

EXPRESSION OF INTEREST

(EOI)

FOR

THE EMPANELMENT OF AGENCIES FOR BUSINESS INTELLIGENCE AND DATA ANALYTICS SOFTWARE AND RELATED MAN POWER

ReferenceNo. BECIL/IT&Mfg./BI&DA/01

(Dated: 09/05/2019)



ब्रॉडकास्ट इंजीनियरिंग कंसल्टेंट्स इंडिया लिमिटेड
(यू.के.ए. एवं प्रसारण मंत्रालय के अधीन-भारत सरकार का उद्यम) (मिनि रत्ना कंपनी) (CIN - U32301UP1995GOI017744)
BROADCAST ENGINEERING CONSULTANTS INDIA LIMITED
(A Government of India Enterprise - Under Ministry of Information & Broadcasting) (A Mini Ratna Company)
पंजीकृत एवं बहिर्देश कार्यालय : बेसिल मदन, सी-56/ ए-17, सेक्टर-62, नोएडा-201307 (उ.प्र.), फोन : +91 120 4177850, फैक्स : +91 120 4177879
Registered & Corporate Office : BECIL BHAWAN, C-56/A-17, Sector-62, Noida-201307 (U.P.), Tel. : +91 120 4177850, Fax: +91 120 4177879



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: 120-4177879

Email: contactus@becil.com ,Website: www.becil.com



BROADCAST ENGINEERING CONSULTANTS INDIA LIMITED

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

An ISO 9001:2008 Certified Company

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Fax: 120-417787

S.No	Description	Details
1.	EOI NO	BECIL/IT & Mfg./BI&DA/01
2.	Date of Issue of EOI	09/05/2019
3.	Last date of Submission of EOI	23/05/2019 till 1:00 P.M.
4.	Date of opening of EOI	23/05/2019 till 2:30 P.M.
5.	Address of: Purchase of EOI Document/ Submission of EOI / Opening of EOI	Broadcast Engineering Consultant Limited (BECIL) BECIL Bhawan, C -56, A/17, Sector – 62, Noida – 201307 (Uttar Pradesh) Ph. 0120 – 4177850 Fax. 012.0 – 417787
6.	Website	https://becil.euniwizarde.com , www.becil.com
7.	Cost of EOI Document	Rs.10,000/- In the form of DD in favour of Broadcast Engineering Consultants India
8.	Processing Fee	Rs.3000/-+18%GST through e-payment gateway available on e-tendering website.
9.	Contact details of ITI	Mr.Sambesh:9355030634 Mr.Navneet:9560364871 Mr.Nehal:8800991855
10.	Help Desk of ITI	011-49606060(From10:00hrs to 18:00hrs)
11.	Period of Empanelment	2 Years

Sh. Mazhar Umer
General Manager (IT& Manufacturing)

ABOUT BECIL:

- 1.1. 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, Manufacturing and various Information Technology (IT) related fields, including security, surveillance, acoustics & audio-video systems and smart cities.
- 1.2. BECIL is the professional platform which caters to all aspects of projects related to TV, Radio, Communication, IT, Security, Security and Manufacturing from concept to completion and from regulation to realization.

Part I-General Information

1. Complete EOI document can be download from e-Tender portal of BECIL <https://becil.euniwizarde.com> and www.becil.com.
2. Technical Bid will be submitted concurrently duly digitally signed on the website <https://becil.euniwizarde.com>.
3. 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.
4. Tender fee 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 56A/17, Block 'C', Noida-201307 (UP)** before scheduled time on prescribed tender opening date. Hard copy of any other tender document shall not be accepted.

2. EOI NOTICE:

2.1. Broadcast Engineering Consultants India Limited (BECIL) invites online/**e-tender** Expression of Interest (EOI) from agencies having proven experience and ability in the area of Business Intelligence and Data Analytics Software and related Man Power.

The bidders are advised to submit single sealed envelope super scribed "Payment for EOI Document".

The "Technical Bid" contains Technical document towards eligibility criteria are to be submitted through e-tender.

The Payment for EOI Document envelope must be submitted at the below given name and address:

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

2.2. The EOI must be submitted in English or Hindi language only with a font size of 12. All the document 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. EOI documents which are not legible shall be rejected

2.3. Each bidder shall submit only ONE EOI either by herself/himself. **Consortiums are not allowed. If a bidder or any of the partners participate in more than one EOI, the EOIs are liable to be rejected.**

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

2.5. In case the bidder has any doubt about the meaning of anything contained in the EOI document, she/he shall seek clarification within 7 days of issue of EOI. Except for any written clarification by **Shri Mazhar Umer, GM (IT& Manufacturing), BECIL** via email to mazhar.umer@becil.com, 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.

2.6. Bidders shall have to submit an amount of INR10000/- (Rupees Ten Thousand Only) in the form of Demand Draft drawn on any scheduled bank at Noida in favour of " Broadcast Engineering Consultants India Limited" Payable at Noida

along with the EOI towards the cost of EOI processing and no other mode of payment is acceptable. EOI Document is also available at BECIL Office: C-56/A17, Sector-62, Noida-201307. The processing fees of EOI document is non-refundable.

2.7. The Management of BECIL reserves the right to amend or withdraw any of the terms and conditions mentioned in the EOI 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.

2.8. Cross Subsidy across product or services is not allowed

3. Submission of EOI

3.1. EOI, complete in all respects, must be submitted on or before the due date and time i.e. 23/05/2019 1:00 PM IST). In the event of the specified date for the submission of EOI being declared a holiday, the EOI can be submitted by 1:00 PM IST on the next working day for which BECIL will make necessary provisions.

3.2. BECIL may, at its own discretion, extend the date for submission of EOI. In such a case all rights and obligations of BECIL and the Bidders shall be applicable to the extended time frame

3.3. As the EOI 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 EOI.

3.4. At any time prior to the last date for receipt of EOI, BECIL may for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the EOI Document by an amendment. The amendment will be notified on BECIL's website <https://becil.euniwizarde.com> or <http://www.becil.com> and should be taken into consideration by the prospective bidders while preparing their EOI.

3.5. In order to give prospective bidders reasonable time to take the amendment into account in preparing their EOI, BECIL may at its discretion, extend the last date for the submission of EOI. No EOI may be modified subsequent to the last date for receipt of EOI.

3.6. The EOI 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.

4. Opening of EOI

The envelope containing “Fee for EOI document” would be opened first and if the fee is found as per EOI notice then the “technical documents towards eligibility criteria” would be opened **online** on the time and date mentioned above.

5. Objective

Business Intelligence and Data Analytics (BI&DA) Software can help every organisation to effectively analyse their performance/ resources/ assets/ staff/ infrastructure and respond to the compliance demands efficiently. These solutions can also help in reducing operational risk and expenses resulting in improved services delivering efficiency. Some key benefits of using BI&DA solutions includes (but not limited to):

- a. Improved Service delivery efficiency.
- b. Efficient use of staff, assets, resources and infrastructure.
- c. Identify the hidden trends, patterns for prediction analysis.
- d. Reduce the cost of operation associated with multiple systems, growing information footprint and manual processes.
- e. Use analytics to increase effective decisions while mitigating operational risk.
- f. Improve information sharing and collaboration between departments.
- g. Support open and accountable governance, security and compliance.
- h. Analysis report generation/Monitoring.

Therefore, BECIL wishes to explore business opportunities in BI&DA solutions to address critical challenges for impacted by the processing of vast amount of data, either structured, semi-structured or unstructured.

- **When there is any business opportunity with BECIL then it will be executed on competitive pricing with best quality products or services as desired by end customer.**
- **Any business opportunity generated by partners shall be executed with respective partner as per customer requirements.**
- **Only those business opportunities shall go for tender among empanelled vendors, which are developed by BECIL.**
- **BECIL shall secure its profit margins in all the cases.**

6. Scope of Work

a. To design and implement a BI/DA solution/platform with analytical capabilities and to support different data sources (structured, semi-structured and unstructured).

b. It will involve software modules such as (but not limited to):

- i.** Monitoring console.
- ii.** The Reporting tools.
- iii.** Data Visualization.
- iv.** Data Migration.
- v.** Built-in ETL capabilities.
- vi.** Notification module.
- vii.** User friendly GUI (customizable).
- viii.** Cross platform compatibility.
- ix.** Real time Analysis.
- x.** Ability to extend or integrate advanced analytics components.
- xi.** Ability to connect with Big data components.
- xii.** Security/Authentication Module.

c. Depending upon the detailed requirements of BECIL, multiple analytics projects may be initiated.

d. Full time Technical Manpower Resource is required for successful execution of customer projects.

7. Project Execution Activities

- a)** Validation of data received from data source systems. The empanelled Agency(s)' would validate data's prescribed format and consistency of data
- b)** Data Quality Management through data cleansing (structured/unstructured/semi-structured data sets)

The data needs to be cleansed, data inconsistency needs to be identified (if any) and incorrect data needs to be highlighted. The similar set of activities shall be required to be undertaken on the sample data provided to the Agency.

i. Detection of inconsistencies in the database.

ii. Detection and highlighting of incorrect information (logical checks on data eg. Age, name and gender, Property Information, etc.)

c) Extraction of data from unstructured/ semi-structured data & data cleansing. Data is available and useful is both structured and semi-structured/unstructured (PDF documents etc.).

d) Standardization of data and defining datasets

The empaneled Agency(s)' shall enable standardization of the data. This track shall be significantly important as the data might have different masters, different formats, different syntax, etc. The outcome of the track shall be to ensure that standardized data shall be loaded in the data warehouse with master. Following activities shall be performed:

i. Creation of standardized data based on the provided dataset.

ii. Preparation of Identical data set for BI/DA processing.

iii. Recommendations on standardization of data for further analysis.

e) Business Intelligence Reporting

Participating agency shall be responsible for creating the BI report. Following activities shall be performed as part of this track:

i. MIS and Dashboard reports generated from this data repository.

ii. Customization of report based on user requirement based on discussions.

iii. Propose a methodology for determination of collector guidelines and projection of the same in the medium and long term.

iv. Report on different types of analysis and findings.

v. Analysis of data for performance evaluation reports of BECIL employees and outsource agencies involved in e-registration process.

8. Qualification / Eligibility Criteria for Bidders

Pre-Qualification Criteria (PQ)

#	Eligibility Criteria	Supporting documents for fulfilling the Eligibility Criteria
1.	Bidder should be a registered entity with Department of Registrar of Companies registered in India under the Companies.	Copy of the Registration with taxation Department/ Certificate of incorporation should be submitted.
2.	Bidder should have experience in handling large scale DA&BI development projects in India for at least 5 (five) Years till 31 st March 2019.	Copy of the supporting documents (Order) should be submitted till 31 st March 2019.
3.	Bidder should have an average annual turnover of Rs. 40.00 Crore (Forty Crore) and above in the last three (2015-2016, 2016-2017, 2017-2018) audited financial years.	Copies of the Audited balance sheet for the last 3 financial years should be submitted. Certificate from the Chartered Accountant should be enclosed with positive Net worth in the last three financial years of 2015-2016, 2016-2017 and 2017-2018. Copy of the ITR for the last 3 years should be submitted.
4.	The Bidder should not hold any sanction/ Black-listing by any Government/ Quasi government agency or any Multi- Lateral Donor Body (World Bank, ADB, JICA, etc.) during the past 3 (three) years (even if the sanction / black-list was subsequently withdrawn).	Self-declaration Certificate should be submitted.
5.	The Bidder should be at least ISO 9001:2008, with at least CMMI level 3 and should have at least applied for ISO 27001:2015/27001:2011.	.Certificate from authorized agency.
6.	The Bidder should have successfully executed cumulative order of at least 20 Crore Government/PSU projects in the last 3 (three) years in DA&BI field.	Copy of said order and along with completion.
7.	The bidder should have a minimum of 50 experienced professionals capable of developing and maintaining end to end Web, Mobile and embedded Application and analytics solutions.	The bidder should submit a declaration/ Certificate from its HR.
8.	The lead bidder should have office in Delhi/NCR. If not, the bidder will setup an office in Delhi/NCR within 30 days of award of contract.	Relevant copy of Rent/Lease agreement Or Self Certificate declaring that the bidder will abide by this point.
9.	The bidder (all consortium members) should have GST registration.	Copy of Valid GST Certification.

Technical Qualification Criteria (TQ)

#	Eligibility Criteria	Max Marks
1	The bidder has prior experience in DA&BI Projects in India Experience 10 Years and above : 20 Points Experience >= 7 Years & up to 10 years: 15 Points Experience >= 5 Years & up to 7 years: 10 Points	20
2	The bidder has implemented or deployed DA&BI Projects across Government/PSU in India in last 3 years of Cumulative Project Value >= 20 Crore & up to 25 Crore: 10 Points >= 25 Crore & up to 30 Crore: 15 Points 30 Crore and above : 20 Points	20
3	The bidder must have valid Certificates for ISO 27001 & ISO 9001 + CMMi Level 5 : 20 Points ISO 27001 & ISO 9001 + CMMi Level 3 : 15 Points	20
4	The average annual turnover of the Bidder in the last 3 financial years (2015-16, 2016-2017 & 2017-2018) in India. >= 40 Crore & up to 45 Crore: 10 Points >= 45 Crore & up to 50 Crore: 15 Points 50 Crore and above : 20 Points	20
5	The Bidder should have experienced Professional Man Power capable of executing DA&BI projects >= 50 & up to 75 : 10 Points >= 75 & up to 100 : 15 Points 100 and above : 20 points	20
Total		100

Evaluation Criteria

Bidders who scores 75 Marks [i.e. minimum required marks] and above will be considered for further evaluation process. BECIL will evaluate the agencies based on the supporting documents and weightages assigned to pre-qualification and technical criteria respectively to finalize the empanelled agencies.

8. Bidder code of conduct and business ethics

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

8.1. Bribery and corruption:

Bidder 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.

8.2. Integrity, indemnity & limitation:

Bidder 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 Bidder in relation to such business/contract and BECIL or any entity thereof shall not have or incur any obligation in respect thereof. The bidder shall indemnify BECIL in respect of any loss or damage suffered by BECIL on account of such fraud, misrepresentation or suspension of material facts.

8.3. Reporting Misconduct:

Bidders 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 regard.

SELF DECLARATION FOR THE CODE OF INTEGRITY

(on Bidder's Letter Head)

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 : _____

Mobile : _____

Email ID: _____

ANNEXURE 1

**UNDERTAKING & ACCEPTANCE LETTER BY THE BIDDER
(On Bidder's Letter Head)**

I/We have carefully gone through the various terms & conditions and Scope of Work listed in the EOI for "**THE EMPANELMENT OF AGENCIES FOR Business Intelligence and Data Analytics Software and related Man Power**". I/We agree to all these conditions and offer to provide our services/product for BECIL and submitting this EOI 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 EOI Document.

Place:

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

Date : _____

Address : _____

Mobile : _____

Email ID: _____