EXPRESSION OF INTEREST

FOR

SELECTION OF OEM/AUTHORIZED SUPPLIER/AGENCY/PARTNER FOR ESTABLISHMENT OF SETUP AT CHETHANA INTEGRATED DEVELOPMENT SOCIETY (CIDS) KAYAMKULAM-690502, KERALA

EOI Ref No. BECIL/CHETHANA/EOI-1/2024 Dated: 10/04/2024

Issued By Shri R. B. Jagtap (General Manager)

Broadcast Engineering Consultants India Limited (A Government of India Enterprise)
CIN No.: U32301UP1995GOI017744



Corporate Office:

BECIL BHAWAN, C-56-A/17, Sector-62, Noida-201 307Tel: 0120 4177850, Fax: 0120 4177879



14-B Ring Road, IP Estate, New Delhi- 110002Tel:

011 23378823, Fax: 01123379885

Web: www.becil.com

E-mail: khuswindersingh@becil.com





EXPRESSION OF INTEREST DETAILS IMPORTANT DATES (SCHEDULE AND CRITICAL DATES)

S.N.	ACTIVITY	SCHEDULED DATE & TIME		
1.	EOI Number & Date	BECIL/CHETHANA/EOI-1/2024 Dated 10/04/2024		
2.	Date & Time of Issue of EOI	Date 10/04/2024		
		Time <u>16:00 PM</u>		
3.	Last date and Time for	Date 15/04/2024		
	Submission of EOI	Time 16:00 PM		
4.	EOI open date and Time	Date 15/04/2024		
		Time <u>16:30 PM</u>		
5.	Website	www.becil.com		
6.	Name of work	Establishment of setup at CIDS,		
		Kayamkulam-690502, Kerala		
7.	EOI Type	Open EOI		
8.	Place of Submission of EOI/ Opening of	BECIL Bhawan, C-56 / A -17, Sector - 62,		
	EOI	Noida – 201 307, UP		
9.	Contact details for this EOI	Name: Shri. Khuswinder Singh Bhatia		
		Designation: Deputy General Manager		
		Email: khuswindersingh@becil.com		
		Mobile: 8130190439		

NOTE: Broadcast Engineering Consultants India Ltd. reserves the right to amend the EOI tentative schedule and critical dates without giving any explanation whatsoever. Corrigendum may be published in this regard on www.becil.com. Bidders are advised to check the website for updates in this regard.



Annexure 'A'

AGENCY'S GENERAL INFORMATION (On Agency's Letter head)

Agency need to fill in the details (with supporting documents attached)

Sr. No	Details	Remarks / Document
1	Name of Organization	
2	 Type of Organization Company registered under the Indian Companies Act, 1956 OR Partnership firm registered under the Partnership Act, 1932 OR Proprietorship firm OR Limited Liability Partnership (LLP) 	
3	Year of establishment	
4	Address of registered office with telephone no. & fax	
5	Address of offices in i) National Capital Region of Delhi ii) All other States/UT's	
6	Contact details of Authorized signatory in reference to this enquiry	
7	Name, Designation and address of the Officer to whom all references shall be made regarding this enquiry	
8	PAN No	
9	GSTIN No	
10	Whether the firm has been blacklisted By any Central Govt. /State Govt./PSU/ Govt. Bodies/Autonomous? If yes, details thereof.	
11	Status and details of disputes/litigation/arbitration, if any.	

Signature of Authorized Signatory	
Name:	
Designation:	
Place:	
Date:	
Address:	
Mobile:	_



Email ID:	
EIIIaii ID.	

Annexure 'B'

COVERING LETTER (On Agency's Letter head)

To,
The Deputy General Manager
Broadcast Engineering Consultants India Limited
56-A/17, Block-C, Sector-62
Noida -201307 (UP)

Subject: Submission of the response against EOI for establishment of setup at Chethana Integrated

Development Society (CIDS), Kayamkulam-690502, Kerala

Dear Sir,

We, the undersigned, offer to supply the required equipment to BECIL with reference to your EOI BECIL/CHETHANA/EOI-1/2024 dated April 10th, 2024 we hereby submitting our response for establishment of setup at Chethana Integrated Development Society (CIDS), Kayamkulam-690502, Kerala

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

We agree to abide by all the terms and conditions of this enquiry letter. We would hold the terms of our proposal valid for the number of days as stipulated in the enquiry letter.

Thanking You,

Signature of Authorized Signatory	
Name:	
Designation:	
Place:	
Date:	
Address:	
Mobile:	
Email ID:	



ELILIGIBILITY CRITERIA AND EVALUATION

1. ELIGIBILITY CRITERIA OF BIDDERS

1. Company/Bidder's Profile:

- (a) The Bidder shall be Company incorporated/registered in India under Companies Act 1956/2013/Proprietorship/Partnership firm/Limited Liability Partnership (LLP).
- (b) The bidder should have a valid PAN and GST Registration. Copy of PAN card and GST Registration certificate should be submitted in the bid.
- (c) The Bidder should not be blacklisted/debarred/banned/restricted by any Union Govt. /State Govt. / PSU as on date of submission of the Bid. An undertaking by the bidder should be submitted.
- (d) The bidder holding the DEALER POSSESSION LICENSE (DPL) for supply of RF equipment is not eligible for submission of response against this EOI.

2. **Financial Eligibility:**

(a) The bidder must have minimum average annual turnover (of last three audited years) as Rs. 10 Lakh

Documentary evidence (in case of Company registered under the Indian Companies Act) in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be included with the response.

In case of Partnership firm/Proprietorship firm/Limited Liability Partnership (LLP) if the audited balance sheet is not applicable then certificate from the Chartered Accountant / Cost Accountant indicating the turnover details **OR** ITR returns for the mentioned period can be submitted.

(b) The bidder (in case of private Limited) should have positive net worth in each of last three audited Financial Years.

Documentary evidence in the form of a certificate from the Chartered Accountant/Cost Accountant shall be included with the response.

3. **Technical Eligibility Criteria:**

(a) Experience: The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products in the last three years. Copies of at least three relevant orders to be submitted along with bid in support.

4. Warranty:

(a) Warranty period of the supplied products shall be 1 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. Warranty certificates from OEM/Authorized suppliers must be submitted by successful bidder at the time of delivery of Goods.



5. Delivery (a) Delivery address would be informed at the time of dispatch, it can be collected by BECIL or to be delivered at BECIL Delhi (No delivery charge is applicable), however in case the consignment is to be delivered to site, courier charges can be claimed as per actual expenses. Actual consignee is mentioned below. 7. **Payment Milestone** (a) 60% amount of the order value would be released along with the order against submission of Proforma Invoice. (b) Balance payment would be released after successful delivery in good condition and submission of GST invoice. (c) Invoice shall be raised based upon the exact work / services executed at site. (d) The work done to be dully verified by BECIL/client representative is to be enclosed with invoice while claiming final payment. **Consignee** Chethana Integrated Development Society Kayamkulam, Alappuzha-690502, Kerala 9 Tax invoices The Tax Invoices shall be raised in the name of "Broadcast Engineering Consultants India Limited, 14-B, I. P. Estate, Ring Road, New Delhi-110001 (BECIL, New Delhi GSTIN 07AAACB2575L1ZK) ". The tax in the tax invoice should be shown separately.



2. PRELIMINARY EVALUATION

- 2.1 BECIL shall evaluate the proposals to determine that they are complete, technically complying, no computational errors have been made, required documents as mentioned in the EOI have been furnished, the documents have been properly signed and the response is generally in order. In case of any calculation error, the total (final) price shall be considered for evaluation.
- 2.2 BECIL may waive off any minor infirmity or non-conformity or irregularity in the proposal which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any OEM/Authorized Supplier/Agency/Partner.
- 2.3 In case only one bid is received or during the Technical Evaluation only one OEM/Authorized Supplier/Agency/Partner qualified, BECIL reserves the right to accept/reject the bid.

3. EVALUATION PROCESS

- 3.1 No enquiry shall be made by the bidder/ Agency (s) during the course of evaluation of the EOI, after opening of bid, till final decision is conveyed to the successful OEM/Authorized/Supplier/Agency/Partner. However, the Evaluation Committee/its authorized representative and office of BECIL can make any enquiry/seek clarification from the OEM/Authorized Supplier/Agency/Partner, which the OEM/Authorized Supplier/Agency/Partner must furnish within the stipulated time else the bids of such defaulting OEM/Authorized Supplier/Agency/Partner will be rejected. The proposal will be evaluated on the basis of its content, not its length.
- 3.2 OEM/Authorized Supplier/Agency/Partner proposals will be evaluated as per the requirements specified in the EOI and adopting the evaluation criteria spelt out in subsequent paras of this EOI document. The bidder/Agency are required to submit all required documentation as per evaluation criteria specified in EOI.
- 3.3 Upon verification, evaluation/ assessment, if in case any information furnished by OEM/Authorized Supplier/Agency/Partner is found to be Incomplete/incorrect, their bid will be summarily rejected and no correspondence on the same shall be entertained. Submission of false/forged documents will lead to forfeiture of security deposit/EMD and blacklisting of agency for a minimum period of 3 years from participating in BECIL tenders.
- 3.4 BECIL will review the proposal to determine whether the proposals are as per the requirements laid down. Proposals that are not in accordance with these requirements are liable to be disqualified at BECIL's discretion.
- 3.5 Evaluation of proposals shall be based on:
 - 3.5.1 Information contained in the proposal, the documents submitted thereto and clarifications provided, if any.



- 3.5.2 Experience and Assessment of the capability of the OEM/Authorized Supplier/Agency/Partner based on past record.
- 3.6 BECIL reserves the right to seek any clarifications on the already submitted bid Documents; however, no fresh documents shall be accepted in support of proposals.
- 3.7 Conditional proposals shall NOT be accepted on any ground and shall be rejected straightway. If any clarification is required by the bidders, the same should be obtained before submission of the proposals.
- 3.8 Even though OEM/Authorized Supplier/Agency/Partner satisfy the necessary requirements they are subject to disqualification if they have:
 - 3.8.1 Made untrue or false representation in the form, statements required in the EOI document.
 - 3.8.2 Records of poor performance such as abandoning work, not properly completing contract, financial failures or delayed completion.



Annexure 'C'

Price Template

1. Internal studio work

S.	Description	Specification	Make/Model	Qty	Unit rate	Total value
No.					(Rs)	(Rs)
(A)	Acoustics Treatment					
1.	Supply and fixing of acoustic treatment	Acoustic Treatment to Studio walls, using wooden frame / GI channel, wood battens, high density glass/rock wool (acoustic material) Supply and fixing of low frequency acoustic treatment up to 4' height from floor level having GI channel frame work, glass wool infill and 3mm Teak Ply.(3mm TP+25mm AG+50mm GW). Supply and fixing of acoustic treatment for mid & wide band frequencies above LFA up to false ceiling with GI channel frame work glass wool as infill and perforated gyp board/ tile 12 mm thick.		1050 Sq. Ft.		
2.	Supply and fixing of skirting	(4-inch height)		130 R. Ft.		
(B)	False Ceiling	,				
1.	Supply and fixing of false ceiling with 0.65 NRC 600mm x 600mm tiles on metal frame work	Supply and fixing of false ceiling with 0.65 NRC 600mm x 600mm tiles on metal frame work.		330 Sq. Ft.		
(C)	Flooring					
1	Supply and fixing of PVC floor	Supply and fixing of 2mm thick PVC roll/ tiles on floor of all technical areas.		330 Sq. Ft.		
(D)	Door & Window					
1	Supply and fixing of acoustic door and chowkhat	Acoustic doors for studios with frame with magnetic seal		03 Nos		
2	Hydraulic door closer	Heavy duty door closer for acoustic door		03 Nos		



3	Supply and fixing of acoustically	Observation window of size 4'x3' fabricated with	02 Nos	
	treated observation window of	good quality of sal wood / teak wood with sound		
	size 4'x3'	proof laminated		
4	Anti-termite treatment	Termite solution	01 Job	
(E)	Technical Furniture			
1	Supply and fixing of on-air	ON Air Studio with 3/4" commercial block board and	01 No	
	studio table	1mm laminate of approved color and shade		
2	Supply and fixing of transmitter	Transmitter table with 3/4" commercial block board	01 No	
	table	and 1mm laminate of approved color and shade		
3	Supply and fixing of production	Production table with 3/4" commercial block board	01 No	
	table	and 1mm laminate of approved color and shade		
4	Supply and fixing of discussion	VOB table with 3/4" commercial block board and	01 No	
	VOB table	1mm laminate of approved color and shade		
(F)	Electrical			
1	Supply & fixing of electrical	Supply & fixing of electrical wiring, distribution panel	01 Job	
	wiring, distribution panel (MCB	(MCB TPN) branded		
	TPN)			
2	Supply and fixing of lights,	Supply and fixing of lights, factures, switch socket,	01 Job	
	factures, switch socket, etc.	etc. branded		
3	Conduit and piping etc.	Standard	01 Job	
4	Earthing (for audio, transmitter	for audio, transmitter & tower	03 Nos	
	& tower)			
(G)	Paint & Polish			
1	Paint on plain wall with plastic	Branded	605 Sq. Ft.	
	emulsion paint to give even			
	shade			
2	Polish on veneer with French	Branded	480 Sq. Ft.	
	sprit polish			
		Sub Total		
		GST (%)		
		Grand Total		



Rs. Only

2. Transmission Chain

S. No.	Description	Specification	Make/Model	Qty	Unit rate (Rs)	Total value (Rs)
1.	Equipment mounting arrangement	19' equipment rack angel with hardware		01 No		
2.	Manual changeover	With 3 Nos. of 1 meter cables for interchange with transmitter compatible		01 No		
3.	Dummy load	100 W dummy load		01 No		
		Sub Total				
		GST (%)				
		Grand Total	_			
				Rs		Onl

3. Transmission Tower

S. No.	Description	Specification	Make/Model	Qty	Unit rate (Rs)	Total value (Rs)
1.	30 Meter self-mast	Supply of tower material for 30 meters self-mast complete with accessories i.e. along with auto sensing LED aviation light and its connecting cable (appx 50 meters), lightening arrestor and it's connecting cable till base of the tower.		01 Set		
		Sub Total				
		GST (<u></u> %)				
		Grand Total				

₹s.	Only
13.	Oi



4. ON Air studio equipment

S. No.	Description	Specification	Make/Model	Qty	Unit rate (Rs)	Total value (Rs)
1.	On air broadcast digital console	 Analog on air broadcast console with mobile With 5 mic, 1 USB and 2 Bluetooth Phone channels live streaming console High Performance mic channels. Perfect for a Guest/Host configuration. Channel 1 & 2 features a Talk button to talk to Bluetooth CH's. USB sound card functionality to work with any software. High performance mic preamps. 1 Input, allowing you to connect another external device. A / B Input on channel 5 gives you the ability to either connect a mic, or a line input. Active balanced RJ-45 on channel 5 		01 No		
2.	Reference studio monitor	Powered Studio Monitor Speakers • Total Output Power (RMS): 21W + 21W • Frequency Response: 60Hz - 20kHz • Signal-to-Noise Rate: ≥ 85dB (A) • Audio Inputs: TRS Balanced, RCA, AUX		01 Pair		
3.	Dynamic PODCAST microphone	Dynamic PODCAST microphone • Frequency Range: 80-16,000 Hz • Element: Dynamic • Polar Pattern: Hyper cardioid		01 No		



		Impedance: 600 ohmsOutput Connection: XLR		
4.	RJ microphone stand	Ideal for radio, broadcast, studio Internal springs for quiet operation Includes both threaded desk insert and desk mount clamp Supported microphone and shock mount/clip	01 No	
5.	Professional Dynamic microphone	 Type: Dynamic Frequency Response: 50 to 15,000 Hz Polar Pattern Cardioid Output Impedance 600 Ω Sensitivity at 1 kHz, open circuit voltage - 52 dBV/Pa [1] (2.5 mV) 	02 Nos	
6.	Microphone Stand	Half height round base table top mic stand	02 Nos	
7.	Studio Headphone	 Ear coupling Around ear Transducer principle Dynamic, closed Frequency Response 16HZ-22KHZ Sound pressure level dB (passive : 1kHz/1Vrms) Sensitivity 98±3dB Impedance 32ohm Cable length: 3000mm (9.84ft) Weight 290g (with cable) 	03 Nos	
8.	Audio work station	Specification: Intel Core i7/16 GB RAM DDR4/1TB HDD/24x2" TFT/240 GB SSD/2GB graphic card/keyboard, Mouse/Window)	01 No	
9.	Audio Distribution Amplifier	1 (Stereo Input) X 6 (Stereo Output)XLR Balanced input and output	01 No	
10.	Headphone Distribution Amplifier	1 (Stereo Input) X 6 (Stereo Output) Balanced input and output	01 No	



11.	Automation Paly-out Software	Automation/Scheduling software license (Play out, Playlist, multiple category for content clock designing for intelligent scheduling) Create playlist, schedule the playlist/song, auto start at schedule time.	01 No	
12.	Installation material including audio, microphone, cable, connecters (XLR, EP, TRS etc.), Digital watch, Warning lights (On Air/Recording)	 Microphone cable: 200 Meters XLR connector (M & F): 30 Pairs TRS (Phono Stereo) connectors: 20 Nos. TRS (Phono Mono) connectors: 10 Nos. RCA connectors: 8 Nos. EP connectors: 4 Nos. Digital watch: 3 Nos. Warning lights (On Air): 1 No. Warning lights (Recording): 1 No 	01 Lot	
		GST (%)		
		Grand Total		

Rs On

5. ON Air studio equipment

1.	Analog Audio Mixer	16-Channel Mixing Console: Max. 10 Mic / 16 Line Inputs (8 mono + 4 stereo) / 4 GROUP Buses + 1 Stereo Bus / 4 AUX (incl. FX) • Max. 10 Mic / 16 Line Inputs (8 mono + 4 stereo)	01 No	
		 4 GROUP Buses + 1 Stereo Bus 		
		• 4 AUX (incl. FX)		
		 PAD switch on mono inputs 		
		 +48V phantom power 		
		 XLR balanced outputs 		
		 Metal chassis 		
		 Dimensions(W×H×D): 444 mm x 130 mm x 500 		



		mm (17.5" x 5.1" x 19.7") Net Weight: 6.8 kg (15.0 lbs.) Rack Mount Kit Included		
2.	Studio Monitor Speaker	 2 Way bi-amp1ified near field studio monitor with 5" cone woofer and 1" dome tweeter. 2-way bass-reflex bi-amplified near field studio monitor with 5" cone woofer and 1" dome tweeter 45W LF plus 25W HF bi-amp system for high-performance 70W power amplification ROOM CONTROL and HIGH TRIM response controls XLR and TRS phone jack inputs accept balanced or unbalanced signals 	O1 No	
3.	Professional Condenser Microphone	 Directional pattern Cardioid Frequency range 20Hz – 20KHz Sensitivity -37dBV/Pa SPL144dB S/N ratio 78dB Dynamic range 128dB Power supply voltage 48V +/-3V 	01 No	
4.	RJ microphone stand	 Ideal for radio, broadcast, studio Internal springs for quiet operation Includes both threaded desk insert and desk mount clamp Supported microphone and shock mount/clip 	01 No	
5.	Professional Dynamic microphone	 Type: Dynamic Frequency Response: 50 to 15,000 Hz Polar Pattern Cardioid Output Impedance 600 Ω Sensitivity at 1 kHz, open circuit voltage - 	03 Nos	



		52 dBV/Pa [1] (2.5 mV)		
6.	Microphone Stand	Half height round base table top mic stand	03 Nos	
7.	Studio Headphone	Ear coupling Around ear	04 Nos	
		Transducer principle Dynamic, closed		
		Frequency Response 16HZ-22KHZ		
		Sound pressure level dB (passive :		
		1kHz/1Vrms)		
		Sensitivity 98±3dB		
		Impedance 32ohm		
		Cable length: 3000mm (9.84ft)		
		Weight 290g(with cable)		
8.	4 Channel Soundcard	Connection Type: USB Type-C	01 No	
		Audio Interface		
		• 6 x 4 USB 3.0 audio interface with 4 x D-PRE		
		and 32-bit/192 kHz support		
		Power supply: USB Type-C bus-powered,		
		External 12 V		
		Maximum sample rate: 192 kHz		
		Dynamic range input: 102 [dB]		
		Total number of inputs: 6 No		
		Total number of individual outputs: 4 Nos		
		Microphone preamp: D-PRE		
9.	Audio work station	Specification:	01 No	
		Intel Core i7/16 GB RAM DDR4/1TB HDD/24x2" TFT/240		
		GB SSD/2GB graphic card/keyboard, Mouse/Window)		
10.	Headphone Distribution	• 1 (Stereo Input) X 6 (Stereo Output)	01 No	
	Amplifier	Balanced input and output		
11.	Audio Editing Software	Latest version of Cubase	01 No	
12.	Field recorder with wired	Should have built-in 90-degree X/Y stereo mics,	01 No	



lapel and gun microphone	advanced one-touch button controls, and distortion- free recording, Hardware Interface: USB Media Format: WAV Battery Type: Alkaline		
	Sub Total		
	GST (%)		
	Grand Total		

Rs. _____Only

6. Redundant power supply

S.	Description	Specification	Make/Model	Qty	Unit rate	Total value
No.					(Rs)	(Rs)
1.	Online UPS	3 KVA including rack & connector with 2 year warranty		01 No		
2.	SMF batteries for 60 mins back up	SMF Battery 26 Ah / 12v / 8 Nos		01 Set		
		Sub Total				
		GST (%)				
		Grand Total				

S.	Only

7. Internet streaming of audio programs

S.	Description	Specification	Make/Model	Qty	Unit rate	Total value
No.					(Rs)	(Rs)
1.	Hybrid mobile app for android and iPhone	Customized		01 Job		
2.	Upload of mobile app on Google play Store	Standard		01 No		



3.	Upload of mobile application on Apple app Store	Standard	01 No	
		Sub Total		
		GST (%)		
		Grand Total		

Rs.	On	ŀ
113.	Oil	