

Government of India  
Ministry of Information & Broadcasting  
**Broadcast Engineering Consultants India Limited**  
No.162, II Main, I Cross, AGS Layout, RMV II Stage, Bangalore – 560094

NIT No: **BECIL\CU\JHARKHAND\TV&CRS\Equip\2021-22**  
**Dated: 12/04/2021**

**Notice Inviting e-Tender (NIT) Document**

**e-TENDER FORSITC OF TV STUDIO, COMMUNITY RADIO STATION (CRS), INTERNET RADIO EQUIPMENTS AT CENTRAL UNIVERSITY OF JHARKHAND(CUJ), RANCHI.**



**Broadcast Engineering Consultants India Limited**

**(A Government of India Enterprise)**  
**(A Mini Ratna Company)**

**Corporate office:** BECIL Bhavan, C-56, A/17, Sector-62, Noida-201201, U.P.  
Tel: 0120-4177850, Fax: 0120-417787, Email: [contactus@becil.com](mailto:contactus@becil.com)  
[www.becil.com](http://www.becil.com)

**Regional Office:** House No.162, II Main, I Cross, AGS Layout, RMV II Stage, Bangalore – 560094,  
Tel: 080-2341 5853 [bangalore@becil.com](mailto:bangalore@becil.com)

# Broadcast Engineering Consultants India Limited

## Regional Office

Bangalore-560023

E Mail: [bangalore@becil.com](mailto:bangalore@becil.com),

Web Site: [www.becil.com](http://www.becil.com)

On line e-tender website <https://becil.euniwizarde.com>

**NOTICE INVITING e-TENDER FOR TWOBID SYSTEM (TECHNICAL AND COMMERCIAL) OFFER SHOULD BE SUBMIT IN COMPLETE IN ALL RESPECT ON ONLINE ONLY FOR SITC OF TV STUDIO, COMMUNITY RADIO STATION (CRS) INTERNET RADIO EQUIPMENTS AT CENTRAL UNIVERSITY OF JHARKHAND, RANCHI.**

BID REFERENCE NO.	<b>BECIL\CU\JHARKHAND\TV&amp;CRS\Equip\2021 - 22 Dated: 12/04/2021</b>
Date of Commencement of Sale of Tender Document Through Down Loading	<b>12/04/2021</b>
Last Date and Time for Receipt of Bids	<b>03/05/2021 before 3:00PM</b>
Place of Opening of Bids	<b>Bengaluru</b>
Date and Time of Opening of Technical Bid	<b>03/05/2021 at 3:30 PM</b>
Date and Time of Opening of Price Bid	Will be notified
Postal Address for sending the EMD and Tender cost Communication	Deputy General Manager BECIL-Ro No.162, II Main, I Cross, AGS Layout, RMV II Stage, Bengaluru - 560094. <a href="mailto:usha@becil.com">usha@becil.com</a> E mail: <a href="mailto:bangalore@becil.com">bangalore@becil.com</a> Telephones: 080-23418583, FAX: 080-23418583

### 1. This RFP is divided into five parts as follows:

- a) **Part I: Contains General Information and instructions for the bidders about the RFP such as the time, cost of RFP document, EMD, place of submission, and opening of RFP, validity period of RFP etc.**
- b) **Part II: Containing essential details of the services required, such as the prerequisite of the bidder/agency, technical details and eligibility criteria etc.**
- c) **Part III: Contains Standard Conditions of RFP, which will form part of the Contract with the successful bidder/agency.**
- d) **Part IV: Contains Special Conditions applicable to this RFP and which will also form part of the contract with the successful bidder/agency.**
- e) **Part V: Evaluation Criteria and Commercial offer issues.**

**2. This RFP is being issued with no financial commitment and BECIL reserves the right to change or vary any part thereof at any stage. BECIL also reserves the right to withdraw the RFP should it become necessary at any stage.**

# Broadcast Engineering Consultants India Limited

## TERMS & CONDITIONS

(Note: The Tenderers are requested to go through the instructions carefully and complete all formalities as required and submit along with bid)

### 1. Tender Information

Sl. No	Description	Remarks
1	Website	<a href="https://becil.euniwizarde.com/">https://becil.euniwizarde.com/</a> <a href="http://www.becil.com">www.becil.com</a>
2	Name of Work	<b>SITC OF TV STUDIO, COMMUNITY RADIO STATION (CRS), INTERNET RADIO EQUIPMENTS AT CENTRAL UNIVERSITY OF JHARKHAND, RANCHI.</b>
3	Tender Reference No.	BECIL\CU\JHARKHAND\TV&CRS\Equip\ 2021 – 22Dated: 12/04/2021
4	Tender Type	Open Tender
5	Tender Release Date	12/04/2021
6	Last date and time of submission	03/05/2021before 3:00PM
7	Date of Opening of Technical bid	03/05/2021before 3:30PM
8	Date of Opening of Financial bid	Will be notified later
9	Contact Details for correspondence/queries	Mrs. Usha Mangalgi, DGM, BECIL-RO. Email: <a href="mailto:usha@becil.com">usha@becil.com</a>
10	Tender Category (Tender Information)	Works
11	Delivery period	8 weeks
12	Earnest Money Deposit (Rs.)	Rs. 2,00,000/- in the form of BG/DD/Bankers Cheque
13	Cost of Tender Form (Rs.) <b>Non refundable</b>	Rs. 2,000/- + GST @18% in the form of DD/Bankers Cheque
14	Tender Processing Fee ( <b>Nonrefundable</b> ) Rs.	As per portal norms
15	Performance Bank Guarantee (PBG)	<b>3% of the work order value</b>
16	Contact Details of Helpdesk for registration/Tender Support are:	+91 8448288994/87/89/92, 8448288988, 9355030630, 8448288980 and 9355030602
17	Help Desk for E-Wizard	Helpdesk (10:00AM to 6:00PM): 011- 49606060 <a href="mailto:Eprochelpdesk.01@gmail.com">Eprochelpdesk.01@gmail.com</a>

#### **Note:**

**EMD is not required to be submitted by those Bidders who are registered with the Central Purchase Organization, National Small Industries Corporation (NSIC) and Micro and Small Enterprises (MSEs) and as defined in MSEs Procurement Policy issued by Department of MSME as per Rule 170 of GFR-2017.**

**The Bidder seeking exemption should be registered with MSME/ NSIC for the items/ equipment as mentioned in the tender/RFP and should upload a copy of valid registration Certificate along with the technical bid.**

**Pre-bid queries: Intended bidders can send their queries on or before 25<sup>th</sup>April 2021 through email addressing to the contact details mentioned below. Bid queries will be replied back through mail and any amendments will be published through a corrigendum in the BECIL website <https://becil.euniwizarde.com/www.becil.com>**

**Mrs. Usha Mangalgi,  
DGM, BECIL-RO  
Email: [usha@becil.com](mailto:usha@becil.com).**

## **SPECIAL INSTRUCTIONS TO BIDDERS From BECIL**

1. Tender documents uploaded by BECIL can be downloaded from the website [www.becil.com](http://www.becil.com). Or <https://becil.euniwizarde.com/>
2. To participate in the e-Bid submission, the bidders are required to obtain user ID & password for e-procurement portal by filling up registration form duly supported by following documents and payments –
  - i. PAN Card (for Individuals, Indian and Foreign Bidders)/ TAN Card (for Foreign Bidders).
  - ii. Letter head of Proprietor Firm / Partnership Deed / Certificate of Incorporation / Memorandum and Articles of Association (MoA).
  - iii. GST Registration Certificate.
  - iv. For registration on BECIL portal one-time charges of **Rs. 2000/- + GST** shall be payable through online payment only.
  - v. The required documents are to be uploaded on portal during registration process.
  - vi. Upon successful registration, an acknowledgement mail shall be sent by e-Wizard a copy of which shall be required at [helpdeskeuniwizarde@gmail.com](mailto:helpdeskeuniwizarde@gmail.com) to ensure account activation.
3. Once the registration process is complete, CLASS 3 Digital Signature Certificate of the bidder shall be required for uploading of their Bid Documents. Applicant's digital signature on the E- Tender form is a tool for considering that they have read / accepted and uploaded tender documents true to their knowledge and belief and that they have signed with full responsibility towards the document submitted by their bidding firm / organization

## **Part I – General Information**

1. Complete EOI document can be download from e-Tender portal of BECIL <https://becil.euniwizard.com>.
2. Both Technical Bid and Financial Bid will be submitted concurrently duly digitally signed on the website <https://becil.euniwizard.com>.
  - a) To participate in the E-Bid process, it is mandatory for bidders to register with 'E-Wizard' and to have valid user ID & Password.
  - b) Prospective bidders are advised to obtain digital signature (Level 3) and register themselves at <https://becil.euniwizarde.com> well in advance. Please note that BECIL will in no way responsible if a bidder fails to apply due to non- possession of Digital Signature & non registration.
  - c) As a part of pre-bid if there are changes in submission format, then all the proposals submitted till that time will be null and void. The bidder has to resubmit the proposals again. BECIL will not take any responsibility for any lapse whatsoever on account of this issue.
  - d) Compliance to registration requirements and payment regarding the same etc. and timely uploading of the proposals will be responsibility of the bidder. (Note: To participate in the e-Bid submission, it is mandatory for the bidder to have a user ID & Password. For this purpose, bidder has to register itself with BECIL through E-Wizard Website given below. Please also note that the bidder has to obtain digital signature token for applying for the e-Bid. In this connection, bidder may also obtain the same from E- Wizard.)
  - e) **Steps for Registration:**
    - Go to website <https://becil.euniwizarde.com>
    - Click the link 'Register here'
    - Enter the details about the E-tendering as per format
    - Click 'Register'
    - E-tender will get confirmation with Login ID and Password
  - f) **Steps for application for Digital Signature from E-Wizard:**

Download the Application Form from the website <https://becil.euniwizarde.com> Follow the instructions as provided therein. In case of any assistance, you may contact E-Wizard officers whose contact details are given in the RFP document.

Proposalistobesubmittedthroughonlinemodeonwebsite<https://becil.euniwizarde.com>in the prescribed form.
3. **E-TENDER PORTAL FEE**

The bidder has to pay a non-refundable e-tender portal fee amounting to **Rs. 2000/- + GST (Non-refundable)** through e-payment Gateway available on e-tendering website before submission of the proposal.
4. It is mandatory for all the applicants to have Class-III Digital Signature Certificate (in the name of person who will sign the bid document) from any of the licensed certifying Agency.
5. Tender fee and EMD deposit shall be placed in a single sealed envelope super scribed with tender reference No and date of opening so as to reach Broadcast Engineering Consultant India Limited, Regional Office, No.162, AGS layout, RMV 2<sup>nd</sup> stage, Off New BEL road, Bangalore-560094, before scheduled time on prescribed tender opening date. EMD received late shall be summarily rejected. Hard copy of any other tender document shall not be accepted.

## **Submission of Tender:**

- (A) The tender will be on the basis of “Two Bid System” and offers are to be submitted through e-tender.
- I. The “Technical Bid” contains Technical document towards eligibility criteria.
  - II. The “Price bid” will contain the price schedule duly filled-in and contain all the commercial details of the bid.

**Both Technical bid and commercial bid will be submitted concurrently online duly digitally signed. Your offer shall be submitted online before the notified date of closing of the tender.**

**6. Last date and time for submission of online e-tender: 03/05/2021 - up to 15:00hrs.**

**7. Date and Time for opening of online e-tender: 03/05/2021 – 15:30hrs**

(If due to any exigency, the due date for opening of the tender is declared a closed holiday, the tender will be opened on the next working day at the same time or on any other day/time, as intimated by BECIL)

**8. Clarification regarding contents of the RFP:**

A prospective bidder who requires clarification regarding the contents of the RFP document shall notify to BECIL in writing about the clarifications sought not later than 5 (Five) days prior to the date of opening of the RFP. Copies of the query and clarification issued by BECIL will be sent to all prospective bidders who have registered the RFP document and will also be posted on website [www.becil.com](http://www.becil.com) & <https://becil.euniwizarde.com/>

**9. Modification and withdrawal of RFP:**

An agency may modify or withdraw his RFP after submission provided that the written notice of modification or withdrawal is received by BECIL prior to deadline prescribed for submission of RFP. A withdrawal notice may be sent by fax but it should be followed by a signed confirmation copy to be sent by post and such signed confirmation should reach BECIL not later than the deadline for submission of RFP. **No RFP shall be modified after the deadline for submission. No RFP may be withdrawn in the interval between the deadline for submission of RFP and expiration of the period of RFP validity specified. Withdrawal of RFP during this period will result in agency's forfeiture of bid security.**

**10. Clarification regarding contents of the RFP:**

During evaluation and comparison of RFP, BECIL may, at its discretion, ask the agency for clarification of his RFP. The request for clarification will be given in writing and no change in prices or substance of the RFP will be sought, offered or permitted. **No post-RFP clarification on the initiative of the agency will be entertained.**

**11. Rejection of RFP:**

Canvassing by the agency in any form, unsolicited letter and post-RFP correction may invoke summary rejection with forfeiture of EMD / Bank Guarantee.

**12. Unwillingness to quote:**

Agencies unwilling to offer should ensure that intimation to this effect reaches before the due date and time of opening of the RFP, failing which the defaulting bidder may be delisted for the given range of items as mentioned in this RFP.

**13. Validity of RFP:**

The RFP should remain valid for three months (3 Months) from the date of opening of the RFP.

**14. Cost of RFP:**

Detailed RFP document can be obtained from the website <https://becil.euniwizarde.com/> / [www.becil.com](http://www.becil.com). Further the tender cost, processing fees and EMD should be paid as per the details mentioned above in the tabular.

**The original EMD may submitted in the form of Demand Draft/Bankers Cheque/BG** in favor of Broadcast Engineering Consultants India Limited, payable at Bengaluru should be submitted at Broadcast Engineering Consultants India Limited, at Bengaluru -560094 **before the due date and time of online bid submission.**

**15. Earnest Money Deposit (EMD):**

The bidder/agency shall have to submit Earnest Money Deposit (EMD) of **Rs.2,00,000/-** (Rs. Two lakhs Only). The EMD may be submitted in the form of Demand Draft/Banker's Cheque in favor of **Broadcast Engineering Consultants India Limited, Payable at Bangalore** from any of the Public Sector Banks or a private Sector Bank authorized to conduct government business.

The EMD shall be part of the Technical Bid. Bids not accompanied with EMD shall stand rejected. No interest shall be paid on the EMD amount. In case of wrong information/ bidder has hidden material fact, EMD will be forfeited. EMD should be valid for a period of 180 (One Eighty) days from Proposal Due Date. The Bid Security / EMD will be refunded to unsuccessful Applicant agencies within 20 (Thirty) days of completion of selection process.

EMD is not required to be submitted by those Bidders who are registered with the Central Purchase Organization, National Small Industries Corporation (NSIC) and Micro and Small Enterprises (MSEs) and as defined in MSEs Procurement Policy issued by Department of MSME as per Rule 170 of GFR-2017.

The Bidder seeking exemption should be registered with MSME/ NSIC for the items/ equipment as mentioned in the tender/RFP and should upload a copy of valid registration Certificate along with the technical bid.

**Note: Copies of the DD/Bankers Cheque.r.t EMD and tender cost should be uploaded in the portal during the online submission.**

***Tender processing fee should be paid online after the bidder registration process.***

**16. Opening of RFP:**

After ensuring the "Tender Fee & EMD" the "technical documents towards eligibility criteria" would be opened on the time and date mentioned above.

The price bid/commercial offer of only those bidders will be opened (at a later stage) whose documents towards eligibility criteria are found compliant/suitable after technical evaluation is done by the committee.

## Part II

### Scope of work, Eligibility Criteria (Terms & Conditions) and Technical Details:

#### **1. Eligibility Criteria (Terms & Conditions) and Technical Details:**

- (i) It's preferred that the agency have office in India.
- (ii) The agency shall not sub-contract or transfer the contract to any other firm or another supplier/contractor.
- (iii) The agency should have valid GST registration etc.
- (iv) The agency must submit documentary evidence in support of fulfilling eligibility criteria mentioned above.
- (v) The agency must furnish a copy of audited balance sheet along with annual income tax return for last three years i.e., for FY 2017-18, 2018-19,2019-20.

#### **2. Eligibility Criteria:**

<b>SL. No</b>	<b>Eligibility Criteria</b>	<b>Remarks/Supporting Documents</b>
1.	Completion Certificates/Work orders issued by client to be submitted for Experience of having successfully completed similar works during last 5 years ending last day of month previous to the one in which bids are invited should be either of the following: - Three similar completed works costing not less than the amount Rs. 40. Lakhs. OR Two similar completed works costing not less than the amount Rs. 50 Lakhs. OR One similar completed work costing not less than the amount of Rs.80 Lakhs. Similar work means, supply, installation, testing and commissioning of TV, CRS and Studio lighting systems and similar nature of works.	Copies of work orders / agreements / Completion certificates.  In case if the customer happens to be a private company or individual, completion certificate along with TDS issued by the customer for the said project will be attached as proof of executed value of the work. Bidder has to show all the substantial documents if requires
2.	The agency to provide the list of clients	List with name of client, authorized representative and contact details
3.	The bidders shall provide PAN, GST registration certificate, under their own name. The registration must be in force and shall not expire during the course of - contract/work.	Copies of all mentioned certificate to be enclosed.
4.	It's preferred that the agency have office in India with presence in all the major cities of India	Self-certified address of the India office (shall be verified by BECIL)
5.	The agency should have average turnover of Rs. 100 Lakhs in last three financial years (i.e., FY 2017-18,2018-19,2019-20) in India.	Audited balance sheet and Profit and Loss statement should be enclosed. Copies of last three financial year's Income tax return certificates. Copy of Audited balance sheet for the financial Year 2017-18, 2018-19 and 2019-20.
6.	The agency should not be blacklisted by any Central Government / State Government / PSU / Government bodies / Autonomous Bodies / Private Sector.	Undertaking on Company Letterhead with Company Seal and signature of authorized person.



### **2.1 Additional essential documents required**

- a. The bidders must submit Letter of Authorization in original from the OEM for all the major equipment offered by them in the format of authorisation in the RFP.
- b. Particulars of the partners or related / inter-linked company in India for sales, installation / commissioning and support (for principals/OEMS) or, principals with whom you have a tie-up (in the case of integrators).

### **3. Bidder's Scope of work:**

- a. **Qualified bidder/Contractor has to supply, install, test and commissioning (SITC) OF TV STUDIO, COMMUNITY RADIO STATION (CRS), INTERNET RADIO EQUIPMENTS AND STUDIO LIGHTINGS AT CENTRAL UNIVERSITY OF JHARKHAND, RANCHI.**
- b. **One year Warranty from the date of installation. Training on the usage part of the setup, and project documentation with operation & maintenance manual, technical drawings are also part of the scope of work.**

Note: Any accessories, cables, connectors, converters etc. required for the completion for the scope of works should be considered by the bidders.

**3.1 BOM for the SITC OF TV STUDIO, COMMUNITY RADIO STATION (CRS) INTERNET RADIO EQUIPMENTS AT CENTRAL UNIVERSITY OF JHARKHAND, RANCHI.**

**A. BOQ FOR THE TV STUDIO**

<b>SL. No</b>	<b>Description</b>	<b>Unit</b>	<b>Qty</b>
1	1" MOS/ CMOS Single chip OR ½ type 3 CMOS Image Sensor 4K Camcorder with all essential accessories:	Num	2
1.a	Battery with battery charger	Num	2
1.b	64 GB Memory card	Num	4
1.c	Card reader compatible to the recording media	Num	2
2	Two-Stage Aluminum Tripod System along with dolly suitable for above camcorders. Tripod, pan and tilt head, dolly with zoom control and all accessories offered should be capable to take load of camera and teleprompter which is put together 20 kg (approx.) to operate in the studio setup	Num	1
3	Two-Stage Aluminum Tripod System along with dolly suitable for above camcorders. Tripod should be capable to take load of camera more than 5 kg and to operate in the studio setup	Num	1
4	Digital Video Production Switcher	Num	1
5	49" Full HD LED Display with suitable stand compatible for above production switcher.	Num	1
6	32" Display Monitors	Num	2
7	Mounting arms over the PCR table for holding 32" monitors	Num	2
8	HD/SD Digital Video Recorder & Player with 2x 500 GB HDD	Num	1
9	Talk back system: 4-way intercom with 4 sets of Belt pack with 20 mtr.	Num	1
10	Wired Lapel Microphone	Num	3
11	Wireless lapel microphone system (Tx' r + Rx' r)	set	1
12	Wireless hand-held microphone system (Tx' r + Rx' r)	set	1
13	In Ear Piece	Num	3
14	Speaker on studio floor + PCR (editing)	Pair	2
15	16 Channel Audio Mixer	Num	1
16	Digital SD / HD-SDI Video Distribution Amplifier	Num	1
17	Audio Distribution Amplifier	Num	1
18	Editing System: MAC Pro, S/W and H/W FCP X	Num	1
19	65" Interactive smart board with Wall Mount Bracket + OPS-PC (Onboard Computer).	Num	1
20	Suitable stand for above interactive Display		
21	HD-SDI to HDMI Converter	Num	1

22	Headphones	Num	4
23	19" Teleprompter with Desktop Samvad 19" LCD Tele Prompter with Professional Software. Includes 19" Monitor, Tripod mounting accessories, Height adjustable mirror housing. With 15-meter VGA cable. Samvad Professional Software with Rundown Facility. + Suitable Desktop	Num	1
24	Wired Desktop Controller for Teleprompter hand control with USB Extender and 20-meter Cable.	Num	1
25	24 port Gigabit Ethernet Switch	Num	1
26	Wi-fi enabled router	Num	1
27	12 U Rack	Num	1
28	Document Camera	Num	1
29	Creative pen and 24" HD touch creative interactive display	Num	1
30	<b><u>Installation at the temporarily identified location.:</u></b> Testing, Installation & Commissioning charges & training with all the installation materials.	Ls	1

**B. BOQ OF COMMUNITY RADIO STATION(CRS) & INTERNET RADIO.**

<b>SL. No</b>	<b>Description</b>	<b>Unit</b>	<b>Qty</b>
1	12 Channel Digital audio Mixer	Num	2
2	Work Stations with Antivirus	Num	4
3	Single Channel Sound Card	Num	2
4	Speakers with Mount Stand	Pair	2
5	Professional Headphones	Num	11
6	Recording/Editing Software	Num	3
7	On AIR Light	Num	2
8	Automation/scheduling & play out software	Num	1
9	Condenser Microphone with Flexible Arm Stand, one Spider Shock Mount with Stand clip and puff filter	Set	1
10	Portable Audio System for Video Production	Num	1
11	Cardioid Dynamic Microphone	Num	8
12	Microphone Table Top Stand	Num	8
13	Portable Field Recorder	Num	6
14	Single line Telephone Hybrid	Num	1
15	Audio processor for Internet Radio Application internet steaming setup, Sound Max Manager, software for remote operation, Android application, Universal Web player, Radio Garden Connectivity. Flat CDN Bandwidth for Unlimited Listener per Year (Bandwidth for Internet Radio	Ls	1
16	<b>Flat CDN Bandwidth for limited Listener of about 5000 users per Year (Bandwidth for Internet Radio)</b>	Num	1
17	Digital tuning FM receiver	Num	1
18	Digital display Clock	Num	1
19	<b><i>Installation at the temporarily identified location.</i></b> Testing, Installation & Commissioning charges & training with all the installation materials	Ls	1

**C. Installation, Testing, Commissioning of the supplied materials for studio (TV, CRS, Internet Radio) with training charges at permanent studio location**

1	<p><b>Final Commissioning of TV &amp; CRS, IR Studios:</b> Studios are ready but still interior works has not been completed. Once Interior, electrical and HVAC is ready, vendor has to take up the final installation, commissioning, testing and training of all supplied equipment's. Installation, testing&amp; Commissioning and training charges with required installation materials. Layout drawings will be shared once the site is ready.</p>	Ls	1
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**D. BOM OF STUDIO LIGHTINGS**

SL. No	Items	Unit	Qty
1	100W LED Lens Panel Light having 3200K color temperature, CRI, TLCI and R9 value above 96, High quality lamp sources, Flicker free pure light, No green tint, manual dimming through Knob, control mode: Manual and 2/5 DMX control mode through 5pin/3pin xlr. Black powder coated fabricated housing with normal yoke and Color Filter Frame but without accessories.	NUM	2
1.a	MS fabricated 4-leaf barn door for 100W Lens Panel Light.	NUM	2
2	Lighting Stand for Lens Panel Light 3 Section stainless stand with 16mm adaptor rotated by base extended height up to 8ft.	NUM	2
3	3 Section ENG Light stand having maximum extension of 8 ~ 10 Feet provided with bottle and easy locking, release with black powder coated finish	NUM	2
4	Installation Material and Installation charges with training Services	Ls	1

### 3.2 Detailed technical specifications for TV Studio, Community Radio Station (CRS) Internet Radio Equipment's at Central University of Jharkhand, Ranchi.

#### Brief technical details of each item

#### A. Detailed technical specification for TV studio

SL. No	Description	
1	<p><b>4K Camcorder:</b>            Image sensor: <b>1" MOS/ CMOS Single chip or ½ "type 3 CMOS Image Sensor</b>            Lens: Fixed Zoom Lens with Optical Zoom ratio of 17x or better with manual three rings for control of zoom, iris and focus            Optical System: F1.6 prism system            Neutral Density filter: Clear, 1/4, 1/16, 1/64            Sensitivity: F12 or better on (2000 lx, 3200 K, 89.9 reflect            Horizontal Resolution: 2,000 TV lines or more (3840 x2160p mode) or better 1,000 TV lines or more (1920 x1080p mode) or better            Shutter Speed: 1/25 sec to 1/10,000 sec or better            Monitor/Viewfinder: 3.5" type LCD color monitor and 0.39 type OLED Viewfinder            Essential Features: It should have slow and fast motion recording and reproduction facility.            Video / Audio Output: The camcorder should have HD-SDI output, HDMI out and microphone/line input on XLR. Besides, it should also have USB port.            Memory card Slots: The camcorder should be able to record on memory cards.            Signal to Noise Ratio: 60 dB or better            ZOOM LENS: Optical Zoom Ratio :17X or better            Recording format : UHD (3840 x 2160) : HEVC Long GOP 150 Mbps (4:2:0) with MOV wrapper and MPEG-4 AVC/ H.264 Long GOP 150 Mbps (4:2:2) with MOV wrapper or XAVC - L QFHD MPEG-4 AVC / H.264 150 Mbps with MXF wrapper or            MPEG-4 AVC / H.264 150 Mbps with QuickTime wrapper HD (1920 x 1080): MPEG-4 AVC / H.264 Long GOP 50 ,Mbps (4:2:2) with MOV wrapper or XAVC - L HD MPEG-4 AVC/ H.264 50 'Mbps and MPEGHD422 50 Mbps with MXF wrapper 'or MPEG-4 AVC / H.264 50 Mbps and MPEG-2 Long GOP with QuickTime wrapper            Video/Audio Recording: Recording Media: SXS/SDHC/SDXC/ Micro P2 Memory card            Recording Formats: Recording resolution: 3840 ×2160 (UHD), 1920 ×1080 (FHD), 1280 ×720 (HD) 720 ×480 (SD), 720 ×576 (SD)            XAVC/MOV(AVC)/MOV(HAVC)/AVCHD            Live Streaming: Network Protocol: RTSP/RTP/RTMP            Video Compression Format: H.264/MPEG4 AVC Main Profile, High Profile            Audio Compression Format: AAC LC            Interfaces: Video Output: BNCx1HD-SDI, SD-SDI HDMI Out: HDMI:4:2:2/10 bit            UHD / HD /SD format support            Audio Input: XLR-type 3-pin (female) (x1)            Audio Output: 3.5 mm diameter stereo mini jack x 1,            Accessories: Battery, Battery charger, AC adaptor, AC cable, Microphone holder kit, Shoulder strap, Eye cup.            Additional battery (with each Camcorder): Qty 1x Additional Batteries  <b>The bidder should provide camera with all essential cables and accessories for completeness of the system. Lens, lens hood with cap, 3.5" LCD monitor, Battery pack, charger, AC adopter, 64 GB Memory Card Compatible with camera for 4k recordings: 2 Nos, suitable remote zoom and focus lens control, Tripod attachment for the video camcorders, shotgun Electret condenser microphone, cables &amp; connectors along with suitable soft carry case.</b></p>	<p><b>Panasonic/ Sony/ Ikagami</b></p> <p><b>Preferable models</b></p> <ul style="list-style-type: none"> <li>➤ <b>PXW-Z280 in Sony</b></li> <li>➤ <b>AG-CX350 in Panasonic</b></li> </ul>

1.a	Battery with battery charger	Panasonic/ Sony/Ikagami
1.b	64 GB Memory card	Panasonic/ Sony/Ikagami
1.c	Card reader compatible to the recording media	
2	<p><b>Tripod with dolly suitable for above camcorder with tripod plate</b>  Two stage aluminum or carbon fiber tripod:  Load capacity: 20Kg. Approx. Bowl: 100mm  Minimum Height: 65cm or less Maximum Height: 150cm or more Studio Skid/ Dolly:  Payload:20kg or more Weight: 7 Kg  Cable guard: Yes Break: Yes  Tripod, pan and tilt head, dolly with zoom control and all accessories offered should be capable to take load of camera and teleprompter which is put together 20 kg (approx.) to operate in the studio setup.</p>	Manfrotto/shottoku/Libec/equivalent
3	<p><b>Tripod with dolly suitable for above camcorder with tripod plate</b>  Two stage aluminum or carbon fiber tripod:  Load capacity: 5Kg. or more  Bowl: 75 mm or better  Payload: 20kg or more  Cable guard: Yes Break: Yes  With Tripod cover.</p>	Manfrotto/shottoku/Libec/equivalent
4	<p><b>Digital Video Production Switcher</b>  Detailed functionalities:  <b>Video Inputs:</b> Multi- definition inputs: 9 Nos (6 x SDI, 3 x HDMI) simultaneous live video sources, in any combination of HD- SDI, HD Component, SD-SDI, SD Component, Y/C (BNC) or Composite connections. Per-input format configuration scalar and frame synchronizer enabling intermixing of formats.  <b>Video output:</b> Multi- definition outputs: 6 Nos (5 x SDI, 1 x HDMI) HD-SDI, HD Component, SD-SDI, SD Component, Y/C (BNC) or Composite - HDMI, DVI and VGA output for displays or projector - Network output for live streaming. Built-in Multiview (Up to 10 windows) with tally &amp; source name and frame synchronizer. USB removable storage media.</p>	Ross/Panasonic/ Sony
5	49" Full HD LED Display with suitable stand compatible for above production switcher	Panasonic/Samsung/LG
6	32" Display Monitors	Panasonic/Samsung/LG
7	Mounting arms over the PCR table for holding 32" monitors: Feature's height adjustment, tilt, pan, Enhanced Ergonomic Adjustment	Any Reputed brand
8	HD/SD Digital Video Recorder & Player with 2x 500 GB HDD HD/SD SDI input, output and loop through with embedded audio. HD/SD SDI and HDMI output Minimum 2 X 1 TB HDD with enclosure USB & SATA interface Compatible Audio/Video interface with Camera as well as audio and vision mixer. XLR Balance Audio input and output Table top Mounting Recording format (SD, HD) Additional two number 1 TB HDD	Datavideo/Equivalent
9	<p><b>Intercom System</b>  Intercom System should provide 8-Way talkback and tally indicators. The director can select to talk to an individual channel or to all channels simultaneously.  No of Port: 8 (Eight)  Selectable channel talk, Broadcast all or Mute buttons.  Audio output: Inbuilt Speaker  Headphone and earphone output Jack  Gooseneck Microphone and LED Light.  19" Rack mountable  Belt packs: 4 sets  Call / Talk Button and volume control on Belt Pack</p>	Bosch, Datavideo or equally reputed

	<p>Half Duplex design for Belt Packs  Power ON/OFF button, Power indicator  Volume Control  Carry Case :4 Nos.  Each with following Accessories  Headset with Microphone: 4 Nos, Bi-color Tally  Light indicator.  20 Meter intercom cable, 1.8 m tally cable</p>	
10	<p><b>Wired Lapel Microphone</b>  Back-Electret Condenser Microphone, clip and grille/windscreen. Power supply: 12 - 48 V phantom powered  Pick-up pattern: Omni-directional Frequency response 40 - 20,000 Hz <math>\pm</math> 3 dB  Nominal impedance 1000 <math>\Omega</math>  Connector 3-pin XLR with integral phantom power adaptor Cable length: 3 m  Sensitivity: (free field, no load) (1 kHz) 10 mV/Pa <math>\pm</math> 2.5 dB. Phantom power adopter is also included in the item</p>	AKG/Senneheiser/ Behringer/Audio technical/shure
11	<p><b>Wireless Lapel Microphone</b>  Back-Electret Condenser Microphone, clip and grille/windscreen. Power supply: 12 - 48 V phantom powered  Pick-up pattern: 2 nos. Omni-directional Frequency response 40 - 20,000 Hz <math>\pm</math> 3 dB  Nominal impedance 1000 <math>\Omega</math>  Connector 3-pin XLR with integral phantom power adaptor Cable length: 3 m  Sensitivity: (free field, no load) (1 kHz) 10 mV/Pa <math>\pm</math> 2.5 dB</p>	AKG/Audio technical/Shure/S enneheiser
12	<p><b>Wireless hand-held microphone system</b>  Back-Electret Condenser Microphone, clip and grille/windscreen. Power supply: 12 - 48 V phantom powered  Pick-up pattern: 2 nos. Omni-directional Frequency response 40 - 20,000 Hz <math>\pm</math> 3 dB  Nominal impedance 1000 <math>\Omega</math>  Connector 3-pin XLR with integral phantom power adaptor Cable length: 3 m</p>	AKG/Senneheiser/ Behringer/Audio technical/shure
13	<p><b>In Ear Piece</b>  Element: Subminiature Magnetic Receiver.  Frequency Range:200Hz - 8kHz.  Sensitivity:104+/-3dB.  Impedance:500 Ohm.  Distortion5% max.  Colors: beige.  Cable: Length 1.5m (59") <math>\varnothing</math> 1.5mm.  Connector3.5mm Stereo Connector</p>	Telex/Equivalent
14	<p><b>Speaker on studio floor + PCR</b>  Type Active  Low/mid driver6" or more dimensions:  Tweeter dimensions (mm)25 mm to 50 mm RMS: (Both LF + HF) <math>\geq</math> 80 watt  Frequency response <math>\leq</math>85 Hz - <math>\geq</math> 15000 Hz  Max. SPL <math>\geq</math> 100 dB  Protection circuits: Overload  Controls: Treble, volume, mic gain, bass, mains switch (on/off)  Line inputs: Minimum 1  Line inputs connectors: XLR &amp; 6.3 mm Jack  Mic inputs: 6.3 mm Jack &amp; XLR, minimum 1  Line outputs: Minimum 1  Line outputs connectors: 6.3 mm Jack &amp; XLR  Operating voltage: 230 V A C <math>\pm</math> 10%, 50 Hz  Cabinet material: ABS/ Polypropylene / MDF</p>	JBL/Behringer/Bo se/EV



15	<p><b>16 Channel Audio Mixer</b>  16 channel, true 7-bus architecture, 2 stereo inputs, 2 stereo returns, talkback facility, +48 phantom power, 12- segment LED metering, 100mm fader, 6 aux sends, 4 of which are pre/post switchable, group and mix inserts, channel direct outputs</p>	Soundcraft/Yamaha/Behringer
16	<p>Digital SD / HD-SDI Video Distribution Amplifier  • Re-lockable SDI inputs  • SD/HD through SDI  Minimum 1 IN and 4 OUT</p>	COMCON/DATAVIDEO
17	<p>Audio Distribution Amplifier  Balance Audio (XLR) for both IN and OUT  • Minimum 1 IN 4 OUT.</p>	Kramer/COMCON/Behringer
18	<p>Apple mac Pro Editing System: MAC Pro, S/W and H/W  FCP X/ Final Cut Pro</p> <p>Mac Pro Server 3.5GHz Intel Xeon W 8 cores, 16 threads/32GB Four 8GB DIMMs-2666MHz/256GB SSD/AMD Radeon Pro 580X.</p> <p>Pro Display XDR - Standard glass Retina 6K Display 32-inch (diagonal) IPS LCD display with oxide TFT technology</p>	<b>Apple – MAC PRO</b>
19	<p>65” Interactive smart board with Open Pluggable Specification (OPS) PC of core-i3 configuration with suitable mounting brackets High picture quality (UHD), and wide view angle (IPS) Fluent and natural touch writing experience Support up to 20 points multi-touch and 10 points writing with fast response Intuitive UX/UI with built-in annotation SW Embedded SW based on High Performance SoC with Android OS Provide power built-in OPS kit Airclass: Interactive class software with maximum 30 students Various annotation tools such as timer, counter, spotlight and etc.  Screen sharing with various devices supporting Android, Windows, Mac and IOS Enhanced Dust proof &amp; Moisture proof Conformal Coating.  Video/Audio inputs &amp; Outputs: HDMI (3), RGB (1), Composite (1) / Audio &amp; HDMI (1) / Audio, SPDIF Built-in Speaker (12W+12W)  OS support Windows 10, 8, 7, XP / Vista / Linux / Mac / Android  Platform: Android 8.0</p>	Panasonic/Samsung/LG
20	Suitable stand for the above interactive Display	LOGIC/equivalent
21	HD-SDI to HDMI Converter	Black Magic Design/DataVideo
22	<p><b>Headphone</b>  Type Closed-Back,  Dynamic Frequency Range 20Hz - 20kHz  Impedance 55 Ohms  Sensitivity 91dB  Maximum Input Power 200mW  Connectors Gold-Plated 3.5mm Stereo Mini Plug with 1/4" Adapter</p>	Sennheiser/AKG/Beyerdynamic/Shure
23	<p><b>Teleprompter</b>  Display Device Specification  Display Device Size: 19” LCD/LED Monitor  TP hood with complete tripod mounting assembly Reading Range: Up to 10 meters  Video Input: VGA/ PAL  System Requirement  Operating System: Windows XP (32 bit or 64 bit) Windows 7(32 bit or 64 bit)  Min 2.6Ghz CPU: 2 GB RAM; 1 Free PCI Express Slot (For Desktop),  Antivirus licensed for one year.  Software: Breaking News, Type N Play, Import RTF/Doc/Html/Txt, Import Run Downs, Reader Management, Anchor Messages, Multi Camera Support, Background Color Selection, Date &amp; Time Display, Bookmarks, Timer, Auto</p>	Professional.19” Teleprompter with Professional version Software + USB desk Control unit + tripod mountable Accessories + HP 280 G3 Computer

	Detect and import files, Run Time Script Editing, Run-Time Run order Updating, Block Story, Clip Reference, Multilingual Support, CDAC software for multi-language support. import .rtf and .doc files into the run orders. USB Hand Control unit Required cable and media driver should be available to complete the system	+ C-DAC Software for multi-language
24	Wired Desktop Controller for Teleprompter hand control with USB Extender and 20-meter Cable.	
25	24 port Gigabit Ethernet Switch	Netgear/Juniper/ Cisco
26	Wi-fi enabled router	D-Link,TP- Link,Netgear
27	12 U Rack	President,Bestnet ,equivalent
28	<p>Desktop Document Camera <i>Key Features</i></p> <ul style="list-style-type: none"> <li>• Full HD 1080p with high speed 30fps</li> <li>• VGA, HDMI input and output and supports HDMI pass through</li> <li>• 20 times variable zoom ratio</li> <li>• Built-in microphone</li> <li>• One-Touch synchronous audio video recording</li> <li>• Compatible with USB flash drives, expandable to 4TB</li> <li>• Dual gooseneck side lamps for anti-reflection</li> <li>• Full sized built-in LED backlight design for X-rays, film, and slides</li> <li>• Folds down to a height of six inches (15 cm)</li> <li>• Rigid lens provides protection from abnormal operation</li> </ul> <p><b><u>Technical specifications:</u></b></p> <p>Zoom: 20X, Output Resolution: XGA, SXGA, WXGA, 1080p Input Interface: VGA, HDMI, Output Interface: VGA x 2, HDMI, C-Video Audio/Video Recording: One-touch records image and sound synchronously, USB flash drive: For USB flash drives (up to 4TB) or wired/wireless mouse for annotation, Built-in Microphone: Yes Image Rotation:0°, 180°, flip, mirror Shooting area: A4 portrait. Support PC Windows 10, 8, Mac OS X, Chrome OS, iOS and Android App; WIA and TWAIN interface Dimension: Folded: 22.3"x15.2"x6" (566x385x152 mm) Open: 18.3"x15.2"x23.1" (466x385x588 mm)</p>	Lumens/ELMO
29	<p>Creative pen and 24" 4K touch creative pen interactive display:</p> <p>Display Size :677 x 394 x 47 mm (26.65 x 15.5 x 1.9 in), Interactive 24" Multi Touch technology H-IPS IPS UHD high brightness panel&amp; grip Pen, electromagnetic resonance technology: Resolution &gt;5000 lpi; Having at least 8192 levels pen pressure both pen tip and erase, tilt and multi-touch, widescreen 16:9 display; resolution of 1920 x 1080; display connection port: Ports included4 x USB3 ports*,1 x USB C port,1 x HDMI2.0 port,1 x DP port,2 USB-A Ports, OS support: Windows 10&amp; above Brightness235 cd/m2 (min, duty 100%), Response14 ms. <b>Note: Written materials on display is to be seen on computer screen</b></p> <p><b>Accessories:</b> Adjustable display stand with display rotation feature Grip Pen Pen stand with 10 replacement nibs &amp; nib removal tool Cables: DVI-D to DVI-D, USB</p>	WACOM

	AC power adaptor CD-ROM with driver software	
30	<b><u>Initial Level at the temporarily identified location.</u></b> : Testing, Installation & Commissioning charges & training with all the installation materials	Custom

**B. Detailed technical specification for the Community Radio & Internet Radio studio equipment's**

SI. No.	Description/Model	Makes
1	<p><b>12 Channel Digital audio Mixer</b></p> <p>General: Audio Frequency Response 20 Hz to 20 kHz (<math>\pm 1</math> dB) Dynamic Range Analog-to-Analog: 110 dB 20 Hz to 20 kHz, A-weighted, Dimensions 44 mm x 483 mm x 289 mm (1.7 in. x 19.0 in. x 11.4 in.), H x W x D, Weight 5.5 kg (12.0 lbs) Power Requirements 100 to 240 V AC, 50-60 Hz, 1 A Operating Temperature Range <math>-18^{\circ}\text{C}</math> (<math>0^{\circ}\text{F}</math>) to <math>63^{\circ}\text{C}</math> (<math>145^{\circ}\text{F}</math>)</p> <p>Configuration Channel input, Mix output: Active balanced Aux input: stereo, unbalanced Direct output: Impedance balanced Clipping level Channel Inputs: Line (+0): +20 dBV, Mic (+26): -6 dBV, Mic (+46): -26 dBV Aux Input: +10 dBV ,Phantom Power 48 V DC, selectable per channel, 14 mA max. Max Output Level Line (+0): +20 dBV, Line (-20): 0 dBV, Mic (-46): -26 dBV, AD/DA Converter 24-bit, 48 kHz, 113 dB dynamic range typical, Latency Analog to Analog: 0.51 ms Analog to Dante: 0.29 ms, Gain Adjustment Range Channel Input, Mix Output: <math>-110</math> dB to <math>+18</math> dB, Input Processing Low cut, high shelf ,Output Processing 8-band PEQ, limiter, Networking Interface SCM820: Single Port, 10/100 Mbps Ethernet SCM820-DAN: Dual Port, Gigabit Ethernet, Dante Digital Audio</p>	PreSonus/Yamaha/ Soundcraft/Behringer
2	<p><b>Work Stations with Antivirus:</b></p> <p>Intel® Core™ i7- 6700T (2.8 GHz, up to 3.6GHz, 8MB cache, 4 cores), 8GB DDR4 1333 SDRAM (1x8GB), window 10 OS, 2 TB 7200 rpm SATA, 24 inch monitor, Keyboard, mouse Antivirus with one year license.</p> <p>Desktop speakers: 2 pairs (Any Reputed brand)</p>	HP/Dell
3	<p><b>Single Channel Sound Card</b></p> <p>Sample rates (kHz): 44.1/ 48/88.2/ 96/176.4/192 Maximum input: +14.0dBu (+4 dBu setting), +6 dBV (Consumer Setting), 0dBV (-10 DBV setting) Dynamic range: 99dB@(A-weighted) THD + N: Less than 0.0024%, (at 0dBFS) Frequency response: 20Hz to 20kHz <math>\pm 0.3</math>dB Impedance: 10k Ohms minimum Maximum output: +14.0dBu (+4 dBu setting), +6 dBV (Consumer Setting), 0dBV Dynamic range: 103dB (A-weighted) THD + N: Less than 0.0015%, (at 0 dBFS) Frequency response: 20Hz to 20kHz, <math>\pm 0.3</math>dB Impedance (unbalanced): 150 Ohms</p>	Digigram / M-AUDIO

4	<p><b>Speakers with Mount Stand</b>  Near field distance-1 to 1.5 Meter distance,  Bi-amplified and matched active crossover network, Connectors:  Balanced XLR connectors,  Volume control facility, Frequency level control,  Protection for open circuit, short circuit current and thermal overload,  Power supply: 230 v± 5% ac 50±2 Hz, single phase power supply  Frequency Response: within ± 3 db between 50 Hz &amp; 18 KHz with respect to 1kHz. Amplified power: 50W  Input impedance: 10 k ohms (balanced) nominal input level: 0 dbu input level range: -10 Dbu to +10 Dbu Maximum spl continuous: &gt; 104 db</p>	JBL/EV/Genlec/Behringer /M-Audio
5	<p><b>Professional Headphones</b>  Frequency range: 20 – 22000Hz  Electrical impedance: less than 75 ohms/channel Sensitivity at 1khz: 100 dbspl at 1mw input  Max power handling Capacity: 100 mw total harmonic distortion: 0.5% at max. Permissible input level.  Headphone diaphragm material: hard polyvinyl chloride or similar ear- pads material: leatherette and velvet  Average pressure on ears: max 4/6 n  Cord length (may be detachable): at least 5 meters  Phone plug: gold plated stereo mini jack (3.5 mm) with gold plated screw- on adaptor (3.5 mm to 6.35 mm)  Head-strap: Adjustable. Max power handling capacity: 100 mw total harmonic distortion: 0.5% at max. permissible input level</p>	AKG/Beyerdynamic, Audiotechnical/ Sennheiser
6	<p><b>Recording/Editing Software</b></p>	Adobe Audition/Audacity/Steinberg Cubase
7	<p><b>On AIR Light:</b></p>	Seton/COMCON/Equivalent
8	<p>Automation/scheduling &amp; play out software</p>	Transman/station playlist studio pro/ATC/
9	<p><b>Condenser Microphone with Flexible Arm Stand, one Spider Shock Mount with Stand clip and puff filter:</b>  Transducer type: Pre-polarized backplate condenser Frequency response: 20 - 20 kHz Polar pattern: Cardioid Power requirements: 9 - 52 Vdc Impedance: 200 ohms Recommended load impedance: &gt;2000 ohms Output connector: Gold plated XLR-M Sensitivity: 6 mV/Pa; -45 dB (re 1 V/Pa) Sound pressure level for 1% (3% ) THD: 139 dB SPL (142 dB SPL) Equivalent noise level: 17.5 dB-A to DIN 45412 Dynamic range: 121.5 dB Environmental operation: Temperature: -10°C to +65°C Maximum relative humidity at +20°C: 90% Size: Maximum diameter: 2.0 in. (50 mm) 7.1 in. length (180 mm) Net weight: 10.4 oz. (295 g) Shipping weight: 1.4 lb. (650 g) Accessories included: Carrying bag PB 1000 presence boost adapter SA 61stand adapter Optional accessories: TM40 UHF transmitter module, AKG WMS 40 Series wireless receivers B15 phantom adaptor</p>	RHODES/AKG/Beyerdynamic/Shure/Sennheiser/Audio Technica

10	<p><b>Portable Audio System for Video Production:</b>  Four-track PCM Recorder for DSLR Video Production  Supports SD/SDHC/SDXC cards  Maximum number of tracks recorded simultaneously: (4)  Recording modes: MONO, STEREO, 2MIX, DUAL MONO, DUAL ST, DUAL 2MIX  Recording formats: 16/24-bit, 44.1k/48k/96k Hz (WAV/BWF)</p> <p>Tripod mounting threads (bottom), camera screw attachment and a shoe mount  Number of channels :4-channel (stereo × 2, mono × 4)  128x64-pixel graphic LCD with backlight  High-speed transfer of files to a computer using USB 2.0  Audio in Connector XLR-3-31 / 6.3mm (1/4") TRS standard jack  Recording format  WAV 44.1k / 48k / 96k Hz, 16bit / 24bit  BWF 44.1k / 48k / 96k Hz, 16bit / 24bit  CAMERA IN and Out Connector:3.5mm (1/8") stereo mini jack</p>	Sony/TASCAM/ZOOM
11	<p><b>Cardioid Dynamic Microphone:</b>  Pattern: Cardioid/super Cardioid pattern  Response: on/ off axis and proximity response  Frequency range: 50 hz to 15 khz  Frequency response: the microphone shall have ± 3 db frequency response over a range of 150 hz to 1.2  Maximum peak with reference to 1khz: maximum +10 db  Polar pattern: Cardioid/super cardioids.  Front to back ratio: at least 10 db from 250 Hz to 4 kHz.  Sensitivity: less than or equal to 600 ohms for connecting to audio input  Output impedance: less than or equal to 600 ohms for connecting to audio input of load impedance greater or equal to 2000 ohm</p>	AKG/Shure/Barelydynamic
12	<p><b>Microphone Table Top Stand</b></p>	Standard brand
13.	<p><b>Portable Field Recorder:</b>  Recording media: 2 Gb (or higher) semi-conductor memory  Recording format: PCM linear digital form at (.wavfile format)  Power: (a) Internal battery AA or AAA for at least 90 minutes continue recording, (b)internal chargeable battery along with charger  Input: (a) with a built-in /externally attached stereo microphone, (b) provision for connecting external microphone(c) provision for line input  Output: Connectivity through usb 2.0 to audio workstation for data transfer  Monitoring: Provision for headphone monitoring  Measurements: frequency response at nominal input and output levels w.r.t. 1 kHz and from 50 hz to 15 khz: within ± 3db b). thd + noise at -60 dbu input level and 0 dbu output level (50 hz.to 15 khz.)</p>	Sony/Zoom/Tascam
14	<p><b>Single Line Telephone Hybrid:</b>  Dimension: 19" Rack mountable base unit  Telephone Lines: 2 or more  PSTN or GSM interface  PSTN Line Interface: Standard  Analogue: Balanced on XLR connectors. Level: 0 dBu (Nominal) &amp; 10 dBu maximum  Impedance: ≥ 5 k Ohm  Analogue: Balanced on XLR connectors  Level: 0 dBu (Nominal) &amp; 10 dBu maximum  Impedance: ≤ 200 ohms  Digital Signal Processing: With in-build DSP (20 bit or better)  Frequency response: 250 Hz – 3500 Hz,</p>	JK audio/COMCON/Telos
15	<p><b>Audio Processor/SITC of 10 band internet streamer signal generator/ N-encoder analog input/output, internet steaming setup, Sound Max Manager, software for remote operation, Android application, Universal Web player, Radio Garden Connectivity</b>  Audio Processor with inbuilt Encoder/streamer ready for hosting on CDN platform: 10 bands audio processing technology with built in audio</p>	ATC/Equivalent

	streaming for MP3 and AAC, Analog and Digital Input/output on XLR connector, Separate profile tuning facility for on air Processing and Internet streaming. Multiple bit rate selection from 32 to 128 kbps, RJ-45 connector Internet streaming should support to various platform of Desktop, Laptop, Tablet, iPad, Android phones or any such similar communication devices through internet. Multiplatform Universal web player code & 1year flat CDN service	
16	Flat CDN Bandwidth for limited Listener of about 5000 users per Year (Bandwidth for Internet Radio)	<b>Amazon/Akamai/Wowza</b>
17	Digital tuning FM receiver	<b>Philips/Sony/Samsung</b>
18	Digital display Clock	<b>Titan/ORPAT/equivalent</b>
19	<b><i>Initial Level at the temporarily identified location.</i></b> : Testing, Installation & Commissioning charges & training with all the installation materials.	<b>Custom</b>

### 1.3 Details of the envisaged services.

**SUPPLYING, INSTALLATION, TESTING, COMMISSIONING & TRAINING FORSITC OF TV STUDIO EQUIPMENTS, STUDIO LIGHTS, COMMUNITY RADIO STATION (CRS)& INTERNET RADIO EQUIPMENTS AT CENTRAL UNIVERSITY OF JHARKHAND, RANCHI, PROJECT DOCUMENTATION WITH WARRANTY AND SUPPORT FOR ONE YEAR.**

### **Part III – Standard Conditions of RFP**

The agency is required to give confirmation of their acceptance of the Standard Conditions of the RFP mentioned below which will automatically be considered as part of the contract concluded with the successful bidder (i.e., agency/contractor in the contract) as selected by BECIL. Failure to do so may result in rejection of the expression submitted by the bidder.

1. **Law:** The contract shall be considered and made in accordance with the laws of the Republic of India. The contract shall be governed by and interpreted in accordance with the laws of the Republic of India.
2. **Effective Date of Contract:** The contract shall come into effect on the date of signatures of both the parties on the contract (Effective Date) and shall remain valid until the completion of the obligations of the parties under the contract. The deliveries and supplies and performance of the services shall commence from the effective date of the contract.
3. **Arbitration:** All disputes or differences arising out of or in connection with the contract shall be settled by bilateral discussions. Any dispute, disagreement or question arising out of or relating to the contract or relating to services or performance, which cannot be settled amicably, may be resolved through arbitration. The standard clause of arbitration is given in Annexure-II.
4. **Penalty for use of Undue influence:** The contractor/supplier undertakes that he has not given, offered or promised to give, directly or indirectly, any gift, consideration, reward, commission, fees, brokerage or inducement to any person in service of the customer or otherwise in procuring the Contracts or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of the present contract or any other contract with the Government of India for showing or forbearing to show favor or disfavor to any person in relation to the present contract or any other contract with the Government of India. Any breach of the aforesaid undertaking by the Contractor/Supplier or any one employed by him or acting on his behalf (whether with or without the knowledge of the contractor) or the commission of any offence by the contractor or anyone employed by him or acting on his behalf, as defined in chapter IX of the Indian Penal Code, 1860 or the Prevention of Corruption Act, 1986 or any other Act enacted for the prevention of corruption shall entitle the customer to cancel the contract and all or any other contracts with the contractor and recover from the contractor the amount of any loss arising from such cancellation. A decision of the customer or his nominee to the effect that a breach of the undertaking had been committed shall be final and binding on the Contractor. Giving or offering of any gift, bribe or inducement or any attempt at any such act on behalf of the contractor towards any officer/employee of the customer or to any other person in a position to influence any officer/employee of the customer for showing any favor in relation to this or any other contract shall render the contractor to such liability/penalty as the customer may deem proper, including but not limited to termination of the contract, imposition of penal damages, forfeiture of the Bank Guarantee and refund the amounts paid by the customer.
5. **Agents/Agency Commission:** The contractor/supplier confirms and declares to BECIL that the contractor is the original provider of the services referred to in this contract and has not engaged any individual or firm, whether Indian or foreign whatsoever, to intercede, facilitate or in any way to recommend to the Government of India or any of its functionaries whether officially or unofficially, to the award of the contract to the contractor, nor has any amount been paid, promised or intended to be paid to any such individual or firm in respect of any such intercession, facilitation or recommendation. The contractor agrees that if it is established at any time to the satisfaction of BECIL that the present declaration is in any way incorrect or if at a later stage it is discovered by BECIL that the contractor has engaged any such individual/firm, and paid or intended to pay any amount, gift, reward, fees, commission or consideration to such person, party, firm or institution, whether before or after the signing of this contract the contractor will be liable to refund that amount to BECIL. The contractor will also be debarred from entering into any supply contract with the Government of India for a minimum period of five years. BECIL will also have a right to consider cancellation of the contract either wholly or in part, without any entitlement or compensation to the Contractor who shall in such an event be liable to refund all payments made by the customer in terms of the contract along with interest

at the rate of 2% per annum above 18% penal rate. BECIL will also have the right to recover any such amount from any contracts concluded earlier by contractor/supplier with the Government of India or with BECIL.

- 6. Access to Books of Accounts:** In case it is found to the satisfaction of BECIL that the contractor has engaged an Agent or paid commission or influenced any person to obtain the contract as described in clauses relating to Agents/Agency Commission and penalty for use of undue influence, the contractor, on a specific request of BECIL shall provide necessary information/inspection of the relevant financial documents/information.
- 7. Non-disclosure of contract documents:** Except with the written consent of the customer, contractor shall not disclose the contract or any provision of the contract or information related to services thereof to any third party.
- 8. Penalty and Liquidated Damages:** In the event of the contractor failure to submit the Bonds, Guarantees and Documents, services as specified in this contract, BECIL may, at his discretion, withhold any payment until the completion of the contract. BECIL may also deduct from the contractor as agreed, liquidated damages to the sum of 1% of the contract price of the delayed services mentioned above for each day subject to the maximum value of the Liquidated Damages being not higher than 10% of the value of delayed services.
- 9. Termination of Contract:** BECIL shall have the right to terminate this contract in part or in full in any of the following cases: -
  - (a) The delivery of the services is delayed for causes not attributed to Force Majeure for more than 15 days after the scheduled date of signing of contract.
  - (b) The contractor is declared bankrupt or becomes insolvent.
  - (c) The delivery of services is delayed due to causes of Force Majeure by more than 01 months provided Force Majeure clauses are included in contract.
  - (d) The customer has noticed that contractor has utilized the services of any agent in getting this contract and paid any commission to such individual/company etc.
  - (e) As per decision of the Arbitration Tribunal.
  - (f) As per Para (8) of Part IV of RFP document.
- 10. Notices:** Any notice required or permitted by the contract shall be written in the English language and may be delivered personally or may be sent by FAX or registered pre-paid mail/airmail, addressed to the last known address of the party to whom it is sent.
- 11. Transfer and Sub-letting:** The contractor has no right to give, bargain, sell, assign or sublet or otherwise dispose of the contract or any part thereof, as well as to give or to let a third party take benefit or advance of the present contract or any part thereof.
- 12. Patents and other Industrial Property Rights:** The prices stated in the present contract shall be deemed to include all amounts payable for the use of patents, copyrights, registered charges, trademarks and payments for any other industrial property rights. The contractor shall indemnify the customer against all claims from a third party at any time on account of the infringement of any or all the rights mentioned in the previous paragraphs whether such claims arise in respect of manufacture or use. The contractor shall be responsible for the completion of the services in satisfactory manner during the currency of the contract.
- 13. Amendments:** No provision of present contract shall be changed or modified in any way (including this provision) either in whole or in part except by an instrument in writing made after the date of this contract and signed on behalf of both the parties and which expressly states to amend the present Contract.
- 14. Statutory Duties & Taxes:**
  - (a) Any change in any duty/tax upward/downward as a result of any statutory variation taking place within contract terms shall be allowed to the extent of actual quantum of such



duty/tax paid by the contractor. Similarly, in case of downward revision in any duty/tax, the actual quantum of reduction of such duty/tax shall be reimbursed to BECIL by the contractor.

- (b) If it is desired by the agency to ask for the GST to be paid as extra, the same must be specifically stated. In the absence of any such stipulation in the bid, it will be presumed that the prices quoted by the agency are inclusive of GST and no liability will be developed upon the BECIL.

**15. Pre-Integrity Pact Clause:** An “Integrity Pact” would be signed between BECIL & successful contractor. This is a binding agreement between BECIL and contractor for specific contracts in which BECIL promises that it will not accept bribes during the procurement and services process and bidder promise that they will not offer bribes. Under this Pact, the Bidders for specific services or contracts agree with the BECIL to carry out the procurement and services in a specified manner. Elements of the Pact are as follows:

- a) A pact (contract) between the BECIL (Principal) and successful contractor for this specific activity (the successful Bidder);
- b) An undertaking by the Principal (i.e. BECIL) that its officials will not demand or accept any bribes, gifts etc., with appropriate disciplinary or criminal sanctions in case of violation;
- c) A statement by successful Bidder that it has not paid, and will not pay, any bribes;
- d) An undertaking by successful Bidder to disclose all payments made in connection with the contract in question to anybody (including agents and other middlemen as well as family members, etc. of officials); the disclosure would be made either at the time of signing of contract or upon demand of the Principal, especially when a suspicion of a violation by that successful bidder/contractor emerges;
- e) The explicit acceptance by successful Bidder that the no-bribery commitment and the disclosure obligation as well as the attendant sanctions remain in force for the winning Bidder until the contract has been fully executed.
- f) Undertaking on behalf of a successful Bidding company/contractor will be made “in the name for and on behalf of the company’s Chief Executive Officer”.
- g) The following set of sanctions shall be enforced for any violation by a Bidder of its commitments or undertaking:
  - (i) Denial or loss of contracts;
  - (ii) Forfeiture of the bid security and performance bond;
  - (iii) Liability for damages to the principal and the competing bidders; and
  - (iv) Debarment of the violator by the principal for an appropriate period of time.
- h) Bidders are also advised to have a company code of conduct (clearly rejecting the use of bribes and other unethical behaviors and compliance program for the implementation of the code of conduct throughout the company.

## **Part IV – Special Conditions of RFP**

The agency is required to give confirmation of their acceptance of special conditions of the RFP mentioned below which will automatically be considered as part of the contract concluded with the successful bidder (i.e. agency/contractor in the contract) as selected by BECIL. Failure to do may result in rejection of RFP submitted by the Bidder.

- (i) **Performance Guarantee:** The agency will be required to furnish a Performance Guarantee by way of Bank Guarantee through a public sector bank or a private section bank authorized to conduct government business (i.e., ICICI Bank Ltd., Axis Bank Ltd or HDFC Bank Ltd.) for a sum equal to 3% of the contract value within 20 days of receipt of the confirmed order. Performance Bank Guarantee should be valid up to 20 days beyond the date of completion of Contract period/defect liability period. The specimen of PBG is given in Annexure III.
- (ii) **Option clause:** The contract will have an Option Clause, wherein BECIL can exercise an option to go for an additional 50% of the original services in accordance with the same rate, terms & conditions of the present contract. This will be applicable within the currency of contract. The agency is to confirm the acceptance of the same for inclusion in the contract. It will be entirely the discretion of the BECIL to exercise this option or not.
- (iii) **Repeat Order Clause:** The contract will have a Repeat Order Clause, wherein BECIL can order similar services under the present contract within currency of the contract at the same rate, terms & conditions of the contract. The agency is to confirm acceptance of this clause. It will be entirely the discretion of BECIL to place the Repeat Order or not.
- (iv) **Payment Terms:** It will be mandatory for the agency to indicate their bank account numbers and other relevant e-payment details so that e-payments could be made through instead of payment through cheque. The payment will be made as per the following terms, on production of the requisite documents:
  - a) Payment would be made to the firm on the basis of events / services provided the agency depending upon their satisfactory performance of work.
  - b) No advance payment would be made at any cost.
  - c) 60% of Payment of Part A, B, D shall be made on submission of invoice against delivery of full BOQ materials at site duly certified by BECIL.
  - d) The balance 40 % payment of Part A, B, D shall be paid on successful commissioning /installation with training at **temporary location** of the project and on submission of invoice and necessary documents. **(Excluded the final installation & commissioning services).**
  - e) **The payment for the Part- C, final installation & commissioning services will be made after the successful installation & commissioning of the supplied equipment's by shifting the equipment's to the actual studio.**
- (v) **Paying Authority:** The payment would be made by BECIL on submission of following documents: -
  - a) Ink signed copy of the bills against services provided
  - b) Performance report submitted by supervising officer of BECIL.
  - c) Claim for statutory and other levies to be supported with requisite documents/proof of payment such as GST, proof of payment for EPF/ESIC contribution with name of beneficiaries, etc. as applicable.
  - d) Details for electronic payment viz account holder's name, bank name, branch name and address, account type, account number, IFSC code, MICR code (if these details are not incorporated in supply order/contract).
  - e) Any other document/certificate that may be provided for in the Job Order/Contract.
  - f) User Acceptance & Satisfactory Services Report.
  - g) Xerox copy of PBG.

(vi) **Fall Clause:** The following fall clause will form part of the contract placed on successful agency:

- a) The price charged for the services performed under the contract by the contractor shall in no even exceed the lowest price at which the contractor provides the services of identical description to any persons/organization including the customer or any department of the Central Government or any department of state government or any statutory undertaking of the central or state government as the case may be during the period till performance of all services placed during the currency of the contract is completed.
- b) If at any time, during the said period the contractor reduces the service price or offer to provide services to any person/organization including the customer or any department of central Government or any Department of the State Government or any Statutory undertaking of the Central or State Government as the case may be at a price lower than the price chargeable under the contract. Such reduction of services offer of the price shall stand correspondingly reduced.
- c) The contractor shall furnish the following certificate to BECIL along with each bill for payment for services made against the contract—"We certify that there has been no reduction in service price of the similar services to the Government under the contract herein and such services have not been offered/sold by me/us to any person/organization including BECIL or any department of Central Government or any department of a state Government or and Statutory Undertaking of the Central or state Government as the case may be up to the date of bill/the date of completion of services against all job orders/contract placed during the currency of the Contract at price lower than the price charged to the government under the contract.

(vii) **Risk & Expense clause:**

- a) Should the services thereof not be delivered within the time or times specified in the contract documents, or if defective services are made in respect of the services thereof, BECIL shall after granting the contractor seven days to cure the breach, be at liberty, without prejudice to the right to recover liquidated damages as a remedy for breach of contract, to declare the contract as cancelled either wholly or to the extent of such default.
- b) Should the services thereof not perform in accordance with the specifications/parameters provided by the customer during the check proof tests to be done by the customer, the customer shall be at liberty, without prejudice to any other remedies for breach of contract, to cancel the contract wholly or to the extent of such default.
- c) In case of a contractual breach that was not remedied within 07 days, BECIL shall, having given the right of first refusal to the contractor be at liberty to provide services from any other source as he thinks fit, of the same or similar description to services
- d) Any excess of the services price cost of services or value of any services procured from any other contract as the case may be, over the contract price appropriate to such default or balance shall be recoverable from the Contractor by Customer.

(viii) **Force Majeure Clause:**

- a) Neither party shall bear responsibility for the complete or partial nonperformance of any of its obligations (except for failure to pay any sum which has become due on account of receipt of goods under the provisions of the present contract), if the non-performance results from such Force Majeure circumstances as Flood, Fire, Earth Quake and other acts of God as well as War, Military operation, blockade, Acts or Actions of State Authorities or any other circumstances beyond the parties control that have arisen after the conclusion of the present contract.
- b) In such circumstances the time stipulated for the performance of an obligation under the present contract is extended correspondingly for the period of time of action of these circumstances and their consequences.
- c) The party for which it becomes impossible to meet obligations under this contract due to Force Majeure conditions, is to notify in written form the other party of the beginning and

cessation of the above circumstances immediately, but in any case, not later than 10 (Ten) days from the moment of their beginning.

- d) Certificate of a Chamber of Commerce (Commerce and Industry) or other competent authority or organization of the respective country shall be a sufficient proof of commencement and cessation of the above circumstances.

If the impossibility of complete or partial performance of an obligation lasts for more than one month's either party hereto reserves the right to terminate the contract totally or partially upon giving prior written notice of 15 days to the other party of the intention to terminate without any liability other than reimbursement on the terms provided in the agreement for the goods received.

(ix) **Misc. terms & conditions of the contract:**

The contractor shall provide the services as and when required and demanded by BECIL. The personnel engaged for the services shall be the employees of the contractor and will take their remuneration/wages from the contractor. They will have no claim of whatsoever nature including monetary claim or any other claim or benefits from the BECIL. The contractor shall make its own arrangement for commuting the personnel requisitioned, to the BECIL offices wherever located in the areas of New Delhi/Delhi and back. The contractor will furnish to the BECIL the full particulars of the personnel sponsored, including details like Name, Father's Name, Age, Photograph, Permanent Address etc. and they will also ensure the verification of the antecedents of such personnel from their Ex-employer/Police, and also ensure that they possess the requisite technical qualifications and experience for rendering the requisite services to the BECIL. The contractor will be responsible for compliance of all the applicable laws and obligations arising out from the action of providing services as stated in this RFP. Any liability arising under Municipal, State or Central Govt. laws and regulations will be the sole responsibility of the contractor and the BECIL shall not be responsible for any such liability. The contractor shall undertake to indemnify the BECIL for any liability under any law arising out of the engagement of the said professionals. The contractor shall comply with all rules and regulations regarding safety and security of its employees and the BECIL will in no way be responsible in any manner in case of any mishap to its personnel. The personnel provided shall be under the direct control and supervision of the contractor. However, they shall comply with the oral and written instructions being given on day-to-day basis, by the officer(s) authorized by the BECIL from time to time. They will be bound by office timings, duty, placement, locations, etc., as decided by the BECIL. The contractor shall be responsible for the discipline and conduct of the personnel sponsored by them and in case the personnel lack in discipline and their quality of work deteriorates during the course of their service, the contractor shall provide replacement services of suitable personnel. During the subsistence of the contract, BECIL shall not undertake any monetary liability other than the amount payable to the contractor for the services of personnel provided by them. Other liabilities, if any, shall be solely rest on the contractor. Even if the BECIL has to bear such liabilities on unforeseen circumstances/occasions, BECIL will recover such amount from the contractor by adjusting the amount payable to them. In case the employees of the contractor do not attend the work at any time for whatever reason, the contractor shall make alternate arrangements at no extra cost to the BECIL, so that the assigned work of the BECIL does not suffer. BECIL shall also be free to make alternate arrangements and the cost of which shall be recovered from the contractor. Any loss, theft or damage to the life and/or property of the employees of BECIL and/or property of the BECIL shall be compensated by the contractor, if the cause of such loss, theft or damage is on account of default, negligence and/or lapse of the employees of the contractor. The contractor shall be responsible for providing amenities as required to be provided under the provisions of Contract Labor (Regulation and Abolition) Act, 1970. In case of failure of contractor provide such amenities, BECIL shall be free to provide the same and BECIL shall have right to recover all expenses incurred in providing such amenities from the contractor by deduction from any amount payable to the contractor. The contractor shall comply with all acts, laws and other statutory rules, regulations, bye-laws, etc., as applicable or which might become applicable to the N.C.T. of Delhi with regard to performance of the work included herein or touching upon this contract including but not limited to Minimum Wages Act, 1948, Delhi Shops and Establishment Act. 1954, ESI Act, 1948, Provident Funds and MP Act, 1952. Workmen's Compensations Act, and take such steps as may be deemed necessary in this regard from time to time. It will be the sole liability of the contractor to pay the wages, provident

fund, ESI, to its employees as applicable under the relevant rules. The contractor has to give an undertaking in this regard that he is following all the labour laws including the payment of minimum wages, etc. The contractor is liable to furnish all the relevant records for the information of employees. If the contract fails to render any or all the services, for any period during the currency of the contract, BECIL shall be at liberty to get the work done from other agencies and deduct charges incurred on this account from the amount payable to the contractor or from the Security Deposit or Bank Guarantee. TDS on account of Income Tax/WCT in accordance with DVAT and GST as applicable will be deducted from the monthly payments of the contractor. If the contractor fails to provide satisfactory performance, BECIL shall be at liberty to terminate the contract and withhold the Security Deposit or the balance payment of the contractor, etc. BECIL reserves the right to abandon or terminate the contract at any time without assigning any reason and it can stipulate any additional term & condition at any time during the currency of the contract. The contractor shall be responsible for payment of Provident Fund and other payments due to its employees deployed for services.

(x) **Special terms and conditions of the contract**

- (i) **Site Visit:** Bidder may Visit to the installation Site at **CENTRAL UNIVERSITY OF JHARKHAND, RANCHI** campus in order to understand the site situations clearly.
- (ii) **Billing & Consignee:** Billing will be in the name of BECIL, Bangalore. Equipment shall be consigned to **CENTRAL UNIVERSITY OF JHARKHAND, RANCHI**.
- (iii) **Delivery and commissioning period:** The time-line for the entire work viz supply, installation, commissioning and training of the said project should be delivered within **8 weeks** from the date of award of the contract.
- (iv) **MATERIALS SUPPLIED BY THE Bidder:** The bidder shall furnish / produce purchase vouchers and manufacturers test certificates of all major items/equipment's from the reputed manufacturers /suppliers. In addition to the testing of materials and QC passed in accordance with Technical specifications
- (v) **EXTENSION OF TIME:** If the bidder shall desire an extension of time for the completion of the work on the ground of his having being unavoidably hindered in its execution in consequence of altered, additional or substituted work, or any other ground, he shall apply in writing to the Engineer in charge within seven days of the hindrance on account of which he desires such extension as aforesaid and then Accepting Authority shall, if in his opinion (which shall be final) reasonable grounds be shown therefore, authorize such extension of time, if any, as may, in his opinion be necessary or proper.
- (vi) **Compliance to RFP specification.** A compliance statement of the items quoted with respect to the preferred make suggested or its equivalent offered by the bidder in functionality, quantitative and qualitative performance are an essential requirement for technical evaluation. Proposals without adequate compliance statement will be rejected. The bidder will have to convince BECIL that, the product offered is equivalent or better in performance and support over the preferred make and model indicated in the RFP.
- (vii) **Compatibility:** System is envisaged to be compatible with the existing setup as well as other quoted equipment in all respects. Up gradation/ Modular design System/equipment be future looking and open to technology up gradations besides capable of adding on facility and features in phased manner.
- (viii) **Safety:** Material and labour safety will be solely responsible of the bidder.
- (ix) After awarding of the contract the bidder has to provide all the technical details and drawings of all the works.
- (x) It is responsibility of the bidder to maintain the site neat & clean. In case of any damage to the property of CENTRAL UNIVERSITY OF JHARKHAND, RANCHI while execution of the work by the bidder, the same will be recovered from the bidder while settlement of final payment.

## **Part V – Evaluation Criteria & commercial offer issues**

**1. Evaluation Criteria:** The broad guidelines for evaluation of RFP will be as follows:

- a. **Only those RFP will be evaluated which are found to be fulfilling all the eligibility and qualifying requirements of the RFP, both technically and commercially.**
- b. The RFP submitted by the bidders will be evaluated by BECIL with reference to the technical characteristics/technical parameters/eligibility criteria as mentioned in the RFP. The compliance of technical documents would be determined on the basis of the parameters specified in the RFP.  
The commercial offer of only those agencies will be opened whose documents towards eligibility criteria are found compliant/suitable after technical evaluation is done by the committee.
- c. The lowest offers will be decided upon the lowest rates quoted by the particular agency as per the price format given at Para 2 below. The consideration of taxes and duties in evaluation process will be as follows:
  - (i) All taxes and duties quoted by the agency will be considered. The ultimate cost to BECIL would be the deciding factor for ranking of offers.
- d. The agencies are required to spell out the rates of GST in unambiguous terms. In the absence of any such stipulation it will be presumed that the prices quoted are firm and no claim on account of such taxes & duties will be entrained after the opening of financial bids. If a bidder is exempted from payment of GST up to any value of services from them, they should clearly state that no GST will be charged by them up to the limit of exemption by Government which they may have the documentary evidence for exemption of any statutory duties and taxes has to be produced along with financial bid. If any concession is available in regard to rate/quantum of GST with the approval of Government, it should be brought out clearly. Stipulation like, GST is presently not applicable but the same will be charged if it becomes leviable later on, will not be accepted unless in such cases it is clearly stated by an agency that GST will not be charged by him even if the same becomes applicable later on. In respect of the Bidders who fail to comply with this requirement, their quoted prices shall be loaded with the quantum of GST which is normally applicable on the item in question for the purpose of comparing their prices with other Bidders.
- e. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price will prevail and the total price will be corrected. If there is a discrepancy between words and figures, the amount in words will prevail for calculation of price.
- f. The lowest acceptable offer will be considered further for placement of contract/supply order after complete clarification and price negotiations if required as decided by BECIL. BECIL also reserves the right to do apportionment of quantity, if it is convinced that lowest bidder is not in a position to provide multiple services within stipulated time and the same will be placed to another bidder at lowest-1 rate.
- g. **Method of evaluation and award:** The proposals will be evaluated with reference to the technical requirements as specified in the BOQ. The commercial bid will be opened only those who qualifies in the technical bid evaluation
- h. **Price:** Rates offered should comprise of supply, installation, testing, commissioning, warranty for one year, training of all supplied equipment's with all the services and support within the warranty period as applicable all together should be quoted in Indian Rupees only
- i. **Product offered quality and solution:** Field proven industry tested equipment and solutions from renowned and reputed firms from industry with proven track record only will be accepted.

Non-standard make/model of equipment without proven and credible local support will disqualify the proposal technically

- j. **Compliance to RFP specification.** A compliance statement of the items quoted with respect to the preferred make suggested or its equivalent offered by the bidder in functionality, quantitative and qualitative performance are an essential requirement for technical evaluation. Proposals without adequate compliance statement will be rejected. The bidder will have to convince BECIL that, the product offered is equivalent or better in performance and support over the preferred make and model indicated in the RFP.
- k. **Compatibility:** System is envisaged to be compatible with the existing setup as well as other quoted equipment in all respects. Up gradation/ Modular design System/equipment be future looking and open to technology up gradations besides capable of adding on facility and features in phased manner.
- l. **Assurance of supply and support:** With respect to their technical capability, organizational stability, reliability of equipment, ability to meet timelines and past experience of BECIL with Bidders.
- m. **Service:** After sales service, availability of spare parts/technical support, within the warrantee offered and extended period as per the OEM's warranty. (Note: If the bidder fails to provide after sales support within the warranty period the PBG will be forfeited
- n. Work man ship provided by the contractor should be skilled enough to carry out the particular works for the better and efficient execution of works. In case of deficiency in services, BECIL reserve the right to deduct payment in the final settlement of payment
- o. **Delivery Schedule:** Adherence to the delivery time line proposed by BECIL will be critical parameter for evaluation and final decision.
- p. **Variation in quantities:** If quantities of the items are exceeding the estimated quantities due to site conditions the overall actually executed quantities will be paid as per the quoted prices only. No additional cost will be paid on the unit quoted rate.
- q. **Addition and deletion of any BOQ item:** BECIL will have right to cancel any item and also to add any new item. Contractor should execute the work as per the amendments or instructions issued by BECIL.
- r. **Safety:** Material and labour safety will be solely responsible of the bidder.
- s. **Quality:** Equipment stability, guaranteed uptime parameters, life of equipment. All the items which are going to be installed should be of approved make and model with an ISI certification
- t. After awarding of the contract the bidder has to provide all the technical details and drawings of all the works and shop drawings for the acoustic works, furnishings and all electrical related works.
- u. **Measurements:** Measurements will be made jointly and payment will be made as per the actual measurements only. For civil works the finished and visible area will be measured. Whereas the electrical wiring items which ever will get concealed should be measured before getting concealed.
- v. It is responsibility of the bidder to maintain the site neat & clean. In case of any damage to the property of **CENTRAL UNIVERSITY OF JHARKHAND, RANCHI** while execution of the work by the bidder, the same will be recovered from the bidder while settlement of final payment.
- w. **Tax Deduction at Source (TDS):** TDS will be deducted as per prevailing rules in force.
- x. **Training:** The successful bidder has to provide subsequent training for a period of 2 days to BECIL and **CENTRAL UNIVERSITY OF JHARKHAND, RANCHI** officials on the operational,

troubleshooting and maintenance aspects of all equipment's installed - under this RFP to ensure its efficient functioning.

**2.0 Commercial offer format:** The financial/commercial offer format is given below and agencies are required to fill this online form correctly as per the Bill of material mentioned in clause 3.2 of Part-II of the RFP.

**A. BOQFOR THE TV STUDIO**

Sl. No	Description	Unit	Qty	Unit Price	GST %	GST Amount	Amount
1	1" MOS/ CMOS Single chip or ½" 3 CMOS Image Sensor 4K Camcorder with all essential accessories:	Num	2				
1.a	Battery with battery charger	Num	2				
1.b	64 GB Memory card	Num	4				
1.c	Card reader compatible to the recording media	Num	2				
2	Two-Stage Aluminum Tripod System along with dolly suitable for above camcorders. Tripod, pan and tilt head, dolly with zoom control and all accessories offered should be capable to take load of camera and teleprompter which is put together 20 kg (approx.) to operate in the studio setup	Num	1				
3	Two-Stage Aluminum Tripod System along with dolly suitable for above camcorders. Tripod should be capable to take load of camera more than5 kg and to operate in the studio setup	Num	1				
4	Digital Video Production Switcher	Num	1				
5	49" Full HD LED Display with suitable stand compatible for above production switcher.	Num	1				
6	32" Display Monitors with suitable	Num	2				
7	Mounting arms over the PCR table for holding 32" monitors	Num	2				
8	HD/SD Digital Video Recorder & Player with 2x 500 GB HDD	Num	1				
9	Talk back system:4-way intercom with 4 sets of Belt pack with 20 mtr.	Num	1				
10	Wired Lapel Microphone	Num	3				
11	Wireless lapel microphone system (Tx' r +Rx' r)	set	1				
12	Wireless hand-held microphone system (Tx' r +Rx' r)	set	1				
13	In Ear Piece	Num	3				
14	Speaker on studio floor +PCR (editing)	Pair	2				
15	16 Channel Audio Mixer	Num	1				
16	Digital SD / HD-SDI Video Distribution Amplifier	Num	1				



17	Audio Distribution Amplifier	Num	1					
18	Editing System: MAC Pro, S/W and H/W FCP X	Num	1					
19	65" Interactive smart board with Wall Mount Bracket + OPS-PC (Onboard Computer).	Num	1					
20	Suitable stand for above interactive Display							
21	HD-SDI to HDMI Converter	Num	1					
22	Headphones	Num	4					
23	19" Teleprompter with Desktop Samvad 19" LCD Tele Prompter with Professional Software. Includes 19" Monitor, Tripod mounting accessories, Height adjustable mirror housing. With 15-meter VGA cable. Samvad Professional Software with Rundown Facility. + Suitable Desktop	Num	1					
24	Wired Desktop Controller for Teleprompter hand control with USB Extender and 20-meter Cable.	Num	1					
25	24 port Gigabit Ethernet Switch	Num	1					
26	Wi-fi enabled router	Num	1					
27	12 U Rack	Num	1					
28	Document Camera	Num	1					
29	Creative pen and 24" HD touch creative interactive display	Num	1					
30	<b><u>Installation at the temporarily identified location.</u></b> : Testing of the supplied items & Training charges	Ls	1					
<b>Part A-Total amount inclusive of all taxes</b>								

**Amount in words:**

**B. BOQ OF COMMUNITY RADIO STATION(CRS) & INTERNET RADIO.**

Sl. No	Description	Unit	Qty	Unit Price	GST %	GST Amount
1	12 Channel Digital audio Mixer	Num	2			
2	Work Stations with Antivirus	Num	4			
3	Single Channel Sound Card	Num	2			
4	Speakers with Mount Stand	Pair	2			
5	Professional Headphones	Num	11			
6	Recording/Editing Software	Num	3			
7	On AIR Light	Num	2			
8	Automation/scheduling & play out software	Num	1			
9	Condenser Microphone with Flexible Arm Stand, one Spider Shock Mount with Stand clip and puff filter	Set	1			
10	Portable Audio System for Video Production	Num	1			
11	Cardioid Dynamic Microphone	Num	8			
12	Microphone Table Top Stand	job	8			
13	Portable Field Recorder	Num	6			
14	Single line Telephone Hybrid	Num	1			
15	Audio processor for Internet Radio Application internet steaming setup, Sound Max Manager, software for remote operation, Android application, Universal Web player, Radio Garden Connectivity. Flat CDN Bandwidth for Unlimited Listener per Year (Bandwidth for Internet Radio)	Ls	1			
16	<b>Flat CDN Bandwidth for limited Listener of about 5000 users per Year (Bandwidth for Internet Radio)</b>	Num	1			
17	Digital tuning FM receiver	Num	1			
18	Digital display Clock	Num	1			
19	<b>Required Installation Materials such as cables, connectors, converters, patch cables,</b> power chords, etc. including Testing, Installation, & Commissioning charges with training Services	Ls	1			
20	<b><u>Installation of equipment's at the temporarily identified location.</u></b> : Testing of the supplied items & Training charges	Ls	1			
<b>Part B-Total amount inclusive of all taxes</b>						

**Amount in words:**

**C. Installation, Testing, Commissioning of the supplied materials for studio (TV, CRS, Internet Radio) with training charges at permanent location**

Sl. No	Description	Unit	Qty	Unit Price	GST %	GST Amount
1	<b><u>Final Commissioning of TV &amp; CRS Studios:</u></b> Studios are ready but still interior works has not been completed. Once Interior, electrical and HVAC is ready, vendor has to take up the final installation, commissioning, testing and training of all supplied equipment's. Installation, testing& Commissioning and training charges with required installation materials. Layout drawings will be shared once the site is ready.	Ls	1			

**Amount in words:**

**D. BOM OF STUDIO LIGHTINGS**

SL No	Items	Unit	Qty	Unit Price	GST %	GST Amount
1	100W LED Lens Panel Light having 3200K colour temperature, CRI, TLCI and R9 value above 96, High quality lamp sources, Flicker free pure light, No green tint, manual dimming through Knob, control mode: Manual and 2/5 DMX control mode through 5pin/3pin xlr. Black powder coated fabricated housing with normal yoke and Colour Filter Frame but without accessories.	NUM	2			
1.a	MS fabricated 4-leaf barn door for 100W Lens Panel Light.	NUM	2			
2	Lighting Stand for Lens Panel Light 3 Section stainless stand with 16mm adaptor rotated by base extended height up to 8ft.	NUM	2			
3	3 Section ENG Light stand having maximum extension of 8 ~ 10 Feet provided with bottle and easy locking, release with black powder coated finish	NUM	2			
4	Installation Material and Installation charges with training Services	Ls	1			
<b>Part D-Total amount inclusive of all taxes</b>						

**Amount in words:**

**Total bid amount= Total amount of part 'A' + Total amount of part 'B' + Total amount of part 'C' + Total amount of part 'D'**

Total price bid Amount in words:

- NOTE:** 1) Item wise GST rate indicated in the Price bid format on the supply part of the equipment's is as per the GST exemption certificate issued by the GoI to **CENTRAL UNIVERSITY OF JHARKHAND, RANCHI.**
- 2) Amount in words should be entered against each item in the online price bid excel sheet and the total amount quoted.
- 3) In case of contradictory of the indicated price values and the prices indicated in words then the amount mentioned in words against each item will be treated as final.

Place:

Signature of bidder:

Date:

Name in Full:

Designation/Status:

**2.1 Un-Priced offer format:** The un-priced offer format is given below and agencies are required to fill this form on their letter head and upload the signed copy of this form.

**For the part –A, B and C BOM items**

<b>Sl. No.</b>	<b>Description/Model</b>	<b>Make/Model of the quoted equipment</b>
1.		
2.		
3.		

Place:

Signature of bidder:

Date:

Name in Full:

Designation/Status:

### 3.0 Formats for the submitting documents by bidders.

#### 3.1 Format for providing general information of the bidder.

SL	Particulars	Details of the bidder
1.	Name and Address of the bidder:	
2.	Name and Designation of the concerned officer or authorized person to whom all references shall be made	
3.	Fax Nos.:	
4.	Phone Nos./ Mobile Nos.:	
5.	e-Mail ID:	
6.	Chief of the organization and his/her contact details viz E-mail ID and Telephone:	
7.	Type of the Organization (Public Sector/ Limited/Private limited/ Partnership/ Proprietary/Society/Any other):	
8.	No. of the offices/Centers with address (enclose the list):	
9.	Bidder's Proposal No. and Date:	
10.	Particulars of past experience of similar works furnished:	
11.	Name and address of local representative at Maharashtra, if any:	
12.	Any other information that bidder may like to give in order to highlight his bid.	

Place:

Signature of bidder:

Date:

Name in Full:

Designation/Status:

**3.1 Format for providing details of works/services of similar nature carried out by the bidder during the last 5 years.**

Name of the Bidder:

SL	Name of the Customer	Description of work	Value of work	From	To	The work is done directly or through sub-contractor	Remarks

**Note:** Photocopy of Performance Certificate/Completion Certificate of customer in Support of the work mentioned above is required to be enclosed.

Signature of the bidder

**3.2 Format for providing details of the on-going projects.**

***Name of the Bidder:***

SL	Full postal address of client and name of Officer-in-charge with Contact details	Description of the work done	Value of contract	Date of commencement of work	Scheduled / revised completion period	Percentage of completion as on date	Expected date of completion	Remarks

Signature of the bidder

**3.3 Format for providing details on annual turnover from similar work statement:**

***Name of the Bidder:***

The bidder shall indicate herein his annual turnover from similar work during preceding 3 years based on the audited balance sheet/profit and loss account statement.

<b>Financial year</b>	<b>Annual turnover (Rs.)</b>
2019- 20	
2018-19	
2017- 18	

***Note:***

1. Copies of audited balance sheets with profit and loss account of past 3 years shall be submitted along with the Technical bid in support of above entries.

**(Statutory Auditor)**



### 3.4 Format of OEM's authorization letter

TO BE PRINTED ON OEM'S OFFICIAL STATIONERY

Date:

#### **MANUFACTURER'S AUTHORIZATION LETTER**

To,  
Chairman and Managing Director,  
Broadcast Engineering Consultants India Ltd,  
BECIL Bhavan, 56-A/17, Block-C, Sector-62,  
**Noida-201201.**

Subject: BECIL NIT Number: **BECIL\CU\JHARKHAND\TV&CRS\Equip\2021- 22 Dated:  
09/04/2021**

Dear Sir,

We, (*Name and Address of the OEM*) who are reputed manufacturer of ..... Hereby authorize [**bidder's company's name and address**] to bid, negotiate and conclude the contract with BECIL on behalf of us against subject RFP floated on your behalf for **SITC OF TV STUDIO, COMMUNITY RADIO STATION (CRS) INTERNET RADIO EQUIPMENTS** by Broadcast Engineering Consultants India Ltd **AT CENTRAL UNIVERSITY OF JHARKHAND, RANCHI** for the equipment/items manufactured by us.

We hereby extend **twelve months** of guarantee and warranty service for the goods offered for supply against this invitation for bid by the above after the commissioning of the project.

We also undertake to availability of hardware and software support and spares for a period of **twelvemonths** from the date of installation and handing over of the equipment for this project.

Yours faithfully,

(Signature with seal)

Name and Designation

### 3.5 Format for submission of EMD in BG format

Whereas \_\_\_\_\_ (hereinafter called the tenderer”) has submitted their offer dated \_\_\_\_\_ for the supply of \_\_\_\_\_ (hereinafter called the tender”) against the purchaser’s tender enquiry No. \_\_\_\_\_ KNOW ALL MEN by these presents that WE \_\_\_\_\_ of \_\_\_\_\_ having our registered office at \_\_\_\_\_ are bound unto \_\_\_\_\_ (hereinafter called the “Purchaser”) In the sum of ----- for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_.

THE CONDITIONS OF THIS OBLIGATION ARE:

- (1) If the tenderer withdraws or amends, impairs or derogates from the Tender in any respect within the period of validity of this tender.*
- (2) If the tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity: -*
- (3) If the tenderer fails to furnish the Performance Security for the due Performance of the contract.*
- (4) Fails or refuses to accept/execute the contract.*

WE undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including 45 days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above date.

(Signature of the authorized officer of the Bank)

Name and designation of the officer

Seal, name and address of the Bank and address of the Branch

### **3.7 Performance Bank Guarantee Format**

**From:**  
**Bank** \_\_\_\_\_

To  
The Chairman and Managing Director  
Broadcast Engineering Consultants India Limited  
Under Ministry of Information & Broadcasting  
Government of India, New Delhi

Dear Sir,

1. Whereas you have entered into a contract No. .... Dt.....(hereinafter referred to as the said Contract with M/s....., hereinafter referred to as the "Contractor/Supplier" for supply of services as per Part-II of the said contract to the said contractor and whereas the contractor/supplier has undertaken to produce a bank guarantee for **3% of total Contract value** amounting to.....to secure its obligations to The Chairman and Managing Director.
2. We the.....bank hereby expressly, irrevocably and unreservedly undertake and guarantee as principal obligors on behalf of the contractor/supplier that, in the event that The Chairman and Managing Director declares to us that the services have not been provided according to the Contractual obligations under the aforementioned contract, we will pay you, on demand and without demur, all the any sum up to a maximum of ..... Rupees.....only. Your written demand shall be conclusive evidence to us that such repayment is due under the terms of the said contract. We undertake to effect payment upon receipt of such written demand.
3. We shall not be discharged or released from this undertaking and guarantee by any arrangements, variations made between you and the Contractor/supplier indulgence to the Contractor/Supplier by you, or by any alterations in the obligations of the Contractor/Supplier or by any forbearance whether as to payment, time performance or otherwise.
4. In no case shall the amount of this guarantee be increased.
5. This guarantee shall remain valid for \_\_\_ months from the effective date of contract according to the contractual obligations under the said contract.
6. Unless a demand or claim under this guarantee is made on us in writing or on before the aforesaid expiry date as provided in the above referred contract or unless this guarantee is extended by us, all your rights under this guarantee shall be forfeited and we shall be discharged from the liabilities hereunder.
7. This guarantee shall be a continuing guarantee and shall not be discharged by any change in the constitution of the bank or in the constitution of M/s.....

**3.8 Format for submission of affidavit certifying that, the bidder is not barred or blacklisted by any of the Central/State Government departments/ organizations/ central PSUs at the time of submission of bid or during previous five years.**

**Declaration by the bidder**

[Affidavit on Non-Judicial Stamp Paper of INR 100 duly attested by Notary/ Magistrate]

This is to certify that I/We \_\_\_\_\_ (authorized signatory – it should be Director or any person specifically authorized. In case of specific authorization, the authority letter is required) of, M/s. \_\_\_\_\_, in submission of this offer confirm that:

I/We hereby undertakes that I/we have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements;

I/We hereby undertakes that I/we do not have records of poor performance such as abandoning the work, not properly completing the contract, inordinate delays in completion, litigation history or financial failures etc.

I/We hereby undertakes that Neither M/s \_\_\_\_\_ nor Business has not been barred or blacklisted by any Central/ State Government Department/ Public Sector Undertaking or Enterprise of Central/ State Government at the time of submission of bid or during previous five years.

I/We have submitted all the supporting documents and furnished the relevant details as per prescribed format.

The information and documents submitted with the tender by us are correct and we are fully responsible for the correctness of the information and documents submitted by us.

I/We hereby declare that all the information and statements made in this tender are true and accept that any misinterpretation contained in it may lead to our disqualification.

I/We hereby authorize BECIL, in case any false undertaking/facts/document are found in our bid, to cancel our bid and take further action as per rule.

\_\_\_\_\_  
Signature of the Authorized Person

Name:

Designation:

**3.9 Format of authorization letter for signing the bid document on behalf of bidder.**

To,  
Chairman and Managing Director,  
Broadcast Engineering Consultants India Ltd,  
BECIL Bhavan, 56-A/17, Block-C, Sector-62,  
**Noida-201201**

*Subject:* **BECIL NIT for SITC OF TV STUDIO, COMMUNITY RADIO STATION (CRS) INTERNET RADIO EQUIPMENTS AT CENTRAL UNIVERSITY OF JHARKHAND, RANCHI.**

*Ref: NIT no:* BECIL\CU\JHARKHAND\TV&CRS\Equip\2021- 22  
*Dated:*09/04/2021

Dear Sir,

We, [bidder's company's name and address] hereby authorize Sri/Smt .....to sign, bid, negotiate and conclude the contract with BECIL on behalf of us against subject NIT floated on your behalf for **SITC OF TV STUDIO, COMMUNITY RADIO STATION (CRS) INTERNET RADIO EQUIPMENTS AT** Broadcast Engineering Consultants India Ltd at **CENTRAL UNIVERSITY OF JHARKHAND, RANCHI.** for the equipment/items supplied by us.

Yours faithfully,

\_\_\_\_\_  
Signature of Mr. \_\_\_\_\_

(Signature with seal)

Name and Designation of the bidder

\_\_\_\_\_

Attested

### 3.10 FORMAT OF COMPLIANCE/EXCEPTION / DEVIATION

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 un-priced bid i.e., "Technical Bids". 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.

#### For all the BOQ items

Sl. no	Description	Compliance Yes/No	Deviations if any
1.			

Signature of the Bidder/Tenderer

Seal of the Company -

### 3.11 Format of the CHECK LIST for technical bid document

SL	Description	Compliance / Confirmation by the Tenderer (Please Tick) <input type="checkbox"/> Yes / No / Pl. Indicate Page No. of the Bid document
1.	<b>Bid Covering Letter stating clearly that all the terms and conditions of this RFP are accepted.</b>	
2.	Check List with Page No.	
3.	Tender fees	
4.	EMD (Exempted for COP/NSIC/MSME)	
5.	General information of the bidder. (with company credential/registration documents)	
6.	Details of works/services of similar nature carried out by the bidder during the last 5 years.	
7.	Details of the on-going projects.	
8.	Last Three years audited financial statement with balance sheets	
9.	Authorization letter for signing the bid document on behalf of the bidder.	
10.	Affidavit regarding blacklisting	
11.	OEM's Certificates	
12.	Documents pertaining to the eligibility criteria	
13.	Bid Compliance statement	
14.	OEM compliance statement	
15.	BOM with make and model details	
16.	GST Registration certificate.	
17.	All Technical data sheets	
18.	Any other documents bidder would like to attach	

**Strike out if not applicable.**

**The bids not complied with the Check list, will be summarily rejected**

**Format of Arbitration Clause –Indigenous Private bidders**

- (i) All disputes of differences arising out of or in connection with the present contract including the one connected with the validity of the present contract or any part thereof should be settled by bilateral discussions.
- (ii) Any dispute, disagreement of question arising out of or relating to this contract or relating to construction or performance (except as to any matter the decision or determination whereof is provided for by these conditions), which cannot be settled amicably, shall within sixty (60) days or such longer period as may be mutually agreed upon, from the date on which either party informs the other in writing by a notice that such dispute, disagreement or question exists, will be referred to a sole Arbitrator.
- (iii) Within (60) days of the receipt of the said notice, an arbitrator shall be nominated in writing by the authority agreed upon by the parties.
- (iv) The sole Arbitrator shall have its seal in New Delhi or such other place in India as may be mutually agreed to between the parties.
- (v) The arbitration proceedings shall be conducted under the Indian Arbitration and Conciliation Act, 1996 and the award of such Arbitration Tribunal shall be enforceable in Indian Courts only.
- (vi) Each party shall bear its own cost of preparing and presenting its case. The cost of arbitration including the fees and expenses shall be shared equally by the parties, unless otherwise awarded by the sole arbitrator.
- (vii) The parties shall continue to perform their respective obligations under this contract during the pendency of the arbitration proceedings except in so far as such obligations are the subject matter of the said arbitration proceedings.

**Note:** In the event of the parties deciding to refer the dispute/s for adjudication to an Arbitral Tribunal then one arbitrator each will be appointed by each party and the case will be referred to the Indian Council of Arbitration (ICADR) for nomination of the third arbitrator. The fees of the arbitrator appointed by the parties shall be borne by each party and the fees of the third arbitrator, if appointed, shall be equally shared by the Customer and Contractor.



**Annexure-1**

**DECLARATION**

I/We hereby certify that the information furnished above is true and correct to the best of my / our knowledge and I have read and understood the terms and conditions contained in the RFP document.

I/We understand that in case any deviation is found in the above statement at any stage, I / We will be blacklisted and will not have any dealing with the BECIL in future.

Signature of Authorized Signatory on behalf of Agency

Place: \_\_\_\_\_

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

Address: \_\_\_\_\_

Mobile: \_\_\_\_\_

Email ID: \_\_\_\_\_