

REQUEST FOR PROPOSAL (RFP)

FOR PURCHASE OF RF PLANNING TOOL

Reference No. BECIL/RF Tool/RFP/2016

(Dated: 29.11.2016)



Broadcast Engineering Consultants India Ltd.

(A Govt. of India Enterprises under Ministry of Information & Broadcasting)

(A Mini Ratna Company)

Head Office: 14-B, Ring Road, I.P. Estate, New Delhi -110002

Tel: 011-23378823 Fax: 23379885

Corporate Office: C-56/A17, Sector-62, Noida -201 307

Tel: 0120-4177850 Fax: 0120-4177879

Email: rbjagtap@becil.com Web: www.becil.com



BROADCAST ENGINEERING CONSULTANTS INDIA LIMITED

(A Govt. of India Enterprises – A Mini Ratna Company)

An ISO 9001:2008 Certified Company

Head Office: 14-B, Ring Road, I.P. Estate, New Delhi -110002, Tel.: 011-23378823 Fax: 23379885

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RFP No. BECIL/RF Tool/RFP/2016

S. No.	Description	Details
1.	RFP No.	No. BECIL/RF Tool/RFP/2016
2.	Date of Issue of RFP	30.11.2016
3.	Last date of Submission of RFP	15.12.2016 at 02:00 PM
4.	Date of opening of RFP	15.12.2016 at 02:30 PM
5.	Address of :- Purchase of RFP Document/Submission of RFP / Opening of RFP	Broadcast Engineering Consultants India Limited (BECIL) BECIL Bhawan, C -56, A/17, Sector – 62, Noida – 201307 (Uttar Pradesh) Ph. 0120 – 4177850 Fax. 0120 – 4177879
6.	Website	www.becil.com
7.	Cost of RFP Document (Non-Refundable)	Rs.10000/-

Ravindra Jagtap

Deputy General Manager (Project)

Broadcast Engineering Consultants India Limited (BECIL)

BECIL Bhawan, C – 56, A/17, Sector – 62, Noida – 201307 (Uttar Pradesh)

0120-4177871, 8130190433

1. About BECIL:-

Broadcast Engineering Consultants India Limited (BECIL) an ISO 9001:2008 certified, a Mini Ratna public sector enterprise of Government of India under Ministry of Information & Broadcasting, was established on 24th March, 1995 for providing consultancy services of International Standards for Broadcasting in transmission and production technology including turnkey solutions in the specialized fields of Terrestrial & Satellite Broadcasting, Cable and various IT related fields, including acoustics & Audio-Video systems & CCTV.

BECIL is the professional platform which caters to all aspects of projects related to TV, Radio, Communication and CCTV from concept to completion and from regulatory to realization.

2. RFP Notice:-

2.1 Broadcast Engineering Consultants India Limited (BECIL) invites sealed RFPs from interested OEM/Agencies for supply of RF Planning Tool.

2.2 The bidders are advised to submit their RFP in three sealed envelopes viz; Envelope-I, Envelope-II and Envelope-III super scribed "EMD for the RFP" on Envelope-I, "Technical Bid" on Envelope-II and "Commercial Bid" on Envelope-III. The envelopes must be sealed in another envelope and super scribed "RFP for Purchase of RF Planning Tool".

2.3 The RFP must be submitted at the below given name and address:

Dy. General Manager (Project)
Broadcast Engineering Consultants India Limited
BECIL Corporate Office, C-56/A-17, Sector-62
Noida-201307 (UP)

2.4 The RFP must be submitted in English or Hindi language only with a Font size of 12. All the documents including the supporting documents/enclosures etc. must be fully legible. Supporting documents if in a language other than English must be accompanied by a certified English translated document. The English version shall prevail in matters of interpretation. **RFP Documents which are not legible shall be rejected.**

2.5 Each bidder shall submit only ONE RFP. **Foreign OEM/Agency must bid through their Indian representative. Local representative must have authorization for bidding for this RFP.**

2.6 The bidder shall bear all costs associated with the preparation and submission of RFP and BECIL will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the RFP process.

2.7 In case the bidder has any doubt about the meaning of anything contained in the RFP document, she/he shall seek clarification within **7 days of issue of RFP**. Except for any written clarification by **Shri Ravinder Jagtap, Dy. General Manager (Project), BECIL**, no written or oral communication, presentation or explanation by any other employee of BECIL shall be taken to bind or fetter BECIL under the contract.

2.9 The Management of BECIL reserves the right to amend or withdraw any of the terms and condition mentioned in the RFP Document or reject any or all the bids without giving any notice or assigning any reason. The decision of the Chairman and Managing Director, Broadcast Engineering Consultants India Limited in this regard shall be final and binding on all.

2.10 Bidders shall have to submit (i) Non-Refundable amount for the cost of RFP document **Rs.10000.00 (Rupees Ten Thousand only)** and (ii) Refundable **Earnest Money Deposit (EMD) of Rs.50000/- only (Rupees Fifty Thousand Only) in the form of Demand Draft ONLY** drawn on any scheduled bank at Noida in favour of "**Broadcast Engineering Consultants India Limited**" Payable at Noida along with the bid. EMD of unsuccessful bidders shall be discharged without any interest after award of work to the successful bidder and signing of contract thereof.

2.11 The successful bidder will have to deposit a Performance Security Deposit for due and proper fulfilment of contract in the form of Account Payee Demand Draft (DD) or Bank Guarantee (BG) drawn in favour of "Broadcast Engineering Consultants India Limited." Payable at Noida, **5% of the value of price bid or Rs.2,00,000.00 (Rupees Two Lakhs) whichever is higher** within 15 days from the date of receipt of the formal copy of Work Order failing which the Work Order of the respective Vendor/Contractor can be cancelled with immediate effect. EMD of successful bidder shall be discharged after receipt and acceptance of the Performance Bank Guarantee towards full Security Deposit. Penalty of 0.1% will be levied for each day beyond 15 days on the value of price bid and recovered from EMD. The BG must be valid 120 days beyond the date of contract period.

2.12 Submission of RFP

- a. RFP, complete in all respects, must be submitted on or before the due date and time i.e. **15.12.2016 at 02:00 PM IST**. In the event of the specified date for the submission of RFP being declared a holiday, the RFP can be submitted by **02:00 PM IST** on the next working day for which BECIL will make necessary provisions.
- b. BECIL may, at its own discretion, extend the date for submission of RFP. In such a case all rights and obligations of BECIL and the Bidders shall be applicable to the extended time frame.
- c. As the RFP can be submitted only up to the defined date and time, there can't be any late bids. BECIL will not be responsible for any delay in obtaining the terms and conditions of the RFP.
- d. The bidders submitting their RFP through courier/by post should also ensure that their RFP are received on the said address by the stipulated date and time i.e. **15.12.2016 at 02:00 PM IST**. No time extension for couriers/sent by post shall be granted and BECIL will not be responsible for any postal delays/loss/non-receipt thereof.
- e. The RFP submitted by telex / fax / Email or any manner other than specified above will not be considered. No correspondence will be entertained on this matter.
- f. At any time prior to the last date for receipt of RFP, BECIL may for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the RFP Document by an amendment. The amendment will be notified on BECIL's website <http://www.becil.com> and should be taken into consideration by the prospective bidders while preparing their RFP.
- g. In order to give prospective bidders reasonable time to take the amendment into account in preparing their RFP, BECIL may at its discretion, extend the last date for the submission of RFP. No RFP may be modified subsequent to the last date for receipt of RFP.
- h. The bidders will bear all costs associated with the preparation and submission of their bids. BECIL will, in no case, be responsible or liable for those costs, regardless of the outcome of the RFP process.
- i. The RFP shall be ignored, if complete information is not given there-in, or if the particulars and data (if any) asked for are not filled in.

2.13 Opening of RFP

- a. BECIL shall convene a RFP opening session on **15.12.2016 at 02:30 PM IST** (as per BECIL's Clock). One representative from the bidders may participate. Authorization will be required for attending bid opening. The Envelope-I will be opened first and the Envelope-II will be opened only if EMD is found to be in order. The envelope-III shall be opened after the completion of technical evaluation.

3 Scope of Work:-

BROADCAST RADIO FREQUENCY NETWORK PLANNING TOOL

3.1 Basic description:

A module based software of radio network planning tool to cater to the needs for planning and evaluation of Radio & TV terrestrial broadcasting. Applications range from analogue/digital Sound broadcasting (MF & VHF bands) to analogue/digital TV, including mobile TV (VHF & UHF bands) for MFN and SFN operations.

3.2 Base Module:

- a) Field strength predictions and propagation modelling according to all the relevant ITU-R Recommendations in force. Percentages of time and locations for test points within service areas as per ITU-R recommendations.
- b) Applications of protection ratios, polarization discriminations and antenna directivity as per relevant ITU-R Recommendations.
- c) Terrain based propagation models including diffraction effects.
- d) Contour & interference calculations including network optimization using interference mitigation tools for fixed, portable and mobile receivers.
- e) Base module should also include geographical databases/different add-on layers for population density, state/ country boundaries for India (with option for availability for other countries on demand) and background maps for presentation. Supported map file formats e.g., PDF, EMF, EPS, AI, SVG, BMP, JPEG, PNG, TIFF, GIF, KML to be indicated.
- f) Terrain data base (both vector and raster) resolution of 300 meters (optional 100 meters) per pixel with height resolution of 50 meters (optional 20 meters).
- g) Import & export of transmitter/frequency/antenna data bases: i) locally generated and b) ITU-BR MIFR.

3.3 MF Module:

- a) Frequency range: 530 KHz to 1605 KHz.
- b) Ground wave propagation modelling considering conductivity and permittivity for fixed and average paths.
- c) Sky wave propagation modelling including polarization coupling loss, Sea gain, Magnetic influence of the earth, solar activity (Sun Spot number), ionospheric absorption and losses etc.
- d) Co-ordination procedures according to ITU LF/MF Plan-75 (GE 75)(with updates).
- e) Transmission: i) analogue AM and b) DRM 30 (Modes A,B,C & D).

3.4 VHF Module (Frequency range: 87.5 MHz to 108 MHz):

3.4.1 FM:

- a) Option for application of ITU Geneva Agreement GE 84.
- b) Co-channel and adjacent channel evaluations.

3.4.2 DRM+:

Applications for DRM+ (Mode E) (System G of ITU-R Rec. BS. 1114).

3.5 Analogue TV module:

- a) Operating frequency bands: VHF Bands I/III, UHF Bands IV/V.
- b) TV standards: PAL B/G

3.6 Digital TV module:

- a) Operating frequency bands: VHF Bands I/III, UHF Bands IV/V.
- b) DTV standard: DVB-T2 (Base & Lite), all applicable profiles.
- c) Application of GE-06 Agreement for Region and Countries covered under the Geneva Agreement.

3.7 Operating system:

- a. Windows based operating system Windows 8.1/ Windows 10 (32 and 64 bits) .
- b. CPU: 3 GHz or more
- c. RAM: 8 GB
- d. Hard drive: 500 GB or more
- e. Monitor: 24" TFT. (or more)

3.8 Training & Installation:

- a) Installation to be done at user's premises.
- b) Training at user's premises for 3 days.

3.9 Maintenance & software support/updates:

- a) Free: One year from the date of installation.
- b) Cost for subsequent year's (minimum 5 years) to be indicated giving year wise breakup.

3.10 License/Hardware key:

- a) Single User.
- b) Option to use single user license in Networked PC or Server.
- c) Optional quote for multi-user to be indicated.

3.11 Demonstration of software for evaluation:

For the purpose of evaluation of the proposal, the capabilities of the software need to be demonstrated at BECIL premises.

4. Supplier code of conduct and business ethics

BECIL is committed to its 'values & beliefs' and business practices to ensure that companies and suppliers, who supply goods, materials or services, will also comply with these principles.

4.1 Bribery and corruption:

Suppliers are strictly prohibited from directly or indirectly (through intermediates or subcontractors) offering any bribe or undue gratification in any form to any person or entity and / or indulging in any corrupt practice in order to obtain or retain a business or contract.

4.2 Integrity, indemnity & limitation:

Suppliers shall maintain high degree of integrity during the course of its dealings with business/contractual relationship with BECIL. If it is discovered at any stage that any business/contract was secured by playing fraud or misrepresentation or suspension of material facts, such contract shall be voidable at the sole option of the competent authority of BECIL. For avoidance of doubts, no rights shall accrue to the supplier in relation to such business/contract and BECIL or any entity thereof shall not have or incur any obligation in respect thereof. The supplier shall indemnify BECIL in respect of any loss or damage suffered by BECIL on account of such fraud, misrepresentation or suspension of material facts.

4.3 Reporting Misconduct:

Suppliers are required to report any misconduct/violations/improper demands from BECIL employees to the Chief Vigilance Officer/Director (O&M)/CMD. All communication in this regard should be directed only to above as per below mentioned email ids;

Chairman and Managing Director : george@becil.com

No Communication shall be encouraged to any other authority / external sources in this regards.

5. Qualification / Eligibility Criteria for the Bidders

Bidder is required to fulfil all the condition of Qualification/ Eligibility Criteria and in case any of condition is not met, RFP will be rejected)

- 5.1 The bidder should be registered under Indian Companies Act. A copy of registration should be submitted along with the taxation detail if any. The company must be in existence for a minimum of 10 years in related field(s). **Details have to be furnished in the form of documents.**
- 5.2 Bidder should comply with the code of integrity as specified in the RFP document (**Self declaration on letter head**).
- 5.3 The Bidder Should not be insolvent, in receivership, bankrupt or being wounded up, not have its affairs administered by a court or a judicial officer, not have its business activities suspended and must not be the subject of legal proceeding for any of the foregoing reasons. **A solvency certificate from bank may be submitted in this regard.**
- 5.4 The net worth of the company should not be negative and should **submit net worth certificate as certified by the statutory auditors.**
- 5.5 The bidder must have experience of atleast 10 years in the specific activity and must have successfully executed atleast one contract in this product in the last two (2) Years. Must have supplied atleast one similar tool in the government department in India. **Documentary proof such as copy of order / completion certificate is required.**
- 5.6 The bidder should have annual turnover of not be less than **Rs.2,00,00,000/-(Rupees Two Crore)** in each of the last three completed Financial Years (i.e. 2015-16, 2014-15 & 2013-14). Current Financial Year (2016-17) will not be considered. **Documentary proof is required.**
- 5.7 The Bidder must have **valid ISO Certification** for the Financial Year 2016-17. **Documentary proof is required.**
- 5.8 Undertaking (on Non Judicial stamp paper of Rs.100/-, duly Notarized) that the Bidder has **neither been boycott nor blacklisted by any of its clients and there is no litigation pending against it with any of the clients in the past three years.**
- 5.9 The Bidder must provide a list of clients/customers with contact details such as postal address, landline phone no. & cell phone no. and e-mail id where services has been provided in the last five years (2015-16, 2014-15, 2013-14, 2012-13 & 2011-12) in the format given at **ANNEXURE-I.**
- 5.10 **The bidder has to give an undertaking in the format provided in Annexure-II**
- 5.11 The Bidder should **provide proof of registration** for:
 - a) Company Registration Certificate
 - b) TIN/VAT No.

6. GENERAL TERMS AND CONDITIONS:-

- 6.1 On written communication from BECIL for having qualified for empanelment, the successful bidder will sign the Contract Agreement stipulating all the terms and conditions of the contract within 7 days of such communication, failing which the offer will be treated as withdrawn and EMD forfeited.
- 6.2 The selected bidder will not, without BECIL's prior written consent, disclose the Contract, or any provision thereof, to any person other than a person employed by the contractor in the Performance of the Contract.
- 6.3 **The payment shall be released as per the terms and conditions mentioned in the contract.** The bills should be accompanied by the certificates as BECIL may prescribe from time to time. Taxes as applicable at prevailing rate will be deducted at source.
- 6.4 The Contract cannot be transferred or assigned by the Contractor to any Sub-company/Agency without the prior written approval of BECIL.
- 6.5 In any time during the Contract, either party is subject to **force majeure**, which can be termed as civil disturbance, riots, strikes, tempest; acts of God etc. which may prevent either party to discharge their obligation, the affected party shall promptly notify the other party about the happening of such event. Neither party shall by reason of such event be entitled to terminate the contract in respect of such performance of their obligations. The performance of the obligations under the contract shall be resumed as soon as practicable after the event has come to an end or ceased to exist. If the performance of any obligation under the contract is prevented or delayed by reason of the event beyond a periods mutually agreed to, if any, or seven days, whichever is more; either party may at its option terminate the contract.

7. SELECTION PROCESS

The following criteria and point system will be followed for the award of contract:

S. No.	Criteria	Maximum Marks	Evaluation Process
STEP-1: TECHNICAL BID			
Part (i): Pre-qualification Criteria			
A.	Registration under Indian Companies Act + TIN/VAT	5	Documents to be verified. In case any of the one is missing/wrong, marks will be given as zero.
B.	Experience of 10 years	5	Documents to be verified.
C.	Supplied to atleast one government department in India	10	Documents to be verified.
D.	Total Turnover of Rs.2 Crore.	10	Documents to be verified.
Part (ii): PERSONAL INTERVIEW			
A.	Demonstration	40	The marks shall be awarded by the Committee.
TECHNICAL SCORE		70	
STEP-2: COMMERCIAL BID			
A.	Commercial Quote	30	As per the financial bid evaluation method described below.
TOTAL SCORE		100	

Financial Bid Evaluation:

Financial Bids of technically qualified bidders will be opened and evaluated based on the criterion explained below.

Financial Score of Individual Bidder = (Lowest Bid Amount / Bid Amount of individual Bidder) x 30

ii. For the QCCB (Quality Cum Cost Based) evaluation, the combined score will be calculated as follows:

Total Score = Technical Score (Out of 70) + Financial Score (Out of 30)

The highest scoring bidder will qualify for the award of contract.

SELF DECLARATION FOR THE CODE OF INTEGRATY

(To be included in the RFP)

I/We shall maintain a high degree of integrity during the course of my/our dealings business/contractual relationship with BECIL. If it is discovered at any stage that any business/ contract was secured by playing fraud or misrepresentation or suspension of material facts, I/We authorize BECIL to term such contract as voidable at the its sole option.

Place: _____

**Signature of Authorized Signatory
on behalf of Agency**

Date: _____

Address: _____

Mob: _____

Email ID: _____

ANNEXURE- I

LIST OF CLIENTS

S. No.	Name of Client	Period of Contract	Value of contract (in INR)	Name/Designation of Contact person	Telephone/Mobile number

Signature:

Name & Designation of the Authorized Signatory:

Seal of the Organization:

Date:

Place:

ANNEXURE- II

UNDERTAKING & ACCEPTANCE LETTER BY THE CONTRACTOR
(To be included in the RFP)

I/We have carefully gone through the various terms and conditions listed in the RFP (Technical & Price Bid) for Supply of RF Planning Tool. I/We agree to all these conditions after carefully reading the conditions and understanding the same without any kind of pressure or influence from any source whatsoever. I/We hereby sign this undertaking in token of our acceptance of various conditions listed in the RFP document.

Place: _____

**Signature of Authorized Signatory
on behalf of Agency**

Date: _____

Address: _____

Mob: _____

Email ID: _____