



EXPRESSION OF INTEREST (EOI)

FOR

SELECTION OF SYSTEM INTEGRATOR FOR INTEGRATED VEHICLE ENTRANCE CONTROL SOLUTION AT THE RESIDENCE OF HON'BLE CHIEF MINISTER UTTARPRADESH, 5-KALIDAS MARG, LUCKNOW

Reference No. BECIL/PROJ./GM/IVECS/IG SECURITY/ UP/2023

Dated 10th October, 2023

 <p>बेसिल BECIL</p>	<p>BROADCAST ENGINEERING CONSULTANTS INDIA LIMITED</p> <p>Head Office: 14-B, Ring Road, I.P. Estate, New Delhi -110002 Tel: 011-23378823, Fax: 011-23379885</p> <p>Corporate Office: C-56/A17, Sector-62, Noida -201 307 Tel: 0120-4177850 , Fax: 120- 4177879</p>	 <p>G20 भारत 2023 INDIA</p>
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DISCLAIMER

The information contained in this Expression of Interest document (the "EOI") or subsequently provided to Bidder(s), whether verbally or in documentary or any other form by or on behalf of BECIL or any of its employees or advisors, is provided to Bidder(s) on the terms and conditions set out in this EOI and such other terms and conditions subject to which such information is provided. This EOI is not an agreement and is neither an offer nor invitation by BECIL to the prospective Bidders or any other person. The purpose of this EOI is to provide interested parties with information that may be useful to them in making their offers (Bids) pursuant to this EOI. This EOI includes statements, which reflect various assumptions and assessments arrived at by BECIL in relation to the Project. Such assumptions, assessments and statements do not purport to contain all the information that each Bidder may require. This EOI may not be appropriate for all persons, and it is not possible for BECIL, its employees or advisors to consider the investment objectives, financial situation and particular needs of each party who reads or uses this EOI. Each Bidder should, therefore, conduct its own investigations, actual site/ facilities/location inspections and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments, statements and information contained in this EOI and obtain independent advice from appropriate sources. Information provided in this EOI to the Bidder(s) is on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. BECIL accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on law expressed herein. BECIL, its employees and advisors make no representation or warranty and shall have no liability to any person, including any Applicant or Bidder under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this EOI or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the EOI and any assessment, assumption, statement or information contained therein or deemed to form part of this EOI or arising in any way for participation in this Bid Stage. BECIL also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any Bidder upon the statements contained in this EOI. BECIL may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this EOI. The issue of this EOI does not imply that BECIL is bound to select a Bidder or to appoint the Selected Bidder for the Project and BECIL reserves the right to reject all or any of the Bidders or Bids without assigning any reason whatsoever. The Bidder shall bear all its costs associated with or relating to the preparation and submission of its Bid including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by BECIL or any other costs incurred in connection with or relating to its Bid. All such costs and expenses will remain with the Bidder and BECIL shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by a Bidder in preparation or submission of the Bid, regardless of the conduct or outcome of the Bidding Process.

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SECTION - I

I. NOTICE INVITING EXPRESSION OF INTEREST

BECIL is interested to submit a competitive bid in response to End Client's Tender No. as mentioned below:

Tender No. GEM/2023/B/3722691 Dated 20-07-2023 - For SITC of Integrated Vehicle Entrance Control Solution (Q3) at the Residence Of Hon'ble Chief Minister Uttar Pradesh, 5-Kalidas Marg, Lucknow.

Tender floated by IG Security, Security Department, Home Department Uttar Pradesh, Police Department (IG Security).

BECIL invites proposal from Executing Partner/Technology Partner who wish to collaborate for jointly bidding for said tender/bid. on or before 13th October, 2023 by 16:00 Hrs.

II. INTRODUCTION

IG Security, Security Department, Home Department Uttar Pradesh, Police Department (IG Security) invites bids through Gem portal. BECIL has participated in the tender for SITC of INTEGRATED VEHICLE ENTRANCE CONTROL SOLUTION AT THE RESIDENCE OF HON'BLE CHIEF MINISTER UTTARPRADESH, 5-KALIDAS MARG, LUCKNOW.

III. INTENT OF EXPRESSION OF INTEREST

The Intent of this Expression of Interest is (EOI) to select the System Integrator who wish to collaborate for jointly bidding for said tender/bid.

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, Media and various Information Technology (IT) related fields, including security & surveillance, acoustics & audio-video systems and smart cities. BECIL provides tailor-made solution for unique requirement ranging from Concept to Commissioning.

This EOI is floated for selection of the Executing Partner/Technology Partner ready to work in the above projects with BECIL on exclusive basis.

Submission of Online Bids is mandatory for this EOI. Prospective bidders need to submit their bids with the most competitive Technical and Commercial offer for the aforementioned work each zone. EOI document is available on BECIL website (<http://becil.com>) & Ewizard (<http://becil.euniwizard.com>).

IV. IMPORTANT DATES

EOI SCHEDULE AND CRITICAL DATES

S.N.	ACTIVITY	SCHEDULED DATE & TIME
1.	EOI Issue to Prospective bidder/Implementation Agency(s)	BECIL/PROJ./ IVECS/IG SECURITY/ UP/2023 Dated 10 th October, 2023
2.	Date and Time for Submission of bids	Upto 16:00 Hrs. on 13 th October , 2023
3.	Date and Time for Opening of Bids	Online on 16:30 Hrs. on 13 th October , 2023
4.	Availability of Document	https://www.becil.com , https://becil.euniwizarde.com
5.	E-tender Portal Registration Fee (Non-refundable)	INR 2360/- (inclusive of taxes) (non-transferrable & non-refundable) payable through online e-Portal.
6.	E-tender Portal Fee (Non-refundable)	INR 3,540/- E-tender Portal Fee (non-transferrable & non-refundable) payable through online e-Portal
7.	EOI document Fee (Form Fee) (Non- Refundable)	INR 1,180/- Form Fees (non-transferrable & non-refundable) payable through online e-Portal.
8.	Earnest Money Deposit (EMD Refundable)	Exempted
9.	ePBG Detail	In the event of the award of the contract, BG/PBG will be submitted by BECIL to the customer @ 3% and BG/PBG of equivalent amount will be submitted to BECIL on back to back basis by the bidders.
	ePBG Percentage(%)	3.00
	Duration of ePBG required (Months)	38
10.	Gem Portal Fee	In the event of the award of the contract, GeM portal Fee will be submitted by BECIL to the customer and equivalent amount will be submitted to BECIL on back to back basis by the bidder.
11.	Bid Offer Validity	180 (Days)
12.	Item Category	Integrated Vehicles Entrance Control Solution (Q3)
13.	Estimated Bid Value	INR 19,90,00,000/-
14.	Minimum Average Annual Turnover of the bidder (For 3 Years)	199 Lakh (s)

15.	OEM Average Turnover (Last 3 Years)	1327 Lakh (s)
16.	Years of Past Experience Required for same/similar service	3 Year (s)
17.	Past Performance	30 %
18.	Document Required from seller	Experience Criteria, Past Performance Bidder Turnover, Certificate (Requested in ATC), OEM Authorization Certificate, OEM Annual Turnover, Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
19.	Address for Communication of bids	BECIL Bhawan, C-56 / A -17, Sector - 62, Noida - 201 307.
20.	Contact details of BECIL	R.B Jagtap (General Manager, BECIL) E-mail-rbjagtap@becil.com ; Bipin Pandey(Deputy General Manager, BECIL) E-mail-bipin.pandey@becil.com Mobile No:-9999005426 Preeti Chaudhary (Manager, BECIL) Email : preeti.chaudhary@becil.com Mobile No:-8130190448
21.	Contact details of ITI	Mr. Anshuman : +91-9355030616 Mr. Awesh Tyagi: 9205898224 Mr. Bhuneshwar: 9205898226 Mr. Nehal: 8800991855
22.	Help Desk of ITI	011-49606060 (From 10:00Hrs to 18:00 Hrs)

Broadcast Engineering Consultants India Ltd. reserves the right to amend the EOI tentative schedule and critical dates. Bidders are advised to inspect the site and ascertain the conditions including leads/ lifts involved/approach to vehicles, power, water geo-political scenario etc. prior to quoting.

V. GENERAL INFORMATION

- a) Complete EOI document can be download from e-Tender portal of BECIL <https://becil.euniwizard.com> and www.becil.com. The Submission mode of the bid is Online.
- b) 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.

c) INSTRUCTIONS FOR E-TENDERING PORTAL OF BECIL

i. E-TENDER PORTAL FEE :

The bidder/OEM/Implementation Agency has to pay a non-refundable e-tender portal fee amounting to ₹ 3540/- (Non-refundable) by way of on-line payment on e-tender portal before submission of the proposal.

ii. SUBMISSION OF THE PROPOSAL

The Bidder/OEM/Implementation Agency are advised to study the EOI document carefully. Submission of proposals shall be deemed to have been done after careful study and examination of the EOI document with full understanding of its implications. Bidder/OEM/Implementation Agency(s) shall have to submit their proposal (Technical and Financial) online through the e-tendering website <https://becil.euniwizarde.com>.

iii. E-TENDERING PROCEDURE

- a) E-Procurement is the complete process of e-tendering from publishing of tenders online, inviting online bids, evaluation and award of contract using the system. You may keep a watch of the tenders floated under <https://becil.euniwizarde.com>. These will be invited for online Bids. Bidder/OEM/Implementation Agency Enrolment can be done using "bidder/OEM/Implementation Agency Enrolment".
- b) The instructions given below are meant to assist the bidder/OEM/Implementation Agency in registering on the e-tender Portal, and submitting their bid online on <https://becil.euniwizarde.com> the e-tendering portal as per uploaded bid.
- c) More information useful for submitting online bids on may be obtained at: <https://becil.euniwizarde.com>

iv. GUIDELINES FOR REGISTRATION ON PORTAL

- a) Bidder/OEM/Implementation Agency are required to enroll on the e-Procurement Portal by clicking on the link "Online bidder/OEM/Implementation Agency Enrolment" on the e-tender Portal by paying the Registration fee of Rs. 2360/- (inclusive of taxes).
- b) As part of the enrolment process, the bidder/OEM/Implementation Agency will be required to choose a unique username and assign a password for their accounts.
- c) Bidder/OEM/Implementation Agency(s) are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication with the bidder/OEM/Implementation Agency.
- d) Upon enrolment, the bidder/OEM/Implementation Agency will be required to register their valid Digital Signature Certificate (Only Class III Certificates with signing + encryption key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify/TCS/nCode/eMudhra etc.), with their profile Or bidder/OEM/Implementation Agency can contact the help desk for getting the DSC.
- e) Only valid DSC should be registered by a bidder/OEM/Implementation

Agency. Please note that the bidder/OEM/Implementation Agency (s) are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.

- f) Bidder/OEM/Implementation Agency then logs in to the site through the secured log-in by entering their user ID /password and the password of the DSC / e-Token.
- g) The scanned copies of all original documents should be uploaded in pdf format on portal <https://becil.euniwizarde.com>.
- h) After completion of registration payment, the bidder/OEM/Implementation Agency is need to send their acknowledgement copy on the help desk mail ID: helpdeskeuniwizarde@gmail.com for activation of your account.

Helpdesk Number: Tel 011-4960606, 9355030616, 9560364871

v. SEARCHING FOR TENDER DOCUMENTS ON PORTAL

- a) There are various search options built in the e-tender Portal, to facilitate bidder/OEM/Implementation Agency(s) to search active tenders by several parameters.
- b) Once the bidder/OEM/Implementation Agency s have selected the tenders they are interested in, you can pay the form fee and processing fee (NOT REFUNDABLE) by net-banking / Debit / Credit card then you may download the required documents / tender schedules, Bid documents etc. Once you pay both fee tenders will be moved to the respective 'requested' Tab. This would enable the e- tender Portal to intimate the bidder/OEM/Implementation Agency(s) through e-mail in case there is any corrigendum issued to the tender document.

vi. PREPARATION FOR SUBMISSION OF EOI

The EOI must contain:

- a) Company profile relevant to EOI. It should also include details of past experience relevant to the "Scope of work "
- b) Declaration regarding acceptance of Terms and conditions of EOI and declaration of not been blacklisted by any of the Government agency.
- c) Essential information as given below :
 - i. Name & address of the agency
 - ii. Business name
 - iii. E-mail id
 - iv. Fax No. /Telephone No.
 - v. Authorized Signatory name, e_mail id and contact no.
- d) The agency/ bidder/OEM/Implementation Agency shall ensure that it fulfills the eligibility criteria as desired in EOI and other essential conditions.

Compliance statement of Eligibility criteria with the documents submitted as a proof is to be prepared and submitted. The supporting documents may be list of existing and past clients with details of services offered, details of similar projects executed.

- e) The EOI should be duly signed on each page by authorized person. Each page should be properly numbered. Documents authorizing such person must accompany the EOI. BECIL reserves the right to reject out rightly any EOI unsupported by proof of the signatory's authority.
- f) The validity period of EOI should be 6 months from the date of opening of EOI.
- g) The EOI complete in all respects must be submitted with requisite information and annexure(s). The EOI should be free from ambiguity, change or interlineations. Incomplete EOI will not be considered and is liable to be rejected without making any further reference to agency/bidder/OEM/Implementation Agency(s).
- h) The EOI should be addressed to:-

THE CHAIRMAN & MANAGING DIRECTOR
BECIL Bhawan, C-56, A/17, Sector - 62,
Noida - 201301, UP

- i) EOI must be submitted through <https://becil.euniwizarde.com> portal only. EOI received by post or any other mode after or before the closing date and time mentioned above shall not be considered. EOI(s) sent through TELEX/FAX/Email will not be entertained.
- j) Any amendment in the EOI document, if required, will be posted on website www.becil.com and <https://becil.euniwizarde.com>. All the applicants are therefore advised to regularly visit these websites before submitting the EOI.
- k) The agency/ bidder/OEM/Implementation Agency(s) may be asked to make a presentation before the committee. The evaluation of EOI will also be based on such presentation.
- l) Any amendment in the EOI document, if required, will be posted on website www.becil.com and <https://becil.euniwizarde.com>. All the applicants are therefore advised to regularly visit these websites before submitting the EOI.

vii. PREPARATION OF BIDS ON PORTAL

- a) The bidder/OEM/Implementation Agency should take into account any corrigendum published on the tender document before submitting their bids.
- b) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid.

- c) Bidder/OEM/Implementation Agency, in advance, should get ready the bid documents to be submitted as indicated in the tender document /schedule and generally, they can be in PDF formats. Bid Original documents may be scanned with 100 dpi with Color option which helps in reducing size of the scanned document.
- d) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, GST, Annual reports, auditor certificates etc.) has been provided to the bidder/OEM/Implementation Agency. The bidder/OEM/Implementation Agency can use “My Documents” available to them to upload such documents.
- e) These documents may be directly submitted from the “My Documents” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

viii. SUBMISSION OF BIDS ON PORTAL

- a) The Bidder/OEM/Implementation Agency should login to the website well in advance for the submission of the bid so that it gets uploaded well in time i.e. on or before the bid submission time. Bidder/OEM/Implementation Agency will be responsible for any delay due to other issues.
- b) The Bidder/OEM/Implementation Agency has to digitally sign and upload the required bid documents one by one as indicated in the tender document as a token of acceptance of the terms and conditions laid down by BECIL.
- c) The bidder/OEM/Implementation Agency has to select the payment option as “e-payment” to pay the tender fee / EMD as applicable and enter details of the instrument.
- d) The bidder/OEM/Implementation Agency s are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled by all the bidder/OEM/Implementation Agency s. bidder/OEM/Implementation Agency s are required to download the BOQ file, open it and complete the white colored (unprotected) cells with their respective financial quotes and other details (such as name of the bidder/OEM/Implementation Agency). No other cells should be changed. Once the details have been completed, the bidder/OEM/Implementation Agency should save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidder/OEM/Implementation Agency, the bid will be rejected.
- e) The server time (which is displayed on the bidder/OEM/Implementation Agency’s dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidder/OEM/Implementation Agency, opening of bids etc. The bidder/OEM/Implementation Agency

should follow this time during bid submission.

- f) The uploaded tender documents become readable only after the tender opening by the authorized bid openers. Upon the successful and timely submission of bid click "Complete" (i.e. after Clicking "Submit" in the portal), the portal will give a successful Tender submission acknowledgement & a bid summary will be displayed with the unique id and date & time of submission of the bid with all other relevant details. The tender summary has to be printed and kept as an acknowledgement of the submission of the tender. This acknowledgement may be used as an entry pass for any bid opening meetings.

ix. CLARIFICATION

For any clarification related to using the portal, you may visit the below link:

<https://becil.euniwizarde.com>

- a) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.
- b) Any queries relating to the process of online bid submission or queries relating to e-tender Portal in general may be directed to the Helpdesk Support.
- c) Please feel free to contact euniwizard helpdesk (as given below) for any query related to

E-tendering Phone No. 011-49606060

Mail id: - helpdeskeuniwizarde@gmail.com

VI. *GENERAL TERMS & CONDITIONS OF THE CONTRACT*

- i. The proposal is to be Submitted in SINGLE BID SYSTEM.
- ii. All bids are to remain valid for six months.
- iii. BECIL reserves the right to solicit additional information from bidder/OEM/Implementation Agency to evaluate 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 work will be done simultaneously with the project, on-site visit and evaluations by BECIL personnel, or any other pertinent information. It will be vender's responsibility to check for updated information on website <https://becil.euniwizarde.com> & <https://becil.com>
- iv. BECIL will make its decision based on the ability of the bidder/OEM /Implementation Agency (s) to meet the specific needs, technical expertise of the bidder/OEM/Implementation Agency (s), delivery capabilities, customer references, past satisfactory performance experience, is must besides cost.

- v. 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/OEM/Implementation Agency (s) which, in the sole opinion of the Project in charge, best meets the project's interest. BECIL also reserves the right to negotiate with potential bidder/OEM/Implementation Agency s so that its best interest to fulfill the need of project is served.
- vi. BECIL reserves the right to reject any and all proposals, to negotiate all terms of any agreement resulting from this Expression of Interest, and to request additional information from vendors.
- vii. All information contained in this EOI, 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 of the EOI Coordinator.

VII. ELIGIBILITY CRITERIA

- (i) The Bidder should be registered under the Companies Act 1956/2013 and should be in existence in India for the last Seven (07) years as on date of EOI publish. No Joint Venture or Consortium is allowed.
- (ii) The Bidder should have average annual turnover of at least **Rs. 1,99,00,000/-** in last three years (FY 2020-21, 2021-22, 2022-23). The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence 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 uploaded with the bid.
- (iii) The bidder should have a valid PAN and GST Registration. Copy of PAN card and GST Registration certificate should be submitted in the bid.
- (iv) The Authorized Signatory for signing the Bid should be duly authorized by Competent Authority to sign the Bid on their behalf.
- (v) The bidder should submit Manufacturers Authorization Certificate (MAF) and Compliance from Original Equipment Manufacturers (OEMs) specific to the bid for items mentioned in this EOI.
- (vi) The bidder should submit Compliance on the company's letter head.
- (vii) **Past Project Experience-** The bidder should have executed project for supply and installation /commissioning of same or similar Category products during preceding 3 financial years (i.e current year and three previous financial years) as on opening of bid, as per following criteria :
 - a) Single order of at least Rs. 2,32,24,367/- or
 - b) Two order of at least Rs. 1,32,71,067/- or
 - c) Three orders of at least Rs. 99,53,300/-.

Completion Certificate and work order issued by respective Buyer Organization for the above Orders should be uploaded with bid.

(viii) The bidder or the OEM of the offered products must have ISO 9001 certification.

ISO 9001:2015 / 2018

- (ix) The bidder should not be insolvent, in receivership, bankrupt or being wound up, not have had their business activities suspended and not be the subject of legal proceedings for any of the foregoing. An undertaking by the bidder should be submitted.
- (x) The Bidder should not be blacklisted/debarred/banned/restricted by any Union Govt./State Govt. / PSU as on date of submission of the Bid. "No-Conviction Certificate" duly signed by authorized signatory signing the bid, should be submitted in the prescribed format.
- (xi) The bidder should give an undertaking on the company's letter head that all the documents/- certificates/ information submitted by them against this EOI are Genuine & True.
- (xii) Copy of the EOI document duly signed and stamped by the bidder in support of having read, understood and complied with the requirements of the tender document.
- (xiii) BECIL reserves the right to accept or reject any or all EOIs or annul this process without assigning any reason and liability whatsoever and to re-invite EOI at its sole discretion. The details of EOI may be viewed on www.becil.com & <http://becil.euniwizard.com>. The corrigendum to this EOI, if any, shall be displayed on the website.
- (xiv) The Client's Tenders and its subsequent addendum/ corrigendum forms an integral part of this EOI.
- (xv) The bidder should give an undertaking that they accept all the Terms and Conditions of the Client's RFP on Back to Back Basis.
- (xvi) In the event of the award of the contract, EMD/PBG will be submitted by BECIL to the customer and EMD/PBG of equivalent amount will be submitted to BECIL by Bidder.
- (xvii) Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents.
- (xviii) Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 30% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

VIII. TENDER SPECIFIC TERMS AND CONDITIONS

- i. **OPTION CLAUSE:** The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.
- ii. **BIDDER FINANCIAL STANDING:** The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.
- iii. Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.
- iv. **End User Certificate:** Wherever Bidders are insisting for End User Certificate from the Buyer, same shall be provided in Buyer's standard format only.
- v. **Experience Criteria:** The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for 3 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.
- vi. **Manufacturer Authorization:** Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form / Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid
- vii. Scope of supply includes Training: Number of employees to be trained 10, Place for Training LUCKNOW and Duration of training 1 days.
- viii. Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:

- ix. The Seller fails to comply with any material term of the Contract..
- x. The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- xi. The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- xii. The Seller becomes bankrupt or goes into liquidation.
- xiii. The Seller makes a general assignment for the benefit of creditors.
- xiv. A receiver is appointed for any substantial property owned by the Seller.
- xv. The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.
- xvi. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
- xvii. **Bidder Turn Over Criteria:** The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence 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 uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
- xviii. **OEM Turn Over Criteria:** The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence 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 uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.
- xix. **IMPORTED PRODUCTS:** In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.
- xx. **Availability of Service Centres:** Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of

carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.

- xxi. **Dedicated /toll Free Telephone No.** for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
- xxii. **Escalation Matrix For Service Support** : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
- xxiii. Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.
- xxiv. ISO 9001: The bidder or the OEM of the offered products must have ISO 9001 certification.
- xxv. **Material Test Certificate** Should Be Sent Along with The Supply. The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.
- xxvi. The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.
- xxvii. To be eligible for award of contract, Bidder / OEM must possess following Certificates / Test Reports on the date of bid opening (to be uploaded with bid): YES.
- xxviii. Warranty period of the supplied products shall be 3 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. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

xxix. **NET WORTH:** Net Worth of the OEM should be positive as per the last audited financial statement.

xxx. **As per GeM Payment Terms: FIND below**

Delivery, Installation Commissioning and Testing (ICT) details for the above item as per Tender by End- Client:

Delivery Period(Days)	45 Days
% of Product Cost Payable on Product Delivery	80%
Min Cost Allocation for ICT as a % of product cost	20%
Number of days allowed for ICT after site readiness communication to seller	90 Days

In the event of award of contract to BECIL, the payment shall be paid to System Integrator on back to back basis as per Terms and Conditions laid out in agreement/work order by BECIL.

IX. Certificates:

Bidder's offer is liable to be rejected if they don't upload any of the certificates/documents sought in the Bid document and Corrigendum if any.

X. INDEMNIFICATION:

The bidder/OEM/Implementation Agency 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 execution of contract.

XI. JURISDICTION:

This Agreement 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 Agreement.

XII. TERMINATION:

Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the

Contract or any part thereof by a written notice to the Seller, if:

- a. The Seller fails to comply with any material term of the Contract.
- b. The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- c. The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- d. The Seller becomes bankrupt or goes into liquidation.
- e. The Seller makes a general assignment for the benefit of creditors.
- f. A receiver is appointed for any substantial property owned by the Seller.
- . The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

XIII. CONFIDENTIALITY

- a. Both the Parties for self and on behalf of their employees, agree to keep all such matters confidential and not to disclose them to anyone, either during or after the expiration/termination of this agreement, except with the written consent of the other party, excepting any information as may be required either under law or any regulatory authority for the parties to perform their obligations under this contract and for such other information that may come into the public domain.
- b. Both the Parties further agree that upon expiration of this MoU, unless extended mutually for further period, both parties shall promptly deliver to each other all material belonging to the other party whatever and wherever it is lying either in their own possession or in the possession of any employee's contract containing such confidential information etc. including submission of Accounts.

XIV. FORCE MAJEURE:

Either party shall be excused from performance of this Agreement during and to the extent that performance is prevented by the occurrence of unforeseen causes beyond the control of and without the negligence of the party claiming excuse and not brought about at the instance of the party claiming to be affected by such event or which, if foreseeable, could not be avoided or provided for and which has caused the non-performance or delay in performance. Such cause includes, without limitation, strike, go slow, other

concerned acts of workmen, lockout (not indulged by its own employees), acts of god, war, fire, explosion, act (s) of terrorism, flood, epidemic, riot, sabotage, embargo, blockade, civil disturbance and governmental restrictions or limitations. The party claiming excuse shall give immediate written notice thereof to the other, in any case not later than 15 (fifteen) days following the occurrence of such event. If performance is held up for a continuous period of more than 2 (two) months from the date of first notice, then the two parties shall review the situation and agree upon a course of action so as to protect the interests of both.

XV. INTEGRITY PACT :

The bidder should submit an undertaking that he will sign and integrity Pact with BECIL on award of work.

XVI. SEVERALIABILITY

If any provision of this agreement is held illegal or unenforceable by any court or other authority or competent jurisdiction, such provision shall be deemed severable from the remaining provision of the agreement and shall not affect or impair the validity or enforceability of remaining provision of the agreement.

XVII. BANK GUARANTEE/ PERFORMANCE BANK GUARANTEE

In the event of the award of the contract, BG/PBG will be submitted by BECIL to the customer @ 3% and BG/PBG of equivalent amount will be submitted to BECIL on back to back basis by the bidders.

XVIII. GUARANTEE / WARRANTY PERIOD

Guarantee/ Warranty period will be on Back to Back as per the Term and Condition of the Client's RFP. Warranty period of the supplied products shall be 3 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. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service.

XIX. GEM PORTAL FEE

In the event of the award of the contract, **GeM portal Fee** will be submitted by BECIL to the customer and equivalent amount will be submitted to BECIL on back to back basis by the bidder.

SECTION - II

EVALUATION PROCESS

I. EVALUATION / SCRUTINY OF EOI

1. EOI Proposals received by the prescribed date and time shall be considered and evaluated.
2. Evaluation/Scrutiny of EOI shall be based on:
 - a. Information contained in the bid, the documents annexed thereto and clarifications provided. If any.
 - b. Assessment of the capability of the bidder//SI/OEM/Implementation Agency based on past record.
 - c. Offered solution Document should meet the core requirement of work.
 - d. BECIL shall communicate qualified bidder/SI/OEM/Implementation Agency by Post/Fax/E-mail. However, it would not constitute a contract between the parties.

II. PRELIMINARY EVALUATION

- (i) 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.
- (ii) BECIL may waive 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 bidder/OEM/Implementation Agency.
- (iii) In case only one bid is received or during the Technical Evaluation only one bidder/OEM/Implementation Agency qualifies for the next stage of the bidding process BECIL reserves the right to accept/reject the bid.

III. EVALUATION PROCESS

- a. No enquiry shall be made by the bidder/OEM/Implementation Agency (s) during the course of evaluation of the EOI, after opening of bid, till final decision is conveyed to the successful bidder/OEM/Implementation Agency (s). However, the Committee/its authorized representative and office of BECIL can make any enquiry/ seek clarification from the bidder/ OEM/ Implementation Agency s, which the bidder/OEM/ Implementation Agency s must furnish within the stipulated time else the bids of such defaulting bidder/OEM/Implementation Agency s will be rejected. The proposal will be evaluated on the basis of its content, not its length.

- b. The bidder/OEM/Implementation Agency s' 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/OEM/Implementation Agency are required to submit all required documentation as per evaluation criteria specified in EOI.
- c. Proposals received by the prescribed date and time shall only be considered and evaluated by a duly constituted Tender evaluation committee.
- d. Upon verification, evaluation/ assessment, if in case any information furnished by the bidder/OEM/Implementation Agency 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.
- e. 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 discretion.
- f. Evaluation of proposals shall be based on:
 - i. Information contained in the proposal, the documents submitted there to and clarifications provided, if any.
 - ii. Experience and Assessment of the capability of the bidder/OEM/ Implementation Agency based on past record.
- g. 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.
- h. Conditional proposals shall NOT be accepted on any ground and shall be rejected straightway. If any clarification is required, the same should be obtained before submission of the proposals.
 - i. Even though bidder/OEM/Implementation Agency satisfy the necessary requirements they are subject to disqualification if they have:
 - ii. Made untrue or false representation in the form, statements required in the EOI document.
 - iii. Records of poor performance such as abandoning work, not properly completing contract, financial failures or delayed completion.

IV. AWARD OF WORK/AGREEMENT TERMS & CONDITIONS

- a) All the financial terms & conditions will be on back to back basis as per the Terms and Conditions of agreement/ order of BECIL and Client.
- b) Bidder offering the highest net revenue share shall be declared the successful H1 bidder. Bidder offering the next lower net revenue share shall be declared successful H2 bidder. In case of a tie the competent committee adopt draw of lots or any other suitable method to break the tie without giving any reason/ justification. This shall be done in the presence of tied bidders. The decision of competent committee of BECIL shall be final in this regard and cannot be challenged in any manner and also be abide by all the bidders.
- c) H1 bidder may be called for negotiation.
- d) A agreement shall be signed by BECIL with the successful declared H1 bidder.
- e) After signing the agreement, H1 bidder shall submit detailed priced BoQ. Subsequently BECIL will quote the same price in the end customer's financial bid as per the finally negotiated price agreed by the H1 bidder.
- f) BECIL will place PO on successful H1 bidder only if the BECIL receives its PO/work order from its Customer as mentioned in this tender.
- g) Currency of work Order: BECIL will place work order on bidder in INR only.
- h) Relevant Taxes in line with GST i.e. SGST/CGST or IGST to be considered by the bidder. Taxes rate and nature will be on back to back basis. GST and other applicable taxes will be as per actual.
- i) BECIL shall place order on successful bidder after reducing the BECIL margin percentage i.e..... % of the total value ordered including taxes given to BECIL by the customer for delivery of project/work as per tender condition. PO/Work order will be issued to the successful bidder for the amount which will be calculated after reducing BECIL Revenue share from the PO/Work order issued to BECIL by the prospective buy/end user customer.

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EVALUATION PROCESS

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- (iv) BECIL may waive 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 bidder/OEM/Implementation Agency.
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- l. Upon verification, evaluation/ assessment, if in case any information furnished by the bidder/OEM/Implementation Agency 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.
- m. 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 discretion.
- n. Evaluation of proposals shall be based on:
 - i. Information contained in the proposal, the documents submitted there to and clarifications provided, if any.
 - ii. Experience and Assessment of the capability of the bidder/OEM/ Implementation Agency based on past record.
- o. 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.
- p. Conditional proposals shall NOT be accepted on any ground and shall be rejected straightway. If any clarification is required, the same should be obtained before submission of the proposals.
 - iv. Even though bidder/OEM/Implementation Agency satisfy the necessary requirements they are subject to disqualification if they have:
 - v. Made untrue or false representation in the form, statements required in the EOI document.
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- j) All the financial terms & conditions will be on back to back basis as per the Terms and Conditions of agreement/ order of BECIL and Client.
- k) Bidder offering the highest net revenue share shall be declared the successful H1 bidder. Bidder offering the next lower net revenue share shall be declared successful H2 bidder. In case of a tie the competent committee adopt draw of lots or any other suitable method to break the tie without giving any reason/ justification. This shall be done in the presence of tied bidders. The decision of competent committee of BECIL shall be final in this regard and cannot be challenged in any manner and also be abide by all the bidders.
- l) H1 bidder may be called for negotiation.
- m) An agreement shall be signed by BECIL with the successful declared H1 bidder.
- n) After signing the agreement, H1 bidder shall submit detailed priced BoQ. Subsequently BECIL will quote the same price in the end customer's financial bid as per the finally negotiated price agreed by the H1 bidder.
- o) BECIL will place PO on successful H1 bidder only if the BECIL receives its PO/work order from its Customer as mentioned in this tender.
- p) Currency of work Order: BECIL will place work order on bidder in INR only.
- q) Relevant Taxes in line with GST i.e. SGST/CGST or IGST to be considered by the bidder. Taxes rate and nature will be on back to back basis. GST and other applicable taxes will be as per actual.
- r) BECIL shall place order on successful bidder after reducing the BECIL margin percentage i.e..... % of the total value ordered including taxes given to BECIL by the customer for delivery of project/work as per tender condition. PO/Work order will be issued to the successful bidder for the amount which will be calculated after reducing BECIL Revenue share from the PO/Work order issued to BECIL by the prospective buy/end user customer.

SECTION III

- **SCOPE OF WORK & TECHNICAL SPECIFICATIONS**
- **SCOPE OF SUPPLY (BID PRICE TO INCLUDE ALL COST COMPONENTS) :**
- **SUPPLY INSTALLATION TESTING AND COMMISSIONING OF GOODS**

I. Bill of Quantity (B.O.O.)

S.N	Items	Qty.	
1	Boom Barrier with width of 4 Meter	8	All necessary items shall be provided by the bidder/ firm as per requirements.
2	Tyre Killer with blocking Width 4 Meter	4	
3	K12 Rated Shallow Road Blocker 4 meter blocking width	8	
5	K4 Rated Barrier lift System	1	
6	Long Range RFID Reader	4	
7	Controller for Readers	2	
8	Access Control Software	1	
9	RFID Tag for four wheelers	500	
10	Work Station for access Control system	2	
11	Civil Works	OneJOB	
12	Electrical Works in reference to equipment	OneJOB	

II. TECHNICAL SPECIFICATION

a. Technical Specification of Boom Barrier 4 Mtr.

S.N.	Description
1.	Boom Barrier Up to 4 meter
2.	Product Description: Automatic vehicle boom barriers provide positive, dependable access control for all vehicle entry/exit scenarios. The boom pole will be lifted in response to any legitimate input signal. The barrier can be operated by means of coded cards, tokens, remote push button, keys, ticket machines, computer or loop detector.
3.	Timing: 2 Sec or less for up to 4 Meter
4.	Drive: Brushless DC Motor
5.	Materials Housing: Mild Steel Powder Coated Aluminium Coated Boom pole Aluminum and taped with reflective tape
6.	Technical Features <ul style="list-style-type: none"> • Boom barrier should configure Left or right ward as site only. • Barrier should have interactive LED way mode indicators at both side of barrier housing only for proper guidance of pilot car & motor cadre • Anti-collision sensor during boom arm motion • Collision Sensor on boom pole for alarm in case of unauthorized vehicle crash on boom. • Built in loop detector & photo beam
7.	Power Failure In the event of an emergency or isolation of power supply, the Barrier will remain in the locked position
8.	Interface Boom barrier is controlled by means of a control panel with following features: 1 One (0V) Input for opening/closing signal (pulse N/O) 2 One (0V) Dry Input for Remote Latching Open/close 3 One (220V) Output for Motor 4 One (0V) Input for beam 5 One (0V) Barrier PVC Loop
9.	Technical Data Power Supply: 220 V DC Power Rating: 220/250V 50Hz 100W or less Logic Voltage: 24VDC Operating Temperature: 0 to +55°C or better.
10.	IP rating: IP54 rating or better.
11.	Per Day Cycle: Up to 10000 for 4

	meter
12.	Protection Against Corrosion: Long Term protection against corrosion by zinc based multilayer plastic coating. Certificate according to ISOE N7253/ISO9227 should be submitted. OEM/ Supplier should have certificate for salt testing period of minimum 2000 hrs with no significant corrosion on product.
13.	TUV or similar Certified.

b. Technical Specification of Tyre Killer

S.N.	Parameter/Description	Technical Specification
1	Drive Cabinet	1400mm(H),1200mm(W),400mm(D)including200mm high base/or as per OEM (Not more than 5% variation is allowed in volume)
2	Drive	4.0 kW,400V/230 V 50Hz
3	Blocking Width	Blocking width (2-6 m): 4 m Spike distance= 200 mm. Blocking height= 450 mm at angle of 60°
4	Type	Electro-hydraulic.
5	Emergency Operation	Via hand pump (standard).
6	Accumulator	Accumulator Incl. rechargeable batteries for 3 movements (RO3)
7	Operating Times	Raising: approx. 2 sec, lowering: approx. 2 sec (standard and EO) optional emergency operation (EO) to override all safety functions.
8	Spike Height	400 mm incl. 200 mm high base
9	Wheel Load	100 kN according to SLW60-DIN.
10	Hydraulic Fluid	Mineral oil HLP 22 or biodegradable oil Plantohyd 22 S , non-hazardous to water.
11	Control Unit	PLC or microprocessor based controller in control box installed in drive cabinet (standard), PLC in separate control box for wall mounting inside a building (optional) ,control voltage 24V.
12	Control Box & IPRating	Max 600mm(H),400mm(W),200mm(D)/or as perOEM (Not more than 5% variation is allowed in volume), IP66.
13	Supply voltage	400 V/230V (3Ph+N+PE) ,50 Hz.
14	Weight	Approx. 1080-3040 kg(tyre killer) Approx. 280-400 kg (drive cabinet).

15	Colour (Standard):	Spike axle RAL 3000 flame red RAL Underground housing 7030 stone grey RAL Cover plates 1007 daffodil yellow.
16	Temperature	-20 °C to +60 °C
17	Provision for Linking with Drainage	Required
18	Enclosure for Push Button	Required
19	Corrosion protection coating	System should have corrosion protection coating

c. Technical Specification of K12 Crash Rated Shallow Road Blocker

S. N.	Parameter/ Description	Technical Specification
1.	Design	Road Blocker with electro hydraulic drive inseparate drive cabinet, blocking element with 2 nos red warning lights.
2.	Impact load	1852 KJ(7.5 t@80 km/h)
3	Crash test certification	PAS 68 V/7500 [N3] /80 kmp/ 90/ 0.0 or DOS SD-STD-02.01 Rev. A 03/2003/ K12/L3.
4	Crash Rating	K12
5	Blocking width	2.0 m, 2.5 m, 3.0 m, 3.5 m and 4.0 m .
6	Blocking height	1000 mm. or more
7	Underground housing	L × W × H : (blocking width + 290 mm) × 1500 mm × 300 mm. (as per site requirements)
8	Drive Cabinet	H×W×D : 1400 mm ×1200 mm ×400 mm incl. 200 mm high base (standard /EFO/RO3 only for non EU and non-EFT A countries) H×W×D 1800 mm×1200 mm× 500 mm incl. 200 mm high base (RO3 for EU and EFTA countries) or as per OEM.
9	Emergency operation	Via hand pump (standard) within 2 seconds
10	Accumulator	Rechargeable batteries for 3 movements (RO3) (optional)
11	Operating times	Raising: approx. 5 sec, lowering: approx. 4 sec (standard) with Emergency fast operation (EFO) : approx. 2 sec raising (with optional accumulator)
12	Wheel load	100 kN according to SLW60 :- DIN 1072

13	Drive	4.0 kW, 400 V (three phase), 50 Hz
14	Hydraulic Fluid	Mineral oil HLP 22 or biodegradable oil Plantohyd 22 S. non- hazardous to water
15	Control unit	PLC in control box or microprocessor based control installed in drive cabinet (standard) , PLC in separate control box for wall mounting inside a building (optional), control voltage 24 V
16	Supply voltage	400V (3Ph+N+PE), 50 Hz
17	Control box	H×W×D : 600 mm ×400 mm ×200 mm (standard)/or as per OEM, IP66 H×W×D : 800 mm ×400 mm ×300 mm(for RO3 option)/or as per OEM , IP66
18	Weight	Approx. 1930- 3670 kg (road blocker) Approx. 280-400 kg (drive cabinet)
19	Colour (standard)	Blocking element front cover and top plate RAL 7030 stone grey underground housing RAL 7030 stone grey Drive cabinet RAL 7035 grey
20	Temperature range	-20 °C to +60 °C
21	Warning light	2 nos. red warning lights.
22	Protection against corrosion:	Long-term protection against corrosion.
23	Certification	Third Party K12 Crash test report as per DOS, USA and PAS68,UK.
24	Product Life Cycle	10 years
25	Protection	Corrosion Protection: zinc based multi-layer plastic coating certified as per
26	Product should come from the country of origin of OEM.	
27.	To verify the operational quality and durability of the Wedge Barrier System, the Wedge Barrier system must be installed at critical infrastructure site and should be in operational condition for minimum three years	
28.	Product should be installed in Defence or Government from last three years	

d. Technical Specification of K4 Barrier Lift System

S.N.	Description
1.	Crash rated single arm boom barrier (90degree with both side post) with M30 rating & electro-hydraulic drive unit.
2.	Crash Rating: M30 as per DOS, USA/ASTM USA/PAS68, UK. Product should be tested & certified from a third-party Lab authorized with any of above mentioned authority.
3.	Barrier can stop a 7500Kg or more truck driving at a speed of 30mph
4.	Vehicle Penetration: With in 1 Meter or less.
5.	BLOCKING Width: 4-8 Meter.
6.	Boom Arm: Arm design to prevent a large truck or a small passenger vehicle from breaching the security perimeter.
7.	Drive: Electro-Hydraulic, Manual Operation by hand pump.
8.	Opening & Closing time : 6 ~8 Second
9.	Opening Angle : 90 degree with both side post.
10.	Duty Cycle : 100%
11.	Ingress Protection: IP56
12.	Operating Temperature: -20 degree to + 70 Degree Celsius.
13.	Foundation depth: 460 MM or less
14.	Power: Single Phase, 220V
15.	Entrapment shield around catch post for preventing any potential pedestrian entrapment or injury.
16.	Warning: Red Reflector on boom
17.	Integrated loop detector for automatically detecting vehicles in the way of the barrier arm during closing.

e. Technical Specification of RFID Reader

Sr. No	Feature	Required Parameters
1	Reader Type	Long range RFID Readers
2	Operating Frequency	UHF 865-867 Mhz
3	Communication	RS485,RS232,Wiegand interface
4	Read Range	Up to 10 meters

5	Operating Voltage	10 to 30 VDC (± 1 VDC)
6	Operating Temperature	-10 to 50°C
7	Encapsulation	IP 65
8	Remote Operation	Possible to enroll, delete or change the details of user at reader only
9	Certifications/ Approval	UL/CE

f. Technical specification of controller for RFID Readers Access Modular Controller

Sr. No.	Description
1	The Access Modular Controller (AMC) shall conform, but not limited to the following requirements and directives:
	a. FCC
	b. CE
	c. UL294
2	All types of IP Based Access Controller must support & confirm/compliant to below standards &/or protocols to safeguard against any cyber-attacks; data theft; malware; spying
	-
	Authenticated MAC-ID
	Digitally Signed Firmware
	OSDP & Weigand,
	SNMP, SSL, TLS1.2,
	AES256,
	UL294
	IPV4; IPV6
	FIPS mode
	Crypto memory encryption
	Password protection & secured User Logs,
	IP address filtering,
	HTTPS encryption,
	GDPR Compliant
	PSIA
	SNMPv3/v2c

	FICAM PACS Infrastructure APL Listed
	Non Hislicon Processor / Chipsets /PCBs
3	The AMC shall be of modular design with a download software built-in so that the application program can be easily changed and downloaded without the physically touching the controller itself.
4	The AMC hardware design shall be of standard 19" rack and/or wall mountable and/or rail mountable for installation in enclosure.
5	The connection from the AMC to the AS server running the management software shall preferably by Ethernet 100 Base T and/or RS-485.
6	The AMC shall have a web interface for doing network and configurational setting and below information should be displayed on controller web or AS GUI, display to show all its network parameters and actual status like:
	a. IP address of the controller
	b. MAC address of the controller
	c. DHCP on/off
	d. Status of all the inputs connected to it,
	e. Status of all the outputs connected to it,
	f. Online and Offline status of the controller
	g. Firmware version
	h. Date and Time - A real time clock (RTC) that will adjust itself to leap year computations automatically.
7	The AMC shall support and include a standard Compact Flash (CF) memory card for storing cardholder data and access events. Controller CF should support min 200,000 card holders and 50,000 offline buffer. Controller shall have min 16MB RAM and 16MB Flash.
8	The AMC memory shall under no circumstance lose a single, not even the last transaction when power fails.
9	The AMC and all devices connected to it shall continue to operate and control access in off-line mode, even if the computer network fails.
10	The AMC memory shall store database that has a capacity with a minimum of 200,000 cardholders each having a programmable 19digits (personal Identification Number) PIN codes.
11	The AMC provided shall support on board 02 or 04 readers and connectivity of up to 64 standard Wiegand interface readers through reader interface modules. 32 reader interface modules over RS 485 where each interface module can support max up to 2 Wiegand or RS 485 or OSDP readers.
12	The AMC provided shall support min 8 (Eight) different card formats with 8 different facility codes simultaneously.
	The AMC shall support long custom card formats up to 128 bit long and card no up to 64 bit long to provide the additional security and

	unique card number as minimum but not limited to the following card formats:
	Wiegand 26 bit, 32bit, 35 bit, 36 Bit, 37 bit, 40 bit, 56 bit, 64 bit and 128 bit.
13	The AMC Shall support min 255 Access Levels & 255 Times Zones.
14	The AMC shall provide programmable I/Os 08/04 on board, and shall be expandable to I/O 512/544, using I/O extensions modules.
15	The AMC shall support 256-bit AES data encryption between controller to AS server over TCP/IP. Master keys shall be downloaded to the AMC, which shall then be authenticated through the AS based on a successful match.
16	All inputs provided shall be configurable to provide 2- or 4- status selectable, via End-Of-line (EOL) resistors, namely:
	a. Input Closed
	b. Input Opened
	c. Input Shorted (provided in 4-status mode)
	d. Input Tamper (Cable cut, provided in 4-status mode)
17	EOL resistor's values shall be flexible selectable in the AS management software during configuration.
18	UPS shall be provided to continually supply power to the AMC and readers for a minimum of 2-hours, in the event of power failure.
19	The AMC shall generate a transaction record and save them in the memory for every alarm, they include:
	a. Time/ date of occurrence and restoration.
	b. Location of alarm sensors.
20	Users shall be able to use the web client to print badges via the personnel profile in the web client and will also no longer be required resize the print dialog box
21	Users shall be able to define filter criteria in the search text box and have the correct filter results returned.
22	Shall allow both the web and thick clients to show all clearance codes.
23	Shall allow to use all badge holders to have a valid photo showing in the left pane of the web client
24	The Controller must support Integrations for - Regional I/O shares I/O status Wireless locks Map Power Supply Alarms and Events using PSIA Reader firmware and configuration download Supports 1 total RS-485 I/O protocol Regional IO shares IO states amongst multiple controllers Relay count activations Interoperability with older host software using Legacy Mode feature Synchronize time using NTP
25	The Controller must support the below Card Reader Functions 1. Multiple card format support by reader

	<ol style="list-style-type: none"> 2. Paired reader support 3. Alternate reader support 4. Elevator support 5. Turnstile support 6. Biometric device support 7. Open Supervised Device Protocol (OSDP) and OSDP SC compliant 8. Occupancy count 9. Support of multi-occupancy rules 10. Anti-pass-back support <ol style="list-style-type: none"> i. Area-based, reader-based, or time based ii. Nested area, hard, soft, or timed forgiveness 11. Supports host-based approval rules 12. Keypad support with programmable user commands, card input 13. Shunt relay support 14. Strike follower relay support 15. Threat level and Operating Modes 16. Host controlled OSDP reader pass-through 17. Elevator floor override
26	<p>The Power Supply Unit shall meet the below criteria -</p> <ul style="list-style-type: none"> • 120/230VAC - 12V/4A. • Built in Fire Alarm disconnect on a per output basis (2 Outputs) • Low battery cutoff protects batteries from deep discharge • Dedicated fast charger prolongs battery life • Enhanced surge immunity for input/output protection • Dual outputs main and auxiliary

g. Technical Specification of Access Control Software

INTEGRATED ACCESS CONTROL SYSTEM (IACS)	
SL. No.	Minimum Specifications
A	IACS system data resilience
1	<p>Server support including Windows® Server 2012/2016/2019, Windows 10 (32-bit and 64-bit), SQL Server 2012/ 2014/ 2016/2019</p> <p>The proposed System must be available to support a minimum of 32 readers; 1no each of the server license, concurrent user license; badging licenses. The System if require can be upgraded to un-restricted no of reader licenses; concurrent badging & client licenses.</p>

	The system shall be capable to send failover alarms to other integrated systems via Web API/SOAP; OBIX protocol.
2	IACS must have inbuilt module if a workstation fail, other workstations shall be able to take over operational roles. The operator shall be notified if the IACS workstation becomes off-line to system server. The system shall escalate important alarms on other workstations automatically when not acknowledged within the set time.
3	Operational User login requirements
	a) All software applications must be run from the toolbar, which may be accessed only by logging in using a predefined username and password.
	b) Swipe to Login feature. Using this feature, the workstations can be configured so that the user must swipe their ID card and enter a password before gaining access to any applications.
	c) System administrator tools to restrict login access to the system data via workstation and web browser, must be highly configurable.
	d) Unlimited system usernames shall be supported and each user name shall have a user selected password.
	e) Password expiry, minimum password length, and at least one number and one character can be enforced.
	f) User configurable timeout or dead man feature must automatically close all applications and log the user out.
4	Single Sign On (SSO)
	a) The system must support integration Windows Single Sign On via Microsoft Active Directory and Lightweight Directory Access Protocol (LDAP) with Kerberos Key Distribution, thus allowing a single action of user authentication and authorization to permit a user access to the system workstation software.
	b) Single Sign On must remove the need to enter multiple passwords when logging on to the system via a client PC.
	c) Access to the system software must be granted to users after using their Windows login credentials.
	d) Single Sign On must support both the client workstation software
5	The system shall include an application to enable the system administrator or IACS supervisors to allow or disallow workstation operators from accessing certain system applications. The following features must be provided: -

	a) Workstation user option configuration will provide at least five authorisation levels.
	b) In addition to authorisation levels, application checkpoints and field checkpoints will provide the system administrator a great level of flexibility when configuring workstation operator data access. Systems with a factory set (or non-user configurable) system data access permissions will not be considered.
	c) Application user checkpoints must include read only permission, add, edit or delete permissions one or more authorisation level.
	d) Application field checkpoints must restrict individual field data access within an application, option shall include: - hide, display and/or edit for one or more authorisation level.
	e) Company restriction shall be supported, thus details on Personnel belonging to one or more Companies in the system can be hidden from the operator
6	IACS Server Software
a	The IACS central server must be compliant to either Linux 64bit OS or Windows 64bit OS and shall use Oracle /SQL / MYSQL / PostgreSQL/ IBM Informix/Sybase latest database engine.
b	The database character set standard shall be open to OS' and all browsers.
c	The IACS Central Database Server will carry out the following core tasks: -
d	Record cardholder personal and access information.
e	Control card verification for the recording of cards on the system.
f	Control data flow to the Ethernet Reader Controllers - card and configuration information.
g	Provide automatic updates of Ethernet Reader Controllers and field device changes, so that the system is continually updated.
h	Provide alarm and status information in real-time to client workstations in use for system monitoring.
i	Pass alarms to an integrated email over SMTP for a text messaging service to user defined recipients or as per set privileges.
j	Issue broadcast messages to the Ethernet Reader Controllers.
k	System must include Integrated software capable to back up the system to stored files or removable media and restore that system data. Systems requiring separate backup and restore software shall not be considered.

l	Backup data shall include transaction and alarm data, database audit files etc.
m	Backup of system configuration updates
n	The backup software shall notify the monitoring software of backup status alarms.
o	Backup failure and other critical system alarms shall be notified to any user via the workstation user application menu, as an onscreen warning message.
p	The central IACS server shall maintain a full audit log of every change made to the database.
q	This log will consist of the “before and after” details of any database changes, when they were made and the user name of the person who logged into the toolbar to make those changes.
r	MS SQL based database will be stored in flat files on hard disk and will not be removed unless it has reached a user defined age limit, e.g. default of five years.
s	SQL search tool will be provided to allow the user to examine these files.
t	ACS system resilience can be defined as the ability of the system to deal with the malfunction of any component. Should any device fail other connected devices will continue to operate independently or in offline mode. The monitoring system shall be alerted.
u	The IACS system shall feature Integrated hot-standby software. The software shall support automatic hardware failover, manual hardware failover as well as manage real- time data replication between the primary and secondary servers.
7	System software interface tools
a	The system shall provide a number of Integrated software development tools.
b	Application Programming Interface (API)
	a)The system API provides a way to interface a 3rd party system.
	The API as a minimum shall enable application developers to:-
	·Create, Edit, and Delete cardholder information, including photographic image and signature
	·Create, Edit, and Delete visitor card information
	·Create, Edit, and Delete vehicle card information
	·Acknowledge and Cancel alarms
	·Remotely open access control doors (either based on configured door open time or extended opening)
	·Remotely switch outputs on field devices

c	b)Usage of the API should be via Stored Procedure Language (SPL) allowing 3rd party application developers to connect to the system database using ODBC or JDBC to execute the SPL stored procedures.
d	Other External systems interface tool shall be provided -
	The external systems application will allow the user to specify a number of ASCII strings that are to be exported from the system on the event of an alarm.
	ASCII strings shall be exported to a system connected to the Access Control central database server via Ethernet or RS232.
	Additional strings shall be sent when a system alarm is acknowledged or cancelled.
	Active Directory LDAP Synchronisation
	The integration must process additions, updates, and deletions on a scheduled basis allowing the Microsoft Active Directory service to centrally manage cardholder access control details.
	Synchronization should be configurable for hourly or daily updates, with the ability to specify exact time intervals and days of the week.
	Configuration of the directory synchronization must be carried out using a built-in web based interface to the central server.
8	Reporting Tools
a	The IACS must be able to generate reports either via workstation application tools and/or web browser clients.
b	The operator shall determine report parameters based on simple pick lists available for each individual report menu. Systems requiring the user to type complicated search strings will not be acceptable.
c	Standard system reports shall include
	· Access Level changes
	· Alarm Reports
	· Transaction Reports
	· First & Last transaction report
	· Device Reports
	· Device Access Report
	· Device configuration reports
	· Personnel Reports
	· Card parking Reports
	· Absentee Report
9	Custom reports

a	The Integrated web-based report designer will provide a graphical query tool, based on simple pick lists available for each individual report menu enabling users to select data from tables and fields within the system database. Systems requiring third party reporting tools or a command line user interface for custom reports shall not be considered.
b	Reports including custom user reports shall be exportable, either as an electronic file or automatically as an email attachment.
c	All reports including custom user reports can be scheduled on a daily, weekly, or monthly basis.
10	Personnel Data and Enrolment
A	Valid cards must be able to be printed with a photo and other cardholder information to allow the ACS cards to be used as an identification card.
B	The system shall provide a means of issuing a preconfigured card format for each category of card holder. As a minimum category shall include Staff, Visitors and Vehicles. A card format shall include:
	a) A user defined print design template. For printed cards, this feature will aid visual confirmation of a card's validity.
	b) A limited subset of the total system access levels and time zones.
	c) One of a number of specific card types configured by the system user. Specification for Card Type shall include options to set as a minimum:
	·The card type is machine readable, e.g. a card reader.
	·Setting a range of pre-printed or "hot stamp" numbers.
	d) Enrolment options for each card type must include the following:
	·Read card Number
	·Card No will be factory programmed; card auto PIN shall be system generated.
	·Enforce biometric enrolment and card number simultaneously during enrolment process enrolment.
C	Each card holder shall be assigned to a Company / Group / Team / Individual or as per SOP as decided by Security Agencies or customer. Should that Company/Group/Team/Individual status be terminated, then all access cards associated with that company shall be denied access. When the Company status is activated, current card status shall be restored.
D	After a user defined period, infrequently used cards can be parked, or otherwise automatically moved to a reduced or null access level.
E	Supports option to de-activate cards which are not used in "N" no of days

F	A workstation operator will be able to park/un-park a cardholder with one click.
G	A Card holder can be given special status, thus ensuring a card reader will respond differently, than to a normal card holder with similar permissions.
H	The system database shall support the "Foreign Language" character strings. Thus allowing dynamic entry of foreign language strings, especially to be used when printing badge name, or other user data fields that will not be in English for example.
I	A card holder can be assigned a threat level status, thus a card holders' access at certain readers will be dynamically altered depending on the threat level status of the system.
	a)Each card holder will be assigned a threat level status
	b)An increase in Threat levels will demand additional security, for example:
	·Doors in "Open Mode" will lock and require card access
	·Readers with keypad in "Card Only" mode will require card and PIN
	·Biometric readers in "Card Only" mode will require Card & Biometric
	·Access via some card readers shall be denied to some groups of card holders, until the threat level is reduced.
J	The system software shall provide means for bulk loading of card numbers using a data file generated from another source. The external file shall be an ASCII file in comma, pipe, colon or space-delimited format.
K	Image Capture
	a) Each personnel record shall support one personnel portrait and one signature sample.
	b) The ability to store other document scans associated with the personnel record or card holder, such as driving licence, business card, and other such permits or documents etc. is mandatory.
	Card enrolment with Fingerprint
	a) The system must include an Integrated method to create two separate encoded templates generated by a card holder's fingerprint for each card holder in the system.
	b) In the event a card is lost or damaged, the card holder shall not need to return to the enrolment station to have a new card issued.
11	Visitor management system (VMS)
A	Valid visitor cards must be able to be printed with a photo and other cardholder information to allow the ACS cards to be used as an identification card.
B	The VMS system shall provide a means of issuing a preconfigured card format for various categories of visitor card holder. A card format shall include a set print design template and a limited set of access levels and

	time zones. This feature will aid visual confirmation of a card's validity.
C	Image Capture
D	Each personnel record shall support one personnel portrait, signature and feature the ability to store other document scans such as driving licence, business card, and other such permits or documents etc.
12	Vehicle and driver management system
A	Valid visitor cards must be able to be printed with a photo and other cardholder information to allow the ACS cards to be used as an identification card.
B	The VMS system shall provide a means of issuing a preconfigured card format for various categories of visitor card holder. A card format shall include a set print design template and a limited set of access levels and time zones. This feature will aid visual confirmation of a card's validity.
13	Encryption & Security
I	<p>The Security Management System shall provide multiple levels of data encryption like –</p> <ol style="list-style-type: none"> a. 256-bit AES data encryption between the host and intelligent controllers. The encryption shall ensure data integrity that is compliant with the requirements of FIPS-197 and FIPS 201. Master keys shall be downloaded to the intelligent controller, which shall then be authenticated through the Security Management System based on a successful match. b. Transparent database encryption, including log files and backups c. SQL secure connections via SSL d. OSDP Support e. TLS1.2 f. OS hashing algorithm across the OS domain server as a hash. g. Homeland Security Presidential Directive 12 (HSPD-12) h. HTTPS 3rd party certificate enabled encryption & communication i. SSL/ TLS 3rd party certificate j. Compliance with Application Request Routing (ARR) proxy- based routing module k. Complies with UL 2900-1 cyber certification standard. l. FICAM PACS Infrastructure APL Listed
14	<p>Compliance and Validation: The Security Management System shall incorporate signature authentication where modifications to Security Management System resources will require either a single or dual digital signature authentication allowing the administrators the ability to select specified devices in the Security Management System where data manipulation will be audited, and signatures will be required to account for the data modification.</p>

	<p>Shall support resource modification enabling the user to specify reason for change or select a predefined reason from a list and all data will be securely stored and maintained in the database what can be viewed using the reporting tool in line with Title 21 CFR Part 11 Part B compliance.</p>
15	<p>Live verification to access - Shall support to allow a user or guard to decide the access of an individual who presents his/her card at a designated secure mode reader after validating the card holder Image stored in ACS Database with live video verification; Facial recognition enabled access control through video badging multi factor authentication being verified.</p>
16	<p>Occupancy Restrictions - Shall allow the user to define the minimum and maximum occupancy allowed in a designated area by enabling automatic logic running based on occupancy restriction.</p> <p>Shall also support a “two person rule” to restrict access to specific access areas unless two cardholders present two different valid cards to the reader one after the other within a period time defined by the door unlock time multiplied by a factor of 2.</p> <p>Shall support the provision to allow a user or group of users via company selection, a temporary denial of access to specific readers or areas based on a preconfigured event .The group access function shall limit access to a group of cardholders, overriding all other access criteria.</p>
17	<p>Asset Tracking - Shall maintain information related to assets that are issued to the employees, contractor and other authorized personnel in the facility, including brass keys, laptops, RSA keys, cell phones, company cards, etc. Reports can be generated for issue Asset, Returned Asset & Overdue Assets.</p>
18	<p>Certifications/Training Module - Shall support to maintain certifications/training for a badge holder. A certification may be linked to access groups with expiration dates. When a certification, associated to an access group, has expired and the badge holder has an active credential, the access group will be removed from the credential without affecting the status of the credential</p>
19	<p>Maps & Icons - The Security Management System shall provide the user with the means to add maps and indicator icons to maps that shall represent input/output points, logical devices, or cameras located throughout the Security Management System. Security Management System maps shall display the state and condition of alarm points. The Security Management System shall also provide the ability to monitor the channels or panels.</p>
20	<p>Unified Biometric Integration - System shall be able to enroll fingerprints or palm/hand prints within the same in-process application without using another 3rd party application or biometric manufacturer’s enrollment application. All biometric data is stored and maintained in the database. System can push templates to biometric readers (1 to- many matching) or encode to smart card (1 to 1 matching).</p>
21	<p>System Reporting - The Security Management System shall provide authorized users to generate detailed reports through a separate crystal reporting module for this purpose. The reporting module should have an exhaustive pre-defined set of standard reports and must have an inbuilt</p>

	custom reporting module where an operator can design any type of reports with simple mouse clicks and drop. This reporting module shall support query reports and statistical report. Reports can be scheduled for automatic printing on printer or email to defined email id in non-editable format such as pdf, xps as a min. Report export must support various format HTML, xls, pdf, xps, txt and xml.
22	The proposed ACS OEM; its Hardware & Software; etc. must be able to provide localization requirements for varied & defined SOPs through customized text, integrated customized alarm window; layout, graphics and multimedia, keyboard shortcuts, fonts, character sets and locale data, as per secure development; firmware upgrades and customized API support in India meeting and mitigating trouble shooting and localized onsite specific API support & development.
23	The proposed IP ACS SYSTEM CONTROLLER & ACS SYETM SOFTWARE must be single OEM only for seamless synchronization of personnel data & security.
24	The proposed ACS OEM should have its own Repair/Service-Support Center and Toll-Free TAC helpdesk Number and must own its RMA set up in India for a minimum period of 07 years from the date of submission of bid (not as joint venture, partnership firms; franchise; distributor service center or through any other 3rd party association). In case of product failure OEM should replace malfunction product with equivalent working product immediately till the repaired or alternate product received. Necessary supporting documents must be submitted.

h. Technical Specification of RFID TAG (RFID Smart Tag for Four Wheelers Vehicles)

Sr. No	Feature	Required Parameters
1	Tag Type	Passive Long Range smart tag(operating frequency 865-867 Mhz) (EPC class 1 Gen 2)
2	Read Range	Up to 10 meters
3	Mounting Option	Vehicle mounted with accessories
4	Material	PVC in Black/ White/ Grey colour
5	Operating Temperature	-10 to 50°C
6	Application	Installed inside vehicles
7	Certifications/Approval	CE/UL

i. Technical Specification of Work Station Access Control System & Gate Automation

Sr.No	Description	Specifications
1	Processor	Intel core i7 processor
2	Speed	3.2 Ghz
3	FSB	1.333 Mhz
4	Level 2 Cache	6 MB
5	Memory	16 GB DDR3 SDRAM
6	Hard Drive	500GB SATA 3.0Gb/s
7	Optical Drive	Single drive : DVD +/-RW+CD-ROM
8	Graphics	2 GB Graphic Card NVIDIA or ATI Radeon
9	Display	24"LED screen
10	Keyboard	Wireless keyboard
11	Mouse	Wireless optical mouse
12	Cabinet	Tower
13	Power Supply	230VAC/50Hz
14	NIC	2x10/100/1000
15	Expansion Slots	4xPCIe/PCIx
16	OS	Microsoft Windows 7 Professional, Microsoft office 2010
17	Ports	Minimum 4 Nos USB ports
18	S/W utilities	Anti-virus with 3 yr subscription
19	Accessories	1KVA UPS for work Station

SECTION IV

- **ENCLOSERS / ANNEXURES**

1. Power of Attorney for signing the Bid on Rs. 100 Stamp Paper

KNOW ALL MEN BY THESE

PRESENTS,

We "Name of Bidder" do hereby irrevocably constitute, nominate, appoint and authorize _____, who is presently employed with us and holding the position of "_____", as our true and lawful attorney (*hereinafter referred to as the "Attorney"*) to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our application for qualification and submission of our bid for the Project "**Name of Project**" of "_____" (the "client") including but not limited to signing and submission of all applications, bids and other documents and writings, participate in pre-applications and other conferences and providing information/ responses to the client, representing us in all matters before the client, signing and execution of all contracts including the Agreement and undertakings consequent to acceptance of our bid, and generally dealing with the client in all matters in connection with or relating to or arising out of our bid for the said Project and/ or upon award thereof to us and/or till the entering into of the Agreement with the client.

IN WITNESS WHEREOF WE, (Name of Bidder)____, THE ABOVE-NAMED PRINCIPAL HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS DAY OF Date_____ .

For **Name of Bidder**,

Accepted

Witnesses:

1. (Notarized)
- 2.

2. Particulars of The Bidder

1.	Name of company	
2.	Office Address /Telephone No / Fax No / email id / website	
3.	Year of establishment	
4.	Status of the Company	
5.	Name of Directors	i) ii) iii)
6.	Names of principle person concerned with this work with title and Telephone No / Fax/ Email Id, Etc.	
7.	Whether registered with the registrar of companies /registrar of firms. If so, mention number and date.	i) ii) iii)
8.	In case of change of Name of the Firm, former Name / Names and year/ years of establishment:	
9.	Whether registered for sales tax purposes. If so, mention number and date. Furnish also copies of sales tax clearance certificate.	
10.	Whether an assessed of income tax. If so, mention permanent account number. Furnish copies of income tax clearance certificate.	
11.	State Annual turnover of the company Furnish copies of audited balance sheet and profit & loss account (audited) for the last three years.	
12.	Particulars and place of similar type of works done in a single order. (Furnish details in a separate sheet and enclose copy of the employers certificate)	
13.	Specify the maximum value of single work executed in the past three years.	
14.	Status and details of disputes/ litigation/ arbitration, if any.	

Signature of Authorized Signatory

Place: _____

Date: _____

Address: _____

Mobile: _____

Email ID: _____

3. Annual Turnover & Net worth

(To be printed on implementing agency's letterhead and signed by Authorized signatory.)

To
The General Manager
Broadcast Engineering Consultants India Limited
BECIL Bhawan, C-56, A/17, Sector-62, Noida-201307

Full Name of Bidder (Supplier) entity:

Full Address of Bidder (Supplier) entity:

S. No.	Financial Year	Turnover of Bidder	Net worth	Remarks
1	2019-20			
2	2020-21			
3	2021-22			
	Average			

*Enclose Audited Balance sheets only.

Note: The required certificate from CA is enclosed along with this form.

Signature of Authorized Signatory

Place: _____
Date: _____
Address: _____
Mobile: _____
Email ID: _____

4. Proforma of letter of Undertaking for Bid Validity

To
General Manager
Broadcast Engineering Consultants India Limited
BECIL Bhawan, C-56, A/17, Sector-62, Noida-201307

Reference: EOI No. <<>> dated << 202X>>

I/We hereby submit our Bid and undertake to keep our Bid valid for the period of 180 days from the date of submission of the Bid.

I/We also agree to abide by and fulfill all the terms, conditions of provision of the bid document.

Signature of Authorized Signatory

Place: _____
Date: _____
Address: _____
Mobile: _____
Email ID: _____

5. Bid Covering Letter

To
General Manager
Broadcast Engineering Consultants India Limited
BECIL Bhawan, C-56, A/17, Sector-62, Noida-201307

Reference: EOI No.<<>> dated << 202X>>

Dear Sir/Madam,

We, the undersigned, offer to provide Systems Implementation solutions to the Purchaser on <Name of the Systems Implementation engagement> with your Expression of Interest dated <insert date>and our Proposal. We are hereby submitting our Proposal, which includes our Technical bid sealed on the <URL of eProcurement portal> portal.

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

We undertake, if our Proposal is accepted, to initiate the Implementation services related to the assignment not later than the date indicated in Fact Sheet.

We agree to abide by all the terms and conditions of the EOI document. We would hold the terms of our bid valid for <180> days as stipulated in the EOI document. We understand you are not bound to accept any Proposal you receive.

Signature of Authorized Signatory

Place: _____
Date: _____
Address: _____
Mobile: _____
Email ID: _____

6. Credentials Summary

S. No.	Project Name	Client Name	Client Type	Project Value (in INR)	Documentary evidence provided (Yes or No)	Project Status (Completed or Ongoing or Withheld)
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

Signature of Authorized Signatory

Place: _____

Date: _____

Address: _____

Mobile: _____

Email ID: _____

7. Self-Declaration For Non Black Listing

[ON BIDDER'S LETTER HEAD]

Bidder Ref. No.
Dated :

To
General Manager
Broadcast Engineering Consultants India Limited
BECIL Bhawan, C-56, A/17, Sector-62, Noida-201307

We, M/s. ----- hereby declare that the firm/company namely M/s. -----, as on the date of bid submission, has not been blacklisted or debarred by any of the Central Government or State Government or any organization under Central/ State Government or any Statutory Authority, or any Public- Sector Undertaking.

M/s has not been found guilty of any criminal offence by any court of law in India or abroad.

M/s, its directors and officers have not been convicted of any criminal offence related to their professional conduct or the making of false statement or misrepresentations as to their qualifications to enter into procurement contract within a period of three years preceding the commencement of the procurement process or have not been otherwise disqualified pursuant to debarment proceedings.

Yours faithfully

For,

Signature of Authorized Signatory

Place: _____

Date: _____

Address: _____

Mobile: _____

Email ID: _____

8. Undertaking Regarding Payment Of GST/ Filing Of GST Return

Ref.....

Date

To,
The Chairman and Managing Director,
Broadcast Engineering Consultants India Limited,
56-A/17, Block-C, Sector-62, Noida-201307 (U.P.)

Subject: Undertaking regarding Payment of GST/ Filing of GST Return

Dear Sir,

This is in connection to the works awarded by M/s Broadcast Engineering Consultants India Limited (BECIL), we hereby undertake that we will comply with Goods and Services Tax 2017 and Various Rules Relating to GST Act, 2017(herein after referred to as GST Act and Rules) wherever we are obliged to comply with the GST Act and GST Rules.

We further hereby undertake that we will issue proper **"Tax Invoice"** and/or any other Relevant Document as required under GST Act and Rules. We will furnish appropriate GST return and pay GST as required under GST Act and Rules on timely basis and will provide GST credit on timely basis through GST Portal (and/or by any other means as provided by GST Act and Rules).

We hereby certify & undertake that we will not alter, delete or modify the invoices and other details uploaded at GST Portal unless approved by BECIL in writing.

We also hereby certify & undertake that we indemnify BECIL on account of any loss of GST input credit as well as any interest, penalty, demands or other costs, expenses suffered by BECIL because of any failure on our part to file appropriate Return on time and/or pay Tax to Government/ Appropriate Authority.

In case we do not make payment the tax/interest/penalty/other expenses etc. on demand raised by Government/Tax Authorities due to default/delay on our part/action, we also authorize BECIL to forfeit/deduct from security held by BECIL, equivalent amount of interest/penalty/tax etc. for the amount so withheld.

Signature of Authorized Signatory on behalf of Agency

Address: _____

Mobile: _____

Email ID: _____