

Subject: RFP for analysis of structural feasibility and getting a safety certificate from IIT/SERC for Mounting/Replacement of FM Antenna / RF co-axial cable of higher capacity for Pvt. FM Broadcasters under FM Phase-III (Batch-1)

Dear Sir/Madam,

Broadcast Engineering Consultants India Limited, a Public Sector Enterprise, under the Ministry of Information and Broadcasting invites proposals for analysis of structural feasibility and getting a safety certificate from IIT/SERC for Mounting/Replacement of FM Antenna / RF co-axial cable of higher capacity for Pvt. FM Broadcasters under FM Phase-III (Batch-1)

Complete proposal in respect of Technical and Commercial Bids addressed to Chairman and Managing Director in sealed cover, must reach at "Broadcast Engineering Consultants India Ltd.," C-56, A/17, Sector-62, Noida-201307 (U.P.) as per Tender Schedule and Critical Dates mentioned in the attached document.

(Avnish Kumar Gupta)
Assistant General Manager

TENDER DOCUMENT

RFP for analysis of structural feasibility and getting a safety certificate from IIT/SERC for Mounting/Replacement of FM Antenna / RF co-axial cable of higher capacity for Pvt. FM Broadcasters under FM Phase-III (Batch-1)

Ref No: BECIL/RD/FM PHASE-III (BATCH-1)/TOWER/2017-18 Dated: 19/05/2017



Broadcast Engineering Consultants India Limited

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

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

Tel: 011 - 23378823 Fax: 011 - 23379885

Corporate Office : BECIL BHAWAN, C-56-A/17, Sector-62, Noida – 201301 (U.P.)

Tel: 0120 - 4177850 Fax: 0120 - 4177879

E-mail: - contactus@becil.com Web:- www.becil.com

1. TENDER SCHEDULE AND CRITICAL DATES

The TENDER tentative schedule and critical dates are given below:

(i)	Bid System	:	Two bid system with technical & commercial bids sealed separately
(ii)	Issue of Tender document to Prospective Bidders		19.05.2017
(iii)	Last Date of Submission	:	26.05.2017 by 15:00 hrs
(iv)	Venue for Submission and Opening of Bids		BECIL BHAWAN, C-56- A/17, Sector -62, Noida 201307, Uttar Pradesh
(v)	Opening of Technical Bids		26.05.2017 at 15:30 hrs
(vi)	Opening of Financial Bids		Will be intimated to technical by qualified bidders
(vii)	Tender Fee	:	Rs. 500/- (Five Hundred) only (Non Refundable)
(viii)	Amount of EMD	:	
(ix)	Pune, Lucknow	:	Rs.10000 per site
(x)	Kanpur, Muzaffarpur, Rourkela, Aligarh, Kozhikode, Jammu	:	Rs. 2000 per site
(xi)	Delivery period	:	4 weeks from the date of acceptance of our order.
(xii)	Validity of Tender	:	Three Months from the date of opening of Tender

N.B. : This organisation may reject/accept or prefer any bid without assigning any reason whatsoever. BECIL reserves the right to amend the Tender tentative schedule and critical dates.

2. PROCEDURE AND TERMS & CONDITIONS

TWO BID SYSTEM

All bidders are required to submit their offer in two covers as under:-

2.1 Technical Bid should contain the following:-

- (i) Tender documents along with Bill of Material (BOM) duly completed, signed & stamped ***BUT WITHOUT INDICATING THE RATE QUOTED.***
- (ii) The technical details of the system offered along with the supporting original technical literature, Leaflets, Brochure etc. in duplicate.
- (iii) Earnest Money Deposit (EMD)
- (iv) Tender Fee

2.2 Financial bid should contain the following:-

Details of rate, taxes, duties etc. quoted by the bidder. These details should be submitted on their letter head. There should be no Corrections or Overwriting while filling the price.

Both the above mentioned bids must be sealed in covers separately and thereafter be kept in a third cover and sealed again.

This cover should be superscripted with "RFP for analysis of structural feasibility and getting a safety certificate from IIT/SERC for Mounting/Replacement of FM Antenna / RF co-axial cable of higher capacity for Pvt. FM Broadcasters under FM Phase-III (Batch-1)" against tender no : BECIL/RD/FM PHASE-III (Batch-1)/Tower/2017-18 Date: 18/05/2017 and should reach us on or before 1500 Hrs on 25/05/2017. Bids received beyond the specified date and time will be treated as rejected. It is the responsibility of the Bidder to confirm that the bids have been received on time & at the proper place within the specified dates. Facsimile and electronic replies are not acceptable.

The composite bid i.e. rate indicated in the Technical bid will be rejected.

3. Bid Response must be addressed to and submitted at the following address:

**The Chairman & Managing Director
Broadcast Engineering Consultants India Ltd,
C-56 A/17, Sector -62, Noida 201 307 (U.P.)
Tel: 0120-4177850, Fax: 0120-4177879**

4. BECIL reserves all the rights to solicit additional information from Bidders to evaluate the Technical Bid which bid best meets the need of the Project. Additional information may include, but is not limited to, past performance records, lists of available items of supply that will be done simultaneously with the project, on-site visit and evaluations by BECIL personnel, or any other pertinent information. It will be Bidder/OEMs responsibility to check for updated information on BECIL's web site www.becil.com.
5. BECIL will make its decision based on the ability of the Bidder(s) to meet its specific needs, technical expertise of the Bidder(s), delivery capabilities, customer references, past satisfactory performance experience, system completeness (which is a must) besides cost.
6. BECIL reserves the right to waive off any deviations, accept the whole or part thereof or reject any or all bids and to select the Bidder(s) which, in the sole opinion of the Project In charge, best meets the Project's interest. BECIL/Broadcasters also reserve the right to negotiate with potential bidders.
7. All information contained in this Tender Document, or provided in subsequent discussions or disclosures, is proprietary and confidential. No information may be shared with any other organization, including potential sub-contractors, without prior written consent from BECIL.
8. BECIL reserves the right to either increase or decrease the quantity/site of any or all the items included in suggestive bill of material which are estimated requirements and therefore open to variation.
9. BECIL reserves the right to alter/modify the scope of work mentioned in this TENDER document at any stage of the bidding process and contract.

10. Competent Authority:

BECIL's competent authority (Chairman & Managing Director) reserves right to terminate the contract at any stage of the work by giving 7 days notice if it is noticed that the delay occurred in any of the activities covered under the contract cannot be made good and will affect the overall work schedule. BECIL shall, in such an eventuality, revoke the Performance Bank Guarantee of the bidder. The decision of CMD, BECIL shall be final and binding.

11. INDEMNIFICATION:

Bidder agrees to indemnify BECIL from any and all claims, demands, losses, cause of action, damage, lawsuits, judgments, including attorneys' fees and costs, arising out of or relating to the supply.

12. ARBITRATION

- a.** If any dispute, difference, question or disagreement shall at any time, hereafter arise, between BECIL and bidder(s) hereto or the respective representatives or assignees in connection with or arising out of the tender document and bid(s) or in respect of meaning of specifications, design, drawings, estimates, schedules, annexure, orders, instructions the construction, interpretation of this tender document and bid (s), application of provisions thereof or anything hereunder contained or arising hereunder or as to the rights, liabilities or duties of BECIL and bidder(s) or any matter whatsoever incidental to this tender document and bid (s) or otherwise concerning the works of execution or failure to execute the same, whether during the progress or work of stipulated/extended period or before or after the completion or abandonment thereof, it shall be referred to the arbitrator appointed by the Secretary, Ministry of Information & Broadcasting, Government of India.
- b.** It is a term of the tender document that the party invoking arbitration shall specify the disputes to be referred to arbitration under the clause.
- c.** It is also term of the tender document that prospective contractor shall not stop the work and work shall continue as expected to continue whether the arbitration proceedings have commenced or not.
- d.** The arbitrator(s) shall give reasoned award in respect or each dispute or difference referred to him. The award as aforesaid shall be final and binding on all the parties in accordance with the law.
- e.** The Venue of the arbitration shall be at New Delhi (India) and language shall be English. Subject to as aforesaid, the provision of the Arbitration and Conciliation Act, 1996 and any

statutory modifications or re- enactments thereof and rules made there under, for the time being in force shall apply to the arbitration proceedings under this clause.

13. FORCE MAJEURE

In the event of award of contract either party being rendered unable by force majeure to perform any obligation required to be performed by them under the contract, if any concluded, the relative obligation of the part affected by such force majeure lasts. The terms "Force Majeure" as implied here in shall mean acts of God, War, Civil riots, fire directly affecting the performance of the contract, floods and Acts and Regulations of respective Government of the two parties,. Both upon the occurrence of such cause and upon its termination, the party alleging that it has been rendered unable as aforesaid, shall within seventy two hours of the alleged beginning and ending thereof giving full particulars and satisfactory evidence in support of its claim. If deliveries are suspended by force majeure conditions lasting for more than 2 (two) months, BECIL shall have the option of cancelling the contract in whole or part at its discretion without any liability on its part.

14. Jurisdiction

This tender document and future contract shall be construed, interpreted and applied in accordance with, and shall be governed by, the laws applicable in India. The courts at Delhi shall have the exclusive jurisdiction to entertain any matter arising out of or in relation to this tender document.

15. ELIGIBILITY CRITERIA

- a) The bidder must have an experience of analysis / Design of broadcasting tower not less than 100Mtr. high steel / RCC in the past 7 years. Documentary evidence to support this must be provided.
- b) The company should registered under Indian Company Act and relevant documents must be submitted with the bid.

16. COMMERCIAL TERMS AND CONDITIONS

Each bidder is required to accept the following terms and conditions:-

a.	Earnest Money	:	An EMD (for an amount as mentioned above) shall be deposited at the time of tender submission in the form of Account payee Demand Draft/Pay Order or from any Indian scheduled Commercial Bank drawn in favor of Broadcast Engineering Consultants India Limited payable at New Delhi.
b.	Tender Fee	:	Tender fee can be deposited through Account payee Demand Draft/Pay Order or from any Indian scheduled Commercial Bank drawn in favor of Broadcast Engineering Consultants India Limited payable at Delhi.
c.	Payment Terms	:	100 % Payments will be released after submission of safety certificate and duly approved analysis report by IIT/SERC
d.	Advance Payment	:	20% mobilization advance may be provided against submission of PBG for the same amount from any nationalized bank.
e.	Completion period	:	Four week after acceptance of the work order.
f.	Penalty for Delay	:	In case of delay in the completion of the work, the contractor shall have to pay a penalty @ Rs. 1000/- per day per site to maximum of 10% of the contract value after which BECIL may cancel the order and get the work completed at the risk and cost of the contractor.
g.	Special Instructions	:	The invoice shall be in the name of Respective Broadcasters through Broadcast Engineering Consultants India Ltd., (BECIL) and will be clearly mentioned at the time of placement of Work Order.

Quotation Form

1. For Doordarshan Tower at DDK, Lucknow:-

S. No.	Description	(Qty.)	Unit	Rate	Amount
1	<p>Scope of work:-</p> <p>A. Checking design of existing 175 Mtr. high steel towers taking into account of Existing BAND-IV/V UHF TV Antenna, Existing BAND-III VHF TV antenna, Existing BAND-I TV Antenna, new 16 Panel VHF FM Antenna for FM PH-III (Batch-I) for new Pvt. FM Broadcasters, RF cables, considering new wind, seismic and structural design code that includes static and dynamic analysis. (The available loading details of above antenna shall be shared at the time of award of the work)</p> <p>B. Checking design of foundation.</p> <p>C. Vetting of the design analysis and safety certificate for mounting new side mounted FM Antenna in one leg of the tower.</p> <p>D. Detail drawing for required modification if any and detailed drawing of antenna interface structure.</p> <p>Note: - The tower drawings are not available with BECIL. Therefore the bidder is required to prepare the same and necessary permission for physical checking can be provided by BECIL after award of work. BECIL will extend some help in this regards. However total responsibility will lies to the bidder.</p>	1	Job		
	Total				
	Taxes				
	Grand Total				

2. For Doordarshan Tower at DDK, Pune:-

S. No.	Description	Qty.	Unit	Rate	Amount
1	<p>Scope of work:-</p> <p>A. Checking design of existing 100 Mtr. High, Steel Tower, taking into account of Existing BAND-IV/V UHF TV Antenna, Existing BAND-III VHF TV antenna, new 10 Bay side mounted Antenna installed on Taper portion of tower and new 2X5" RF Cable for FM PH-III (Batch-I) for new Pvt. FM Broadcasters. Considering new wind, seismic and structural design code that includes static and dynamic analysis. (The available loading details of above antenna and other details shall be shared at the time of award of the work)</p> <p>B. Checking design of foundation.</p> <p>C. Vetting of the design analysis and safety certificate for mounting new side mounted FM Antenna in one leg of the tower.</p> <p>D. Detail drawing for required modification if any and detailed drawing of antenna interface structure.</p> <p>Note: - The tower drawings are not available with BECIL. Therefore the bidder is required to prepare the same and necessary permission for physical checking can be provided by BECIL after award of work. BECIL will extend required help in this regards. However total responsibility lies with the bidder.</p>	1	Job		
	Total				
	Taxes				
	Grand Total				

3. For All India Radio Tower at AIR, Kanpur:-

S. No.	Description	(Qty.)	Unit	Rate	Amount
1	<p>Scope of work:-</p> <p>A. Checking design of existing 100 Mtr. high steel towers taking into account of Existing side mounted “ AIR FM Antenna, Existing 16 Panel VHF FM Antenna for FM PH-III (Batch-I) for new Pvt. FM Broadcasters, RF cables, etc. for changing existing RF coaxial cable from 2 x 3-1/8” to RF coaxial cable of 2 X 5” of size for new Pvt. FM Broadcasters, considering new wind, seismic and structural design code that includes static and dynamic analysis. (The available loading details of above antenna shall be shared at the time of award of the work)</p> <p>B. Checking design of foundation.</p> <p>C. Vetting of the design analysis and safety certificate for mounting new side mounted FM Antenna in one leg of the tower.</p> <p>D. Detail drawing for required modification if any and detailed drawing of antenna interface structure.</p> <p>Note: - The tower drawings are not available with BECIL. Therefore the bidder is required to prepare the same and necessary permission for physical checking can be provided by BECIL after award of work. BECIL will extend some help in this regards. However total responsibility will lies to the bidder.</p>	1	job		
	Total				
	Taxes				
	Grand Total				

4. For All India Radio Tower at AIR, Aligarh:-

S. No.	Description	(Qty.)	Unit	Rate	Amount
1	<p>Scope of work:-</p> <p>A. Checking design of existing 100 Mtr. high steel towers taking into account of Existing side mounted “ AIR FM Antenna, Existing 8 Panel VHF FM Antenna for FM PH-III (Batch-I) for new Pvt. FM Broadcasters, RF cables, etc. for changing existing RF coaxial cable from 1 x 2-1/4” to RF coaxial cable of 1 x 3” of size for new Pvt. FM Broadcasters, considering new wind, seismic and structural design code that includes static and dynamic analysis. (The available loading details of above antenna shall be shared at the time of award of the work)</p> <p>B. Checking design of foundation.</p> <p>C. Vetting of the design analysis and safety certificate for mounting new side mounted FM Antenna in one leg of the tower.</p> <p>D. Detail drawing for required modification if any and detailed drawing of antenna interface structure.</p> <p>Note: - The tower drawings are not available with BECIL. Therefore the bidder is required to prepare the same and necessary permission for physical checking can be provided by BECIL after award of work. BECIL will extend some help in this regards. However total responsibility will lies to the bidder.</p>	1	Job		
	Total				
	Taxes				
	Grand Total				

5. For All India Radio Tower at AIR, Kozhikode:-

S. No.	Description	(Qty.)	Unit	Rate	Amount
1	<p>Scope of work:-</p> <p>A. Checking design of existing 100 Mtr. high steel towers taking into account of Existing side mounted “ AIR FM Antenna, Existing 8 bay side mounted FM antenna on taper portion FM PH-III (Batch-I) for Pvt. FM Broadcasters, RF cables, etc. for changing existing RF coaxial cable from 2 x 1-5/8” to RF coaxial cable of 2 x 2-1/4” of size for new Pvt. FM Broadcasters, considering new wind, seismic and structural design code that includes static and dynamic analysis. (The available loading details of above antenna shall be shared at the time of award of the work)</p> <p>B. Checking design of foundation.</p> <p>C. Vetting of the design analysis and safety certificate for mounting new side mounted FM Antenna in one leg of the tower.</p> <p>D. Detail drawing for required modification if any and detailed drawing of antenna interface structure.</p> <p>Note: - The tower drawings are not available with BECIL. Therefore the bidder is required to prepare the same and necessary permission for physical checking can be provided by BECIL after award of work. BECIL will extend some help in this regards. However total responsibility will lies to the bidder.</p>	1	job		
	Total				
	Taxes				
	Grand Total				

6. For All India Radio Tower at AIR, Jammu:-

S. No.	Description	(Qty.)	Unit	Rate	Amount
1	<p>Scope of work:-</p> <p>A. Checking design of existing 65 Mtr. high steel towers taking into account of Existing side mounted “ AIR FM Antenna, Existing 8 bay side mounted FM antenna on taper portion FM PH-III (Batch-I) for new Pvt. FM Broadcasters, RF cables, etc. for changing existing RF coaxial cable from 2 x 1-5/8” to RF coaxial cable of 2 x 3” of size for new Pvt. FM Broadcasters, considering new wind, seismic and structural design code that includes static and dynamic analysis. (The available loading details of above antenna shall be shared at the time of award of the work)</p> <p>B. Checking design of foundation.</p> <p>C. Vetting of the design analysis and safety certificate for mounting new side mounted FM Antenna in one leg of the tower by SERC/IIT.</p> <p>D. Detail drawing for required modification if any and detailed drawing of antenna interface structure.</p> <p>Note: - The tower drawings are not available with BECIL. Therefore the bidder is required to prepare the same and necessary permission for physical checking can be provided by BECIL after award of work. BECIL will extend some help in this regards. However total responsibility will lies to the bidder.</p>	1	job		
	Total				
	Taxes				
	Grand Total				

7. For All India Radio Tower at AIR, Rourkela:-

S. No.	Description	(Qty.)	Unit	Rate	Amount
1	<p>Scope of work:-</p> <p>A. Checking design of existing 52 Mtr. high steel tower taking into account all the existing antenna, including 2 BayX4 Side Panel FM antenna and new RF coaxial cable of 1 x3" size for FM PH-III (Batch-I) for new Pvt. FM Broadcasters. Considering new wind, seismic and structural design code that includes static and dynamic analysis. (The available loading details of above antenna and other details shall be shared at the time of award of the work)</p> <p>B. Checking design of foundation.</p> <p>C. Vetting of the design analysis and safety certificate for mounting new side mounted FM Antenna in one leg of the tower.</p> <p>D. Detail drawing for required modification if any and detailed drawing of antenna interface structure.</p> <p>Note: - The tower drawings are not available with BECIL. Therefore the bidder is required to prepare the same and necessary permission for physical checking can be provided by BECIL after award of work. BECIL will extend required help in this regards. However total responsibility lies with the bidder.</p>	1	job		
	Total				
	Taxes				
	Grand Total				

8. For All India Radio Tower at AIR, Muzaffarpur

S. No.	Description	(Qty.)	Unit	Rate	Amount
1	<p>Scope of work:-</p> <p>A. Checking design of existing 100 Mtr. High, guy wire supported steel tower, taking into account of Existing 8 bay side mounted FM antenna installed on taper portion and new RF coaxial cable of 2 x 2-1/4" for FM PH-III (Batch-I) for new Pvt. FM Broadcasters. Considering new wind, seismic and structural design code that includes static and dynamic analysis. (The available loading details of above antenna and other details shall be shared at the time of award of the work)</p> <p>B. Checking design of foundation.</p> <p>C. Vetting of the design analysis and safety certificate for mounting new side mounted FM Antenna in one leg of the tower.</p> <p>D. Detail drawing for required modification if any and detailed drawing of antenna interface structure.</p> <p>Note: - The tower drawings are not available with BECIL. Therefore the bidder is required to prepare the same and necessary permission for physical checking can be provided by BECIL after award of work. BECIL will extend required help in this regards. However total responsibility lies with the bidder.</p>	1	job		
	Total				
	Taxes				
	Grand Total				