

**RAJYA SABHA SECRETARIAT  
RAJYA SABHA TELEVISION  
3<sup>rd</sup> FLOOR TALKATORA STADIUM ANNEXE BUILDING  
NEW DELHI-110001**

No. RSTV/Admn/ 01 /2018

05 March 2019

**TENDER NOTICE FOR SUPPLY, INSTALLATION, TESTING AND COMMISSIONING  
OF END CONTROL EQUIPMENT (FORWARD/RECEIVE) FOR OFC OF RAJYA SABHA  
TELEVISION, NEW DELHI**

Sealed tenders are invited under two bid system viz. **Technical Bid** and **Financial Bid** from manufacturers/authorized distributors/dealers, hereinafter referred to as agency, for supply, installation, testing and commissioning of End Control Equipment (Forward/Receive) for Optical Fiber Connectivity (OFC) of Rajya Sabha Television as per Bill of Material given in Annexure I and Fiber Design for connectivity of 4 sites (work flow) is given in **Annexure-II**. The equipment will be installed at 12A Gurdwara Rakab Gunj Road, MSR of Doordarshan, Room No. 50 and 32, Parliament House.

2. **ELIGIBILITY CONDITIONS**

- (a) The Agency should have **Permanent Account Number (PAN)** under the Income Tax Act, 1961. A copy of the PAN card should be enclosed with the technical bid.
- (b) The Agency should have annual turnover of Rs. 1 (one) crore or above during each of the financial years 2016-17 and 2017-18. **Attested copies of Income Tax Returns and Balance Sheets for these financial years should be enclosed with the technical bid.**
- (c) The agency should have successfully supplied similar items to at least one TV Channel/Production House/Organisation in the past. Documentary proof in this regard along with completion certificate may be given with the technical bid.
- (d) If the Agency is a consortium, a copy of MoU between the partners should be submitted with the technical bid.
- (e) The Agency should have a Letter of Authorization from Original Equipment Manufacturer (OEM) to quote against the tender and for providing after sales support. A copy of the Letter of Authorisation should be enclosed with technical bid.
- (f) The Agency should not have been blacklisted by any government organization/PSU in the past. **A certificate to this effect should be enclosed with the technical bid.**

3. **The agency should keep following points in view while submitting its bid:**

- 3.1. Items supplied should be of standard make and model. The model of the equipment should not be nearing obsolescence.

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- 3.2 The OEM shall provide comprehensive after sales services in India such as repairs, maintenance, supply of spare parts etc. and should be able to provide such service at short notice. Irrespective of the presence of it's after sales service centers in India at least for a period of five years. OEM shall be required to furnish a certificate to this effect.
- 3.3. Software applications/firmware supplied, if any, should be of the latest version Upgrades to the same shall be provided during the warranty period without any financial implications.
- 3.4 Agency shall quote only for intended product and shall not quote for alternate product.
- 3.5 The Agency shall impart hands on training to the professionals of RSTV.

#### 4. **GENERAL CONDITIONS**

- 4.1 The successful bidder will ensure that the items mentioned in **Annexure I and specification given in Technical Bid (Annexure-III)** of this tender document are supplied, installed, tested and commissioned on site within 6 weeks from the date of issue of purchase order to the full satisfaction of RSTV.
- 4.2 The equipment should be securely packed to withstand transportation and delivered in perfect condition.
- 4.3 The equipment shall be under warranty for a period of 18 months from the date of commissioning of the equipment or standard warranty/ guarantees provided by the OEM, whichever is for more periods.
- 4.4. Agency shall quote separately for extended warranty of three years after expiry of initial warranty period of 18 months in Financial Bid (**Annexure IV**).
- 4.4 The Agency will supply two printed copies of Technical Manual / Operating Manual with each equipment. One set of test certificate of each equipment will be required to be enclosed with shipment.
- 4.5 Only reputed industry tested equipment and solutions with reliability will be accepted.
- 4.6 All the equipment should meet regulatory compliance, safety requirements and environmental clearances.

#### 5. **SUBMISSION OF BIDS**

- 5.1 The Agency should submit its bid in two parts, in separate covers, one containing the **Technical Bid** and the other the **Financial Bid** super scribed accordingly. The sealed Technical and Financial bids should be placed inside a large sealed cover super scribing **“Tender for Supply, Installation, Testing and Commissioning of End Control Equipment (Forward/Receive) for OFC of RSTV”**. The tender should be addressed to **Joint Director (Admin), Rajya Sabha Television, 3<sup>rd</sup> Floor, Talkatora Stadium Annexe Building, New Delhi-110001** and may be dropped in the drop box by **5:00 p.m. on or before 26 April 2019** or may be sent by courier/registered/speed post so as to reach **RSTV by 5:00 p.m. on 26 April 2019**.

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- 5.2 The **Technical Bid** should be given in the proforma attached as **Annexure III** and should be accompanied by earnest money deposit of Rs. 1 (one) lakh in the form of a demand draft drawn in favour of **Drawing & Disbursing Officer, Rajya Sabha Television** payable at **New Delhi** on which no interest will be paid. Earnest money of an Agency will be forfeited if it refuses to take up the job or fails to execute the order within the specified period or if the information given by it is found to be false; or if it withdraws the bid during the validity period of the bid. Earnest money of the unsuccessful bidders will be returned after completion of the tender process. Earnest money of the successful bidder will be returned after satisfactory completion of supply, installation, testing and commissioning of End Control Equipment (Forward/Receive) for OFC .
- 5.3 **Financial Bid** should be given in the proforma attached as **Annexure-IV**. Rates quoted should include delivery of equipment on site.
- 5.4 There should not be over-writing or correction or cutting in the bids and each page of the Technical Bid as well as Financial Bid should be signed by an authorized representative of the Agency.
- 5.5 Firm rates/charges should be quoted in Indian Rupees both in figures and words and should be valid for **180 days** from the date of opening of the bids. Rates and charges should be inclusive of GST and any other incidental charges.

6. **PRE-BID MEETING**

A pre-bid meeting will be held at **4 p.m. on 11 April 2019** in the office of RSTV, Talkatora Stadium Annexe Building, New Delhi-110001 where the intending bidders may seek any clarifications and visit RSTV office to have first-hand information about the requirements of RSTV. The intending bidders are requested to make it convenient to attend the pre-bid meeting so that there may not be any communication gap and they are aware of the requirements of RSTV.

7. **OPENING OF BIDS**

Technical Bids will be opened at **4 p.m. on 29 April 2019** at RSTV office, Talkatora Stadium Annexe Building, New Delhi-110001 in the presence of the bidders or representatives thereof, if any. Financial Bids of only such bidders will be opened who are found eligible in Technical Bid. Time and date of opening of the Financial Bids will be informed to the Agencies which are found eligible in the technical bid.

8. **TERMS OF PAYMENT**

- 8.1 90% payment of the total order value will be released after satisfactory completion of supply, installation, testing and commissioning of End Control Equipment (Forward/Receive) for OFC of RSTV.

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- 8.2 RSTV will withhold 10% of the total value of the contract as performance security which will be released after a period of one year from the date of satisfactory commissioning of equipment.

9. **REJECTION OF BIDS**

Canvassing by the bidders in any form, unsolicited letters and post tender correction may invoke summary rejection with forfeiture of EMD. Conditional tenders will be rejected. Rajya Sabha Television, Rajya Sabha Secretariat reserves the right to reject any or all of the bids without assigning any reason therefor.

10. **PENALTY CLAUSE**

Time is the essence of the project and the agency should stick to the prescribed time schedule. In case of late delivery, installation, testing or commissioning of the equipment the agency shall be liable to pay penalty @ 0.5% of the order value per week of delay or part thereof, upto a maximum amount of 5% of order value, after which the order is liable to be cancelled.

11. **INDEMNITY**

The successful bidder shall at all times indemnify RSTV/Rajya Sabha Secretariat towards any loss/damage caused or any claim raised against RSTV/Rajya Sabha Secretariat by any party/third party consequent to this contract. The successful bidder shall be liable, in accordance with the Indian Laws and Regulations for any accident or damage incurred or claims raised against RSTV/Rajya Sabha Secretariat during the period of delivery, installation, testing and commissioning of the equipment. The successful bidder shall also provide all insurance, including third party insurance as may be necessary to cover the risk. No extra payment would be made to the successful bidder on this account.

12. **ARBITRATION**

All the disputes and differences arising out or in any way touching or concerning the bid shall be referred to the sole arbitrator appointed by the Secretary General, Rajya Sabha. There will be no objection that the person so appointed is or was in the employment of the Rajya Sabha Secretariat and as employee of the Rajya Sabha Secretariat had during the course of his duties expressed views on all or any of the matter of difference or dispute. The award of such arbitration shall be final and binding on both the parties. The arbitration proceedings shall be held at New Delhi.

13. **JURISDICTION**

The Courts at New Delhi will have the sole and exclusive territorial jurisdiction over any dispute or difference in connection with this tender.

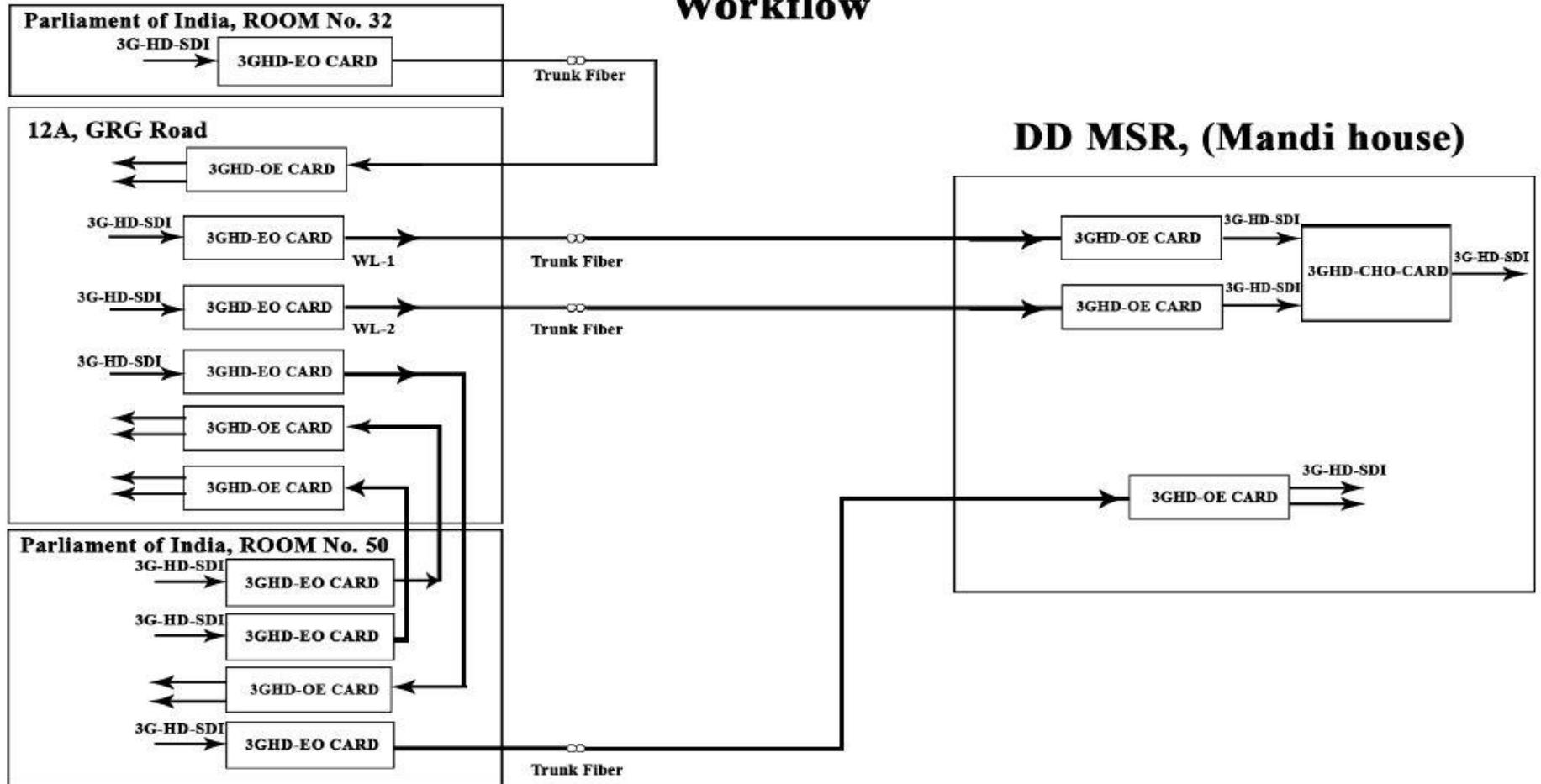
**Joint Director (Admn.)  
Rajya Sabha Television**

**Bill of Material**

<b>Sl. No.</b>	<b>Item Description</b>	<b>Quantity</b>
1	3G-SDI optical to electrical converter with required cable and accessories	7
2	3G-SDI electrical to optical converter with required cable and accessories	7
3	Frame Enclosure for cards with required cable and accessories	4
4	Frame Access Card with required cable and accessories	1
5	Automatic SDI Input Changeover with required cable and accessories	3

Note: Number of cards may vary depending upon input per card offered by the bidder, subject to fulfilment of indicative workflow in Annexure-II

## Fiber design for connectivity of 4 sites ANNEXURE - II Workflow



**Annexure III**

**Tender Notice for Supply , Installation, Testing and Commissioning of  
End Control Equipment (Forward/Receive) for OFC of RSTV**

**TECHNICAL BID DOCUMENT**

<b>Sl No.</b>	<b>Description</b>
1	Name of the Tenderer Firm/Agency/Company:
2	Postal Address of the Tenderer Firm/Agency/Company:
3	Details of the contact person of the Tendering Firm/Agency/Company: (a) Name of the Authorized person: (b) Tel. No. with STD (O) (Fax) : (b) Mobile No: (c) E-mail: (e) Website:
4	Name of Proprietor/Partners/Directors of the firm/agency:
5	Registration and incorporation particulars of firm: (Pl. attach copies of the relevant documents/certificates)
6	GST registration details: (Pl. attach copies of the relevant documents/certificates)
7	Permanent Account Number from Income Tax Department (PAN/Income Tax Circle/TIN): (Pl. attach copies of the relevant documents/certificates)

8	<p>Annual Turnover of the agency : (please attach certified copies of Income Tax Returns , Profit and Loss A/c and Balance Sheets for the relevant period):</p> <table border="0" style="width: 100%;"> <tr> <td style="text-align: center;"><u>Financial Year</u></td> <td style="text-align: center;"><u>Turnover</u></td> </tr> <tr> <td>(a) 2016-17</td> <td>- Rs. _____</td> </tr> <tr> <td>(b) 2017-18</td> <td>- Rs. _____</td> </tr> </table>					<u>Financial Year</u>	<u>Turnover</u>	(a) 2016-17	- Rs. _____	(b) 2017-18	- Rs. _____
<u>Financial Year</u>	<u>Turnover</u>										
(a) 2016-17	- Rs. _____										
(b) 2017-18	- Rs. _____										
9	<p>Details of supply of the similar products to TV Channel/Production House/ Organization during last two financial years:</p>										
	Sl. No.	Name & Address	Period during which the equipment were supplied	Value of equipment supplied in Rupees	Remarks, if any						
(a)			2016-17								
			2017-18								
10	<p>Details of the Earnest Money Deposit:</p> <p>(a) Name of the Bank:</p> <p>(b) Demand Draft no:</p> <p>(c) Value of the Demand Draft:</p> <p>(d) Demand Draft drawn in favour of:</p>										
11	<p>Technical specifications of the items required are given in column (2) of the following table. It may be specifically indicated in column (3) of the table whether the agency will undertake supply, installation, testing and commissioning of End Control Equipment (Forward/Receive) for OFC (as per specifications) for Rajya Sabha Television.</p>										





**Certificate**

**It is certified:**

- i) That I/ we have gone through and understood the requirements given in the RSTV Tender Notice no. RSTV/Admin/ 01/2018 dated 05 April 2019 and rates have been quoted accordingly.**
- ii) That the terms and conditions given in the tender notice are acceptable to me/us.**
- iii) That the information furnished by me /us is true and correct.**
- iv) That the agency has not been blacklisted by any Government organization/department.**

**Dated... April 2019**

**Name & Address of the firm**

**Signature of the Authorized Signatory & Seal of the Firm**

**Annexure IV**

**Tender Notice for Supply, Installation, Testing and Commissioning of  
End Control Equipment (Forward/Receive) for OFC of RSTV**

**FINANCIAL BID DOCUMENT**

**Name of the Tendering Agency:**

(1) Sl. No.	(2) Item Description	(3) Rate in Rs. (per unit) (exclud ing GST)	(4) Qty	(5) Total amount in Rs. (Col. 3) x (Col. 4)
1.	<p><b><u>3G-SDI Optical to Electrical Converter with required cable and accessories</u></b></p> <p><b><u>Specifications</u></b></p> <p>General Power                      5VDC 3.5W max</p> <p>Control and Monitoring              DIP configuration, SNMP and Web interface monitoring</p> <p>Temperature Range                    0 to +400C</p> <p>Supported Standards`                SMPTE292M, SMPTE259M, SMPTE297M, SMPTE305.2M, SMPTE310M, SMPTE424M, DVB-ASI EN50083-9</p> <p>Optical Sensitivity                    -30dBm or better</p> <p>Optical Window                        1200 - 1620nm</p> <p>Automatic Change Over              YES</p> <p><b><u>Input</u></b></p> <p>Number of Inputs                      1 Optical Input</p> <p>Connector                                SC/UPC</p> <p><b><u>Output</u></b></p> <p>Number of Outputs                    2 or more HD/SD-SDI</p> <p>Connector                                BNC 75 Ohm</p> <p>Return Loss                            &gt;15dB@ 5-1485MHx &gt;10dB@ 1485-2970MHz</p> <p>Amplitude                               800mV +/-10%</p> <p>Polarity                                  1 non-inverting, 1 inverting per converter</p>		07	

<p>2.</p>	<p><b><u>3G-SDI Electrical to Optical Converter with required cable and accessories</u></b></p> <p><b><u>Specifications</u></b></p> <p>General Power                      3.5W/5V</p> <p>User Interface                      Status LED, Status GPI, configuration DIP switches and Web interface monitoring</p> <p>Temperature Range                      0 to +400C</p> <p>Supported Standards                      SMPTE 259M, SMPTE 292, SMPTE 424M, SMPTE 310M, SMPTE 297, EN50083-9</p> <p><b><u>Output</u></b></p> <p>Number of Outputs                      1 Optical Outputs</p> <p>Connector                              SC/UPC</p> <p><b><u>Input</u></b></p> <p>Number of Inputs                      1 SD/HD-SDI</p> <p>Signal Type                              3G-SDI, HD-SDI, SD-SDI,</p> <p>Connector                              BNC, 75 Ohm</p> <p><b><u>Electrical output</u></b></p> <p>Number of Outputs                      2 or more</p> <p>Polarity                                  1 non-inverting, 1 inverting</p> <p>Amplitude                                800mV +/-10%</p> <p>Connector                                BNC, 75 Ohm</p>	<p>07</p>	
<p>3.</p>	<p><b><u>Frame Enclosure For Cards with required cable and accessories</u></b></p> <p><b><u>Specifications</u></b></p> <p>Dimension                              Standard Rack Mounting not more than 3 RU</p> <p>Power Supply                              220v@50Hz</p> <p>Compatibility                              Must be compatible with all the quoted cards</p>	<p>04</p>	
<p>4.</p>	<p><b><u>Frame Access Card with required cable and accessories</u></b></p> <p><b><u>Specifications</u></b></p> <p>Number of Cards                      All the Cards in the Frame Enclosure</p> <p>Connectors                                RJ45( Ethernet)</p> <p>User interface                              Configuration DIP switches and Web interface monitoring and Configuration</p>	<p>01</p>	

5.	<p><b><u>Automatic SDI Input Changeover with required cable and accessories</u></b></p> <p><b><u>Specifications</u></b></p> <p>Number of Inputs                      2 HD/SD-SDI input</p> <p>Connectors                                75 Ohm BNC</p> <p>Input Return Loss Active Input       &gt;15dB, 5MHz -1.485GHz</p> <p>Input Return Loss Passive Bypass   &gt;15dB, 5MHz -742.5MHz</p> <p>   &gt;10dB, 742.5MHz - 1.485GHz</p> <p>Electrical Sync Input                   Connector 75 Ohm BNC, Black &amp; Burst and Tri-level</p> <p>Input Return Loss                       &gt;35dB @ &lt; 10MHz, 30dB @ &lt; 30MHz</p> <p>HD/SD-SDI Outputs                    2 or more</p> <p>Connectors                                75 Ohm BNC</p> <p>Output Signal Level                    800mV +/- 10%</p> <p>Output Signal Rise / Fall Time       20% - 80% SD limit: [0.4ns – 1.5ns]; &lt; 270ps,</p> <p>User Interface                            Status LED, GPI Triggering, configuration DIP switches , Web interface monitoring and configuration</p>		<b>03</b>	
6.	Cost of extended warranty after expiry of standard warranty period of 18 months		03 years	
<b>Grand Total</b>				

It is undertaken that:

- i) The above rates are excluding applicable taxes.
- ii) The above quoted rates shall remain valid for 180 days from the date of opening of the financial bid.

Dated.....April 2019

Name & Address of the firm

**Signature of the Authorized Signatory & Seal of the Firm**