



Broadcast Engineering Consultants India Limited

(A Government of India Enterprises–Under Ministry of Information and Broadcasting)

Request for Expression of Interest

For

EMPANELMENT OF AGENCY FOR SUPPLY OF HEALTHCARE EQUIPMENTS

Tender No. BECIL/PROJ/ITS&AV/Healthcare/2020 Dated: 10-04-2020

Description of task, tender submission format and procedure is provided in the EOI document available on BECIL Website: www.becil.com

EOI Release Date	10 April 2020
Pre Bid Query Submission Date	14 April 2020 at 1200 Hrs
Last Date of Submission	17 April 2020 at 1200 Hrs
Date of Opening of Proposals	17 April 2020 at 1700 Hrs

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TABLE OF CONTENTS

1	Instructions to the Bidders.....	4
1.1	Standard Definitions.....	4
1.2	EOI Information.....	5
1.2.1	Processing Fee.....	5
1.2.2	Important Notice to all the Bidders.....	6
1.3	Terms & Conditions of the EOI.....	6
1.3.1	Conditions under which this EOI is issued.....	6
1.3.2	Rights to the content of the proposal.....	7
1.3.3	Acknowledgment of Understanding of Terms.....	7
1.3.4	Pre-Bid Meeting and Clarifications.....	7
1.3.5	Clarifications and Amendments of EOI document.....	8
1.3.6	Preparation of the Proposal.....	8
1.3.7	Submission of the Proposal.....	9
1.3.8	Proposal Validity.....	9
1.4	General conditions of the EOI.....	9
1.4.1	Confidentiality.....	9
1.4.2	Conflict of Interest.....	9
1.4.3	Right to accept or reject any or all proposals.....	10
1.4.4	Fraud and corrupt practices.....	10
1.4.5	Agency's code of conduct and business ethics.....	11
2	Purpose of EOI & Broad Scope of Work.....	13
2.1	Background.....	13
2.1.1	BECIL.....	13
2.2	Scope of the Project.....	13
3	Qualification Criteria & Proposal Evaluation.....	16
3.1	Qualification Criteria.....	16
3.1.1	Qualification Evaluation Criteria-Financial.....	16
3.2	Proposal Evaluation.....	17
4	Annexure.....	19
4.1	Annexure1: Proposal Covering Letter (On Bidder's Letter Head).....	19
4.2	Annexure2: Bidder's General Information (On Bidder's Letter Head).....	20
4.3	Annexure3: Declaration Letter (On Bidder's Letter Head).....	21

4.4	Annexure 4: Acceptance Letter (On Bidder's Letter Head).....	22
4.5	Annexure 5: Formats for submission of information in proposal.....	23
4.5.1	Detail of Work Experience (on bidder's Letter Head).....	23
4.5.2	Financial Strength of the Bidder (on bidder's Letter Head).....	24
4.6	Annexure 6: BECIL's MANDATE FORM	25
4.7	Appendix: Technical Specification.....	26 - 40

1 INSTRUCTIONS TO THE BIDDERS

1.1 STANDARD DEFINITIONS

1.	BECIL	Means Broadcast Engineering Consultants India Limited, A Government of India Enterprises–Under Ministry of Information and Broadcasting, responsible for short listing of agencies as per the requirements of Government Departments/any Government Organization.
2.	Bidder/Agency	Means any interested and eligible entity either company registered under Companies Act 1956/2013 who submit their proposals that may provide or provides the Services to any Government Department or Government Organization under the Contract.
3.	Contract	Means the Contract signed by the Parties and all the attached documents listed, i.e. Terms of Reference, the General Conditions and the Appendices.
4.	Project Specific Information	Means such part of the Instructions to Bidders used to reflect specific project and assignment conditions.
5.	Day	Means calendar day
6.	Government	Means the Government of India
7.	Instructions to Bidders	Means the document, which provides bidders with alignment information needed to prepare their proposals.
8.	Personnel	Means professionals and support staff provided by the bidder.
9.	Proposal	Means the Technical Proposal and the Financial Proposal Read separately and also together
10.	EOI	Means the Expression of Interest prepared by the BECIL for The short listing of Agencies.
11.	Assignment/Job	Means the work to be performed by the bidder pursuant To the Contract.
12.	RFP	RFP means the document issued to the shortlisted bidders/agencies which includes terms and conditions, the objectives, scope of work, activities, tasks to be performed, respective responsibilities of any Government Department or Government Organization and the bidder, and expected results and deliverables of the Assignments/job.

1.2. EOI INFORMATION

S. No.	Description	Remarks
1.	Name of Assignment	EMPANELMENT OF AGENCY FOR SUPPLY OF HEALTHCARE EQUIPMENTS
2.	Tender Reference No.	BECIL/PROJ/ITS&AV/Healthcare/2020
3.	Tender Type	Open
4.	Tender Mode	Offline / Online
5.	EOI Release Date	10 April 2020
6.	Last Date of Submission	17 April 2020 at 1200 Hrs
7.	Date of Opening of Proposals	17 April 2020 at 1700 Hrs
8.	Location of Proposal Opening	<u>Broadcast Engineering Consultants India Limited, 56-A/17, Block-C, Sector-62, Noida-201307(U.P.)</u>
9.	Contact Details for Correspondence	Shri. Raman Rana (Manager, BECIL) raman.rana@becil.com Shri. Rajeew Sharma (Manager, BECIL) rajeew@becil.com
10.	EOI Category	Supply/Services
11.	Processing Fee (non-refundable)	INR 50,000/- (INR Fifty Thousand Only)
12.	Proposal Validity period	The EOI process will conclude with short listing of agencies, there after RFP process will be taken up to hire the agency forward of contract. Proposal shall remain valid till conclusion of RFP
13.	Period of Contract	1 Years

1.2.1 Processing Fee

The proposal shall be accompanied by a non-refundable processing fee of an amount of **INR 50,000 /- (INR Fifty thousand only)** by way of Demand Draft / Bankers Cheque payable in the favor of **“Broadcast Engineering Consultants India Limited, New Delhi”** from any scheduled bank. Also, The Processing can also be deposited via Online Mode through NEFT /RTGS. The Banking details will be attached as Appendix. The Processing Fee shall be deposited at **BROADCAST ENGINEERING CONSULTANTS INDIA LIMITED, 56-A/17, BLOCK-C, SECTOR-62, NOIDA-201307(U.P.)**.

1.2.2 Important Notice to all the Bidders

- a) An incomplete or ambiguous or conditional or late proposal is liable to be summarily rejected.
- b) The bidder must attest the original EOI document with authorized signature and stamp as an acceptance of the EOI terms and conditions and submit the same along with the EOI response. In case of non-compliance, the proposal is liable to be summarily rejected.

Note:

- i As a part of pre-bid if there are changes in submission format, then all the proposals submitted till that time will be null and void. The bidder has to resubmit the proposals again. BECIL will not take any responsibility for any lapse what so ever on account of this issue.
- ii Compliance to registration requirements and payment regarding the same etc. and timely uploading of the proposals will be responsibility of the bidder.

1.3 TERMS & CONDITIONS OF THE EOI

1.3.1 Conditions under which this EOI is issued

- a. This EOI is not an offer and is issued with no commitment. BECIL reserve the right to withdraw the EOI and change or vary any part thereof at any stage. BECIL also reserve the right to disqualify any bidder, should it be so necessary at any stage. BECIL may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumption contained in this EOI. These amendments will officially be notified on BECIL's website.
- b. This EOI supersedes and replaces any previous public documentation & communications, and bidders should place no reliance on such communications.
- c. BECIL reserve the right to withdraw this EOI, alter/modify the conditions mentioned in this EOI document at any state of the bidding process.
- d. Timing and sequence of events resulting from this EOI shall ultimately be determined by BECIL
- e. No oral conversations or agreements with any official or employee of BECIL shall affect or modify any terms of this EOI and any alleged oral agreement or arrangement made by a bidder with any department, entity, official or employee of BECIL shall be super seeded by the definitive contract the at results from this EOI process. Oral communications by BECIL to bidders shall not be considered binding on BECIL, nor shall any written materials provided by any person other than BECIL.
- f. Neither the bidder nor any of the bidder's representatives shall have any claims what so ever against BECIL or any of their respective officials, agents, or employees arising out of, or relating to this EOI or these procedures (other than those arising under a definitive service contract with the bidder in accordance with the terms there of).
- g. Bidders who are found to canvass, influence or attempt to influence in any manner the qualification or selection process, including without limitation, by offering bribes or other illegal gratification, shall be disqualified from the process at any stage.
- h. In case of any dispute arising, the decision of the BECIL will be final.
- i. The jurisdiction in case of disputes shall be the Courts of Delhi/New Delhi.

1.3.2 Rights to the content of the proposal

For all the proposals received before the last date and time of proposal submission, the proposals and accompanying documentation of the qualification proposal will become the property of BECIL and will not be returned after opening of the qualification proposal. BECIL is not restricted in its rights to use or disclose any or all of the information contained in the proposal and can do so without compensation to the bidders. BECIL shall not be bound by any language in the proposal indicating the confidentiality of the proposal or any other restriction on its use or disclosure.

1.3.3 Acknowledgment of understanding of terms

- a. By submitting a proposal, each bidder shall be deemed to acknowledge that it has carefully read all sections of this EOI, including all forms, schedules and annexure here to, and has fully informed itself and agrees to accept as to all existing conditions and limitations.
- b. All information supplied by bidders may be treated as contractually binding on the bidders, on successful award of the assignment by the BECIL on the basis of this EOI.

1.3.4 Pre-Bid Meeting and Clarifications

a) Bidder's Queries

- i. BECIL shall hold a pre-bid meeting with the prospective bidders at Broadcast Engineering Consultants India Limited, 56-A/17, Block-C, Sector-62, Noida-201307 (U.P) as per schedule given.
- ii. The Bidders will have to ensure that their queries for Pre-Bid meeting should reach to Sh. Raman Rana, Manager, BECIL by email (raman.rana@becil.com) preferably on or before 14 April 2020 by 12:00 Hrs.
- iii. BECIL shall not be responsible for ensuring that the bidders' queries have been received by them. Any requests for clarifications after the indicated date and time will not be entertained by the BECIL.
- iv. The queries should necessarily be submitted in the following format.

S. No.	EOI Document Reference (s)(Section & Page Number(s))	Content of EOI require Clarification(s)	Points of Clarification

b) Responses to Pre-Bid Queries and issue of Corrigendum

- i. At any time prior to the last date for receipt to proposals, BECIL may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the EOI Document by a corrigendum.
- ii. The Corrigendum(if any)& clarifications to the queries from all bidders will be posted on the website as mentioned in Para 1.2.4(c).
- ii. Any such corrigendum shall be deemed to be incorporate into this EOI.

iii. In order to provide prospective Bidders reasonable time for taking the corrigendum into account, BECIL may, at its discretion, extend the last date for the receipt of Proposals.

iv. As a part of pre-bid if there are changes in submission format, then all the proposals submitted till that time will be null and void. The bidder has to re-submit the proposals. BECIL will not take any responsibility for any lapse whatsoever on account of this issue.

1.3.5 Clarifications and Amendments of EOI document

- a. Bidders may request a clarification on any clause of the EOI document. Any request for clarification must be sent in writing, or by standard electronic means to the BECIL address. BECIL will respond in writing, or by standard electronic means and will send written copies of the response (including an explanation of the query but without identifying the source of inquiry) to all bidders. Should the BECIL deem it necessary to amend the EOI as a result of a clarification, it shall do so following the procedure under para b) below.
- b. At any time before the submission of proposal, BECIL may amend the EOI by issuing an addendum in writing or by standard electronic means. The addendum will be binding to all the prospective bidders. To give bidders reasonable time in which to take an amendment into account in their proposals BECIL may, if the amendment is substantial, extend the deadline for the submission of proposals.

1.3.6 Preparation of the Proposal

At the time of submission of proposal, the bidder has to ensure that each page numbered and is duly signed by the bidder or his duly authorized representative. In case the proposal is signed by the authorized representative, a letter of authorization should be enclosed with the proposal.

a) Proposal Content

All the forms provided in the annexure should be submitted with relevant information and documents as asked in the EOI document. Proposal must be submitted in the form of all the duly signed forms as per Annexure of EOI & other undertakings. Proposal should be a complete document. A compliance statement offering the compliance to various clauses of the EOI should be signed and attached with the proposal.

b) Proposal Preparation Cost

The bidder shall bear all its cost associated with or relating to the preparation and submission of its proposal, including, but not limited to preparation, copying postage, delivery fees, costs incurred in conduct of informative and other diligence activities, participation in meetings/discussions/ presentations, in providing any additional information required by BECIL to facilitate the evaluation process, and in negotiating a definitive contractor all such activities related to the bid process. BECIL will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process

c) Language of the Proposal

The Proposal all the correspondence and documents should be filled by the bidders in English language only. If any supporting documents submitted are in any language other than English, translation of the same in English language is to be duly attested by the Agencies. For purposes of interpretation of the documents, the English translation shall govern.

1.3.7 Submission of the Proposal

The bidders are advised to study the EOI document carefully. Submission of Proposal shall be deemed to have been done after careful study and examination of the EOI document with full understanding of its implications. Bidders shall submit their responses till 14 April 2020.

1.3.8 Proposal Validity

EOI process will conclude with short listing of agencies, there after RFP process will be taken up to hire the agency for award of contract. Proposal shall remain valid till conclusion of RFP process.

1.4. GENERAL CONDITIONS OF THE EOI

1.4.1 Confidentiality

Information relating to evaluation of proposal and recommendations concerning awards shall not be disclosed to the bidders who submitted the proposal or to other persons not officially concerned with the process, until the publication of the award of contract. The undue use by any bidder of confidential information related to the process may result in the rejection of its proposal and may be subject to the provisions of BECIL's antifraud and corruption policy.

1.4.2 Conflict of Interest

- a) BECIL requires that bidders provide professional, objective, and impartial advice and at all times and hold the Government Departments/Any Government Organization's interests paramount, strictly avoiding conflicts with other Assignment/jobs or their own corporate interests and act without any consideration for future work.
- b) Without limitation on the generality of the foregoing, bidders, and any of their affiliates, shall be considered to have a conflict of interest and shall not be engaged, under any of the circumstances set forth below:
 - i. **Conflicting activities:** A bidder that has been engaged by the Government Departments/Any Government Organization to provide goods, works or assignment/ job other than consulting assignment/ job for a project and any of its affiliates, shall be disqualified from providing consulting assignment/job related to those goods, works or Assignment/job. Conversely, a bidder hired to provide consulting assignment/job for the preparation or implementation of a project and any of its affiliates, shall be disqualified from subsequently providing goods or works or assignment/job other than consulting assignment/job resulting from or directly related to the bidder's consulting assignment/job for such preparation or implementation. For the purpose of this paragraph, assignment/job other than consulting assignment/job a redefined as those leading to a measurable physical output.
 - ii. **Conflicting Assignment/job:** A bidder (including its Personnel and Sub-contractors) or any of its affiliates shall not be hired for any Assignment/job that by its nature, may be in conflict with another assignment/job of the bidder to be executed for Government Departments/Any Government Organization.
 - iii. **Conflicting relationships:** A bidder(including its Personnel and Sub-contractors)that has a business or family relationship with a member of the Government Departments/ Any Government Organization's staff who is

directly or indirectly involved in any part of (i) the preparation of the Scope of Work related to the assignment/ job, (ii) the selection process for such assignment/ job, or (iii) supervision of the Contract, may not be awarded a Contract, unless the conflicts arising from this relationship have been resolved in a manner acceptable to the Government Departments/Any Government Organization throughout the selection process and the execution of the Contract.

- c) Bidders have an obligation to disclose any situation of actual or potential conflict that impacts their capacity to serve the best interest of Government Departments/Any Government Organization, or that may reasonably be perceived as having this effect. Any such disclosure shall be made as per the Standard forms of technical proposal provided herewith. If the bidder fails to disclose said situations and if the Government Departments/ Any Government Organization comes to know about any such situation at any time later, it may lead to the disqualification of the bidder during bidding process or the termination of its Contract during execution of assignment.

1.4.3 Right to accept or reject any or all proposals

- a) Notwithstanding anything contained in this document, BECIL reserves the right to accept or reject any proposal and to annul the Selection Process and reject all proposals, at any time without any liability or any obligation for such acceptance, rejection or annulment, and without assigning any reasons thereof.
- b) BECIL reserves the right to reject any proposal if: (a) at any time, a material misrepresentation is made or discovered, or (b) the bidder does not provide, within the time specified by the BECIL, the supplemental information sought by the BECIL for evaluation of the proposal. Misrepresentation/improper response by the bidder may lead to the disqualification of the bidder.

1.4.4 Fraud and corrupt practices

- a) The Bidders and their respective officers, employees, agents and advisers shall observe the highest standard of ethics during the Selection Process. Notwithstanding anything to the contrary contained in this document, BECIL shall reject a proposal without being liable in any manner whatsoever to the bidder, if it determines that the bidder has, directly or indirectly or through an agent, engaged in corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice (collectively the "Prohibited Practices") in the Selection Process. In such an event, the BECIL shall, without prejudice to its any other rights or remedies, forfeit the EMD, as the case may be, as mutually agreed genuine pre-estimated compensation and damages payable to the BECIL for, *inter alia*, time, cost and effort of BECIL, in regard to this document, including consideration and evaluation of such bidder's proposal.
- b) Without prejudice to the rights of the BECIL herein above and the rights and remedies which the BECIL may have under the contract, if bidder is found by BECIL to have directly or indirectly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice during the Selection Process, or after the execution of the contract, such bidder shall not be eligible to participate in any tender or EOI or RFP issued by BECIL during a period of three years from the date such Bidder, as the case may be, is

found by BECIL to have directly or through an agent, engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice.

- c) For the purposes of this Para, the following terms shall have the meaning hereinafter respectively assigned to them: (a)"corrupt practice" means(i) the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of any person connected with the Selection Process(for avoidance of doubt, offering of employment to or employing or engaging in any manner whatsoever, directly or indirectly, any official of the BECIL who is or has been associated in any manner, directly or indirectly with the Selection Processor has dealt with matters concerning the contractor arising there from, before or after the execution there of, at any time prior to the expiry of one year from the date such official resigns or retires from or otherwise ceases to be in the service of BECIL, shall be deemed to constitute influencing the actions of a person connected with the Selection Process);or(ii) save as provided here in, engaging in any manner whatsoever, whether during the Selection Process or after the execution of the contract, as the case may be, any person in respect of any matter relating to the Projector the contract, who at anytime has been or is a legal, financial or technical Entity advisor of Government Departments/Any Government Organization in relation to any matter concerning the Project;(b)"fraudulent practice" means a misrepresentation or omission of facts or disclosure of incomplete facts, in order to influence the Selection Process;(c) "coercive practice" means impairing or harming or threatening to impair or harm, directly or in directly, any persons or property to influence any person's participation or action in the Selection Process;
- (d)"undesirable practice" means (i)establishing contact with any person connected with or employed or engaged by Government Departments/Any Government Organization with the objective of canvassing, lobbying or in any manner influencing or attempting to influence the Selection Process; or(ii)having a Conflict of Interest; and
- (e)"restrictive practice" means forming a cartel or arriving at any understanding or arrangement among Applicants with the objective of restricting or manipulating a full and fair competition in the Selection Process.

1.4.5 Agency's code of conduct and business ethics

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

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

b) Integrity, indemnity & limitation: Agencies shall maintain high degree of integrity during the course of its dealings with business/contractual relationship with BECIL. If it is discovered at any stage that any business/contract was secured by playing fraud or misrepresentation or suspension of material facts, such contract shall be voidable at the

sole option of the competent authority of BECIL. For avoidance of doubts, no rights shall accrue to the agency in relation to such business/contract and BECIL or any entity there of shall not have or incur any obligation in respect thereof. The agency shall indemnify BECIL in respect of any loss or damage suffered by BECIL on account of such fraud, misrepresentation or suspension of material facts.

c) Reporting Misconduct: Agencies are required to report any misconduct / violations / improper demands from BECIL employees to the Chief Vigilance Officer / Director (O&M)/CMD.

No Communication shall been courage to any other authority/external sources in this regards.

2. PURPOSE OF EOI & BROAD SCOPE OF WORK

The purpose of this EOI is the empanelment of agency for supply of Healthcare Equipment's in India.

2.1. BACKGROUND

2.1.1 BECIL

Broadcast Engineering Consultants India Limited (BECIL) an ISO 9001:2015, ISO 27001:2013 and ISO/IEC 20000:2012 certified, Mini Ratna, Central Public Sector Enterprise of Government of India was established on 24th March 1995. BECIL provides project consultancy services and turnkey solutions encompassing the entire gamut of radio and television broadcast engineering viz; content production facilities, terrestrial transmission facilities, satellite and cable broadcasting facilities in India and abroad. It also provides associated services like building design and construction related to broadcasting, human resource related activities like training and providing manpower. BECIL also undertakes supply of specialized communication, monitoring, security and surveillance systems to defense, police and para-military departments. BECIL has its head office in Delhi and corporate office in Noida. The regional office is in Bangalore.

Over the years, BECIL has consciously groomed and developed a team of in-house, versatile and dedicated engineers and also cultivated and harnessing a vast reservoir of professionals drawn from various fields of broadcasting industry which includes public and private broad- casters, defense and cable industry. Through this network of resourceful technical professionals, BECIL has established its pan India presence to serve the needs of the industry.

BECIL has a vast reservoir of experts and integrates the expertise of All India Radio (AIR) and Doordarshan (DD), the national broadcaster of India, creating one of the largest Radio Networks catering to nearly a billion people and the world's largest Terrestrial Television Network supplemented by Analogue and Digital satellite Broadcasting services reaching out to millions of TV homes in India and abroad.

BECIL works as consultancy agency, system integrator as well as a turnkey solution provider in the fields of Broadcast Engineering and Information & Communication Technology.

SCOPE OF THE PROJECT

PRODUCT REQUIREMENT:

S. No.	Item Description
1	Sanitization / Disinfection Chamber
2	COVID -19 Test Kit
3	Rescue Team GPS Location Monitoring System
4	Personal Protective Coverall (Garments) along with shoe cover
5	Personal Protective Goggles

6	N95 face mask with expiratory valve mask
7	Nitrile Gloves
8	Hospital Air Purifier
9	Nurse Call System
10	Triple Layer Surgical mask
11	Face Shield
12	Ventilator
13	Modular Isolation Chambers
14	Integrated Unified Messaging system
15	Disaster Management System / Application (with CCC)
16	IoT based ICT systems
17	Patient Movement Monitoring system
18	Assets Movement Monitoring system
19	Oxygen Plant
20	Smart ICU
21	Isolation Rooms / Isolation Ward
22	Mobile Air Ventilation Mask

NOTE:

- a) The product requirement are on urgent basis and hence bidders must provide a delivery Schedule for the items mentioned in the above table.
- b) The offered product(s) must comply with the specification mentioned in the **APPENDIX**.
- c) In addition to this, standard norms provided by concerned health authorities / ICMR for specification will prevail. Also, BECIL reserves the right to change the specifications as per end customer requirement.
- d) Bidders are required to submit all the requisite accreditations / certification for the product in the table above.
- e) Bidders / Manufacturer need to submit a compliance certificate from the principal manufacturer that the specification of the offered product is 100% complying with the specification.
- f) Bidder / Manufacturer should submit relevant brochure and technical data sheet and certificates for the offered product(s)

2. Standard Requirement from Bidder

As a part of EoI, agency will have to submit a detailed technical proposal of offered solution which should include following:

- Technical solution write-up.
- Components of the solution.
- Make & models of items along technical specifications.
- Technical Literature/brochures of offered solution along with Data Sheets.
- After Service Backup – All up-gradation in Software & Hardware will be provided upto 12 Months free of Cost.
- Details of Previous installation of proposed solution (if any), Documentary Proof, Work Orders etc.
- This EoI does not commit BECIL to award a contract or to engage in negotiations.
- BECIL reserves the right to accept or reject any or all proposals without assigning any reasons whatsoever. BECIL decision in this matter will be final.

3. Provide the distributor list/channel partner for services/spare part etc.
-

3. QUALIFICATION CRITERIA & PROPOSAL EVALUATION

3.1. QUALIFICATION CRITERIA

The bidders that meet ALL of the following qualification criteria need only apply. The bidder shall fulfill all of the following qualification criteria independently on the date of submission of proposal or as specified in the criteria:

3.1.1 Qualification Evaluation Criteria-Financial

Sl. No.	Criteria	Compliance (Yes/No)	Supporting Documents To Be Submitted
1	Bidder Should be company registered under Companies Act 1956/2013 and The Bidder must have been in operation for a minimum of 3 years as on the date of the issue.		Signed and Stamped Form as per Annexure-2 With copies of supporting Documents.
2	Mandatory Certificates/Undertakings		
	Bidder Members should not have been blacklisted by any of the Central Government or State Government or any organization under Central/ State Government. Should not have been found guilty of any criminal offence by any court of law in India or abroad.		Undertaking on Company's Letterhead
	Bidder and its directors and officers should not have 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 disqualified pursuant to debarment proceedings		Undertaking on Company's Letterhead _____
	Bidder should not have a conflict of interest in the procurement in question as specified in the bidding documents. Comply with the code of integrity as specified in the bidding document		Self-Declaration/Certification on letter head.
3	Tax Registration: The Bidder should submit		Signed and Stamped Form as per Annexure-2
	a. GSTIN		
	b. PAN		
	c. Company Registration Certificate		
	d. MSME Certificate (if applicable)		
	e. Start up India Certificate (if applicable)		

4.	Business Turnover: Bidder should have an average annual turnover of INR 50 Lakhs (turnover) in as an average of consecutive three financial years.		Signed and Stamped Form as per para 4.5.2 of Annexure - 4 Note: Exemption for all Startup / MSME registered companies with valid registration certificate.
5.	Processing Fee: The proposal shall be accompanied by a non-refundable processing fee of an amount of INR 50,000 /- (INR Fifty thousand only)		Receipt having UTR number needs to be provided with the EOI. Note: Exemption of Processing fee for all Startup / MSME registered companies with valid registration certificate.

3.2. PROPOSAL EVALUATION

- a) The bidders' proposals will be evaluated as per the requirements specified in the EOI and adopting the qualification criteria as spelt out in this EOI. The Bidders are required to submit all required documentation as per qualification criteria as specified in EOI.
- b) It will be bidder's responsibility to furnish sufficient and relevant information / documents in support of their claim that they meet the requirements in the qualification criteria fully.
- c) EOI proposals received by the **Technical Evaluation Committee** constituted by competent authority.
- d) Evaluation of proposals shall be based on:
 - i. Information contained in the proposal, the documents annexed there to and clarifications provided, if any.
 - ii. Experience and Assessment of the capability of the bidder based on past record.
 - iii. Comments on ToR/Scope of Work as per annexure provided in EOI document.
 - iv. If required, the bidders are required to **submit the sample** before the TEC for 15 – 20 days.
- e) BECIL reserves right to seek any clarifications on the already submitted bid documents; however no fresh documents shall be accepted in support of proposals.
- f) Conditional proposals shall NOT be accepted on any ground and shall be rejected straight way. If any clarification is required, the same should be obtained before submission of the proposals.
- g) Even though bidders satisfy the necessary requirements they are subject to disqualification if they have:
 - i. Made untrue or false representation in the form, statements required in the EOI document.
 - ii. Records of poor performance such as abandoning work, not properly completing contract, financial failures or delayed completion.

3.3 ARBITRATION CLAUSE

- i. Any dispute or difference or claim arising out of or in relation to this contract, including the construction, validity, performance or breach thereof, shall be settled or decided by arbitration to be conducted by CMD, BECIL or by any other person to be nominated by CMD, BECIL. Arbitration shall be conducted as per Arbitration & Conciliation Act, 1996. The seat of the arbitration shall be at New Delhi.
 - ii. The agency must ensure that there is no legal action/dispute initiated or pending at the time of signing of contract and during the execution and implementation (i.e. currency) of the project which is likely to concern or affect BECIL in any manner. If any such case is found pending, the contract will automatically become invalid and the agency will be penalized by withholding the EMD, PBG and legal action will be initiated as deemed fit by the competent authority. All ongoing and future business association with BECIL will also be terminated.
-

4. ANNEXURES

4.1. ANNEXURE 1: PROPOSAL COVERING LETTER (ON BIDDER'S LETTERHEAD)

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

Subject: Submission of the Proposal for <insert EOI Name> <EOI No.>

Dear Sir,

1. We, the undersigned, offer to provide services to BECIL with reference to your Expression of Interest <insert EOI Name> dated <insert EOI date> and our Proposal. We are hereby submitting our proposal.
2. We hereby declare that all the information and statements made in this proposal are true and accept that any misinterpretation contained in it may lead to our disqualification.
3. We agree to abide by all the terms and conditions of all the volumes of this EOI document. We would hold the terms of our proposal valid for the number of days as stipulated in the EOI document.

Yours sincerely,

(Authorized Signatory)

Signature:

Name:

Designation:

Address:

Seal:

Date:

4.2 ANNEXURE 2: BIDDER'S GENERAL INFORMATION (ON BIDDER'S LETTER HEAD)

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

1.	Name of Bidder	
2.	Type of Bidder(registered company under Indian Companies Act, 1956/2013)	
3.	Year of establishment	
4.	Address of registered office with telephone no. and fax no.	
5.	Address of office/sin National Capital Region of Delhi	
6.	A profile of the bidder clearly declaring The domain specific expertise/experience of the bidder	
7.	No. of years of Experience in consulting /advisory services	
8.	Permanent Account No.	
9.	GSTN Reg. No.	
10.	Whether the firm has been blacklisted By any Central Govt. /State Govt./PSU/ Govt. Bodies/Autonomous? If yes, details thereof.	
11.	Status and details of disputes/litigation/arbitration, if any.	
12.	Name, Designation and address of the Officer to whom all references shall be made regarding this EOI	
13.	Contact details of Authorized signatory In reference to this EOI	

(Authorized Signatory)

Signature:

Name:

Designation:

Address:

Seal:

Date:

4.3 ANNEXURE3:DECLARATION LETTER(ON BIDDER'S LETTER HEAD)

DECLARATION

- i. I, <Name & Designation>solemnly affirm that the facts stated above are correct and nothing has been withheld. If any information submitted above, is found to be false or fabricated, I may be liable to be debarred from Engagement.
- ii. I permit BECIL to inspect my records to ascertain the above facts.
- iii. I permit BECIL to cross check the above facts from any other source.
- iv. I or my authorized representative, if required by BECIL, would make a presentation before the duly constituted Committee at my own cost.
- v. I will abide by the decision of BECIL regarding Engagement.
- vi. I have read & understood the EOI document and agree to all the terms & conditions stated there in.

(Authorized Signatory)

Signature:

Name:

Designation:

Address:

Seal:

Date:

ANNEXURE 4: ACCEPTANCE LETTER (ON BIDDER'S LETTER HEAD)

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

Subject: Acceptance of EOI Terms & Conditions of <EOI No.>

Dear Sir,

1. I/We hereby certify that I/We have understood and clarified the entire terms and conditions of the EOI documents and I/We shall abide by the conditions/clauses contained therein.
2. I/We hereby unconditionally accept the EOI conditions of EOI document in its entirety for the above work.
3. The contents of clauses of the EOI documents have been noted where in it is clarified that after unconditionally accepting the EOI conditions in its entirety, it is not permissible to put any remarks/conditions in the EOI and the same has been followed in the present case. In case, this provision of the EOI is found violated after opening the proposal. I/We agree that the EOI shall be rejected and Government Departments/Any Government Organization shall without prejudice to say other right or remedy bear liberty to forfeit the said earnest money absolutely,
4. 'That, I/We declare that I/We have not paid and will not pay any bribe to any officer of BECIL for awarding this contract at any stage during its execution or at the time of payment of bills, and further if any officer of BECIL asks for bribe/gratification, I/We will immediately report it to the Appropriate Authority'.

Yours sincerely,

(Authorized Signatory)

Signature:

Name:

Designation:

Address:

Seal:

Date:

4.5. ANNEXURE 5: FORMATS FOR SUBMISSION OF INFORMATION IN PROPOSAL

4.5.1 Detail of Work Experience (on bidder's Letter Head)

Experience of Similar Work done

S. No.	Client Name	Work Order Ref. No.	Date of WO	Date of Start	Date of Completion (if any)	Scope of Work	Amount Of Work Order

(Authorized Signatory)

Signature:

Name:

Designation:

Address:

Seal:

Date:

4.5.2. Financial Strength of the Bidder (on bidder's Letter Head)

S. No.	Financial Year	Net-worth Status (Positive/Negative)	Whether Profitable (Yes/No)	Annual Profit Before Tax (in Lakhs of ₹)	Overall Annual Turnover (in Crores of ₹)	Annual Turnover (in Crores of ₹)
	2016-17					
	2017-18					
	2018-19					

(Note: Auditor's certificate should be submitted along with proposal)

(Authorized Signatory)

Signature:

Name:

Designation:

Address:

Seal:

Date:

BECIL MANDATE FORM

कापेरिशन बैंक

(सार्वजनिक क्षेत्र का अखिल बैंक)

लोधी कोम्प्लेक्स शाखा

ब्लॉक -11, भू-तल, सीजीओ कोम्प्लेक्स

फेज -1, लोधी रोड

नई दिल्ली - 110 003



Corporation Bank

(A Premier Public sector Bank)

LODHI COMPLEX BRANCH

Block-11, Ground Floor, CGO complex

Phase 1, Lodhi Road

NEW DELHI 110 003

Mandate Form

The details for the facilitating the payments are given below:

A	Name of the Beneficiary	BROADCAST ENGINEERING CONSULTANTS INDIA LIMITED
i	Address with Pin Code	C-56/A-17, Sector-62, Noida -201307 (UP)
ii	Permanent Accountat Number	AAACB2575L
iii	(a) Telephone Number with STD Code	120-4177850
	(b) Fax Number	0120-4177879
	(c-) Contract Person	Awadhesh Pandit , AGM (F&A) Mobile Number -8130918866
	(d) E-Mail Address	panditmd@becil.com
B	Bank Particulars	
i	Bank Name	Corporation Bank
ii	Bank Telephone No.with STD Code	011-24369891
iii	Branch Address with Pin Code	CGO Complex, Lodhi Road, New Delhi -110003
iv	Bank E-Mail	cb0371@corpbank.co.in
v	11 Character IFSC Code of the Bank (Either enclosed a Cancelled Cheque or Obtain Bank Certificate as Appended)	CORP0000371
vi	Bank Account Number as Appering on the Cheque Book	565101000065461
vii	Bank Account Type (Tick One)	Overdraft Account
viii	If Others, Specify	-

Certified that the particulars furnished above are correct as per our records.

For Corporation Bank

(Signature) / Sr. Manager

लोधी कोम्प्लेक्स शाखा, नई दिल्ली

CGO Complex Branch, New Delhi

Bank Stamp With Authorised Signatory

Date: 06/02/2018

फोन PHONE 011-24392051,24369891,24361469, फैक्स FAX 011-24363542 ई-मेल E-mail -

cb0371@corpbank.co.in

"हिन्दी का प्रयोग करें यह आसान है।"

APPENDIX

TECHNICAL SPECIFICATIONS

DISINFECTION or SANITIZATION CHAMBER

S.no.	Technical Specification	Description
1	CHAMBER	Overall Size: 2000 x 1500 x 2600 mm OR Customized Size
	Material of construction	Stainless Steel
	Frame	Square Pipe 38x38 mm 14 Gauge (or above) Stainless Steel 304 Grade
	Sides & Roof Covering	Detachable / Non Detachable sides & roof 6 mm OR Customized Size
	Base & Pedal Part	Mild Steel / Anodized Aluminium Chequered Plate Thickness: 4 mm or above
	Castors	6 inches high swivel type wheels with brakes
	Passage Lightining	Make with required lumex as per the room size
2	Foggers / Misters	High Pressure 14-20 nos. with high pressure nylon /PE-AL-PE composite pipes + Brass / SS / Composite fittings
3	INDUCTIVE HAND WASH SINK (Optional)	Overall Size: 450x350x300 + 150 mm OR Customized Size
	Material of construction	Stainless Steel
	Sink	Sink fabrication in 16 gauge 304 grade stainless steel sheet - Custom Fabricated
	Faucet	Inductive/Sensor operated faucet
4	INFRARED TEMPERATURE MEASUREMENT DEVICE	IR Device
5	DISINFECTION ATOMIZATION DEVICE	
6	Disinfection Chemical	Ionised water or Food Grade Disinfection

TECHNICAL SPECIFICATIONS OF VENTILATOR

S.No.	Parameter	Essential Features
1	The ventilator should be microprocessor based with active exhalation valve	
2	The ventilator should be turbine based / run on compressor .the compressor (if available) should be stand alone and from the same manufacturer with price quoted separately	
3	Suitable for use in ICU for adult,pediatric patients	
4	Should undergo automatic calibration system on start-up.	
5	It should have in-built programmable ultrasonic nebulizer/external nebulizer	
6	Screen size	6.5 inch or more in size
7	Modes available	PC-CMV, PC-SIMV, PSV, VC-SIMV, VC-CMV, PRVC, ACV, CPAP, BPAP
8	Ventilator settings	
8.1	PEAK pressure	60 cm H ₂ O
8.2	Peak respiratory rate	60 breadth per minute
8.3	Inspiratory rate	At least 0.3 -2.5 seconds
8.4	Tidal volume	50 ml to 2000 ml
8.5	Peak flow rate	240 lit / min
8.6	PEEP	0 cm H ₂ O to 30 cm H ₂ O
8.7	Pressure support	0-40 cm H ₂ O
8.8	Inspiratory pause	Available
8.9	I:E ratio	1:4 to 4:1
8.10	Trigger flow sensitivity	1 litre per min to 10 litre per min.
8.11	Programmable /adjustable SIGH	
8.12	Leak volume compensation	
8.13	Volume accuracy	2-3% of the full scale between (10 L/min – 80 L/min)
9	Monitored parameters	
9.1	Respiratory phase and type	Yes
9.2	Exhaled tidal and minute volume	Yes
9.3	Respiratory rate	Yes
9.4	Total leak percentage /leak volume	Yes
9.5	Spontaneous minute volume	Yes
9.6	I:E ratio	Yes
9.7	Peak inspiratory and end Expiratory pressure	Yes
9.8	Mean and plateau pressure	Yes
9.9	Auto/intrinsic PEEP	Yes
9.10	RSBI	
9.11	Static compliance and resistance	
9.12	Low inflection point (LIP) and upper inflection point (UIP)	
9.13	Maximum inspiratory pressure	
9.14	Long recruitment maneuver & Monitoring Should have graphics mode with display of following scalers :	Yes

10.	<ul style="list-style-type: none"> Flow vs time Pressure vs Time Volume vs Time 	
11.	Should have display of loops : <ul style="list-style-type: none"> Flow/ volume Pressure/volume Pressure / flow 	
12.	ALARMS	
12.1	Power disconnected	Power supply unplugged
12.2	Patient disconnected	PIP < (desired pressure * 0.6)
12.3	High inspiratory pressure	PIP < (desired pressure * 0.6)
12.4	High PEEP	PEEP > Set PEEP +2 or 6 consecutive cycles
12.5	High respiratory rate	RR>70
12.6	Power sensor failure	Power sensors fails to respond
12.7	Read / write error	Settings saved in memory could not be read
12.8	Ventilator temperature error	Core Temp of Ventilator CPU greater than 85 degree Celsius
12.9	System failure(safe mode)	Vital components inactive
12.10	Low tidal volume	VTi <Set VT * 0.75 for 6 consecutive cycles
13	Alarm history of > 100 alarms	Yes
14	Should have battery backup of atleast 2 hrs for ventilator	Yes
15	Displayed trends values for 48 hours atleast for above parameters.	Yes
16	Should be approved by reputed national /international certifying agency	Yes
17	Company should have local service centre and should provide service 24x7	Yes
18	Certified for meeting IEC 60601-1-4 medical electric equipment – Part 1-4 : general requirements for safety – collateral standard : programmable electrical medical systems	Yes
19	The service provider should have the necessary equipments recommended by the manufacturer to carry out preventive maintainance test as per guidelines provided in the service /maintainance manual.	Yes
20	All equipment should be from the same manufacturer or OEM (original equipment manufacturer)	Yes
21	Must submit user list and performance report within last five years from major central Govt./state Govt./reputed private hospitals	Yes
22	Battery: 60 watt hour Lithium ion battery (4 hr. backup)	Yes

ESSENTIAL TECHNICAL FEATURES FOR VENTILATOR

- a) The machine should be turbine / compressor based because the installation sites might not have central Oxygen Lines.
 - b) The machine should have Invasive, Non- Invasive and CPAP features to make them versatile.
 - c) 200-600 L tidal volume, Lung Mechanics Display
 - d) Monitoring of plateau Pressure, PEEP, PS, Oxygen Concentration, Lung mechanics /inverse ratio (I:E)
 - e) Pressure & Volume control & PSV
 - f) Continuous working capability for 4-5 days
-

MOBILE AIR VENTILLATION MASK

Size	95*9 3.6*61MM	Recharge Volt	5V, 1A
Weight	83.5 g	Rated Volt	3.7V
Materials	ABS+PC, FDA approved silicone	Battery Duration	6 hours
Efficiency	>98%	Recharge time	2 hours
	Battery (anti explosive soft packed lithium battery)		
Type	NSC series	Working Environment	.-19℃ 60℃
Dimension	36*15.5*7.3mm	High Temp Discharge time	> 4.5 hours
Life time	> 500 times	Low Temp Discharge time	> 3 hours
Over Charge protection Volt	4.28V	Over discharge protection Volt	3V
Overcurrent protection curren	1.3 2.5A	Short circuit protection delay time	220-380 us
Battery volume	760 mA		
	Air Flow Volume		
Speed	Air Flow Volume	Human Body Breathing Volume	
Speed option 1	5.67 m³/h	Normal 0.36 0.5 m³/h	
Speed option 2	6.96 m³/h	Max 4.2 5.2 m³/h	
	Filter		
Layers composition	4 layers: Anti bacteria/Active carbon/H13 HEPA/Non-woven		
Efficiency	99.84%		
Smallest particle	>0.3 μm		
Air flow resistance	41.3 Pa		

HOSPITAL AIR PURIFIER

Item Description	Effective Area	Air change rate/h	Filters					Other details	
	in sqft		Pre-filter	HEPA	Carbon	UV	Filter life	Filter	Body make
A very suitable product for hospitals and healthcare facilities. The products comes with disinfectant SS body. Medical grade H13 HEPA filter. Activated carbon filter and filters are industry largest.	2500-3000	2 to 2.5	Yes	Yes	Yes	Yes	2 years	HEPA 13 Medical Grade CYLINDRICAL FILTERS	Stainless steel

NURSE CALL SYSTEM

Specification	Description
Dimension (mm)	140 x 80 x 18
Remote Dimension	87 x 35 x 12
Handle Length (cm)	52
Material	Aluminium Alloy
Working Current	<18mA
Standby Current	<1uA
Power	<10mW
Working Current	<15mA
Max Working Distance	500-700M
Keys Life	1 Million
IP Grade	IP44

1	Solution Name	Rescue Team / Personnel Tracking GPS SOLUTION
2	Solution Objective	<p>Tracking Norms Violation :</p> <ol style="list-style-type: none"> 1. Geofencing of Zones 2. Providing a wrist watch/ I-Card/ App with GPS to workers /employees which will track workers of their location during working hours. 3. Creating an monitoring data automatically from the wrist watch/ I-Card/ App and the Geofence. 4. If required, Paid Integration of the Monitoring System – The Payroll system to apply pre–defined fines to workers who violated the attendance norms. <p>Impersonation Control :</p> <ol style="list-style-type: none"> 1. The above wrist watch/ I-Card/ App to be provided with camera that can manually take photograph of the person who is wearing the wrist watch/ I-Card/ App. <p>A system that can store all employees reference pictures which will be used regularly by a designated set of supervisory staff to compare with the photos shot by the workers during working hours (if required), to manually compare the photos to determine if the worker on the field is the same as the one who is employed</p> <ol style="list-style-type: none"> 2. AI Based face detection of Employee. <p>Calling Facility (Through Wrist Watch/App/I Card)</p> <ol style="list-style-type: none"> 1. A feature that contributes to the ULB’s ability to assist a person in times of distress or needing urgent help. This feature enables the ULB personnel to reach out to the ULB’s Control and Command Centre by a just a press of a button 2. The picture demonstrates how easy it to call for help. 3. One has to press the RED button, if ever is distress. 4. An ULP personnel in distress will Long-press the SOS button to call. 5. SOS numbers are pre-set by Control Centre 6. Calls are on Round robin basis. If call is declined / times-out, next number is called 7. Cycle above repeats once if Call is unanswered 8. If call is answered, both sides can talk 9. SMS notifies Control Centre in both cases (i.e. whether call Answered or Unanswered) 10. Dual Sim/Esim/Multiple Operator Connectivity. <p>Playback</p> <ol style="list-style-type: none"> 1. A feature that provides an ability to gather historical intelligence on the movement of any ULB person

		<p>2. As part of due diligence, the ULB needs to go back to historical data on the movement on particular personnel empyreal provides that feature for the ULB to go back in history to track the movement of any individual personnel.</p> <p>Live Monitoring</p> <ol style="list-style-type: none"> 1. A feature that provides a near real-time intelligence on the movement of any ULB person (s) 2. This powerful feature has been contributed a big way for ULB's to reach out to its personnel and monitor the movement which has contributed to bettering the performance of the personnel, of course, not replacing but supporting the efforts of the Supervisors and Inspectors in building work efficiencies. 3. Empyreal provides this very powerful graphical feature of live status of individual(s) with in the ULB's with the ability to zoom up to a single individual and monitoring one's movement, during the assigned hours. 4. Empyreal provides a very powerful graphical features of the live status of individual(s) with in the ULBs with the ability to zoom up to a single individual and monitoring one's movement, during the assigned hours. <p>Time-bound In-personification with picture</p> <ol style="list-style-type: none"> 1. A feature using the camera for the manual picture capture of any ULB personnel wearing the wearable device. 2. A challenge for every ULB is to ensure that the right resource is in place for the right work. 3. Real contributes to this need by providing a very powerful feature of manual personification to ULB, enabling the ULB to ensure that the person is the right resource.
3	Solutions Components	<ol style="list-style-type: none"> 1. Wrist watch/I-Card/App with GPS , GPRS, Camera, speaker/microphone etc as the basic requirements to meet the solution objectives of taking attendance. The watch is charged using the built-in USB port on the watch. 2. Cloud based software application

		3. Data Server/Center Should be in India.
4	Implementation Services	<ol style="list-style-type: none"> 1. Configuration of geofencing of the Person/Zones / area provided by BECIL. 2. Capturing of Device data and linking of worker details to the watches issued. 3. Capturing of the photograph of workers. 4. Training the Head of the department to follow steps 2,3 & 4 5. Training the administrator on using the system – 2 days 6. Training supervisors of workers at – 2 days 7. After completion of implementation services
5	Design of the Application Software	<ol style="list-style-type: none"> 1. A prototype will be provided separately and will be the basis of final functionality which will be provided on cloud

TECHNICAL SPECIFICATION OF MEDICAL SUPPLIES

1. Personal Protective Coverall (Garments) - along with shoe cover -option 1

- Impermeable to blood and body fluids
- Single use
- Avoid culturally unacceptable colors e.g. black.
- Light colors are preferable to better detect possible contamination
- Thumb/finger loops to anchor sleeves in place
- Quality compliant with following standard
 - a. Meets or exceeds ISO 16603 class 3 exposure pressure, or equivalent
 - b. EN 14126 (barrier to infective agents) certified.

Note: Bidders shall quote for the Complete coverall (for head to ankle) with separate boot legging.

2. Personal Protective Coverall (Garments) with Tape over seam along with shoe cover - option 2

- Single use
- Avoid culturally unacceptable colours e.g. black
- Light colours are preferable to better detect possible contamination
- The Fabric, Garment/Coverall and Seam should pass Synthetic Blood Penetration test at SITRA, Coimbatore. Manufactures/suppliers submitting the pass certificate as above would be qualify.
- Coverall shall be designed to be universal Fit
- Coverall shall have in built Hood Cap
- Zipper of the coverall shall be covered with a flap to avoid accumulation of microbes
- Soft Elastic to be fitted around Front of hood, wrists & ankles
- Boot Cover:
 - Pair of Boot Covers made of same fabric as of Coverall
 - Soft elastic to be fitted at two levels, ankle and end

3. Goggles

- With transparent glasses, Zero power, well fitting, covered from all sides with elastic band/or adjustable holder.
 - Good seal with the skin of the face.
 - Flexible frame to easily fit all face contours without too much pressure.
 - Covers the eyes and surrounding areas and accommodates for prescription glasses.
 - Fog and scratch resistant.
 - Adjustable band to secure firmly so as not to become loose during clinical activity.
 - Indirect venting to reduce fogging.
 - May be re-usable (provided appropriate arrangements for decontamination are in place) or disposable.
 - Quality compliant with the below standards, or equivalent:
-

- a. EU standard directive 86/686/EEC, EN 166/2002
- b. ANSI/SEA Z87.1-2010

4. N-95 Masks

- Shape that will not collapse easily
- High filtration efficiency
- Good breathability, with expiratory valve
- Quality compliant with standards for surgical N95 respirator:
 - a. NIOSH N95, EN 149 FFP2, or equivalent
- Fluid resistance: minimum 80 mmhg pressure based on ASTM F1862, ISO 22609, or equivalent.
- Quality Compliant with standards for particulate respirator that can be worn with full-face shield

5. Nitrile Gloves (Size 6.5, 7 & 7.5)

- Nitrile
- Non-sterile
- Powder free
- Outer gloves preferably reach mid-forearm (minimum 280mm total length)
- Different sizes (6.5, 7 & 7.5)
- Quality compliant with the below standards, or equivalent:
 - a. EU standard directive 93/42/EEC Class I, EN 455
 - b. EU standard directive 89/686/EEC category III, EN 374
 - c. ANSI/SEA 105-2011
 - d. ASTM D6319-10

6. Face Shield

- Made of clear plastic and provides good visibility to both the wearer and the patient
 - Adjustable band to attach firmly around the head and fit snugly against the forehead
 - Fog resistant (preferable)
 - Completely covers the sides and length of the face
 - May be re-usable (made of material which can be cleaned and disinfected) or disposable
 - Quality compliant with the below standards, or equivalent:
 - a. EU standard directive 86/686/EEC, EN 166/2002
 - b. ANSI/SEA Z87.1-2010
-

7. Triple Layer Surgical mask with elastic band

Three layered surgical mask of non-woven material with nose piece, having filter efficiency of 99% for 3 micron particle size.

A. ISO 13485 / ISO 9001 / EN14683 or equivalent

8. Viral Transport Medium with Swab (Nasal or Throat swab)

9 & 10 - Hand Sanitizer (500ml & 100ml) Option 1:

2 Propanol BP 45 %

1 Propanol BP 30 % Macetronium ethyl sulphate 0.2%

Option 2:.

Isopropyl alcohol IP..... 72%w/w

Quinolone yellow Triclosan

.30% w/w Excipients-q.s

Option 3:.

Chlorhexidine Gluconate soln IP 2.5% v/v Ethyl Alcohol IP

70% v/v

Option 4:

Ethanol - 72.34% v/v Propylene

Glycol - 1%

lycine - 1%


Aloe Vera Extract - 0.1% DM water -

25.56%

11. Sterile Gloves:

 Latex - IS 13422 with ISI mark

12. Non Sterile (Disposable)

 Latex - IS 4148 with ISI mark

13. Digital Infrared Thermometer (any make)

- Measures the body temperature by determining the infrared reflected from the front radiation (no contact).
 - Measuring range of the infrared temperature (body) from 32°C to 42.5°C.
 - Resolution 0.1°C
 - High accuracy +/- 0.2°C
-

- Obtaining quick results: Time response 1 second
- Indication of measured value in °C or °F
- Limit value for the adjustable alarm as programmable
- Distance of measuring: at least 15 cm
- Memory to store (expandable memory desirable)
- Easy to use, robust
- Automatic switch off
- Display backlight glow
- Waterproof lens easy to clean and disinfect
- Batteries: Which are replaceable/chargeable
- High degree of health and safety
- Warranty: At least 3 years
- Accessories:

- I. Carrying case
- II. Data transfer software
- III. User manual

14. Digital Thermal Scanner - Full Body (with sensing to 3m and beyond)

- Compact and light weight design
- Tripod mountable
- Able to measure temperature from a distance of at least 3-5 mtrs
- Process single and multiple hotspots tracing and alarm
- Able to capture both thermal and digital camera image
- Will be able to measure temperature from 32°C to 42.5°C with a sensitivity of at least 0.08°C
- Images should have high resolution and high sensitivity
- Can be connected to a external monitor through video output
- Built in colour screen for thermal images 5-8 inch
- Software compatible with windows. Provide the outputs of thermal data and temperature data
- Operating temperature -10 +50°C
- Memory for data storage (expandable)
- Battery operated and works on external power supply
- Provide all configurations as per standard required
- Onsite installation and hands on training
- Warranty for 3 years and assured comprehensive onsite service for atleast 5 years
- Annual maintenance support for minimum 5 years.

15. Examination Gloves:

- **Size: Medium and Large**
 - **Powdered** : Latex - ASTM D-3578
-