be free to encash bank guarantee of the bidder in addition to recovery of aforesaid liquidated damage if the contractor continued to fail to provide the services with in the delivery period.
- b) The output should meet Broadcast standards and is liable to be rejected alongwith imposition of penalty equivalent to one week's fee in case of poor quality of work.
- c) Contract can be terminated by either party with a notice period of one month (30 days)

9. SUBLETTING AND ASSIGNMENT

The contractor shall not save with the previous consent in writing of the organisation, 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.

10. DESIGNS, PATENTS AND ROYALTIES

If any material used or methods or processes practiced or employed in the manufacture of items to conform with the requirement of the contract is/are covered by a patent(s) in respect of which contractor is not licensed, the contractor shall before using the material, method or process, as the case may be, obtain such license(s) and pay such royalty(ies) and license fee(s) as may be necessary. The contractor shall keep the Organisation indemnified from and against any and all claims, actions demand and proceedings whatsoever brought or made against the organisation on the basis of any patent or infringement there of claimed or otherwise relating to and arising from any method or process employed or matter or thing done to or in connection with any work executed by the contractor shall at their own risk and any work executed by the contractor shall at their own risk and expense defend any suit for infringement or patent or like suit brought against the Organisation (whether with or without the contractor being a party thereto and shall pay damages and costs awarded in such suit and keep the Organisation indemnified from and against all consequence thereof.

11 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 are suspended by force majeure conditions lasting for more than 2(two) months, the Organisation shall have the option of cancelling this contract in whole or part at its discretion without any liability on its part.

12 LANGUAGE/TERMINOLOGY

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

13 ARBITRATION

If any dispute, difference, question or dis-agreement shall at any time, hereafter arise, between the parties hereto or the respective representatives or assignees in connection with or arising out of the contract or in respect of meaning of specification, design, drawings, estimates, schedules, annexures, orders, instructions, the construction, interpretation of this agreement, application of provisions thereof or anything hereunder contained or arising hereunder or as to the rights, liabilities or duties of the said parties hereunder or any matter whatsoever incidental to his contract or otherwise concerning the works of execution or failure to execute the same whether during the progress of work or stipulated/extended periods or before or after the completion or abandonment thereof, it shall be referred to the sole arbitrator appointed by Chief Executive Officer, Prasar Bharti . It will **have no** objection to any, such appointment that the arbitrator so appointed is an employee of this Organisation or that he had to deal with the matters to which contract relates and that in the course of his duties as this Organisation employees he had expressed views on all or any of the matters in dispute or difference.

If an arbitrator to whom the matter is referred dies or refuse to act or resigns for any reason from the position of arbitrator, it shall be lawful for Chief Executive Officer, Prasar Bharati to appoint another person to act as arbitrator in the manner aforesaid. Such person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor if both the parties consent to Chief Executive Officer, Prasar Bharti to this effect falling which the arbitrator will be entitled to proceed de-novo.

The arbitrator(s) may from time to time, with the written consent of all the parties to the contract enlarge the time for making and publishing the award..

It is a term of the contract that the party invoking arbitration shall specify the dispute or disputes to be referred to arbitration under the clause.

It is also term of the contract that contractor shall not stop the work under this contract and work shall continue as expected to continue whether the arbitration proceedings have commenced or not.

The arbitrator shall give reasoned award in respect of each dispute or difference referred to him. The award as aforesaid shall be final and binding on all the parties to the contract in accordance with the law.

The Venue of the arbitration shall be at New Delhi India. Subject to as aforesaid, the provision of the Indian **Arbitration and conciliation Act, 1996** and any statutory modifications or re-enactments there of rules made there under and for the time being in force shall apply to the arbitration proceedings under this clause.

14. PENALTY :

(a) The breakdown period of the setup should not be more than 24 hrs at **any time during the period of contract** irrespective of the cause being mechanical, electrical or electronics. Penalty would be charged at the rate of **Rs 15,000 per event per van and /or its equipment for any breakdown**. If the Breakdown **continues** throughout the day financial penalty amounting to Rs 25,000 per day per van will be imposed **and no hiring charges for that day shall be paid**. If the breakdown is likely to continue for more than 24 hours, the agency shall replace the defective DSNG Van by a healthy Van to be utilised till the time the breakdown is resolved.

(b) In the event of five or more breakdown of a vehicle in a month or continuous failure of five days. The vehicle will be declared unfit for the deployment and the agency will replace the Van with another Van **in good condition fulfilling all tender terms**.

15. 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 Indian Courts.

* To be included in international contract.

II

**GENERAL TERMS AND
CONDITIONS (GTC)**

APPENDIX TO ANNEXURE-II (GTC)

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)

(Signature)

(Full name and official
address in capital letter)

(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.

Annexure III

(Description of Services, Technical Specifications etc and Commercial cost)

DESCRIPTION OF SERVICES, TECHNICAL SPECIFICATIONS, ETC. FOR HIRING OF VEHICLE MOUNTED DSNG VANS ON HIRING BASIS FOR DOORDARSHAN NEWS

Doordarshan News invites tenders for Vehicle mounted Mobile DSNG Vans to provide interactive hot switching and Broadcast standard News Feeds in HD & SD format containing both Audio and Video on 24X7 hrs basis on hiring basis for a period of **three years**. The tenders are invited on a two-bid basis comprising of Technical (pre-requisite) and Financial Bid.

The proposal should meet the specifications/conditions as specified below :-

General Technical conditions:

1. The set up of DSNG Van should be able to facilitate live interactive Hot switching and transfer of News Feeds in HD & SD format from field to be used for Broadcast applications on 24X7 basis.
2. The system shall meet the International standards for digital satellite broadcasting having MPEG-2 , DVB-S with MP@ML and MPEG-4 DVB-S2 with MP@L3.
3. All the equipment used for this setup including Encoder, Modulator, Up-converter, 200 watt SSPA or 400 watt TWTA HPA **at flange** (**make CPI / XiCOM / Terrasat / Paradise Datacom**) and ancillary equipment such as Switchers/Routers/Patch Panel, Power Boards and Inter-connecting Cables should be not earlier then 2016 and should be of professional quality with high reliability.
4. The antenna shall be provided with a 3 port linear feed (1 uplink port and 2 downlink ports (i.e. both Vertical and Horizontal)) along with C-band Digital LNBC, IRD & IFL (Interconnection Facility Links) etc.
5. Transmit equipment should be mounted on a vehicle, which has easy manoeuvrability and the **vehicle of the DSNG Van should be of not earlier than 2016 model of BS4 standard** with a certificate of road worthiness from the competent authority along with National permit license for the smooth interstate movements. Necessary documents should be furnished along with technical Bid.
6. Signal encryption of BISS mode-1 and BISS-E encryption type should be incorporated in the encoder.
7. The equipment should be operational on C-Band of the RF frequency band.
8. The DSNG Vans should be self-sufficient in all respects for the operation and should be equipped with proper Air-conditioning. A Power Generator of sufficient capacity is to be kept in the vehicle and should be operational on full load. In addition, an On-Line UPS having a **minimum of thirty minutes back-up for the load of**

entire technical equipment. All the technical equipment should be on UPS load.

9. For DSNG operation a silent Petrol/Diesel Gen set **6.5 KVA** or more, capable of taking the entire electrical load of the equipment installed in the van is to be included in the offer. It should carry ISI mark & meet latest BIS specification (IS: 10001). Generator compartment should have proper thermal isolation to reduce air conditioning load and noise level. The mounting of the Genset should be such that the vibration level is minimised. Gen set should be capable to handle the electrical power requirement at sufficient uplink power and a symbol rate of 4.0 MSPS or more for SD uplink and 9 MSPS for HD unlinking. Each DSNG Van should have provision of one power socket having capacity of 500W load for lighting purposes.
10. The air conditioning system should be vehicle driven, low noise (<db) and vibration free.
11. The bidder shall submit a certificate that the total weight of the fully loaded vehicle has not exceeded 75% weight of the rated laden weight.
12. The vehicle should have convenient working space and should be able to connect external sources such as SD Camcorders.
13. Two professional IRDs (make Ericsson/Harmonic/IDC/Thomson) with 2 input ports (to receive both Horizontal and Vertical port outputs) with Audio/video output facility along with audio level control and a professional quality ear plug to facilitate interactivity with the Live studio. IRD should able to decode upto four mono analog audio downlinks.
14. A 4 X 4 SDI Switcher with auto frame synchronising, HD/SD auto detectable embedded signal with gen-lock facility (make Kramer / Nevia / Ross Video/ Extron etc) should also be provided in the DSNG Van for switching purposes between Cameras & Deck. In addition , a working table space of 2.5 feet X 4 feet may be provided in the Van to accommodate vision mixer, multiviewer and audio console, if required.
15. A Provision of 2 numbers of Mobiles Phones with all accessories - each including a Bluetooth ear plug & wired ear plug .Each mobile has to be kept in readiness to facilitate interactivity with the Live studio.
16. The list of all the equipment as mentioned at **section B (Equipment List)** should be furnished with details of Make and Type as part of tender to evaluate the proposal technically. Although the detailed specifications of the equipment are mentioned at section B, **the Encoder, Modulator and Up converter can be either separate units or combined unit.**
17. Fully Motorized and Auto Tracking Antenna must be of Broadcast standard from OEM of International repute like GD Satcom, AVL Technologies, Vislink. **The DSNG deployment time should not exceed 15 minutes.**
18. The DSNG setup mounted on the van should be operative on C-Band of frequency spectrum with optimum power, to be received with a BER of 1E-7 using 12 ft PDA.

19. The Satellite space segment will be provided by Doordarshan.
20. The setup will be liable of thorough inspection by DD Authorities and evaluated along-with measurements before accepting.
21. **The full featured technical demonstration of the DSNG Mobile Vans shall be done physically in presence of Technical Evaluation committee.**
22. All the DSNG Vans supplied for Doordarshan will be reserved for exclusive use by Doordarshan and will not be used for any other institution while in service for DD News. This shall be legally binding.
23. The reception of the signal up-linked from the DSNG Van should be possible by using any standard receive equipment such as Tandberg, Ateame, Thomson or Scopus or equivalent IRDs.
24. The DSNG Van must be equipped with a Sony make XDCAM deck for Feed play-out.
25. Audio and Video combo cable for 2 SDI video and 3 Audio, 200 meters + 100 meters length has to be provided in separate and detachable cable drums. Low loss, Professional quality cable adapters will be provided to extend these cable lengths. Suitable Cable length equalization equipment will be provided by the tenderer. The video cables should carry HD signal more than 100 meters.
26. The connecting cables should have connectors for two types of input connectors, i.e. BNC Video + XLR Audio (Balance) connectors and RCA type Video/Audio connectors.
27. Professional quality headphone & video monitors should be provided in the DSNG Van for monitoring Audio and Video of the downlink stream as well as DECK/ Camcorder output along with built-in speakers and audio level display.
28. To eliminate possibility of breakdown due to wear and tear, periodic replacement of Audio/ Video Cables, Connectors, power chords, mobile accessories and earplugs provided with the DSNG Vans will be carried out by the tenderer.
29. Periodic Inspection & measurement of DSNG Vans will be carried out by the DSNG Engineers deputed in the van by the tenderer. The reports will be submitted to Doordarshan News Engineers including the following parameters:
 - Uplink Power
 - Reflected Power
 - C/N as received at Feed Room of Doordarshan Kendra Delhi
 - Link Margin as received at the Feed Room of Doordarshan Kendra Delhi
 - Equipment register logging, details of failure and history of equipment etc.
 - Working condition of spares viz cables, cable connectors, video, electrical and vehicle spares.
 - Fire extinguisher and First Aid kit
30. The fabrication and wiring of the DSNG vans will be done professionally. Labeled Block circuit diagram with proper cable labels will be kept in the DSNG Vans.

31. One copy of operation manual of important equipments will be provided in each vehicle to enable off-site telephonic help to the operation engineer.
32. Adequate number of spare connectors and tools for cable repair etc. will be kept for emergency. Similarly critical spares and tools for generator and UPS will also be kept in the vehicle.
33. The schematic diagram along with the comprehensive wiring diagram shall be provided by the tenderer.
34. Servicing of vehicles (DSNG Vans) shall be carried out by the tenderer firm on regular intervals after obtaining permission from DD News well in-advance (07 days).
35. DSNG Manager-cum-coordinator: - The tenderer should deploy round the clock DSNG Manager-cum-coordinator at DD News premises to liaise with assignment & engineering wing of DD News. They will ensure the deployment of DSNG Vans and proper hot-switching in the News Bulletins. They should have expertise in the DSNG deployment and frequency allocation field. They should have minimum five years experience in the field. They should have minimum qualification diploma in electronics and communication.
36. Optional items: - A Cameraman along with Professional Video Camera may also be required on assignment basis. The bidder should ensure the cameraman's camera should have compatible and Professional interface with the DSNG Van for live coverage. The cameraman should have experience of working in broadcast medium as videographer/ broadcast journalist. The payment towards the Camera and the cameraman will be as per the approved rates of existing DD News stringer's contract.
37. Geo-tagging: - Each DSNG Van should have provision of geo-tagging, so that location of the van may be determined at any time.

B. System Requirements with Detailed Specifications:

B1.1 Design Standards & Basic Configuration

Design Standards: The system shall be designed to meet the international standards for digital broadcasting known as MPEG-4 and DVB-S2 standards (MP@L3), and MPEG-2 (MP@ML) selectable without any hardware changes. It should be possible to provide programme specific information, service name, language description and other related routine data. The system should have a security scheme (encryption) BISS Mode 1 and BISS- E so as to eliminate open access to the transmitted service. Profile 4:2:0 is required for SD MPEG-2 and 4:2:2 for MPEG-4 (H.264). In the event of loss of Video input, it should have auto switching facility to, last freeze frame/test pattern.

Basic Configuration: The basic requirement is for a single carrier 1+0 system (with Encoders, Modulators, Up-converters / BUC and SSPA /TWTA in 1+0 configuration). Each system shall be complete and fully wired and installed in equipment cabinets to simplify the operation and troubleshooting. As per the convenience of design, the system may have the Encoder and modulator as a combined unit or separate units. Similarly, the SSPA and BUC/ up-converter may be kept as one combined unit or two

separate units. The modulator output may be kept either IF frequency or L Band output. The hardware and software provided with the system will be field proven.

B1.2 Specification for Input system

The input system shall consist of:

- a) Video Ground Isolator
- b) Audio Ground Isolator

B1.2.a Video Ground Isolator

The Video Ground Isolator to provide DC electrical isolation between the two pieces of equipment, whilst permitting the full bandwidth of the SD-SDI signal to pass. The unit must be passive unit.

Technical specification

SI no	Parameter	Specification
1	Input type	HD –SDI/SD-SDI
2	Connector	BNC-female
3	No. of Inputs	1no.
4	No-of outputs	1no
5	Bandwidth	0.5 MHz to 540 Mhz
6	Return Loss	≥ 15 dB
7	Impedance	75 ohm

B1.2.b Audio Ground Isolator

Two channel Audio ground Isolator required to remove hum and buzz created by ground loops. It should support for both balanced and unbalanced audio source. The unit must be passive unit.

Technical specification

SI no	Parameter	Specification
1	Input impedance	600 ohm
2	Number of channels	2 mono channels or 1 stereo channels
3	Insertion loss	2.0 dB or better
4	Frequency response	± 0.5 dB
5	connector	XLR or with an Adapter to connect to XLR

B2 Specification for the compression system

B2.1 Digital Video Encoder Specifications (Stand alone, if used separately)

B2.1.1 Video Input

- a. The Encoders shall be capable of accepting Analog composite video, SDI video and Audio embedded SDI Inputs with a facility to select between different inputs through front panel keys.
- b. It should also have the pre-processing hardware and software facility for the efficient encoding process viz noise reduction.

B2.1.2 Video Input Specifications

SI no.	Parameter	Specification
1	Video Inputs	SD-SDI & HD-SDI with embedded audio Inputs with a facility to select between different inputs
2	Serial Interface	i) SMPTE 292, 1485 (10 bit) with embedded audio ii) SMPTE 259M, 270 Mb/s (10 bit) with embedded audio
3	Format	ITU(R)-BT 601
4	Connector	BNC female
5	Input Level	800 mV p-p nominal $\pm 10\%$

B2.1.3 Audio Input Specifications

1. Analog Audio 04 channels,
2. AES/ EBU and
3. AES/EBU embedded digital inputs.

Switching between analog and different digital inputs shall be possible through front panel keys.

B2.1.4 Digital Audio Input Specifications

SI no	Parameter	Specification
AES/EBU Digital Audio Input Specifications		
1	Sample Rates	48 K samples/sec.
2	Serial Interface	AES/EBU format
3	Connector	XLR or with an Adapter to connect to XLR
4	No. Of Inputs	4 Channels (should be configurable as 4 x mono or 1 x Stereo and 2 mono)
Embedded Serial Digital Audio Input Specifications		
1	Serial Interface	SMPTE 272M, 270 Mb/s (10 bit)
2	Format	AES/EBU, 8 channels (should be configurable as 8 x mono or 2 x Stereo and 4 mono, 4 stereo)
3	Connector	BNC female

B2.1.5 Video Compression Parameters

SI no.	Parameter	Specification
1.	Video Resolutions (PAL)	For SDTV 720 x 576, 704 X 576, 544 X 576, 480 X576 For HDTV

		1920 X 1080, 1440 X 1080
2.	Profiles and Levels	a) SD MPEG-2 ,MP@ML, 4:2:0, 8 bit b) SD MPEG-2, Hi 422@ML, 4:2:2, 8 bit c)SD H.264 MP @L3.0/Hip@L3.0, 4:2:0 , 8 bit d) SD H.264 Hi422 @L3.0/Hi422P@L3.1, 4:2:2 , 8 bit/ 10bit e) HD H.264 HIP @L4.0, 4:2:0 , 8 bit f) HD H.264 HI422 @L4.0/Hi422P @L4.1, 4:2:2, 10 bit
3.	Video Bit-rate	1 to 25 Mbps for 4:2:0 Profile 1 to 80Mbps for 4:2:2 Profile
4.	Temporal Processing	I P & B Frames supported
5.	Aspect Ratio	4:3 and 16:9

B2.1.6 Audio Compression Parameters

SI no	Parameter	Specification
1	Audio Encoding Method	i)MPEG -1 Layer-II ii)MPEG-4 HE-AAC
2	Data rate	64-192 Kbps for MPEG-1 layer II 32-72 kbps for MPEG-4 HE AAC

B2.1.7 BISS-E encryption facility

The compression system shall be facilitated to support BISS Mode-1 & BISS- E encryption facility.

B2.1.8 Other required features in the Encoder

1.	Easy to use front panel control
2.	The encoder shall be capable of transmission of broadcast data signals along with video and audio.
3.	On loss of Video input auto switch to last good frame or test pattern. There should be a facility to configure the encoder for no output on the loss of video input.

B2.2 DVB-S/ DVB-S2 Satellite QPSK Modulator Specifications

(Stand alone, if used separately)

B2.2.1 General

The modulator shall be compact, reliable and have state of art technology. It should provide L-Band output (OR IF out as per the configuration chosen) as per DVB-S and DVB-S2 standard's modulation schemes based on the user requirement.

B.2.2.2 ASI Inputs

Sl.	Parameter	Specification
1	Compliance	DVB Document A010 rev. 1, May 1997:Section 4.4 or latest version
2	Byte stuffing modes	Byte and single packet burst mode.

3	Connector	BNC
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B2.2.3 Forward Error Correction and Modulation Scheme as per DVB-S standard

Sl.	Parameter	Specification
1	Multiplex Adaptation and Energy Dispersal	As per ETSI EN 300 421 (DVB-S)
2	Outer Coding	Reed-Solomon (204,188,T=8)
3	Interleaving Depth	12
4	Inner coding	Convolution R=1/2, 2/3, 3/4, 5/6 or 7/8 (QPSK)
5	Spectrum Roll off factor	20%, 25 % and 35% selectable
6	Modulation	QPSK
7	Transmission rates	Variable, 1.0 to 45 M symbol/s

B2.2.4 Forward Error Correction and Modulation Scheme as per DVB-S2 standard

Sl.	Parameter	Specification
1	Multiplex Adaptation and Energy Dispersal	As per EN 302 307 (DVB-S2)
2	Modulation	QPSK, 8PSK
3	Modulation mode	should be capable of emitting signals on the following mode i) Backward compatible mode(DVB-S/ DVB-S2 one at a time) ii) Constant Coding and Modulation mode(CCM)
4	Outer Coding	BCH
5	Inner coding	LDPC R= 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 (For DVB-S2, QPSK), R= 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 (For DVB-S2, 8PSK)
6	Spectrum Roll off factor	5%,10%, 15%,20%, 25% and 35% selectable
7	Transmission rates	Variable, 1.0 to 45 M symbol/sec

B2.2.5 L-Band output Interface Specification

Sl	Parameter	Specification
1	Output Frequency Range	950 to 1750 MHz, step size 125 KHz
2	Return loss	≥ 10 dB
3	Output Connector	SMA(F)
4	L band output impedance	50 ohm
5	output level	- 20 to + 0dBm
6	Output Gain	0 dB ± 5 dB
7	Output Gain step size	0.1 dB
8	Phase Noise	as per IESS-308 limits
9	Spurious	≤ -60 dBm (modulated) and ≤ -55 dBc/4KHz (un modulated)

B2.3 Digital Video Encoder cum Modulator Specifications

(If used as combined unit)

B2.3.1 Video Input

- a. The **Encoder cum Modulator** shall be capable of accepting HD-SDI/SD-SDI video and Audio embedded SDI Inputs with a facility to select between different inputs through front panel keys.
- b. It should also have the pre-processing hardware and software facility for the efficient encoding process viz noise reduction.
- c. It should provide L-Band output (OR IF out as per the configuration chosen) as per DVB-S and DVB-S2 standard's modulation schemes based on the user requirement.

B2.3.2 Video Input Specifications

Same as B2.1.2

B2.3.3 Audio Input Specifications

Same as B2.1.3

B2.3.4 Digital Audio Input Specifications

Same as B2.1.4

B2.3.5 Video Compression Parameters

Same as B2.1.5

B2.3.6 Audio Compression Parameters

Same as B2.1.6

B2.3.7 BISS-E encryption facility

Same as B2.1.7

B2.3.8 Other required features in the Encoder cum Modulator

1.	Easy to use front panel control
2.	The Encoder cum Modulator shall be capable of transmission of broadcast data signals along with video and audio.
3.	On loss of Video input auto switch to last good frame or test pattern. There should be a facility to configure the encoder for no output on the loss of video input.

B2.3.9 Forward Error Correction and Modulation Scheme as per DVB-S standard

Same as B2.2.3

B2.3.10 Forward Error Correction and Modulation Scheme as per DVB-S2 standard

Same as B2.2.4

B2.3.11 L-Band output Interface Specification

Same as B2.2.5

B3.1 SPECIFICATION FOR UP CONVERTERS (If fitted as a SEPERATE UNIT)

1. Input Frequency : 70 ± 18 MHz
2. Output B/W : +/- 18 MHz
3. Frequency Steps Size : Synthesized 125 KHz
4. Input Power : -20 dBm nominal
5. Output Frequency range : 5.85 GHz to 6.425 GHz
6. Frequency Accuracy : +/- 200 Hz
7. Frequency Stability : +/- 1000 Hz from 0 to 50 Deg. C
8. Output Power : 15 dBm
9. Gain Adjustment : 25 dB
10. Phase Noise
 - 10 KHz : -80 dBc per Hz
 - 100 KHz : -90 dBc per Hz
 - 1 MHZ : -110 dBc per Hz
11. Spurious : -65 dBc modulated
: -70 dBc unmodulated

B3.2 SPECIFICATION FOR HIGH POWER AMPLIFIER

(If fitted as a SEPERATE UNIT)

The high power amplifier is to be used for the final power amplification of the digital RF signal in C band, to be fed to the antenna after proper processing through filters etc.

The following will give a standard specification of the amplifier

- 5.1 Type : 200 Watt SSPA OR 400 Watt TWTA
- 5.2 Frequency : 5.85 to 6.425 GHz,
- 5.3 Cooling : Forced Air

B3.3 High Power Amplifier with internal BUC

(If fitted as a COMBINED UNIT)

The high power amplifier is to be used for the final power amplification of the digital RF signal in C band, to be fed to the antenna after proper processing through filters etc. The HPA is to be outdoor one with in-built Block Up-Converter (BUC).The unit shall be with remote control panel.

Sl no	Parameter	Specification
1	Output Frequency Range	5.925 - 6.425 GHz
2	Input frequency range	950 to 1450 MHz

Output Power		
1	Saturated Power (Typical)	53.00 dBm or better
2	Rated Power@ Amplifier Flange	52.00 dBm or better
3	Gain at rated power output	46 dB or better
4	Gain at small signal	52 dB or better
5	Small Signal Gain Variation	≤ 0.8 dB pk-pk across any 40 MHz Band
6	Slope, maximum	± 0.04dB/MHz max.
7	Stability	± 0.25 dB/24hr max.
8	Stability, Temperature	± 2.0 dB over operating temp. range;
9	Gain control	20 dB or better
10	Inter modulation with two equal signals	-25 dBc or better with two equal carriers at total power level 3 dB
11	Harmonic Output, maximum	-60 dBc or better
Group Delay, maximum (in any 40 MHz band)		
1	Linear	0.03 ns /MHz or better
2	Parabolic	0.005 ns /MHz ² or better
3	Ripple	1.0 ns p-p or better
4	Phase Noise, maximum	10dB below IESS phase noise profile or better
VSWR		
1	Input, maximum	1.5:1 max.
2	Load VSWR full specs compliance continuous operation	2.0:1 max
3	Output, maximum	1.3:1 max.
General		
1	Power Supply - operating voltage	180 to 245 V AC, Single Phase
2	Frequency	47 to 53 Hz single phase
3	Power factor	0.95 (Min.) or better
4	Power Consumption	1500 watts. Max or better
Spurious (max)		
1	Receive Band (3.7 to 4.2GHz)	-120 dBW / 4 KHz or better
2	Transmit Band (5.7 to 6.2 GHz)	-65 dBW / 4 KHz or better
3	Controls	HV on, Fault reset, heater standby
4	Monitoring Digital	HV on, Heater timeout, standby, summary fault, Helix current/ Arc fault, Helix current latched fault, Over voltage fault, Temp fault, Fan lock
5	Monitoring Analog	Helix current, TWT Temp. RF output
6	Altitude	3000 Meter AMSL
7	Shock vibration	Road Transportation
8	Cooling	Forced Air

B5. SPECIFICATION FOR 1.8 MTR – 2 MTR UPLINK ANTENNA (make AVL Technologies / GD Satcom/ Vislink)

B5.1 INTRODUCTION

This antenna would be used to uplink TV signals & it is required for up-linking digital channel through 200W SSPA/ 400 W TWTA, hence the feed handling capacity should be as given in the specifications below.

- 1) It should have at least 1 Uplink port and 2 downlink ports (i.e. both for Vertical & Horizontal Polarization)
- 2) Antenna should be made of lightweight material (carbon composite fiber).
- 3) Antenna should have lightweight Aerodynamic enclosure housing for protection of antenna reflector and HPA and for high speed movement of vehicle
- 4) The bidder shall have to supply, install, test and commission the PDA including NOCC clearance.
- 5) The antenna should conform to the latest CCIR recommendations, ITU-R Rec. 580- 5, satisfying the $29 - 25 \log (\theta)$.

5.2 ANTENNA SPECIFICATION FOR THE C-BAND ANTENNA

1. Size : 1.8 Mtr to 2 Mtr (nominal circular equivalent)
2. Mount : Elevation - Azimuth
3. Frequency of operation
Transmit : 5.85 GHz to 6.425 GHz.
Receive : 3.4 GHz to 4.2 GHz
4. Gain :
Transmit : 39.0 dB (Min.) for 1.8 Mtr / 41.0 dB (Min) for 2 Mtr @6 GHz
Receive : 34.0 dB (Min.) for 1.8 Mtr/ 36 dB (Min) for 2 Mtr @ 4 GHz
5. Off-axis gain
Transmit : 29-25 Log θ , (100 λ /D) Deg< θ <20 Deg. &
: -3.5 dBi 20 Deg< θ <26.3 Deg
6. Polarisation Type : Linear Orthogonal,
7. Polarisation Adjustment : +/-90 Deg. fine (Calibrated graduation, absolute)
8. Azimuth Adjustment : +/-180Deg. (including +5⁰ **fine adjustment**) (Calibrated graduation, relative)
9. Elevation Adjust : 10 Deg to 80 Deg. (including +5⁰ **fine adjustment**), (Calibrated graduation, relative)
10. Cross Polar Isolation : 35 dB relative to co-polar gain within 1 dB Contour.
11. VSWR
Transmit : 1.3: 1

Receive	: 1.3: 1
12. Port to port isolation	
Transmit to receive	: 40 dB (100 db with TRF)
Receive to transmit	: 30 dB
13. Wind Speed	
Operational	: 60 KMPH
Survival	: 100 KMPH.(in deployed condition)
14. Pointing Stability	: < + / - 0.2 deg.
15. Wave guide Flanges	: Tx CPR137 and Rx CPR 229

5.3 ANTENNA CONSTRUCTION & MOUNTING

Antenna and HPA in the towed down condition should be covered in a covered enclosure to protect it from all Indian weather conditions. It should be aesthetically and aerodynamically suitable for movement of Vehicle.

1. The antenna system should be suitable for mounting on vehicle and when stowed down it should have a low profile on the vehicle. Protrusion of antenna should not be more than the vehicle width.
2. Aerodynamic housing for high speed movement of van.
3. The design of the antenna should allow for automatic stow and deploy of the antenna from the controller mounted within the vehicle.
4. User friendly manual override should be provided.

5.4 ANTENNA CONTROLLER

1. An antenna controller shall be provided and mounted within the vehicle to allow full control of the antenna from within the vehicle.
2. The antenna controller should also control the automatic stow and deploy function. Manual over ride should be provided.
3. The antenna controller should include embedded software for the antenna tracking and satellite acquisition, peaking facility in conjunction with a GPS receiver and fluxgate compass mounted on the roof of the vehicle.
4. The antenna controller should be approved by OEM of antenna.

B6 SPECIFICATION FOR LNBC

These LNBCs are to be used for the reception of digital video/audio signals through the satellite:

1. Input frequency range: 3.7 GHz to 4.2 GHz
2. Local Oscillator frequency: 5.150GHz
3. Output frequency : 950 MHz to 1450 MHz

B7 MPEG 2/ MPEG 4 Prof. IRD Specifications (Make Ericsson / Harmonic / IDC / Thomson)

The IRD should have a front panel display and one should be able to enter or edit all the parameters for a perfect reception of the signals. **There should be provision for observing the BER of the signal and signal level on the front panel. IRD should be able to descramble BISS mode 1 and BISS-E signals. The IRD should be capable of receiving video of 4:2:0 as well as 4:2:2 profiles in MPEG-2 and 4:2:0 in MPEG-4.**

The IRD shall have analog and digital outputs of both Audio and Video one to provide a main output and the other for on-screen diagnostics without interruption of the main output. The IRD shall be ready without modification to receive and output the transmission of VBI signals.

B8 VEHICLE :

The DSNG vehicle should have easy manoeuvrability and should be of not earlier than 2016 year of manufacturing.

B8.1 VEHICLE TYPE :

- i. **TYPE :** Similar to Mahindra Scorpio, TATA 207, Force Traveller Cargo or any other reputed make fitted with five speed gear box, Power steering, double acting suspension. Power should be more than 65 HP@ 2800 rpm.
- ii. **Emission standard:** (Euro/ Bharat Stage- IV) whichever is applicable in Delhi and metros, whichever is stringent at the time of supply).
- iii. **Fuel :** It should use **Diesel** as fuel.
- iv. **Chassis:** With wheel base of 2800 mm or better
- v. **Ground clearance:** 175 mm or better

B8.2 VEHICLE CUSTOMISATION:

1. Vehicle should be facilitated with the following essential features:
 - (a) Engine Driven Air conditioner
 - (b) Fixed Placement or on sliding rail for Genset
 - (c) Power steering
2. The total weight of the complete system including UPS, and Gen-set should not be more than 75% of rated Laden weight carrying capacity of the Vehicle. The installed load of the equipments including the load of the vehicle must be properly balanced, favourable for steep slopes.
3. The DSNG van should have an arrangement to obtain all power required for operation from city Supply via external input power connector. A Power cable of minimum 50 meters length and adequate rating must be provided for this purpose.
4. The vehicle should be equipped with Hydraulic Jacks to provide stabilisation and immunity to movement, vibration etc.

B9 EQUIPMENT LIST

All the equipment of the DSNG van should be of not earlier than 2016 year of manufacturing.

Sr. No.	DESCRIPTION	Make	Model
1	Vehicle mounted 1.8 Mtr to 2 Mtr, motorized Antenna System (make AVL Technologies / GD Satcom/ Vislink)		
a	Lightweight 1.8 to 2meter segmented antenna with mount system		
b	C-band 3port feed (Tx range: 5.85 GHz to 6.425 GHz.)		
c	Transmit reject filter		
d	Interconnecting cables		
e	Fluxgate Compass		
f	Inclinometer		
g	Antenna control unit		
h	Global Positioning System (GPS)		
k.	Essential Additional Item (if any) to complete the antenna System		
2.	Input System		
a	Video Ground Isolator		
b	Audio Ground Isolator		
c	Video Audio Snake Cables (200 metre + 100 Metre)		
d	Video Equaliser / Cable length Equalisation		
e	XDCAM deck		
f	Audio Video Switcher(make Kramer / Nevion / Ross Video/ Extron)		
g	Audio Video Patch Panel		
h	4X4 HD / SD SDI Routing switcher		
3.	Compression Equipment:		
a	Encoder (MPEG 2 and MPEG 4, 4:2:0, 4:2:2)		
b	BISS-E scrambling (H/W & S/W) for Encoders		
c	Modulator (QPSK, 8PSK)		
d	Essential additional items (if any) for Encoder& Modulator		
4.	RF Equipment		
a	Up converter		
b.	Essential additional items (if any) to complete Up-converter system		
c.	High power amplifier (200 watt C-band SSPA/ 400 watt TWT amplifier)		
d.	Essential Additional Item (if any) to complete the HPA System		
5.	Receiving Setup equipments:		
a	IRD (Integrated Receiver Decoder) (4:2:0 and 4:2:2) MPEG2 and MPEG 4 with BISS-E De-scrambling Facility and SDI output		
b	LNBC (3.625 GHz to 4.2 GHz)		
c	Professional quality earplug for receiving IRD audio for news anchor		
d	Video Monitor with SDI/ Analog input with built in Audio bargraph		
e	Essential additional item (if any) to complete the receive set up		
f	Mobile phones (02 Nos.) with Accessories viz Bluetooth Earplug		

6.	Spares and Maintenance Tool Kit		
	a	Set of Adopters such as RCA to XLR, RCA to BNC adopters etc	
	b	Set of Tools for maintenance including soldering station (similar to Weller make)	
	c	Essential Additional items (if any) for maintenance work	
7.	Power and Air-conditioning equipment		
	a	Light weight low noise Petrol /Diesel Gen-set of at least 6.5 KVA (Honda, Yamaha Or Equivalent.)	
	b	UPS of 5 KVA or more Capacity (APC, Tata Libert, Delta or equivalent)	
	c	Air-conditioning system power from vehicle	
	d	Essential additional item (if any) to complete the UPS system	
8.	Miscellaneous		
		Any other item to Complete the specifications for smooth functioning of the system.	

C) General Conditions

- 1) The proposal should be comprehensive and should include provision of Driver with heavy vehicle Licence and a qualified broadcast Engineer (Minimum Diploma in Electronics & Telecomm. Or Equivalent) who can do operations and maintenance independently.
- 2) DSNG Manager-cum-coordinator: - the tenderer should deploy round the clock DSNG Manager-cum-coordinator at DD News premises to liaise with assignment & Engineering wing of DD News. They will ensure the deployment of DSNG Vans and proper hot-switching in the News Bulleting. They should have expertise in the DSNG deployment and frequency allocation field. They should have minimum five years experience in the field
- 3) The mobile Vans will be located in different cities like (Delhi , Mumbai, Kolkatta, Chennai , Hyderabad, Raipur, Srinagar, Jalandhar, Bangalore , Patna, Lucknow, Jaipur, Vijaywada) , but locations can be changed depending the coverage of the event and the vehicles can be moved across the country and will be moved at short notice and at any time in the day and night, to the site as per the decision and communication of Coordinating Officer of Doordarshan News.
- 4) The breakdown period of the setup should not be more than 24 hrs irrespective of cause being mechanical, electrical or electronics.
- 5) The hiring will be done for a period of **three years** which may be extended for one year as per the requirement of DD News.
- 6) The bidder should be responsible for clearance from Satellite agency for qualifying of the Antenna System.
- 7) The successful bidder will be required to provide the facilities within a period of twelve to sixteen weeks after placing of order but part delivery of the Mobile DSNG Vans shall not be acceptable.

- 8) The following documents is mandatory for the bidders to participate in the tender
- Balance sheet and Profit & Loss Account for last 3 years i.e. for 2013-14, 2014-15 and 2015-16 duly attested by Chartered Accountant
 - **Copies of the service tax/ Income tax Returns filed with the authorities for three years, i.e. 2013-14, 2014-15 & 2015-16.**
 - Copy of PAN Card
 - **Vat clearance certificate for the last three years i.e. 2013-14, 2014-15 & 2015-16 may be submitted.**
 - **A copy of the Company's Registration Certified / Partnership deed.**
 - **An Integrity pact as per CVC guidelines is also to be executed and enclosed alongwith the bid.**

The above documents should be uploaded along with the bid.

D) Qualifying Conditions:

- 1) **The bidder should have experience of **atleast 3years** in the field operation , maintenance and deployment of DSNG Vans**
- 2) **The company/firm should have the required turnover as per tender specifications.**
- 3) List of clients with details of services with the valid proof, the agency has previously supplied may be also provided.

E) Commercial:

Terms of payment:

- 1) The payment will be made on monthly basis against raising of Invoice. No advance payment will be made.
- 2) The tender should remain open for acceptance for a period of four months from the date of its opening.
- 3) The quantity required will be 17 DSNG mobile vans. This office reserves the right of increasing/decreasing the quantity and period of the DSNGs to be hired based on actual requirement.
- 4) **Hiring Charges:** The rates for hiring of DSNG vans must be quoted on yearly basis per DSNG Van. The Hiring charges for the DSNG Vans will have two components:
 - i) **The fixed rental charges of the vehicle (CAPEX Charges)** The rental charges of the vehicle may be quoted on yearly basis.
 - ii) **The recurring charges (OPEX Charges)** The recurring charges will be the expenditure incurred during the movement and actual deployment of vehicle. The charges may be quoted as:
 - i. **Deployment Charges**
(During operation/Deployment including AC & DC charges.) **Rs/Hour**
Rupees/ hour
 - ii. **Vehicle Movement Charges:**
 - a. **Local Movement within city: Rs/KM**

b. Outside movement (out of city) Rs/KM

The commercial bid will be evaluated as per the formula given below.

Cost evaluation chart for hiring of DSNG vans

SLNO	PARTICULARS	RENT PER MONTH PER VAN (IN RUPEES)	TOTAL COST PER MONTH FOR 17 DSNG VANS.
I	CAPITAL COST		
1	RENT FOR PER DSNG VAN	Rs.	
II	OPERATING COST		
2	OUTSTATION MOVEMENT	Avg kms 2243* x Rs per km/	
3	LOCAL MOVEMENT	Avg kms 408* x Rs per Km	
4	DEPLOYMENT CHARGES (DURING OPERATION INCLUDING AC AND DC)	Avg 116** hrs x Rs per hour	
Total of 1 + 2 + 3 + 4		Rs	

*the average Kms is taken above is average kms per month per DSNG of 16 DSNG vans period of one year

** the average hours is taken above is average deployment of one DSNG per month of 16DSNG vans for one year.

1. The capital cost will be fixed per DSNG van for one month
2. Local movement will be Avg km per month x Rs per Km for one month.
3. Outside movement will be avg kms per month x Rs per Km for one month.
4. Deployment charges (during operation including AC and DC) will be average hrs x Rs per Van.

Note : **The basis of L1 will be total of Capital cost + Operating Cost (1+2+3+4)**

NOTE: Any upward/downward revision in fuel prices by the gov. shall be dealt with by a formula enhancement/ reduction of recurring charges by an amount equivalent to percentage of hike/reduction in the average base price of the fuel i.e. petrol for generator and diesel for the vehicle movement (both the local/outside) as and when the average prices of these fuels increase/decrease by a minimum of 10% over the previous average base prices.

For example : if the local movement price is Rs 10 Kms. and the petrol , diesel rates increase by 10% during the last 6 months then the new price to be paid will Rs 11/- .per KM and if the petrol or diesel prices fall below 10% then the price to be paid will Rs 9/- per KMs.

F) PENALTY CLAUSE

DSNG vans are deployed for the coverage of important News Events of National importance such as statements of VIPs and VVIPs, political/ social/ scientific/ historical events and government announcements. Therefore, DSNGs cater to the most important news stories of DD News on a day to day basis. It is expected that DSNG vans would be equipped with rugged and high performance equipment. The management and operation of the DSNG Vans will be done by highly professional, disciplined and motivated staff capable of delivering NEWS "LIVE and without fail". The breakdown period of the setup should not be more than 24 hrs irrespective of cause being mechanical, electrical or electronics. If a DSNG Van is deployed to cover an event by the NEWS Assignment, any Breakdown during or before the service will be liable to financial penalties. The penalty will be imposed as follows:

a) The breakdown period of the setup should not be more than 24 hrs at any time during the proposed of contract, Irrespective of the cause being mechanical, electrical or electronics. Penalty would be charged at the rate of **Rs 15,000 per event per van and /or its equipment's for any breakdown.** If the Breakdown continuous throughout the day (for 24 hrs) financial penalties amounting to Rs 25,000 per day per van shall be charged and no hiring charges shall be paid **since it is logical that van will not be utilized, hence no payment be made for that day. Subsequent to that rental payment will not be made till the van is rectified/replaced for deployment.**

b) In the event of five or more breakdown of a vehicle in a month or continuous failure of five days. The vehicle will be declared unfit for the deployment and the agency will replace the Vans with another Van of good condition & fulfilling tender terms.

- The tender not fulfilling conditions and specifications as laid down in the tender document will be rejected without any further reference.
- A PRE BID MEETING WILL BE HELD ON 24/11/2017 AT 1230hrs IN ROOM NO 427 TOWER B DOORDARSHAN BHAVAN NEW DELHI.
- The bidding agency should be ready to provide Demo/ Presentation of the set-up to Doordarshan Authorities.
- The tenderer will be required to submit **Earnest Money deposit of Rs 45,32,250/- (rupees forty five lac thrity two thousand two hundred fifty only)** in form of Bid Bond, Bank Guarantee or Demand Draft payable to Prasar Bharati Broadcasting Corporation of India at New Delhi. This office reserves the right to forfeit the EMD if the agency withdraws the offer within the validity period.

- The successful bidder will be required to pay a Bank Guarantee of 10 % of the total value of contract **for the tenure for** which contract is awarded as a Security Deposit for facility/service surety. The SD can be deposited by way of Pay Order/Demand draft in favour of PBBCI or performance bond from any Nationalized or Scheduled Bank, which should remain valid for a period of 60 days beyond the date of completion of contractual or Warrantee obligations.
- The duly completed tender will be addressed to Additional Director General (Admin), Doordarshan News, Doordarshan Bhawan, Phase II, Copernicus Marg New Delhi -110001.
- Last Date of receipt of electronic tender is. 11/12/2017 upto 18.00 Hrs and opening of the same will be on 12/12/2017 at 1200 hrs.

Sr. Administrative Officer

BID EVALUATION CRITERIA

1.	SALIENT FEATURES	BIDDERS CONFIRMATION
1.1	Open Tender No.	DDN-5(166)/2013-14-G
1.2	Two Bid System / Single Bid System	Two Bid System
1.3	Tender Fee	Rs. 2500/- Non-refundable
1.4	EMD	Rs. 45,32,250/-
1.5	Validity Period of Bid	120 days from the date of opening i.e. up to and inclusive of date of opening.
1.6	Bid Bond	As per clause 1.4 on Invitation to Bid.
1.7	Security Deposit	The L1 agency Would be required to submit an initial Security Deposit/Performance Guarantee of 10% (ten percent) of total value of the contract within 15 days and sign an agreement with DD News.
1.8	Pre-Bid	24/11/2017 at 1230 hrs
1.9	Closing date of tender electronically	11/12/2017 upto 1800hrs
1.10	Opening date of technical bid electronically	12/12/2017 at 1200 hrs
1.11	Opening date of price bid	Date will be notified later on the website tenderwizard.com

Note: -

1. Latest updates regarding this tender can be accessed at Web-Site www.tenderwizard.com/PB & www.ddindia.gov.in (using the link business/Tender Notices (Engineering)).