



**THE GOVERNMENT OF THE DEMOCRATIC SOCIALIST REPUBLIC OF
SRI LANKA**

Ministry of Technology

BIDDING DOCUMENT – BIDDING PROCEDURES

Volume 01 of 03

Single Stage Two Envelopes Bidding Procedure

FOR THE

PROCUREMENT OF A MASTER SYSTEM INTEGRATOR (MSI) FOR DESIGNING, DEVELOPING, SUPPLYING, DELIVERING, INSTALLING, IMPLEMENTING, SUPPORTING AND MAINTAINING THE SOFTWARE, HARDWARE AND INFRASTRUCTURE FOR THE “SRI LANKA UNIQUE DIGITAL IDENTITY (SL-UDI) PROJECT” OF GOVERNMENT OF SRI LANKA - (IFB NO: ICTA/SLUDI/IS/2022/01)

INVITATION FOR BIDS No: ICTA/SLUDI/IS/2022/01

May 7, 2023

TABLE OF CONTENTS

INVITATION FOR BIDS (IFB)	2
SECTION I – INSTRUCTIONS TO THE BIDDERS	8
SECTION II: BID DATA SHEET	45
SECTION III – EVALUATION AND QUALIFICATION CRITERIA	54
SECTION IV – BIDDING FORMS	113
SECTION V - ELIGIBLE COUNTRIES	166

THE BIDDING DOCUMENTS CONSISTS OF VOLUME 01, 02 AND 03.



The Government of the Democratic Socialist Republic of Sri Lanka
The Ministry of Technology
Information and Communication Technology Agency of Sri Lanka (ICTA)
Invitation for Bids (IFB)
(IFB No: ICTA/SLUDI/IS/2022/01)

Procurement of a Master System Integrator (MSI) for Designing, Developing, Supplying, Delivering, Installing, Implementing, Supporting and Maintaining the Software, Hardware and Infrastructure for the “Sri Lanka Unique Digital Identity (SL-UDI) Project” of Government of Sri Lanka.

1. The Democratic Socialist Republic of Sri Lanka (GOSL) has received financing from the Government of India (GOI) and intends to apply part of the proceeds toward payments under the contract for **Procurement of a Master System Integrator (MSI) for Designing, Developing, Supplying, Delivering, Installing, Implementing, Supporting and Maintaining the Software, Hardware and Infrastructure for the “Sri Lanka Unique Digital Identity (SL-UDI) Project” of Government of Sri Lanka.**
2. Transforming the Sri Lanka to a Technology Based Society (Smart Nation) is top priority obligation under the Government Digital Transformation Strategy. In that, setting up a Citizen Centric Digital Government and digitally empowered economy have been identified as a strategy to achieve the Vision of the Sri Lanka Government. Therefore, priority has been given for a national level program for the establishment of a Unique Digital Identity Framework for Sri Lanka (SL-UDI) which is mainly funded by a Grant of Government of India.
3. The Chairman of the Cabinet Appointed Procurement Committee (CAPC), on behalf of the Information and Communication Technology Agency (ICTA) of Sri Lanka, now invites sealed Bids from eligible and qualified Bidders for **Procurement of a Master System Integrator (MSI) for Designing, Developing, Supplying, Delivering, Installing, Implementing, Supporting and Maintaining the Software, Hardware and Infrastructure for the “Sri Lanka Unique Digital Identity (SL-UDI) Project” of Government of Sri Lanka.**
4. Bidding will be conducted using the Limited International Competitive Bidding (LICB) procurement method with Single Stage Two Envelopes procedure and procurement activities shall be governed by the Procurement Guidelines of the Government of Sri Lanka.

5. To be eligible for contract award, the successful bidder shall not have been blacklisted and an Indian Company incorporated in India under the Company's Act 2013 of India and subsequent amendments thereto. The qualification criteria for the eligible bidders shall include the following. (Additional qualification requirements have been stipulated in the Bidding Document).

- a) **General experience:** Under Information Technology (IT) Contracts, bidder shall have been in the business of implementing/integration of Information and Communication Technology Systems in the role of Lead Contractor or Lead System Integrator during the last five (05) years prior to the Bid submission deadline.
- b) **Specific experience:** During the last Ten (10) years, bidder must have successfully completed (end-to-end) at least one (01) software solution for a foundational ID platform and supporting ecosystems (contracts in similar scope and size) with the value of not less than INR Hundred and Ten Crore (INR 110 Crore) or two (02) projects with value of each project not less than INR Seventy Crore (INR 70 Crore). The similarity shall be based on the physical size, complexity, methods /technology or other characteristics as described in the Bidding Document. The contracts should have received final acceptance. Further, the system has been in operation satisfactorily during the last one (01) year counted from the date of bid submission deadline. The MSI should have ISO 9001:2015 or latest, Software developer certification ISO/IEC 27001: 2013 or latest and CMMI Level iii.
- c) The bidder or the proposed sub-contractors should possess the minimum experience in the following key areas:
 - i. **Biometric Devices:**
The bidder/ sub-contractor(s) should have successfully completed one project by providing minimum 5,000 enrolment devices (approximately 1500-Fingerprint, 1500-Facial, and 1500-Iris) and minimum 750 x 03 authentication devices from biometric modalities including device management servers in solution implementations, with minimum financial value of Indian rupees Thirty Six Crore (INR 36 Crore) or two (02) projects with value of each project not less than INR Twenty Three Crore (INR 23 Crore) during last five (5) years.
 - ii. **Automated Biometric Identification System Solution:**
Biometric SDK and manual adjudication: The bidder/ sub-contractor should have successfully operationalized at least one (01) solution implementation with minimum 20 million records, with minimum financial value of Indian rupees Eighty Four Crore (INR 84 Crore) or two (02) projects with value of each project not less than INR Fifty Three Crore (INR 53 Crore) during last five (5) years.
 - iii. **Systems Infrastructure:** The bidder/ sub-contractor should have successfully completed at least one (01) system Infrastructure project of minimum financial

value of Indian rupees Two Hundred and Twenty Crore (INR 220 Crore) or two (02) projects with value of each project not less than INR One Hundred Forty Crore (INR 140 Crore) during last five (5) years.

d) Annual Average Turnover

The minimum average annual turnover of the bidder should not be less than Indian Rupees Two Hundred Crore (INR 200 Crore) calculated as total certified payments received for contracts in progress or completed, within the last three (03) years.

e) Financial Resources

The bidder must demonstrate access to or availability of financial resources such as liquid assets, un-encumbered real assets, line of credit and other financial means, other than any contractual advance payments to meet the cash flow requirement of not less than Indian Rupees Fifty Crore (INR 50 Crore), and net of the bidder's other commitments for this project.

- Interested eligible Bidders may obtain further information from Director Procurement, ICTA, 6th Floor, No. 490, R. A. De Mel Mawatha, Colombo 03, Sri Lanka and inspect the Bidding Document during office hours on working days commencing from 08th May 2023 at the below address. Telephone: +94 112369099, Email: procurement@icta.lk

An online pre-bid meeting which potential bidders may attend will be held at 10.00 a.m (Sri Lankan Time) on May 30, 2023 through the below Zoom link.

<https://us02web.zoom.us/j/86727222953?pwd=L112eit4UjNQWTdyV1VR.Y1hvNkhLZz09> (Meeting ID: 867 2722 2953 Passcode: 899289)

- A complete set of Bidding Document in English Language may be purchased by interested bidders upon submission of a written application and upon payment of a non-refundable deposit of USD Three Hundred and Fifty (USD 350) to the Director Finance, ICTA from May 08, 2023 to July 04, 2023 during 09.00 to 15.00 Hours on working days (Monday to Friday) from the office of ICTA, No 490, 6th Floor, R. A. De Mel Mawatha, Colombo 03, Sri Lanka. The method of payment will be by cash or online transaction. Procedure for online transaction is indicated on the www.icta.lk/procurement website.
- Bids must be delivered to ICTA, No. 490, 6th Floor, R. A. De Mel Mawatha, Colombo 03, Sri Lanka at or before 15.00 Hrs (Sri Lankan Time) on July 04, 2023. Late Bids will not be accepted and will be rejected and returned unopened to the bidders. Bids sent electronically will not be accepted. Technical Bids will be opened immediately after the deadline for submission of bids, in the presence of bidders or their authorized representatives who choose to attend in person at ICTA, 6th Floor, No. 490, R. A. De Mel Mawatha, Colombo 03. Sri Lanka.

9. Bids must be accompanied by a Bid Security in the form of a Bank Guarantee using the format given in the Bidding Document for an amount of **Indian Rupees Forty-Three Million** (INR 43,000,000.00).

Chairman,
Cabinet Appointed Procurement Committee,
Information and Communication Technology Agency (ICTA) of Sri Lanka,
No. 490, 6th Floor, R. A. De Mel Mawatha, Colombo 03,
Sri Lanka.

07th May 2023.

SECTION I: INSTRUCTIONS TO BIDDERS (ITB)

CONTENTS

A. GENERAL	8
1. <i>Scope of Bid</i>	<i>8</i>
2. <i>Source of Funds</i>	<i>8</i>
3. <i>Corrupt Practices.....</i>	<i>8</i>
4. <i>Eligible Bidders.....</i>	<i>10</i>
5. <i>Eligible IT Products and Services.....</i>	<i>13</i>
6. <i>Intellectual Property.....</i>	<i>14</i>
7. <i>Status of Sub - Contractors.....</i>	<i>14</i>
8. <i>Contacting the Employer.....</i>	<i>15</i>
B. CONTENTS OF BIDDING DOCUMENT	15
9. <i>Sections of Bidding Document.....</i>	<i>15</i>
10. <i>Clarification of Bidding Document, Site Visit, Pre-Bid Meeting.....</i>	<i>16</i>
11. <i>Amendment of Bidding Document.....</i>	<i>18</i>
C. PREPARATION OF BIDS	18
12. <i>Cost of Bidding.....</i>	<i>18</i>
13. <i>Language of Bid.....</i>	<i>18</i>
14. <i>Documents Comprising the Bid.....</i>	<i>18</i>
15. <i>Letter of Bid and Schedules.....</i>	<i>19</i>
16. <i>Alternative Bids.....</i>	<i>19</i>
17. <i>Documents Establishing the Eligibility of the IT Products and Services.....</i>	<i>19</i>
18. <i>Documents Establishing the Eligibility and Qualifications of the Bidder.....</i>	<i>19</i>
19. <i>Documents Establishing Conformity of the IT Products and Services.....</i>	<i>19</i>
20. <i>Bid Prices.....</i>	<i>21</i>
21. <i>Currencies of Bid and Payment.....</i>	<i>25</i>
22. <i>Period of Validity of Bids.....</i>	<i>25</i>
23. <i>Bid Security.....</i>	<i>25</i>
24. <i>Format and Signing of Bid.....</i>	<i>27</i>
D. SUBMISSION AND OPENING OF BIDS	28
25. <i>Submission, Sealing and Marking of Bids.....</i>	<i>28</i>
26. <i>Deadline for Submission of Bids.....</i>	<i>29</i>
27. <i>Late Bids.....</i>	<i>29</i>
28. <i>Withdrawal, Substitution, and Modification of Bids.....</i>	<i>29</i>
29. <i>Bid opening.....</i>	<i>30</i>
E. EVALUATION AND COMPARISON OF BIDS.....	32
30. <i>Confidentiality.....</i>	<i>32</i>
31. <i>Clarification of Bids.....</i>	<i>33</i>
32. <i>Deviations, Reservations, and Omissions.....</i>	<i>33</i>
33. <i>Preliminary Examination of Technical Bids.....</i>	<i>33</i>
34. <i>Responsiveness of Technical Bid.....</i>	<i>34</i>
35. <i>Nonmaterial Nonconformities.....</i>	<i>35</i>
36. <i>Evaluation of Bids.....</i>	<i>35</i>
37. <i>Detailed Evaluation of Technical Bids.....</i>	<i>36</i>
38. <i>Eligibility and Qualification of the Bidder.....</i>	<i>38</i>
39. <i>Correction of Arithmetical Errors.....</i>	<i>38</i>
40. <i>Conversion to Single Currency.....</i>	<i>39</i>
41. <i>Margin of Preference.....</i>	<i>39</i>

42. <i>Evaluation of Price Bids</i>	39
43. <i>Comparison of Bids</i>	41
44. <i>Employer’s Right to Accept Any Bid, and to Reject Any or All Bids</i>	42
F. AWARD OF CONTRACT	42
45. <i>Employer’s Right to Vary Quantities at Time of Award</i>	42
46. <i>Award Criteria</i>	42
47. <i>Notification of Award</i>	42
48. <i>Signing of Contract</i>	43
49. <i>Performance Security</i>	43
50. <i>Adjudicator</i>	44

SECTION I – INSTRUCTIONS TO THE BIDDERS

This section specifies the procedures to be followed by Bidders in the preparation and submission of their Bids. Information is also provided on the submission, opening, and evaluation of Bids and on the award of Contract.

A. General

- 1. Scope of Bid**
- 1.1 In connection with the Invitation for Bids indicated in the Bid Data Sheet (BDS), the Employer, as indicated in the BDS, issues these Bidding Documents for the procurement of Information Technology (IT) Products and Services as specified in Volume 2 -Section VI (Schedule of Requirements). The name, identification, and number of lots (Contracts) of the International Competitive Bidding (ICB) are provided in the BDS.
- 1.2 Unless otherwise stated, throughout this Bidding Document definitions and interpretations shall be as prescribed in Volume 3-Section VII (General Conditions) (GC).
- 2. Source of Funds**
- 2.1 Government of Sri Lanka (GoSL) shall provide the financing required to meet eligible payments under the Contract for which these Bidding Documents are issued.
- 3. Corrupt Practices**
- 3.1 It is the policy of GoSL that the officials of the procuring entity as well as Bidders, Suppliers, Service Providers and Contractors and their sub-Contractors under GoSL financed Contracts observe the highest standard of ethics during the procurement and execution of such Contracts, in pursuance of this policy, the GoSL.
- (a) defines, for the purposes of this provision, the terms set forth below as follows:
- i. “Corrupt practice” means the offering, giving receiving, or soliciting, directly or indirectly, of anything of value to influence the action of any party in the procurement process or the execution of a Contract.
 - ii. “Fraudulent practice” means a misrepresentation or omission of facts in order to influence a

procurement process or the execution of a Contract.

- iii. “Collusive practices” means a scheme or arrangement between two or more Bidders, with or without the knowledge of the employer, designed to influence the action of any party in a procurement process or the execution of a Contract.
 - iv. “Coercive practices” means harming or threatening to harm, directly or indirectly, persons, or their property to influence their participation in a procurement process, or affect the execution of a Contract;
- (b) will reject a proposal for award if it determines that the Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract; and
- (c) will sanction a party or its successor, including declaring ineligible, either indefinitely or for a stated period of time, to participate in GoSL and GOI financed activities if it at any time determines that the firm has, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for, or in executing, GoSL and GOI financed Contract.
- i. The interested firm should not debarred or blacklisted from carrying out business with the any Ministry or Department of the Central Government of India (GOI) and Sri Lanka at the time of submission of Bids, A similar ban subsequent to the submission of the Proposal but before the Notification of Award results shall also disqualify the Bidder.
 - ii. Companies falling under the categories below will be ineligible for participating in this procurement.
- (a) Currently under default on any loan to any bank /Financial institutions (FI) and account has been classified as non-performing assets (NPA) as per central depository of information on large credit

(CRILC) data base: and /or

Promoters /Directors appear in negative list, RIB willful defaulter list (suit filed as well as non-suit filed) credit information bureau of India Ltd. (CIBIL) Defaulter list and /or any other negative list of central and /or state government agencies in India.

3.2 Furthermore, Bidders shall be aware of the provision stated in the Volume 3- General Conditions (GC 47.1, Termination for Contractor's Default).

4. Eligible Bidders

4.1 A Bidder may be a private entity or a government-owned entity or any combination of such entities with the intent to enter into an agreement supported by a letter of intent or under an existing agreement in the form of a joint venture, consortium, or association (JV). In the case of a Joint Venture (JV):

- (a) all partners shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms, and
- (b) the JV shall nominate one of the partners who shall have the authority to conduct all business for and on behalf of any and all the partners of the JV during the Bidding process and, in the event the JV is awarded the Contract, during Contract execution. This shall be evidenced by submitting a Power of Attorney signed by legally authorized signatories of all the partners.

4.2 A Bidder, and all partners constituting the Bidder, shall have a nationality of an eligible country and shall have legal rights to supply IT products and Services under the Contract resulting from these Bidding Documents. A Bidder shall be deemed to have the nationality of a country if the Bidder is a national or is constituted, incorporated, or registered and operates in conformity with the provisions of the laws of that country. This criterion shall also apply to the determination of the nationality of proposed sub-Contractors or Contractors for any part of the Contract including related services.

- 4.3 i. GoSL considers a conflict of interest to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, Contractual obligations, or compliance with applicable laws and regulations. Bidders and Contractors under GoSL financed Contracts, shall observe the highest standard of ethics. GoSL will take appropriate actions, which include not financing of the Contract, if it determines that a conflict of interest has flawed the integrity of any procurement process. Consequently, all Bidders found to have a conflict of interest shall be disqualified. A Bidder may be considered to be in a conflict of interest with one or more parties in this Bidding process if, including but not limited to:
- (a) they have controlling partners in common; or
 - (b) they receive or have received any direct or indirect subsidy from any of them; or
 - (c) they have the same legal representative for purposes of this Bid; or
 - (d) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder, or influence the decisions of the Employer regarding this Bidding process; or
 - (e) A Bidder participates in more than one Bid in this Bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which it is involved. However, this does not limit the inclusion of the same sub-Contractor, not otherwise participating as a Bidder, in more than one Bid: or
 - (f) A Bidder or any of its affiliates participated as a consultant in the preparation of the design and/or technical specifications of the products and services and/or other documents that are the subject of the procurement under these Bidding documents.

- 4.4 A firm that is under a declaration of ineligibility by GoSL and GOI, in accordance with ITB 3 and
- i. The interested firm should not be debarred or Black listed from carrying out business with the any Ministry or Department of the Central Government of India (GOI) and Sri Lanka at the time of submission of Bids, A similar ban subsequent to the submission of the Proposal but before the Notification of Award results shall also disqualify the Bidder.
 - ii. Companies falling under the categories below will be ineligible for participating in this procurement.
 - a). Currently under default on any loan to any bank /Financial institutions (FI) and account has been classified as non-performing assets (NPA) as per central depository of information on large credit (CRILC) data base: and /or
 - b). Promoters /Directors appear in negative list, RIB willful defaulter list (suit filed as well as non-suit filed) credit information bureau of India Ltd.(CIBIL) Defaulter list and /or any other negative list of central and /or state government agencies in India.

at the date of the deadline for Bid submission or thereafter, shall be disqualified.
- 4.5 Bidders shall provide such evidence of their continued eligibility satisfactory to the Employer, as the Employer shall reasonably request.
- 4.6 In case a prequalification process has been conducted prior to the Bidding process, this Bidding is open only to prequalified Bidders.
- 4.7 Firms shall be excluded if by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, the employer's country prohibits any import of goods or contracting of works or services from that country or any payments to persons or entities in that country.

- 4.8 Companies bidding for these tender or Local partners of Foreign Companies bidding for this tender shall be registered under the Public Contracts Act, No 3 of 1987.
- 5. Eligible IT Products and Services**
- 5.1 For the purposes of these Bidding Documents, the IT Products and Services means all:
- (a) the required information technologies, including all information processing and communications-related hardware, software, supplies and consumable items that the Bidder is required to supply and install under the Contract, plus all associated documentation, and all other materials and products to be supplied, installed, integrated, and made operational (collectively called the products in some clauses of the ITB); and
 - (b) the related software development, transportation, insurance, installation, customization, integration, commissioning, training, technical support, maintenance, repair, and other Services necessary for proper operation of the products to be provided by the selected Bidder and as specified in the Contract.
- 5.2 The IT Products and Services to be supplied under the Contract shall have their origin in eligible source countries as defined in ITB 4.2 above and all expenditures under the Contract will be limited to such IT Products and Services.
- 5.3 For the purposes of ITB 5.2 above - origin means the place where through software development, manufacturing, or substantial and major assembly or integration of components, a commercially recognized Product results that is substantially different in basic characteristics or in purpose or utility from its components.

6. Intellectual Property

6.1 By signing the Bid Submission Form, the Bidder represents that it either is the owner of the Intellectual Property Rights in the Products and Services offered, or that it has proper authorization and/or license to offer them from the owner of such rights. Willful misrepresentation of these facts shall be considered fraudulent practice subject to the provisions of ITB 3.1 through 3.2 above, without prejudice of other remedies that the Employer may take.

7. Status of Sub - Contractors

7.1 If it is allowed in the BDS for Sub-Contractors to be nominated for certain components to be taken into account in assessing the Bidder’s overall qualifications, any Sub-Contractor so nominated by any Bidder is automatically disqualified from being a Bidder itself or a partner in a Joint Venture. Non-compliance may result in the rejection of all Bids in which the affected firm participates as Bidder or as partner in a Joint Venture.

7.2 Any firm not participating as Bidder or as partner in a Joint Venture may be proposed as a Sub-Contractor in any number of Bids.

A firm which is a Bidder, whether as a single Bidder or as a partner in a Joint Venture, cannot be a Sub-Contractor in other Bids, except for the supply of commercially available Hardware or Software by the firm, as well as purely indicated services such as installation/configuration, routing training and ongoing maintenance support.

7.3 If a Bidder intends to Sub-Contract major items of Products and Services, it shall include in the Bid details of the name and nationality of the proposed Sub-Contractor, including vendors for each of those items and shall be responsible for ensuring that any Sub-Contractor proposed complies with the requirements of ITB 3.

7.4 Bidders shall not be allowed to list more than one Sub-Contractor against each item indicated in ITB 7.1 which further elaborated in the ITB 7.1 in the

BDS. Quoted rates and prices will be deemed to apply, whichever Sub-Contractor is appointed, and no adjustment of the rates or prices will be permitted. The Employer reserves the right to delete any proposed Sub- Contractor from the list. This shall be done prior to Contract signature, by deleting such unacceptable Sub-Contractors in Volume 3-Appendix 3 of Section IX (Contract Forms), which shall list the approved Sub- Contractors for each item prior to Contract signature. Subsequent additions and deletions from the list of approved Sub-Contractors shall be performed in accordance with GC Clause 20.

7.5 The Employer, where applicable, may select only some of the listed Sub- Contractors in evaluating a Bid. The criteria for selection will be set out in the BDS.

8. Contacting the Employer

8.1 From the time of Bid advertisement to the time of Contract award, if any Bidder wishes to contact the Employer on any matter related to the Bid, it should do so in writing.

8.2 If a Bidder tries to directly influence the Employer or otherwise interfere in the Bid submission and evaluation process and the Contract award decision, its Bid may be rejected.

B. Contents of Bidding Document

9. Sections of Bidding Document

9.1 The Bidding Document consists of Volume 1, 2, and 3, which include all the Sections indicated below, and should be read in conjunction with any Addenda issued in accordance with ITB 11.

Volume 1	Bidding Procedures
Section I	Instructions to Bidders (ITB)
Section II	Bid Data Sheet (BDS)
Section III	Evaluation and Qualification Criteria
Section IV	Bidding Forms
Section V	Eligible Countries

Volume 2 Requirements

Section VI Schedule of Requirements

Volume 3 Conditions of Contract and Contract Forms

Section VII General Conditions (GC)

Section VIII Particular Conditions (PC)

Section IX Contract Forms

9.2 The Invitation for Bids issued by the Employer is not part of the Bidding Document and is intended for references only. In case of inconsistencies, the actual Bidding Documents shall prevail.

9.3 The Employer is not responsible for the completeness of the Bidding Document and its addenda, if they were not obtained directly from the source stated by the Employer in the Invitation for Bids.

9.4 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Document. Failure to furnish all information or documentation required by the Bidding Document may result in the rejection of the Bid.

10. Clarification of Bidding Document, Site Visit, Pre-Bid Meeting

10.1 A prospective Bidder requiring any clarification of the Bidding Document shall contact the Employer in writing at the Employer’s address indicated in the BDS or raise his enquiries during the pre-Bid meeting if provided for in accordance with ITB 10.4. The Employer will respond to any request for clarification, provided that such request is received no later than fourteen (14) days prior to the deadline for submission of Bids. The Employer’s response shall be in writing with copies to all Bidders who have acquired the Bidding Document in accordance with ITB 9.3, including a description of the inquiry but without identifying its source. Should the Employer deem it necessary to amend the Bidding Document as a result of a request for clarification, it shall do so following the procedure under ITB 11 and ITB 26.2.

- 10.2 The Bidder, may on notifying the Employer in writing within the time stated in the BDS, visit and examine the site/s where the IT Products and Services are to be installed and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the Bid and entering into a Contract for the provision of IT Products and Services. The costs of visiting site(s) shall be at the Bidder's own expense.
- 10.3 The Bidder and any of its personnel or agents will be granted permission by the Employer to enter upon its premises and lands for the purpose of such visit, but only upon the express condition that the Bidder, its personnel, and agents will release and indemnify the Employer and its personnel and agents from and against all liability in respect thereof, and will be responsible for death or personal injury, loss of or damage to property, and any other loss, damage, costs, and expenses incurred as a result of the inspection. No site visits shall be arranged or scheduled after the deadline for submission of the Bids and prior to the award of the Contract.
- 10.4 The Bidder's designated representative is invited to attend a pre-Bid meeting, if provided for in the BDS. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.
- 10.5 The Bidder is requested, as far as possible, to submit any questions in writing, to reach the Employer not later than one week before the meeting.
- 10.6 Minutes of the pre-Bid meeting, including the text of the questions raised without identifying the source, and the responses given, together with any responses prepared after the meeting, will be transmitted promptly to all Bidders who have acquired the Bidding Document in accordance with ITB 9.3. Any modification to the Bidding Document that may become necessary as a result of the pre-Bid meeting shall be made by the Employer exclusively through

the issue of an addendum pursuant to ITB 11 and not through the minutes of the pre-Bid meeting.

10.7 Nonattendance at the pre-Bid meeting will not be a cause for disqualification of a Bidder.

11. Amendment of Bidding Document

11.1 At any time prior to the deadline for submission of Bids, the Employer may amend the Bidding Document by issuing addenda.

11.2 Any addendum issued shall be part of the Bidding Document and shall be communicated in writing to all who have obtained the Bidding Document from the Employer in accordance with ITB 9.3.

11.3 To give prospective Bidders reasonable time in which to take an addendum into account in preparing their Bids, the Employer may, at its discretion, extend the deadline for the submission of Bids, pursuant to ITB 26.2.

C. Preparation of Bids

12. Cost of Bidding

12.1 The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the Employer shall not be responsible or liable for those costs, regardless of the conduct or outcome of the Bidding process.

13. Language of Bid

13.1 The Bid, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and the Employer, shall be written in the English language. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages in the English language, in which case, for purposes of interpretation of the Bid, such translation shall govern.

14. Documents Comprising the Bid

14.1 The documents comprising the Bid are listed in Section IV (Bidding Forms), in the Bidder Response Format (BRF). Bidders must use the BRF provided to structure and submit their Bids.

- 14.2 The Bid shall comprise two envelopes submitted simultaneously, one called the Technical Bid containing the documents listed in Table 1 (Bidder’s Response Format – Technical Bid of Section IV (Bidding Forms), and the other the Price Bid containing the documents listed in Table 2 (Bidder’s Response Format – Price Bid of Section IV (Bidding Forms), both envelopes enclosed together in an outer single envelope.
- 14.3 Any other documents required as listed in the BDS
- 15. Letter of Bid and Schedules** 15.1 The Bidder shall complete the Letter of Bid, including the appropriate Price Schedules, using the relevant forms furnished in Section IV (Bidding Forms). The forms must be completed as instructed in each form.
- 16. Alternative Bids** 16.1 Unless otherwise specified in the BDS, alternative Bids shall not be considered.
- 17. Documents Establishing the Eligibility of the IT Products and Services** 17.1 To establish the eligibility of the IT Products and Services in accordance with ITB 5, Bidders shall complete the country-of-origin declarations in the Price Schedule Forms, included in Section IV (Bidding Forms).
- 18. Documents Establishing the Eligibility and Qualifications of the Bidder** 18.1 To establish its eligibility and qualifications to perform the Contract in accordance with Section III (Evaluation and Qualification Criteria), the Bidder shall provide the information requested in the corresponding Bidder Response Format included in Section IV (Bidding Forms).
- 18.2 Domestic Bidders, individually or in joint ventures, applying for eligibility for domestic preference shall supply all information required to satisfy the criteria for eligibility as described in ITB 38.
- 19. Documents Establishing Conformity of the IT Products** 19.1 The Bidder shall furnish the information stipulated in Section IV (Bidding Forms), in sufficient detail to demonstrate substantial responsiveness of its Bid to

and Services

the work requirements and the completion time.

- 19.2 For major items of IT Products and Services which the Bidder intends to purchase or subcontract, the Bidder shall give details of the name and nationality of the proposed Sub-Contractors, including manufacturers, for each of those items. In addition, the Bidder shall include in its Bid information establishing compliance with the requirements specified by the Employer for these items. Quoted rates and prices will be deemed to apply to whichever Sub-Contractor is appointed, and no adjustment of the rates and prices will be permitted.
- 19.3 The written evidence of conformity of the IT Products and Services shall be inserted into the tables that comprise the Bidder's response to items in Volume 2-Section VI (Schedule of Requirements) in the form of written descriptions, literature, diagrams, certifications, and client references.
- 19.4 The Bidder will provide an item-by-item response to the Employer's Schedule of Requirements, demonstrating what the Bidder will provide, and how from a technical, functional, business or Service perspective, as appropriate, its IT Products and Services respond to the requirements. In demonstrating responsiveness, the commentary may include explicit cross references to the relevant pages in the supporting materials included in the Bid. Whenever a discrepancy arises between the item-by-item commentary and any catalogues, technical specifications, or other pre-printed materials submitted with the Bid, the item-by-item commentary shall prevail.
- 19.5 A Preliminary Project Plan is required, the details of which are described in Volume 2 - Section VI (Schedule of Requirements).
- 19.6 A written confirmation that the Bidder accepts responsibility for the successful integration and inter-

operability of all IT Products and Services as required by the Bidding Documents.

- 19.7 For purposes of the commentary to be furnished pursuant to ITB 19.4, the Bidder shall note that any references to brand names or model numbers or national or proprietary standards designated by the Employer in Volume 2 - Section VI (Schedule of Requirements) are intended to be descriptive and not restrictive (except where explicitly prohibited in the BDS for specific items or standards). The Bidder may substitute alternative brand/model names or standards in its Bid, provided that it demonstrates to the Employer's satisfaction that the use of the substitute(s) will result in the IT Products and Services being able to perform substantially equivalent to or better than that specified in Volume 2 - Section VI (Schedule of Requirements).

20. Bid Prices

- 20.1 Unless otherwise specified in the BDS, Bidders shall quote for the entire IT Products and Services on a single responsibility basis such that the total Bid price covers all the Contractor's obligations mentioned in or to be reasonably inferred from the Bidding Document in respect of the design, manufacture, including procurement and sub-Contracting (if any), delivery, construction, installation, completion, acceptance, commissioning and support of the IT Products and Services as specified in Volume 2 - Section VI (Schedule of Requirements). This includes all requirements under the Contractor's responsibilities for testing, pre-commissioning and commissioning of the IT Products and Services and, where so required by the Bidding Document, the acquisition of all permits, approvals and licenses, etc.; the operation, maintenance and training services and such other items and services as may be specified in the Bidding Document, all in accordance with the requirements of the General Conditions. Items against which no price is entered by the Bidder will not be paid for by the Employer when executed and shall be deemed to be

covered by the prices for other items.

- 20.2 Bidders shall give a breakdown of the prices in the manner and detail called for in the Price Schedules included in Section IV (Bidding Forms).
- 20.3 The price of items that the Bidder has left blank in the cost tables provided in the BRF shall be assumed to be included in the price of other items. Items omitted altogether from the price tables shall be assumed to be omitted from the Bid and, provided that the Bid is substantially responsive, an adjustment to the Bid price will be made during evaluation in accordance with ITB 42.1(c) (i).
- 20.4 Unit prices must be quoted at a level of detail appropriate for calculation of any partial deliveries or partial payments under the Contract, in accordance with the Implementation Schedule in Volume 2 - Section VI (Schedule of Requirements), and with Volume 3 - GC and Appendix 7 (Terms and Procedures for Payment). Bidders may be required to provide breakdown of any composite or lump-sum items included in the price tables.
- 20.5 The prices for IT Products and Services are to be expressed and shall be defined and governed in accordance with the rules prescribed in the edition of Incoterms specified in the BDS, and quoted in the appropriate columns of the cost tables in the BRF as follows:

- (a) Products supplied from outside the Employer's country:

Unless otherwise specified in the BDS, the prices shall be quoted on a CIP (named place of destination) basis, exclusive of all taxes, stamps, duties, levies, and fees imposed in the Employer's country. The named place of destination and special instructions for the Contract of carriage are as specified in the BDS. In quoting the price, the Bidder shall be free to use transportation through carriers registered in

any eligible countries. Similarly, the Bidder may obtain insurance Services from any eligible source country.

(b) Locally supplied Products:

Unit prices of Products offered from within the Employer's Country, shall be quoted on an EXW (ex-factory, ex works, ex warehouse or off-the-shelf, as applicable) basis.

(c) Inland transportation:

Unless states otherwise in the BDS, inland transportation, insurance and related local costs incidental to the delivery of the Products to the designated Project Sites must be quoted separately as a Service item in accordance with ITB 20.6, whether the Products are to be supplied locally or from outside the Employer's country, except when these costs are already included in the price of the Products, as is, e.g., the case, when ITB 20.5(a) specifies CIP, and the named places of destination are the Project Sites.

20.6 The price of Services shall be quoted in total for each service (where appropriate, broken down into unit prices), separated into their local and foreign currency components. Unless otherwise specified in the BDS, the prices must include all costs incidental to the performance of the Services, as incurred by the Contractor, such as transportation, travel, subsistence, office support, communications, translation, printing of materials, etc. costs incidental to the delivery of the services but incurred by the Employer or its staff, or by third parties, must be included in the price only to the extent such obligations are made explicit in these Bidding Documents (as, e.g., a requirement for the Bidder to include the travel and subsistence costs of trainees).

20.7 Prices for Recurrent Costs beyond the scope of warranty services to be incurred during the Warranty Period, defined in Volume 3- GCC Clause 1.1 and

prices for Recurrent Costs to be incurred during the Post-Warranty Services Period, defined in PC Clause 1 shall be quoted as Service prices in accordance with ITB 20.6 on the Recurrent Costs Form in detail, and on the Recurrent Costs Summary Form in currency total. Recurrent costs are all-inclusive of the cost's necessary items such as spare parts, software license renewals, labor, etc., needed for the continued and proper operation of the IT Products and Services and, if appropriate, of the Bidder's own allowance for price increases.

- 20.8 The prices shall be either fixed or adjustable as specified in the BDS.
- 20.9 In the case of **Fixed Price**, prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to variation on any account. A Bid submitted with an adjustable price quotation will be treated as non-responsive and rejected.
- 20.10 In the case of **Adjustable Price**, prices quoted by the Bidder shall be subject to adjustment during performance of the Contract to reflect changes in the cost elements such as labor, material, transport and Contractor's equipment in accordance with the procedures specified in the corresponding Appendix to the Contract Agreement. A Bid submitted with a fixed price quotation will not be rejected, but the price adjustment will be treated as zero. Bidders are required to indicate the source of labor and material indices in the corresponding Form in Section IV (Bidding Forms).
- 20.11 If so indicated in the BDS, Bids are being invited for individual lots (Contracts) or for any combination of lots (packages). Bidders wishing to offer any price reduction (discount) for the award of more than one Contract shall specify in their Letter of Bid the price reductions applicable to each package, or alternatively, to individual Contracts within the package, and the manner in which the price

reductions will apply.

20.12 If the BDS allows Bidders to quote separate prices for different lots (Contracts), and the award to a single Bidder of multiple lots (Contracts), the methodology to determine the lowest evaluated responsive price of the lot (Contract) combinations, including any discounts offered in the Letter of Bid, is specified in Section III (Evaluation and Qualification Criteria).

21. Currencies of Bid and Payment

21.1 The currency (ies) of the Bid shall be, as specified in the BDS.

21.2 Bidders may be required by the Employer to justify, to the Employer’s satisfaction, their local and foreign currency requirements.

22. Period of Validity of Bids

22.1 Bids shall remain valid for the period specified in the BDS after the Bid submission deadline date prescribed by the Employer. A Bid valid for a shorter period less than the period specified shall be rejected by the Employer as non-responsive.

22.2 In exceptional circumstances, prior to the expiration of the Bid validity period, the Employer may request Bidders to extend the period of validity of their Bids. The request and the responses shall be made in writing. If a Bid Security is requested in accordance with ITB 23, the Bidder granting the request shall also extend the Bid Security for twenty- eight (28) days beyond the deadline of the extended validity period. A Bidder may refuse the request without forfeiting its Bid security. A Bidder granting the request shall not be required or permitted to modify its Bid.

23. Bid Security

23.1 The Bidder shall furnish as part of its Bid, either a Bid-Securing Declaration or a Bid Security as specified in the BDS, in original form and in the amount and currency specified in the BDS.

23.2 The Bid Security shall be a demand guarantee in

any of the following forms at the Bidder's option:

- (a) an unconditional bank guarantee.
- (b) an irrevocable letter of credit; or
- (c) a cashier's or certified check.

from a reputable source from an eligible country. The Bid security shall be submitted either using the Bid Security Form included in Section IV (Bidding Forms) or in another substantially similar format approved by the Employer prior to Bid submission. In either case, the form must include the complete name of the Bidder. The Bid security shall be valid for twenty-eight days (28) beyond the original validity period of the Bid, or beyond any period of extension if requested under ITB 22.2.

- 23.3 Any Bid not accompanied by an enforceable and compliant Bid security shall be rejected by the Employer as non-responsive.
- 23.4 The Bid security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's furnishing of the performance security pursuant to ITB 49.
- 23.5 The Bid security of the successful Bidder shall be returned as promptly as possible once the successful Bidder has signed the Contract and furnished the required performance security.
- 23.6 The Bid security may be forfeited:
 - (a) if a Bidder withdraws its Bid during the period of Bid validity specified by the Bidder on the Letter of Bid
 - or
 - (b) if the successful Bidder fails to:
 - (i) Sign the Contract in accordance with ITB 48.
 - or
 - (ii) Furnish a performance security in accordance with ITB 49.
- 23.7 The Bid Security of a JV shall be in the name of the JV that submits the Bid. If the JV has not been

legally constituted at the time of Bidding, the Bid Security shall be in the names of all future partners as named in the letter of intent referred to in ITB 4.1.

- 23.8 If a Bid security is not required in the BDS, and
- (a) a Bidder withdraws its Bid during the period of Bid validity specified by the Bidder on the Letter of Bid, except as provided in ITB 22.2, or
 - (b) the successful Bidder fails to:
 - (i) sign the Contract in accordance with ITB 48;
or
 - (ii) furnish a performance security in accordance with ITB 49.

the Employer may, if provided for in the BDS declare the Bidder disqualified to be awarded a contract by the Employer for a period of time as stated in the BDS.

24. Format and Signing of Bid

24.1 The Bidder shall prepare one original of the documents comprising the Bid as described in ITB 14 and clearly mark it —ORIGINAL. In addition, the Bidder shall submit copies of the Bid, in the number specified in the BDS and clearly mark them —COPY. In the event of any discrepancy between the original and the copies, the original shall prevail.

24.2 The original and all copies of the Bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder. This authorization shall consist of a written confirmation as specified in the BDS and shall be attached to the Bid. The name and position held by each person signing the authorization must be typed or printed below the signature. All pages of the original Bid where entries or amendments have been made shall be signed or initialed by the person signing the Bid.

24.3 A Bid submitted by a JV shall be signed so as to be legally binding on all partners.

- 24.4 Any interlineations, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the Bid.

D. Submission and Opening of Bids

25. Submission, Sealing and Marking of Bids

- 25.1 Bidders may always submit their Bids by mail or by hand. When so specified in the BDS, Bidders shall have the option of submitting their Bids electronically. Procedures for submission, sealing and marking are as follows:

- (a) Bidders submitting Bids by mail or by hand shall enclose the original and each copy of the Bid, including alternative Bids, if permitted in accordance with ITB 16, in separate sealed envelopes, duly marking the envelopes as “ORIGINAL”, “ALTERNATIVE” and “COPY”. These envelopes containing the original and the copies shall then be enclosed in one single envelope. The rest of the procedure shall be in accordance with ITB 25.2 and 25.3.
- (b) Bidders submitting the Bids electronically shall follow the electronic Bid submission procedures specified in the BDS.

- 25.2 The inner and outer envelopes shall:

- (a) Bear the name and address of the Bidder.
- (b) Be addressed to the Employer in accordance with ITB 25.1.
- (c) Bear the specific identification of this Bidding process indicated in accordance with ITB 1.1; and
- (d) Bear a warning not to open before the time and date for Bid opening.

- 25.3 If all envelopes are not sealed and marked as required, the Employer will assume no responsibility for the misplacement or premature opening of the Bid.

- 26. Deadline for Submission of Bids**
- 26.1 Bids must be received by the Employer at the address and no later than the date and time indicated in the BDS.
- 26.2 The Employer may, at its discretion, extend the deadline for the submission of Bids by amending the Bidding Document in accordance with ITB 11, in which case all rights and obligations of the Employer and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.
- 27. Late Bids**
- 27.1 The Employer shall not consider any Bid that arrives after the deadline for submission of Bids, in accordance with ITB 26. Any Bid received by the Employer after the deadline for submission of Bids shall be declared late, rejected, and returned unopened to the Bidder.
- 28. Withdrawal, Substitution, and Modification of Bids**
- 28.1 A Bidder may withdraw, substitute, or modify its Bid after it has been submitted by sending a written notice, duly signed by an authorized representative, and shall include a copy of the authorization in accordance with ITB 24.2, (except that withdrawal notices do not require copies). The corresponding substitution or modification of the Bid must accompany the respective written notice. All notices must be:
- (a) Prepared and submitted in accordance with ITB 24 and ITB 25 (except that withdrawals notices do not require copies), and in addition, the respective envelopes shall be clearly marked “WITHDRAWAL”, “SUBSTITUTION”, “MODIFICATION” and.
 - (b) Received by the Employer prior to the deadline prescribed for submission of Bids, in accordance with ITB 26.
- 28.2 Bids requested to be withdrawn in accordance with ITB 28 shall be returned unopened to the Bidders.
- 28.3 No Bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of

Bids and the expiration of the period of Bid validity specified by the Bidder on the Letter of Bid or any extension thereof.

29. Bid opening

- 29.1 The Employer shall conduct the opening of Technical Bids in the presence of Bidders' designated representatives who choose to attend, and at the address, date and time specified in the BDS. Any specific electronic Bid opening procedures required if electronic Bidding is permitted in accordance with ITB Sub-clause 25.1 shall be as specified in the BDS. The Price Bids will remain unopened and will be held in custody of the Employer until the specified time of their opening. If the Technical Bid and the Price Bid are submitted together in one envelope, the Employer may reject the entire Bid. Alternatively, the Price Proposal may be immediately resealed by the bid opening committee for evaluation.
- 29.2 First, envelopes marked "WITHDRAWAL" shall be opened and read out and the envelope with the corresponding Bid shall not be opened but returned to the Bidder. No Bid withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at Bid opening. Next, envelopes marked "SUBSTITUTION" shall be opened. The inner envelopes containing the Substitution Technical Bid and/or Substitution Price Bid shall be exchanged for the corresponding envelopes being substituted, which are to be returned to the Bidder unopened. Only the Substitution Technical Bid, if any, shall be opened, read out, and recorded. Substitution Price Bid will remain unopened in accordance with ITB Sub-Clause 29.1. No envelope shall be substituted unless the corresponding Substitution Notice contains a valid authorization to request the substitution and is read out and recorded at Bid opening. Envelopes marked "MODIFICATION" shall be opened. No Technical Bid and/or Price Bid shall be modified unless the corresponding Modification Notice contains a valid authorization to request the modification and is read

out and recorded at the opening of Technical Bids. Only the Technical Bids, both Original as well as Modification are to be opened, read out, and recorded at the opening. Price Bids, both Original as well as Modification, will remain unopened in accordance with ITB Sub-Clause 29.1.

- 29.3 All other envelopes holding the Technical Bids shall be opened one at a time, reading out: the name of the Bidder, and indicating whether there is a modification or substitution; the presence or absence of a Bid security and any other details as the Employer may consider appropriate. Only Technical Bids and alternative Technical Bids read out and recorded at Bid opening shall be considered for evaluation. No Bid shall be rejected at Bid opening except for late Bids, in accordance with ITB 27.1.
- 29.4 The Employer shall prepare a record of the opening of Technical Bids that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal, substitution, or modification and the presence or absence of a Bid security or a Bid securing declaration, if one was required. The Bidders' representatives who are present shall be requested to sign the record. The omission of a Bidder's signature on the record shall not invalidate the contents and effect of the record. A copy of the record shall be distributed to all Bidders who submitted Bids in time.
- 29.5 At the end of the evaluation of the Technical Bids, the Employer will invite Bidders who have submitted substantially responsive Technical Bids and who have been determined as being qualified for award to attend the opening of the Price Bids. The date, time, and location of the opening of Price Bids will be advised in writing by the Employer. Bidders shall be given reasonable notice of the opening of Price Bids.
- 29.6 The Employer will notify Bidders in writing who have been rejected on the grounds of their Technical Bids being substantially non-responsive to the

requirements of the Bidding Document and return their Price Bids unopened.

- 29.7 The Employer shall conduct the opening of Price Bids of all Bidders who submitted substantially responsive Technical Bids, in the presence of Bidders' representatives who choose to attend at the address, date and time specified by the Employer. The Bidder's representatives who are present shall be requested to sign a register evidencing their attendance
- 29.8 All other envelopes holding Price Bids shall be opened one at a time, reading out: the name of the Bidder, and indicating whether there is a modification or substitution; the Bid Prices, including any discounts and alternative offers, and any other details as the Employer may consider appropriate. Only Price Bids, discounts, and alternative offers read out and recorded during the opening of Price Bids shall be considered for evaluation. No Bid shall be rejected at Bid opening.
- 29.9 The Employer shall prepare a record of the opening of Price Bids that shall include, as a minimum: the name of the Bidder, the Bid Price (per lot if applicable), any discounts, and alternative offers. The Bidders' representatives who are present shall be requested to sign the record. The omission of a Bidder's signature on the record shall not invalidate the contents and effect of the record. A copy of the record shall be distributed to all Bidders who submitted Bids in time.

E. Evaluation and Comparison of Bids

- 30. Confidentiality** 30.1 Information relating to the evaluation of Bids and recommendation of Contract award shall not be disclosed to Bidders or any other persons not officially concerned with such process until the publication of Contract award.

- 30.2 Any attempt by a Bidder to influence the Employer in the evaluation of the Bids or Contract award decisions may result in the rejection of its Bid.
- 30.3 Notwithstanding ITB 30.2, from the time of Bid opening to the time of Contract award, if any Bidder wishes to contact the Employer on any matter related to the Bidding process, it should do so in writing.
- 31. Clarification of Bids**
- 31.1 To assist in the examination, evaluation, and comparison of the Technical and Price Bids, and qualification of the Bidders, the Employer may, at its discretion, ask any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder that is not in response to a request by the Employer shall not be considered. The Employer's request for clarification and the response shall be in writing. No change in the Technical Bid or prices in the Price Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Bids, in accordance with ITB 39.
- 31.2 If a Bidder does not provide clarifications of its Bid by the date and time set in the Employer's request for clarification, its Bid may be rejected.
- 32. Deviations, Reservations, and Omissions**
- 32.1 During the evaluation of Bids, the following definitions apply:
- (a) Deviation: is a departure from the requirements specified in the Bidding Document.
 - (b) Reservation: is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the Bidding Document; and
 - (c) Omission: is the failure to submit part or all of the information or documentation required in the Bidding Document.
- 33. Preliminary Examination of Technical Bids**
- 33.1 The Employer shall examine the Technical Bid to confirm that all documents and technical documentation referenced in ITB Sub-Clause 14.2

have been provided, and to determine the completeness of each document submitted. If any of these documents or information is missing, the Bid may be rejected.

33.2 The Employer shall confirm that the following documents and information have been provided in the Technical Bid. If any of these documents or information is missing, the offer shall be rejected.

- (a) Letter of Technical Bid.
- (b) written confirmation of authorization to commit the Bidder.
- (c) Bid Security, if applicable; and
- (d) Technical Proposal in accordance with ITB 19.

34. Responsiveness of Technical Bid

34.1 The Employer's determination of a Bid's responsiveness is to be based on the contents of the Bid itself, as defined in ITB 14.

34.2 A substantially responsive Technical Bid is one that meets the requirements of the Bidding Document without material deviation, reservation, or omission. A material deviation, reservation, or omission is one that,

- (a) if accepted, would:
 - i. affect in any substantial way the scope, quality, or performance of the IT Products and Services specified in the Contract; or
 - ii. limit in any substantial way, inconsistent with the Bidding Document, the Employer's rights or the Bidder's obligations under the proposed Contract; or
- (b) if rectified, would unfairly affect the competitive position of other Bidders presenting substantially responsive Bids

34.3 The Employer shall examine the technical aspects of the Bid submitted in accordance with ITB 19, Documents Establishing Conformity of the IT Products and Services, in particular, to confirm that

all requirements of Section VI (Schedule of Requirements) have been met without any material deviation, reservation, or omission.

34.4 If a Bid is not substantially responsive to the requirements of the Bidding Document, it shall be rejected by the Employer and may not subsequently be made responsive by correction of the material deviation, reservation, or omission.

35. Nonmaterial Nonconformities

35.1 Provided that a Bid is substantially responsive, the Employer may waive any nonconformity in the Bid that does not constitute a material deviation, reservation or omission.

35.2 Provided that a Bid is substantially responsive, the Employer may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities in the Bid related to documentation requirements. Requesting information or documentation on such nonconformities shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.

35.3 Provided that a Bid is substantially responsive, the Employer shall rectify quantifiable nonmaterial nonconformities related to the Bid Price. To this effect, the Bid Price shall be adjusted, for comparison purposes only, to reflect the price of a missing or non-conforming item or component. The adjustment shall be made using the method indicated in Section III (Evaluation and Qualification Criteria).

36. Evaluation of Bids

36.1 The Employer will evaluate and compare the Bids that have been determined to be substantially responsive, pursuant to ITB 32, 33, 34 and 35. The evaluation will be performed assuming either that:

- (a) the Contract will be awarded to the lowest evaluated responsive Bidder for the entire IT Products and Services required by the

Employer; or

- (b) if specified in the Section III (Evaluation and Qualification Criteria), Contracts will be awarded to the Bidders for each individual lot, or slice defined in Section VI (Schedule of Requirements) whose Bids result in the lowest combined evaluated price for the entire IT Products and Services required by the Employer.

36.2 The Employer shall use the criteria and methodologies indicated in ITB 36 to ITB 43. No other evaluation criteria or methodologies shall be permitted.

36.3 The Employer's evaluation of a Bid will be made on the basis of prices quoted in accordance with ITB 20.

37. Detailed Evaluation of Technical Bids

37.1 The Employer will carry out a detailed technical evaluation of the Bids not previously rejected as being substantially non-responsive, in order to determine whether the technical aspects are in compliance with the Bidding Document. In order to reach such a determination, the Employer will examine and compare the technical aspects of the Bids on the basis of the information supplied by the Bidders.

37.2 If the Employer has chosen to give weight to important technical factors (i.e., the price weight, X, is less than 100 in the evaluation), that cannot be reduced to life-cycle costs or pass/fail criteria, the Total Technical Points assigned to each Bid in the Evaluated Bid Formula will be determined by adding and weighting the Core assigned by an evaluation committee to technical features of the Bid in accordance with the criteria set forth below.

- (a) The categories of technical features that could be evaluated are generally defined below and specifically identified in Section III (Evaluation and Qualification Criteria):

- (i) Performance, capacity, or functionality features such as those that either exceed levels

specified as mandatory or desirable in Section VI (Schedule of Requirements); meet the Employer's business requirements, reduce the Employer's level of risk, or influence the life-cycle cost and effectiveness of the Products and Services

- (ii) Usability features, such as ease of use, ease of administration and implementation, or ease of expansion, compatibility with existing infrastructure, systems and applications, which influence life-cycle cost and effectiveness of the Products and Services.
 - (iii) The thoroughness, reasonableness, and responsiveness of the Bidder's preliminary plans such as the project plan, implementation plan, and transition plan in assisting the Employer to successfully achieve its requirements.
 - (iv) The thoroughness, reasonableness, and responsiveness of the proposed arrangements for support such as management and coordination, training, quality assurance, technical support, logistics, problem resolution, and transfer of knowledge, and other such activities as specified in the Volume 2- Section VI (Schedule of Requirements).
 - (v) Other relevant factors, if any, listed in Section III (Evaluation and Qualification Criteria).
- (b) As specified in the Section III (Evaluation and Qualification Criteria), appropriate features within these technical categories will be identified and given a weighting as part of the technical evaluation.

37.3 Where alternative technical solutions have been allowed in accordance with ITB 16, and offered by the Bidder, the Employer will make a similar evaluation of the alternatives. Where alternatives have not been allowed

but have been offered, they shall be ignored.

38. Eligibility and Qualification of the Bidder

- 38.1 The Employer shall determine to its satisfaction during the evaluation of Technical Bids whether a Bidder meets the eligibility and qualifying criteria specified in Section III (Evaluation and Qualification Criteria).
- 38.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB 18.
- 38.3 An affirmative determination shall be a prerequisite for the opening and evaluation of a Bidder's Price Bid. A negative determination shall result into the disqualification of the Bid, in which event the Employer shall return the unopened Price Bid to the Bidder.
- 38.4 The capabilities of the manufacturers and Sub Contractors proposed in its Bid to be used by the Bidder will also be evaluated for acceptability in accordance with Section III (Evaluation and Qualification Criteria). Their participation should be confirmed with a letter of intent between the parties, as needed. Should a manufacturer or Sub Contractor be determined to be unacceptable, the Bid will not be rejected, but the Bidder will be required to substitute an acceptable manufacturer or Sub Contractor without any change to the Bid price. Prior to signing the Contract, the corresponding Appendix to the Contract Agreement shall be completed, listing the approved manufacturers or Sub Contractors for each item concerned.

39. Correction of Arithmetical Errors

- 39.1 During the evaluation of Price Bids, the Employer shall correct arithmetical errors on the following basis:
- (a) if there is a discrepancy between the unit price and the total price, which is obtained by multiplying the unit price and quantity, or between added or subtracted subtotals and totals,

the unit or subtotal price shall prevail and the total price shall be corrected, unless in the opinion of the Employer there is an obvious misplacement of the decimal point in the unit or subtotal prices, in which case the line-item total as quoted shall govern and the unit price or subtotal shall be corrected.

- (b) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) above.

39.2 If the Bidder that submitted the lowest evaluated substantially responsive Bid does not accept the correction of errors, its Bid shall be declared non-responsive.

40. Conversion to Single Currency

40.1 For evaluation and comparison purposes, the currency(ies) of the Bid shall be converted into a single currency as specified in the BDS.

41. Margin of Preference

41.1 Unless otherwise specified in the BDS, no margin of preference shall apply.

42. Evaluation of Price Bids

42.1 The Evaluated Bid Price (P) for each responsive Bid will be determined as the sum of the Adjusted Bid Price (AP) plus the Recurrent Costs (R); where the Adjusted Bid Price (AP) is determined as:

- (a) The price of the IT Products offered from within or from outside the Employer’s country, in accordance with ITB 20.5; plus
- (b) The total price for all Services such as software development, transportation, insurance, installation, customization, integration, commissioning, testing, acceptance, training, technical support, repair, and any other Services.
- (c) With adjustments for:
 - (i) Products and Services that are left out or are necessary to correct minor deviations of the

Bid will be added to the total Bid price using costs taken from the highest prices from other responsive Bids for the same Products and Services, or in the absence of such information, the cost will be estimated at prevailing list prices. If the missing Products and Services are scored as a technical failure, the relevant score will be set at zero

- (ii) Price adjustment due to quantifiable non material nonconformities in accordance with ITB 35.
 - (iii) Corrections to errors in arithmetic, in accordance with ITB 39
 - (iv) Converting the amount resulting from applying (i) to (iii) above, if relevant, to a single currency in accordance with ITB 40.
 - (v) The evaluation factors indicated in Section III (Evaluation and Qualification Criteria).
- (d) The Recurrent Costs (R) are reduced to net present value and determined using the following formula:

$$R = \sum_{x=1}^{N+M} \frac{R_x}{(1+I)^x}$$

Where,

N = number of years of the Warranty Period, defined in PC Clause 29.3

M = number of years of the Post-Warranty Services Period, as defined in PC Clause 29.3

X = an index number 1, 2, 3, ... N + M representing each year of the combined Warranty Service and Post-Warranty Service Periods

R_x = total Recurrent Costs per year “x,” as recorded in the Recurrent Cost Form

I = discount rate to be used for the Net Present Value calculation, as specified in **BDS**.

- 42.2 If price adjustment is allowed in accordance with ITB 20.8, the estimated effect of the price adjustment provisions of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in Bid evaluation.
- 42.3 If this Bidding Document allows Bidders to quote separate prices for different lots (Contracts), and the award to a single Bidder of multiple lots (Contracts), the methodology to determine the lowest evaluated price of the lot (Contract) combinations, including any discounts offered in the Letter of Bid, is specified in Section III (Evaluation and Qualification Criteria).
- 42.4 If the Bid, which results in the Lowest Evaluated substantially responsive Bid, is seriously unbalanced or front loaded in the opinion of the Employer, the Employer may require the Bidder to produce detailed price analyses for any or all items of the Price Schedules, to demonstrate the internal consistency of those prices with the methods and time schedule proposed. After evaluation of the price analysis, taking into consideration the terms of payment, the Employer may require that the amount of the performance security be increased at the expense of the Bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract.
- 43. Comparison of Bids** 43.1 The Employer shall compare all substantially responsive Bids in accordance with ITB 42.1 to determine the lowest evaluated substantially responsive Bid.

44. Employer’s Right to Accept Any Bid, and to Reject Any or All Bids 44.1 The Employer reserves the right to accept or reject any Bid, and to annul the Bidding process and reject all Bids at any time prior to Contract award, without thereby incurring any liability to Bidders without specifying any reason. In case of annulment, all Bids submitted and specifically, bid securities, shall be promptly returned to the Bidders.

F. Award of Contract

45. Employer’s Right to Vary Quantities at Time of Award 45.1 The Employer reserves the right at the time of Contract award to increase or decrease, by the percentage(s) indicated in the BDS, any of the following:

- (a) the quantity of substantially identical IT Products and Services; or
- (b) the quantity of individual Hardware, Software, related equipment, Materials, products, and other Goods that are components of the Project to which this procurement applies; or
- (c) the quantity of Installation or other Services to be performed,

From that originally specified in Section VI (Schedule of Requirements) (as amended by any Addenda issued pursuant to ITB Clause 11), without any change in unit prices or other items and conditions.

46. Award Criteria 46.1 The Employer shall award the Contract to the Bidder whose offer has been determined to be the lowest evaluated responsive Bid and is substantially responsive to the Bidding Document, provided further that the Bidder is determined to be eligible and qualified to perform the Contract satisfactorily.

47. Notification of Award 47.1 Prior to the expiration of the period of Bid validity, the Employer shall notify the successful Bidder, in writing, that its Bid has been accepted. The notification letter (hereinafter and in the Conditions of Contract and Contract Forms called the -Letter of

Acceptance) shall specify the sum that the Employer will pay the Contractor in consideration of the execution and completion of the IT Products and Services (hereinafter and in the Conditions of Contract and Contract Forms called Contract Price

47.2 At the same time, the Employer shall also notify all other Bidders of the results of the Bidding, and shall publish the results identifying the Bid and lot numbers and the following information: (i) name of each Bidder who submitted a Bid; (ii) Bid prices as read out at Bid Opening; (iii) name and evaluated prices (and Bid score if weighted scoring system was used) of each Bid that was evaluated; (iv) name of Bidders whose Bids were rejected and the reasons for their rejection; and (v) name of the winning Bidder, and the Price it offered, as well as the duration and summary scope of the Contract awarded.

47.3 Until a formal Contract is prepared and executed, the notification of award shall constitute a binding Contract.

47.4 The Employer shall promptly respond in writing to any unsuccessful Bidder who, after notification of award in accordance to ITB 47.2, requests in writing the grounds on which its Bid was not selected.

48. Signing of Contract

48.1 Promptly upon notification, the Employer shall send the successful Bidder the Contract Agreement.

48.2 Within twenty-eight (28) days of receipt of the Contract Agreement, the successful Bidder shall sign, date, and return the Contract Agreement to the Employer.

49. Performance Security

49.1 Within twenty-eight (28) days of the receipt of notification of award from the Employer, the successful Bidder shall furnish the performance security in accordance with the General Conditions, subject to ITB 42.4, using for that purpose the Performance Security Form included in Section IX (Contract Forms), or another form acceptable to the Employer.

49.2 Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid security or execution of the Bid Securing Declaration. In that event the Employer may award the Contract to the next lowest evaluated substantially responsive Bidder whose offer is substantially responsive and is determined by the Employer to be qualified to perform the Contract satisfactorily.

50. Adjudicator

50.1 Unless the BDS states otherwise, the Employer proposes that the person named in the BDS be appointed as Adjudicator under the Contract to assume the role of informal Contract dispute mediator, as described in GC Clause 52. In this case, a resume of the named person is attached to the BDS. The proposed hourly fee of the Adjudicator is specified in the BDS. The expenses that would be considered reimbursable to the Adjudicator are also specified in the BDS. If a Bidder does not accept the Adjudicator proposed by the Employer, it should state its non-acceptance in its Bid Submission Form and make a counterproposal of an Adjudicator and an hourly fee, attaching a resume of the alternative. If the successful Bidder and the Adjudicator nominated in the BDS happen to be from the same country, and this is not the country of the Employer too, the Employer reserves the right to cancel the Adjudicator nominated in the BDS and propose a new one. If by the day the Contract is signed, the Employer and the successful Bidder have not agreed on the appointment of the Adjudicator, the Adjudicator shall be appointed, at the request of either party, by the Appointing Authority specified in the PC clause relating to GC Clause 52.1(e), or if no Appointing Authority is specified there, the Contract will be implemented without an Adjudicator.

SECTION II: BID DATA SHEET

The following specific information relating to IT products/ services to be procured and procurement procedure that will be used shall complement, supplement or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions in the Bid Data Sheet (BDS) shall prevail over those in the ITB.

A. General	
ITB 1.1 Scope of Bid	<p>The number of the Invitation for Bids is: ICTA/SLUDI/IS/2022/01</p> <p>The Employer is: Information and Communication Agency of Sri Lanka</p> <p>The name of the ICB is:</p> <p>Procurement of a Master System Integrator (MSI) for Designing, Developing, Supplying, Delivering, Installing, Implementing, Supporting and Maintaining the Software, Hardware and Infrastructure for the “Sri Lanka Unique Digital Identity (SI-UDI) Project” of Government of Sri Lanka –</p> <p>(IFB No: ICTA/SL-UDI/IS/2022/01)</p> <p>The identification number of the ICB is: ICTA/SLUDI/IS/2022/01</p> <p>Bids should be submitted for the total requirement. Partial Bids shall not be considered for evaluation and shall be rejected.</p>
ITB 4.2 Eligible Bidders	<p>-This procurement is open to only Indian Bidders. Bidders shall be deemed to be Indian if the Applicant is constituted, incorporated or registered in, and operates in accordance with the provisions of the laws of India, as evidenced by its articles of incorporation and its registration documents, as the case may be. Bidders incorporated in India, with Indian holding less than 76% shall not be eligible to apply. In case of a Joint Venture (JV), each member of the JV, involved or intended to be involved with this qualification process should be eligible to apply.</p>
ITB 4.8 Eligible Bidders	<p>As per the public contract act no. 3 of 1987, if the contract value is exceeding LKR Five Million Every Bidder (tenderer) needs to comply with</p>
ITB 7.1 Status of Sub - Contractors	<p>Sub-Contractors qualifications under the “a”, “b” and “c” shall be taken into account in assessing the Bidder’s overall qualifications.</p> <p>a. Biometric Devices</p> <p>b. Automated Biometric Identification System Solution</p> <p>c. Systems Infrastructure</p>

	<p>Note:</p> <p>i) In the case of consortium or subcontracting arrangement, the Prime Bidder shall be responsible ensure the delivery of the complete solution contracted, bidder or any member of consortium or of the sub-contractor can submit project experience from their holding company or group companies. Certification confirmation the same should be provided by holding company or group companies. Certification confirmation the same should be provided by the holding company or group companies.</p> <p>ii) Provide information about relevant field experience and specific examples of similar projects in which subcontractors have provided services.</p>
<p>ITB 7.3 Status of Sub - Contractors</p>	<p>In addition to the ITB 7.3 bidder should adhere with the following requirements</p> <p>The Bidders shall submit along with the Bids, Agreements signed between the sub-Contractors and the Bidder precisely indicating the responsibilities of the sub-contractors.</p> <p>Agreements must be signed by persons who have been duly authorized to sign through a power of attorney or by Board resolutions of the respective companies.</p>
<p>ITB 7.5</p>	<ol style="list-style-type: none"> 1. Biometric Devices: The bidder/ sub-contractor(s) should have successfully completed one project by providing minimum 5,000 enrolment devices (approximately 1500-Fingerprint, 1500-Facial, and 1500-Iris) and minimum 750 x 03 authentication devices from biometric modalities including device management servers in solution implementations, with minimum financial value of Indian rupees Thirty Six Crore (INR 36 Crore) or two (02) projects with value of each project not less than INR Twenty Three Crore (INR 23 Crore) during last five (5) years. 2. Automated Biometric SDK and manual adjudication: The bidder/ sub-contractor should have successfully operationalized at least one (01) solution implementation with minimum 20 million records, with minimum financial value of Indian rupees Eighty Four Crore (INR 84 Crore) or two (02) projects with value of each project not less than INR Fifty Three Crore (INR 53 Crore) during last five (5) years. 3. Systems Infrastructure: The bidder/ sub-contractor should have successfully completed at least one (01) system Infrastructure project of minimum financial value of Indian rupees Two Hundred and Twenty Crore (INR 220 Crore) or two (02) projects with value of each project not less than INR One Hundred Forty Crore (INR 140 Crore) during last five (5) years.

ITB 10.1 Clarification of Bidding Document	<p>Request for clarifications should be sent to.</p> <p>Director Procurement, Information and Communication Technology Agency of Sri Lanka, No.490 R. A. De Mel Mawatha, Colombo 03, Sri Lanka.</p> <p>Telephone: +94 11 2369099 Fax: + 94 11 2369091 E-mail: procurement@icta.lk</p>
ITB 10.2 Clarification of Bidding Document	<p>Site visits will not be facilitated, and necessary detail are given in the Annex 12 of Schedule of Requirements (Volume 2).</p>
ITB 10.4 Clarification of Bidding Document	<p>An online pre-bid meeting which potential bidders may attend will be held at 10.00 am (Sri Lankan Time) on May 30, 2023, through the below Zoom link.</p> <p>Date: 30 May 2022 Time: 10.00 hrs. Sri Lankan Time</p> <p>https://us02web.zoom.us/j/86727222953?pwd=L112eit4UjNQWTdyV1VRY1hvNkhLZz09</p> <p>Meeting ID: 867 2722 2953 Passcode: 899289</p>
C. Preparation of Bid	
ITB 13.1 Language of Bid	<p>Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages in English Language.</p>
ITB 14.3 Documents Comprising the Bid	<ol style="list-style-type: none"> I. Certified Business Registration /in the case of JV, JVCA should be submitted, or letter of Intent from all the JV partners are to be submitted. II. Copy of GST Registration Certificate. III. Immediately preceding 03 Years Audited Financial Statements (all the partners in the case of JV). IV. experience in the relevant field and Detail of similar projects for which sub-contractors have provided services should be provided.

	<p>v. Articles & Memorandum of Association.</p> <p>vi. PAN and GST Registration Details.</p> <p>vii. Organizational chart.</p> <p>viii. List of Board of Directors with their complete designation in case of nominee directors.</p> <p>ix. The beneficial ownership with respective shareholding and nationality of shareholders.</p> <p>x. Letter of intent to form JV or JV agreement, in case of JV.</p> <p>xi. A copy (self-attested on all pages) of Power of Attorney in favor of the person who has been authorized, through an appropriate Company Board Resolution or equivalent document, to sign on behalf of the Applicant.</p> <p>xii. ISO: 9001:2015 or latest, Software developer certification ISO/IEC 27001: 2013 or latest and CMMI certification.</p> <p>xiii. Documents being comply with Public Contract act no act number 03 of 1987</p>
ITB 16.1 Alternative Bids	Alternative Bids are not allowed.
ITB 18.2 Documents Establishing	Not Applicable
ITB 20.1 Bid Prices	<p>Bidder shall quote for the entire IT Products and Services on a single responsibility basis unless exceptions are listed as follows:</p> <p>"No exceptions"</p>
ITB 20.5 (a) Bid Prices	<p>All the prices should be quoted under the CIP basis to the SL-UDI Sites/Project Sites.</p> <p>In this Procurement the following taxes are exempted.</p> <ul style="list-style-type: none"> • Value Added Tax (VAT). • Ports and Airport Development Levy (PAL). • CESS. • Customs Import Duty (CID). • Social Security Contribution Levy (SSCL).

ITB 20.5 (b) Bid Prices	All the prices should be quoted on an EXW (ex -factory, ex works, ex warehouse or off-the-shelf, as applicable) basis to the SLUDI Sites /Project Sites. Bidder shall include all the costs including taxes other than value added tax (VAT) and local transportation costs to the bid price.
ITB 20.8 Bid Prices	The prices quoted by the Bidder shall be Fixed.
ITB 20.11 Bid Prices	Bids are not being invited for individual lots (Contracts) or for any combination of lots (packages). Bids should be submitted for the total requirement. Partial Bids shall not be considered for evaluation and shall be rejected.
ITB 21.1 Currencies of Bid and Payment	<p>Bid prices shall be quoted only in Indian Rupees</p> <p>(a) Bidder may quote its prices for all IT Products and Services to be supplied from outside the Employer’s country in Indian Rupees.</p> <p>(b) The currency to be used for quoting prices of the Goods and Services components of the System offered from within the Employer’s Country also in Indian Rupees, as well as local currency expenditures for local technical support, training, maintenance, transportation, insurance, and other local services incidental to delivery, installation and operation of the System, is also in Indian Rupees.</p>
ITB 22.1 Period of Validity of Bids	<p>Bid validity period shall be 147 Days from the Deadline for Submission of Bids inclusive of the deadline date for submission of Bids as specified below in reference to ITB Clause 26.</p> <p>Accordingly, the Bids shall be valid until December 02, 2023.</p>
ITB 23.1 Bid Security	<p>Bid shall include a Bid Security (original) issued by bank using the form included in Section IV (Bidding Forms).</p> <p>The amount and currency of the Bid security shall be Indian Rupees (INR) Forty-Three Million (INR 43,000,000.00).</p> <p>The Bid Security shall be issued in favor of:</p> <p>Information and Communication Technology Agency of Sri Lanka, No. 490. R. A. De Mel Mawatha, Colombo 03, Sri Lanka.</p>

<p>ITB 23.2 Bid Security</p>	<p>Bid Security must be an unconditional bank guarantee, submitted using only the prescribed form included in this Bidding Document.</p> <p>Bid Security should be from a Commercial Bank and valid for One Hundred and Seventy-Five days (175) from the date of deadline of submission of bids inclusive of the deadline date for submission of bids. (Valid until December 30, 2023)</p> <p>Bid Security shall be valid for 28 days beyond the original validity period of the bid. (Valid until December 30, 2023) If the Bid Security is to be issued by a bank outside Sri Lanka, it shall be from a bank that has a correspondent bank in Sri Lanka. Banks in Sri Lanka issuing the bank guarantee shall be a licensed commercial bank under the Banking Act No. 30 of 1988 and supervised by the Central Bank of Sri Lanka. The Bid security shall be enforceable in Sri Lanka.</p>
<p>ITB 24.1 Format and Signing of Bid</p>	<p>The Bidder shall adhere to the following procedure in submitting the Bids.</p> <p>(1) The original version of Technical and Financial Bids should be sealed in separate envelopes and clearly marked as “ORIGINAL TECHNICAL BID” and “ORIGINAL FINANCIAL BID” respectively. Soft copy (in a DVD, pen drive etc.) of Technical Bid in single PDF document (should be searchable) should be submitted along with the Technical Bid.</p> <p>The above two sealed envelopes should be put into another envelope, sealed and marked as “ORIGINAL BID - PROCUREMENT OF A MASTER SYSTEM INTEGRATOR (MSI) FOR DESIGNING, DEVELOPING, SUPPLYING, DELIVERING, INSTALLING, IMPLEMENTING, SUPPORTING AND MAINTAINING THE SOFTWARE, HARDWARE AND INFRASTRUCTURE FOR THE “SRI LANKA UNIQUE DIGITAL IDENTITY (SL-UDI) PROJECT” OF GOVERNMENT OF SRI LANKA - (IFB NO: ICTA/SLUDI/IS/2022/01)</p> <p>(2) Copies of the Technical Bid and Financial Bids shall be put in to separate envelopes, sealed and marked as “COPY TECHNICAL BID” and “ COPY FINANCIAL BID” and The above two sealed envelopes should be put into another envelope, sealed and marked as “COPY BID - PROCUREMENT OF A MASTER SYSTEM INTEGRATOR (MSI) FOR DESIGNING, DEVELOPING, SUPPLYING, DELIVERING, INSTALLING, IMPLEMENTING, SUPPORTING AND MAINTAINING THE SOFTWARE, HARDWARE AND INFRASTRUCTURE FOR THE “SRI LANKA UNIQUE DIGITAL IDENTITY (SL-UDI) PROJECT” OF GOVERNMENT OF SRI LANKA - (IFB NO: ICTA/SLUDI/IS/2022/01)</p> <p>(3) All envelopes shall be addressed to:</p> <p style="padding-left: 40px;">Chairperson, Cabinet Appointed Procurement Committee, Information and Communication Technology Agency of Sri Lanka, 6th Floor – Conference Room, No. 490, R.A. De Mel Mawatha, Colombo 03, Sri Lanka.</p> <p>NOTE: All other information such as Manufacturer’s authorization Forms, Bank Guarantee for Bid Security, audited financial statements (Cash flow, Income</p>

	<p>Statement and balance sheet), Joint Venture (JV) agreement/ intension letters from partners, Power of Attorney signed by legally authorized signatories of all the partners of JV, Power of Attorney for signature, Agreement with Sub Contractors etc., should be submitted along with the Technical Bids.</p> <p>Original of Price Bids/Financial Bids shall be submitted in a separate envelope (no copies required). Only Bid Form, Price Schedule Forms, Grand Summary Cost Table and all other relevant cost tables should be included in the Price Bids/Financial Bids.</p>
<p>ITB 24.2 Format and Signing of Bid</p>	<p>The written confirmation of authorization to sign on behalf of the Bidder shall consist of:</p> <ol style="list-style-type: none"> a. If a bid submitted by a Limited liability company or a corporation; Power of Attorney (either notarized or attested by an appropriate authority in the Bidder’s home country) or a Board resolution certified by the company secretary. b. If a bid is submitted by a partnership: Power of Attorney shall be either notarized or attested by an appropriate authority in the Bidder’s home country. c. If a bid is submitted by a Single Proprietor: Power of Attorney shall be required only if the bid is signed by (i) person other than the single proprietor who is the bidder; or (ii) a person other than the owner of a single Proprietorship who is the bidder. d. If a bid is submitted by a Joint Venture (JV): Power of Attorney (either notarized or attested by an appropriate authority in the bidder’s home country). It shall include an undertaking signed by all parties (i) stating that all parties shall be jointly and severally liable, and (ii) nominating a representative who shall have the authority to conduct all business for and on behalf of any and all the parties of JV during the bidding process. And in the event the JV is awarded the contract, during contract execution.
<p>D. Submission and Opening of Bids</p>	
<p>ITB 25.1 Submission, Sealing and Marking of Bids</p>	<p>(a) Refer BDS for ITB 24.1 given above.</p> <p>(b) Bidders will not have the option of submitting their Bids electronically.</p>

ITB 26.1 Deadline for Submission of Bids	Deadline for submission of Bids is: Date: July 04, 2023. Time: 15:00 hours (Sri Lankan Time) Address for Bid Submission is: 6 th Floor - Conference Room Information and Communication Technology Agency of Sri Lanka No. 490, R. A. De Mel Mawatha, Colombo 03, Sri Lanka.
ITB 29.1 Bid opening	The opening of Technical Bids shall take place immediately after Bid closing at; 6 th Floor -Conference Room Information and Communication Technology Agency of Sri Lanka, No.490, R. A. De Mel Mawatha, Colombo 03, Sri Lanka. Date: July 04, 2023, Sri Lanka Time: 15:00 hours.
ITB 37.3 Detailed Evaluation of Technical Bids	Alternative Bids and product options are not allowed.
E. Evaluation and Comparison of Bids	
ITB 40.1 Conversion to Single Currency	Not Applicable
ITB 42.1(d) Evaluation of Price Bids	The Net Present Value (NPV) discount rate is –the immediately preceding Treasury Bond rate published by Central Bank of Sri Lanka to the Bid Submission date
ITB 45.1 Employer’s Right to Vary Quantities at Time of Award	The Employer reserves the right to vary the quantities in Section VI (Schedule of Requirements) by increase or decrease by 20% .
ITB 48.2	Within Twenty-Eight (28) days of receipt of the Contract Agreement, the

<p>Signing of Contract</p>	<p>successful Bidder shall sign, date, and return the Contract Agreement to the Employer.</p> <p>Initial Contract will be signed for the period of Four (4) years (One year Implementation + Three years Warranty period). After the warranty period Employer will decide contractual arrangement for Post Warranty obligations.</p>
<p>ITB 49.1 Performance Security</p>	<p>Within Twenty-Eight (28) days of the receipt of notification of award from the Employer, the successful Bidder shall furnish the performance security in accordance with the General/Specific Conditions in the Volume 3, subject to ITB 42.4, using for that purpose the Performance Security Form included in Section IX (Contract Forms), or another form acceptable to the Employer.</p>
<p>ITB 50.1 Adjudicator</p>	<p>Not Applicable</p> <p>Refer Section VIII – Particular Conditions 52.2 (b) for Dispute Resolution Mechanism.</p>

SECTION III – EVALUATION AND QUALIFICATION CRITERIA

This section contains the criteria that the Employer will use evaluate and qualify bidders. The bidder shall provide all the information request in the forms included in Section IV-Bidding Forms.

3.1 Evaluation

3.1.1 Responsive Bid

The Employer will review all Technical Bids submitted to determine whether the Bidder is eligible and qualified (as per the Bidder’s Qualification Criteria specified in this Section III) and whether each Bid is responsive using the following criteria pursuant to ITB Clause 34.

- (a) The Bidder meets the Qualification Requirements outlined in Bidder’s Qualification Criteria specified in this Section III – clause 3.2: Qualifications of the Bidder.
- (b) The Bid is substantially complete in that it provides the information outlined in the Bidder Response Format Section IV – Bidding Forms (Employer assessment)
- (c) All Bids that satisfy the above criteria in item (a) and (b) will be considered for the detailed technical evaluation.

3.1.2 Technical Evaluation

The Employer will evaluate the Technical Bids pursuant to ITB Clause 37 using the following criteria:

- (a) In order to evaluate the quality aspects of the Technical Bid, Bidder must state comprehensively with sufficient details, how their Bid meets the Technical Requirements specified in Volume 2 Section VI (Schedule of Requirements) Sufficient documentary evidence shall be provided where applicable.
- (b) Bidder must use the Technical Responsive Checklist given in Volume 2/ Section VI (Schedule of Requirements) of the Bidding document to state how the proposed system responds to each technical requirement.

- (c) Bidder’s Technical bid must meet all the requirements stipulated in the Chapter 9, Volume 2 / Section VI (Schedule of Requirements) of this Bidding Document. All the requirements specified in the Technical Responsive Checklist are mandatory.

3.1.3 Evaluation components, applicable marking scheme and technical weightages

For each technical requirement specified under each project components specified in section 5.0 of Scope of Services, Volume 02. The Employer will assign a whole number technical score from “Zero” (0) to “Hundred” (100) to the Bidders responses using the marking scheme specified in the Table 3.1 below.

Table 3.1: Criteria and Maximum Score

No.	Criteria	Maximum Score
1	Feature/requirement is absent and does not meet requirement	0
2	Feature/requirement is present and partially meets the requirements	30
3	Feature/requirement is present and meets minimum requirement	90
4	Feature/requirement exceeds the minimum requirement	95
5	Feature/requirement significantly exceeds the requirement	100

Table 3.2: Evaluation Components, Assigned Marks and Weightages

Criteria No.	Evaluation Parameter	Weightage	Score	Submission Requirements
A.	Bidder's Credentials and Experience	20%	200	
A1	Foundational ID Platform and supporting eco systems	11%		
A1.a	Foundational ID platforms	5%		Form: 4.3.8
A1.b	MOSIP Implementation	4%		Form: 4.3.8
A1.c	The MSI should have ISO 9001:2015 or latest, Software developer certification ISO/IEC 27001: 2013 or latest and CMMI Level V.	2%		Form: 4.3.1
A2	Biometric devices	3%		Form: 4.3.8/9
A3	System Infrastructure	3%		Form: 4.3.8/9
A4	ABIS	3%		Form: 4.3.8/9
B.	Evaluation of Proposed Technology Solution	35%	350	
B1	Overall Solution (other than biometric components)	25%		Form: 4.6.3.1
B1.a	Infrastructure Solution	6%		
B1.b	Technology Solution	6%		
B1.c	Information Security	7%		
B1.d	Proposed Specialized Tools	3%		
B1.e	Compliance to functional and technical requirements specified in the SOR.	3%		
B2	Biometric Solution	10%		
B2.a	Solution Scalability	2%		
B2.b	Solution Performance	3%		
B2.c	Interoperability with systems	2%		
B2.d	Compliance with functional and technical requirements specified in the bidding document	3%		

C.	Overall Approach and Methodology & Work Plan	20%	200	
C1	Approach	8%		Form: 4.6.3.2
C2	Methodology	7%		
C3	Work plan	5%		
D.	Total Team Constitution and Staffing *	25%	250	Form: 4.4.1/2/3
	Total	100	1000	
	-Minimum Technical pass score	80%	800	

* Key staff breakdown is indicated below.

No	Key Professional Staff	Marks Assigned for the Key Staff
Total Marks		250
(A) Project Management Role		
1	Project Director	8
2	Technical Project Manager	8
3	Support and Operations Manager	8
(B) Architects		
1	Chief Architect	8
2	Software Architect (Application Architect)	8
3	Security and Network Architect	8
4	Infrastructure & Systems Architect	8
5	Database Architect	8
6	Quality Assurance Architect	8
(C) Team Leads and Track Leads		
1	Team Lead – UI/UX	6
2	Team Lead – Business Analyst	6
3	Team Lead – Quality Assurance	6
4	Team Lead – Training and Certification	6
5	Track Lead – Data and Analytics	6
6	Track Lead – Network & Security	6
7	Track Lead – Data Center Manager	6
8	Track Lead – Systems Engineering	6
9	Track Lead – Application Manager	6
10	Track Lead – Biometric	6
11	Track Lead – Enrolment and Authentication	6
(D) Experts and Administrators		

1	Expert – Legal Specialist	4
2	Expert – Change Management & Adoption Specialist	4
3	Infrastructure Lead	3
4	System Engineer	3
5	Network Manager	3
6	Network Engineer	3
7	Storage and Backup Engineer	3
8	CRM Engineer	3
9	BI Reporting and Data Analytics Engineer	3
10	Application Engineer	3
11	Middleware Expert	3
(E) Biometrics (From BSP)		
1	Biometric - Implementation and Integration Engineer	4
2	Biometric - QA and Test Engineer	4
3	Engineer – Systems, Backup and Restoration	4
5	Expert – Biometric Specialist	4
(F) Security		
1	Information Security Manager	4
2	Fraud and Forensics Expert	5
3	Vulnerability Management Expert	4
4	Threat Hunting Analyst	4
5	Network and Perimeter Security Expert	4
6	BCP-DR Engineer	4
7	Security Operations Expert	5
8	Patch and Endpoint Management Expert	4
9	Identity and Access Management Expert	5
10	Cryptography Expert	5
11	Database Security	5
12	Incident Response Expert	4
13	Information Security Officer	4
14	Privacy Manager	4

Supplier must meet all the requirements stipulated in Volume 2/ Section VI (Schedule of Requirement). Core will be given to reflect the quality aspect of the proposed system, appropriateness of the proposed hardware and software, training methodology as well as any requirements offered beyond the scope of each item, which would be conducive for the utility of the system and improve the quality of the system. In order to evaluate the quality aspect of the proposed system, bidder must state comprehensively with sufficient details, how each component of the proposed system specified in the Technical Responsive Checklist meets the requirements and to what extent it responds to those requirements.

Evaluation of the bidder's Technical Proposal will also include an assessment of the Bidder's technical capacity to mobilize key resources and personnel for the contract, consistent with its proposal regarding work methods, scheduling, and resource sourcing, in sufficient detail, and fully in accordance with the requirements stipulated in Volume 2 - Section VI (Schedule of Requirement), and will be limited to satisfy that the bidder has fully understood and offered to do the full scope of work, within the stipulated period of time.

The method statements, site organization, mobilization and implementation schedule, personnel and resources proposed, submitted with the bid, shall all be for the above purpose, and shall not form part of the contract document, when a contract is awarded, but would be needed to be resubmitted in detail after award of contract as per terms of the conditions of contract.

3.1.4 Determining Bidder's Technical Responsiveness

In order to be considered as "Substantially Responsive" to the technical requirements and to be considered as eligible for the subsequent evaluations, a Bidder must satisfy the following condition.

$$T = \sum_{i=1}^8 \left[\left[\frac{\sum_{k=1}^m S_k}{m} \right] \times W_i \right] \geq 80\%$$

Where,

S_k = Technical score for the k^{th} requirement of i^{th} component

k = Subcomponent number of i^{th} component

m = Total number of the subcomponents of i^{th} component

W_i = Technical weightage of i^{th} component

Total Technical Score (T) secured for the bid shall be equal or higher than 80%. Any Bid failing to satisfy the above conditions will not be considered for further evaluation and their Financial Bids will be returned unopened.

3.1.5 Financial Evaluation and Ranking of Bids

The Evaluated Bid Price (Adjusted Bid Price plus the Recurrent Costs) will be identified by the Employer pursuant to ITB Clause 42 based on the following criteria:

Adjusted bid price shall be calculated as follows.

- (a) Price of IT Products and Services Provided and Installed
- (b) Price of Support Services
- (c) Nonmaterial non-conformities
- (d) Recurrent Costs (Warrant and Post Warranty cost)
- (e) Adjustments made for:
 - (i) Products/Services omitted
 - (ii) Arithmetic corrections
 - (iii) Conversions to a single currency
 - (iv) Net Present Value of Recurrent Costs

The Price Schedules, in which the above information must be presented, are given in Section IV- Bidding Forms.

The Employer's evaluation of responsive bids will take into account technical factors, in addition to cost factors. An Evaluated Bid Score (B) will be calculated for each responsive bid using the following formula, which permits a comprehensive assessment of the bid price and the technical merits of each bid:

$$B \equiv \frac{P_{low}}{P} X + \frac{T}{T_{high}} (1 - X)$$

where;

P = Evaluated Bid Price

P_{low} = the lowest of all Evaluated Bid Prices among responsive bids

T = the total Technical Score awarded to the bid

T_{high} = t

The Technical Score achieved by the bid that was scored highest among all responsive bids.

Weight of the evaluated Bid Price ("X" in the evaluated Bid Score formula) = 80

Total Technical score (T) is the combined weighted score of all the technical features of each project component.

The bid with the highest Evaluated Bid Score (B) among responsive bids shall be termed the Lowest Evaluated Bid and is eligible for Contract award, provided the Bidder was pre-qualified and/or it was found to be qualified to perform the Contract in accordance with post qualifications requirements stipulated in the Bidding Documents.

Note:

Post Warranty cost will be considered for the financial evaluation and however Initial Contract will be signed for the period of Four (4) years (One year Implementation + Three years Warranty period). After the warranty period Employer will decide contractual arrangement for Post Warranty obligations.

3.1.6 Quantifiable Deviations and Omissions

Quantifiable Deviations and Omissions from the Contractual obligations: the evaluation shall be based on the evaluated cost of fulfilling the Contract in compliance with all Contractual obligations under this Bidding document. The Employer will assess the cost of such a deviation for the purpose of ensuring fair comparison of Bids.

3.1.7 Time Schedule

Time to implement the total solution from the effective date specified in Article 3 of the Contract Agreement for determining time for operational acceptance, is eighteen (18) calendar months. No credit will be given for earlier completion.

3.1.8 Domestic Preference – Not Applicable

3.1.9 Local Presence of the Bidder

Successful bidder should have a registered business presence in India and should agree to establish an office with adequate staff and resources prior to commencement of works in Sri Lanka, which should continue to be in operation at least for a period of five (05) years for implementation, providing support for project management, maintaining warranty, providing technical support and maintenance of the system.

3.1.10 Post Qualification (Due Diligence)

Pursuant to ITB 38, the Employer may, at its own expense, and to the satisfaction of the Employer, require the Bidder with the Lowest Evaluated Bid to provide further information on the request to substantiate claims and information included in its Bid. This information may be subject to audit and review by the Employer and may involve site visits/inspections, interview with the bidder’s clients referenced in the bid, and any other measures to verify if the bidder is capable of performing the contract.

An affirmative post-qualification determination will be a prerequisite for award of the Contract to the Lowest Evaluated Bidder. A negative determination will result in rejection of the Bidder’s bid, in which event the Purchaser will proceed to the next lowest evaluated Bidder to make a similar determination of that Bidder’s capabilities to perform satisfactorily.

3.2 Qualification of the Bidder -

Bidders shall demonstrate that they are qualified to Bid as part of the Bidding process and complete the forms set out under Bid Submission Form and Qualification of the Bidder. The detailed forms are found in Section IV Bidding Forms.

Criteria	Compliance Requirement			Documents	
Requirement	Single Entity	Joint Venture		Sub-Contractor	Submission Requirements
		All Partners Combined	Each Partner		
3.2.1 Eligibility					
3.2.1.1 Nationality					
Nationality in accordance with ITB 4.2 – Bidder shall be an Indian company incorporated or registered	must meet requirement	existing or intended Joint Venture Contract	must meet requirement	NA	Form 4 3.1 with attachments if required.

Criteria	Compliance Requirement				Documents
Requirement	Single Entity	Joint Venture		Sub-Contractor	Submission Requirements
		All Partners Combined	Each Partner		
in, and operates in accordance with the provisions of the Laws of India, with Indian holding more than 76%.		Agreement (JVCA) must meet requirement			
3.2.1.2 Conflict of Interest					
No- conflicts of interest as described in ITB 4.3.	must meet requirement	existing or intended JVCA must meet requirement	must meet requirement	must meet requirement	Form 4.3.1 with attachments if required
3.2.1.3 Debarment					
Not having been declared ineligible as described in ITB 4.4.	must meet requirement	existing or intended JVCA must meet requirement	must meet requirement	must meet requirement	Form 4.3.1 with attachments if required
3.2.2 Historical Contract Non-Performance					
3.2.2.1 History of non-performing Contracts					
Non-performance of a Contract did not occur within the last Five (5) years prior to the deadline for Bid submission. Non-performance must be based on fully settled disputes or litigation. . A fully settled dispute or litigation is one that has	Must meet requirement	Must meet requirement by itself or as partner to past or existing JVCA	Must meet requirement	must meet requirement	Form 4.3.2

Criteria	Compliance Requirement				Documents
Requirement	Single Entity	Joint Venture		Sub-Contractor	Submission Requirements
		All Partners Combined	Each Partner		
been resolved in accordance with the Dispute Resolution Mechanism under the respective Contract, and where all appeal instances available to the Bidder have been exhausted.					
3.2.2.2 Pending Litigation					
All pending litigation shall in total not represent more than 25 percent of the Bidder's net worth and all pending litigation shall be treated as resolved against the Bidder.	Must meet requirement	Must meet requirement by itself or as partner to past or existing JVCA	Must meet requirement	must meet requirement	Form 4.5
3.2.3 Financial Situation					
3.2.3.1 Financial Capability					
Submission of audited financial statements acceptable to the Employer, for the immediately preceding 3 years to demonstrate the current soundness of the Bidders financial position and its prospective long-term profitability. As a	Must meet requirement	N / A	Must meet requirement	N/A	Form 4.3.3 with attachments

Criteria	Compliance Requirement			Documents	
Requirement	Single Entity	Joint Venture		Sub-Contractor	Submission Requirements
		All Partners Combined	Each Partner		
minimum, a Bidder's net worth calculated as the difference between total assets and total liabilities should be positive.					
3.2.3.2 Average Annual Turnover					
<p>The minimum average annual turnover of the bidder should not be less than Indian Rupees Two Hundred Crore (INR 200 Crore) calculated as total certified payments received for contracts in progress or completed, within the last three (03) years.</p> <p>Note: The turnover refers to the standalone turnover of the company and not the company's turnover of its subsidiaries/sister companies/Associates etc.</p>	Must meet requirement	all partners must meet requirement	Must meet. the requirement	N/A	Form 4.3.4
3.2.3.3 Financial Resources					

Criteria	Compliance Requirement				Documents
Requirement	Single Entity	Joint Venture		Sub-Contractor	Submission Requirements
		All Partners Combined	Each Partner		
The Bidder must demonstrate access to, or availability of, financial resources such as liquid assets, unencumbered real assets, lines of credit, and other financial means, other than any Contractual advance payments to meet the cash-flow requirement of INR Fifty Crore (INR 50 Crore)	Must meet requirement	Must meet requirement	Must meet 25% of the requirement	N/A	Form 4.3.5 with attachments
3.2.4 Experience					
3.2.4.1 General Experience					
Experience under Information Technology Contracts in the role of Lead Contractor or Lead System Integrator for at least the last five (05) years prior to the Bid submission deadline,	Must meet requirement	N / A	Must meet requirement	Must meet requirement	Form 4.3.7
3.2.4.2 Specific Experience of the Bidder					
1. During the last Ten (10) years, bidder must have successfully completed (end-to-end) at least one (01) software solution for a foundational ID platform and supporting ecosystems	Must meet requirement.	Lead Bidder must meet requirements for one or more	N / A	N/A	Form 4.3.8

Criteria	Compliance Requirement			Documents	
Requirement	Single Entity	Joint Venture		Sub-Contractor	Submission Requirements
		All Partners Combined	Each Partner		
<p>(contracts in similar scope and size) with the value of not less than INR Hundred and Ten Crore (INR 110 Crore) or two projects with value of each project not less than INR Seventy Crore (INR 70 Crore). The similarity shall be based on the physical size, complexity, methods /technology or other characteristics as described in the Bidding Document. The contracts should have received final acceptance. Further the system has been in operation satisfactorily during the last one (01) year counted from the date of bid submission deadline and also Implementations having one or more of the following next generation technologies such as AI/machine learning, micro services, DevOps. Test automation, cloud enablement.</p> <p>ii. The MSI should have ISO 9001:2015 or latest, Software developer certification ISO/IEC 27001: 2013 or latest and CMMI Level iii.</p>		characteristics.			
(II). The agency should have	Must meet	Lead bidder Must meet	N/A	N/A	Bidder shall submit an

Criteria	Compliance Requirement			Documents	
Requirement	Single Entity	Joint Venture		Sub-Contractor	Submission Requirements
		All Partners Combined	Each Partner		
<p>at least 100 professionally qualified, technical personnel capable of dealing with similar projects.</p> <p><i>Note: Technically qualified professionals are defined as fulltime staff who hold graduate or post graduate degrees and who are engaged in delivery of IT services to clients.</i></p>	requirement.	requirement.			valid affidavit.
3.2.4.3 Specific Experience of the Bidder/Sub-contractor					
<p>1. Biometric Devices:</p> <p>i. The bidder/ sub-contractor(s) should have successfully completed one project by providing minimum 5,000 enrolment devices (approximately 1500-Fingerprint, 1500-Facial, and 1500-Iris) and minimum 750 x 03 authentication devices from biometric modalities including device management servers in solution implementations, with minimum financial value of Indian rupees Thirty Six Crore (INR 36 Crore) or two (02) projects with value of</p>	meet requirement (if applicable)	N/A	N / A	Bidder/Sub-contractor must meet requirement.	Form 4.3.1 and 4.3.8 with attachments.

Criteria	Compliance Requirement			Documents	
Requirement	Single Entity	Joint Venture		Sub-Contractor	Submission Requirements
		All Partners Combined	Each Partner		
<p>each project not less than INR Twenty Three Crore (INR 23 Crore) during last five (5) years.</p> <p>ii. Automated Biometric SDK and manual adjudication: The bidder/ sub-contractor should have successfully operationalized at least one (01) solution implementation with minimum 20 million records, with minimum financial value of Indian rupees Eighty Four Crore (INR 84 Crore) or two (02) projects with value of each project not less than INR Fifty Three Crore (INR 53 Crore) during last five (5) years.</p> <p>iii. Systems Infrastructure: The bidder/ sub-contractor should have successfully completed at least one (01) system Infrastructure project of minimum financial value of Indian rupees Two Hundred and Twenty Crore (INR 220 Crore) or two (02) projects with value of each project not less than INR One</p>	N/A	N/A	N/A	Bidder/Sub-contractor must meet requirement	Form 4.3.1 and 4.3.8 with attachments
	N/A	N/A	N/A	Bidder/Sub-contractor must meet requirement	Form 4.3.1 and 4.3.8 with attachments

Criteria	Compliance Requirement			Documents	
Requirement	Single Entity	Joint Venture		Sub-Contractor	Submission Requirements
		All Partners Combined	Each Partner		
<p>Hundred Forty Crore (INR 140 Crore) during last five (5) years.</p> <p>Experience of having executed system integration or managed services as a major component of the scope of work having minimum 5 or more of the following features.</p> <ul style="list-style-type: none"> • Implementation of private cloud infrastructure • Implementation of software defined data centre. • Implementation of automation in data centre and infrastructure management • Large storage migrations • Network virtualization • Server Virtualization • Storage virtualization • Data center Migration/consolidation • Management of security Operations centre • Management of 					

Criteria	Compliance Requirement			Documents	
Requirement	Single Entity	Joint Venture		Sub-Contractor	Submission Requirements
		All Partners Combined	Each Partner		
<p>Network operations centre</p> <p>In the case of consortium or subcontracting arrangement, the Prime Bidder shall be responsible ensure the delivery of the complete solution contracted, bidder or any member of consortium or of the sub-contractor can submit project experience from their holding company or group companies. Certification confirmation the same should be provided by holding company or group companies. Certification confirmation the same should be provided by the holding company or group companies.</p>					

3.2.5 Key Personnel and Details

The Bidder must state the structure of the Bidder's Project Team that is proposed for the implementation of the Contract with their qualifications, general experiences and specific experiences. Details of the duration and stages of the involvement of the key personnel of the Project Team should be stated.

The Project Manager and all other team members should have substantial experience in the respective area for which they are proposed. It is preferred if the key staff proposed for the project are full time employees of the Bidder or a Joint Venture partner. Bidder must provide a detailed staffing plan including Curriculum Vitae of each of the proposed Project Team member by using the Forms 4.4.1 (Key Personnel Details) and 4.4.2 (Key Personnel) given in Section IV – Bidding Forms.

The MSI is required to submit a detailed organization structure in the technical proposals which should mention all the resources, their roles in project, responsibilities assigned to them, their deployment (man-months). In addition, the deployment plan for these resources should be consistent with the deployment duration specified in the technical proposal.

The MSI should ensure the other key professionals who are proposed through this assignment/ contract are available on-demand throughout the duration of the assignment/contract without delay to ongoing SL-UDI project activates.

The MSI should ensure adequate support staff to assist the Project Management professional are assigned to this project.

The resources (engineers, developers, and testers) should be adequately trained in respective technologies being proposed for this engagement. Wherever such certification is available from the OEM, the resources should also have the OEM issued certification for their specific roles.

3.2.5.2 Minimum Qualifications of Key Professional Staff

- (i) The MSI should give the team of professionals with the curriculum vitae and the team organization, of which the validity and accuracy of the CVs are very important. For the profile included under the technical evaluation (refer Volume-1), the CVs are to be submitted by the bidder with the technical proposal. For other profiles (not included in technical evaluation as well as non-key professionals), the CVs are to be submitted by the selected bidder at the time of team mobilization.
- (ii) For technical profiles, the resources should have the relevant technology/product certifications from the respective OEM, wherever available.

Table 3.3: Minimum Qualifications of Key Professional Staff

No	Key Professional Staff	Academic Professional &	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
Project Management Roles					
1	Project Director	MBA Certifications: Certification in Project Management (PMP, or Prince2	20 years	05 years	Experience in handling at least 5 (five) technology-led end-to-end projects of similar scale (scope, timeline, and budget) and out of this at least 1 (one) project should be in government sector. Experience of managing a portfolio of projects, and experience of periodic interaction with C-level of the organization Experience of working in a multi-cultural and diverse environment

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
		and related)			in at least 3 countries.
2	Technical Project Manager	MBA Certifications: (1) Mandatory – SCRUM Master (2) Other Certification (PMP, or Prince2) in Project Management	15 years	10 years	Experience in handling at least 3 (three) technology-led end-to-end projects of similar scale (scope, timeline, and budget) and out of this at least 1 (one) project should be in government sector. Experience as project manager on a national identity project with biometric aspect
3	Support and Operations Manager	M.Tech./, M.E., equivalent Certifications: ITIL (mandatory)	15 years	05 years	Experience of at least 3 (three) technology-led projects as support manager role in a project of similar scale (scope, timeline, and budget) Experience in managing operations, maintenance, and support (L1, L2 and L3) aspects during O&M phase of a large project in the government sector. Experience in managing operations, maintenance, and support

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
					(L1, L2 and L3) aspects during O&M phase of a large project with multiple OEMs, ecosystem partners, sub-contractors, etc. Experience is mandatory in a similar capacity on (a) biometric based projects, (b) DevSecOps, (c) Cloud Infrastructure, (d) Network and Security, and (e) Change Management
Architects					
1	Chief Architect	M.S./ M.Tech, M.E./ M.C.A. Certifications: TOGAF	15 years	10 years	Experience in designing enterprise architecture for at least 3 (three) large scale technology-led projects of similar scale (scope, timeline, and budget) and out of this at least 1 (one) project should be in government sector. Experience is mandatory in a similar capacity on (a) biometric based projects, (b) DevSecOps, (c) Cloud Infrastructure, (d) Network and Security, (e) microservices, (f) enterprise architecture, server architecture, network architecture, database architecture, security architecture, deployment architecture etc. Experience of National Identity project is mandatory. Experience or Knowledge of MOSIP is desirable

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
2	Software Architect (Application Architect)	M.S./M.Tech, /M.E. / M.C.A./ B.Tech. /B.E.	12 years	5 years	<p>Experience in designing solution/application architecture for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget)</p> <p>Experience is mandatory in a similar capacity on (a) biometric based projects, (b) Agile methodology, (c) DevSecOps, (d) Microservices architecture, (e) software architecture (Docker based deployment, Hybrid Mobile Application Development, etc.), (f) integration architecture, and (g) quality engineering.</p> <p>Experience of National Identity project is mandatory.</p> <p>Experience or Knowledge of MOSIP is desirable</p>
3	Security and Network Architect	B.E./ B.Tech/ M.S./ M.Tech/ M.E/ M.C.A./	12 years	5 years	<p>Experience in designing security architecture for at least 5 (give) large scale technology-led projects.</p> <p>Experience is mandatory on (a) Biometric based projects, (b) DevSecOps, (c) establishing and managing security operation center, (d) governance, risk, and compliance, (e) authentication and authorization standard, (f) Information security products design and deployment and (g) business continuity planning.</p> <p>Experience is mandatory in information technology security</p>

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
					<p>design, operations, encryption, information access, biometric security, and authentication processes.</p> <p>Relevant experience in managing and reviewing the configuration of security devices and solutions such as IAM, DLP, WAF, firewall etc.</p> <p>Experience of projects with ISO 27001 and ISO 22301 compliances</p> <p>Experience of National Identity project is mandatory.</p> <p>Experience or knowledge of MOSIP is desirable</p>
4	Infrastructure & Systems Architect	M.S./ M.Tech/ M.E/ M.C.A./ B.Tech./ B.E. Certifications: Cloud Architect	12 years	5 years	<p>Experience in designing systems and infrastructure architecture for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget)</p> <p>Experience is mandatory on (a) Highly scalable private cloud platforms, (b) DevSecOps, (c) Object storage platforms, (d) Kubernetes, (e) Microservices, (f) Docker based deployment, (g) multi-site architecture.</p> <p>Experience or Knowledge of MOSIP is desirable</p>

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
5	Database Architect	M.S./ M.Tech/ M.E./ M.C.A./ B.Tech./ B.E. Certifications: DBA	12 years	5 years	<p>Experience in designing database architecture for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget)</p> <p>Experience is mandatory in a similar capacity on (a) biometric based projects, (b) relational and non-relational database, (c) clustering and replication, (d) backup and restoration, (e) database optimization and tuning, (f) disaster recovery, (g) space management.</p> <p>Experience in the architecture and design of population scale databases</p> <p>Experience of National Identity project is mandatory.</p> <p>Experience or Knowledge of MOSIP is desirable</p>
6	Quality Assurance Architect	M.S/ M.Tech/ M.E/ M.C.A./ B.Tech./ B.E. Certifications: ISTQB	12 years	5 years	<p>Note – This profile should directly report to Project Director as well as Chief Architect.</p> <p>Experience in designing quality architecture for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget)</p> <p>Experience is mandatory in a similar capacity on (a) biometric</p>

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
		(International Software Testing Qualifications Board) or CMSQ (Certified Manager of Software Quality)			based projects, (b) Agile methodology, (c) DevSecOps, (d) manual and automation testing, and (e) non-functional testing. Experience of National Identity project is mandatory. Experience or Knowledge of MOSIP is desirable
Team Leads					
1	Team Lead – UI/UX	M.S./ M.Tech/ M.E./ M.C.A./ B.E./ B.Tech/ B.Des. Certifications preferred: UI/UX or design thinking	10 years	5 years	Experience in designing user experience and user interfaces for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget) Experience is mandatory on (a) Design thinking, (b) Enterprise Applications, (c) Wireframing and Prototyping, and (d) Hybrid Mobile Applications
2	Team Lead – Business Analyst	M.B.A/, M.S./ M.Tech./ M.E/ M.C.A./ B.E./	10 years	5 years	Experience in leading the business analysis for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget)

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
		B.Tech./ B.C.A Certification: IIBA, PBA, CSPO			Experience is mandatory in (a) requirement gathering and elicitation, (b) agile practices, (c) product ownership experience, (d) Lead the team of business analysts in a cross-territory environment, (e) business process re-engineering, and (f) national identity. Knowledge of MOSIP and all COTS/OTS components is preferable. Note: This profile should be supported with adequate number of Business Analysts and Product Owners (at least one per component working in parallel as per the project plan).
3	Team Lead – Quality Assurance	MBA/ M.S./ M.Tech/ M.E./ M.C.A./ B.E./ B.Tech/ B.C.A Certifications: ISTQB (International Software Testing	12 years	8 years	Note – This profile should directly report to quality assurance architect. Experience in leading the quality assurance for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget) Experience is mandatory on (a) Test plan development, (b) agile practices, (c) Test automation and DevSecOps, (d) leading security, performance, integration, and API testing etc. as applicable for this project.

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
		Qualifications Board) or CMSQ (Certified Manager of Software Quality)			
4	Team Lead – Training and Certification – Reward the title	Any degree.	10 years	5 years	<p>Experience in leading the training as a master trainer under the train the trainer approach for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget) out of which at least 1 (one) project should be in the government sector.</p> <p>Experience of the establishing a certification program for a large-scale project</p> <p>Should be able to fluently read and speak local languages (Sinhalese and Tamil) as well as English</p>

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
5	Track Lead – Data and Analytics	M.S./ M.Tech./ M.E./ M.C.A/, B.E/ B.Tech./ B.C.A	10 years	5 years	<p>Experience in leading the data and analytics track for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget)</p> <p>Experience is mandatory on (a) structured and unstructured data handling, (b) data visualization, (c) trend analysis, fraud analysis, etc.</p>
6	Track Lead – Network & Security	<p>M.S./ M.Tech./ M.E./ M.C.A./ B.E/ B.Tech./ B.C.A</p> <p>Certifications preferred: PMP / CISSP / CCNA / CISM / CompTIA Network+ / CGRC-IT / ITIL / TOGAF</p>	10 years	5 years	<p>Experience in leading the network and security tracks for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget)</p> <p>Experience in following is mandatory in similar capacity.</p> <p>(a) At least 6 years of experience in IT / networks and telecommunications including at least 4 years as network administration for large missions.</p> <p>(b) Experience as main administrator of 3 large network installations</p> <p>(c) Experience in managing at least 5 completed projects for large, enterprise scale clients for information security related work.</p> <p>(d) Should have in-depth knowledge of international information</p>

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
					<p>security related standards such as ISO 27001, NIST cybersecurity framework, etc.</p> <p>(e) Experience in advising senior management on IS strategies and implementation plans at the organization ecosystem level.</p> <p>(f) Experience in using open sources tools and technologies and managing risks and vulnerabilities across the same.</p> <p>(g) Technical expertise in the management of the deployment and maintenance of large networks, network security, access administration, system integrity / reliability</p> <p>(h) Experience of establishing, supervising, and operating the Security Operations Centre</p>
7	Track Lead – Data Centre Manager	M.S./ M.Tech/ M.E./ M.C.A/ B.E/ B.Tech/ B.C.A/, B.Sc/, M.Sc,	10 years	5 years	<p>Note – This profile should be from the data center co-location provider in Sri Lanka.</p> <p>Experience in leading the data center and/or cloud infrastructure tracks for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget)</p> <p>Experience of Data Center for large scale technology-led projects in the government sector</p>

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
					<p>Experience in following is mandatory in a similar capacity.</p> <p>(a) At least 5 years of experience as a Data Center Manager, managing all aspects of large infrastructure projects</p> <p>(b) At least 3 years of experience in the operations of data center in a highly scalable manner</p> <p>(c) Experience in the supervision and administration of DC infrastructure operations</p> <p>(d) Experience in the design and management of structured cabling infrastructures and in-depth knowledge of cable distribution systems and industry standards</p>
8	Track Lead – Systems Engineering	M.S./ M.Tech/ M.E./ M.C.A/, B.E/ B.Tech/ B.C.A	10 years	5 years	<p>Experience in leading the data center and/or cloud infrastructure tracks for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget)</p> <p>Experience in following is mandatory in a similar capacity.</p> <p>(a) At least 5 years of experience as a System Engineer, managing all aspects of large infrastructure projects</p> <p>(b) At least 3 years of experience in the establishment and operations of on-premises cloud environment and highly scalable</p>

No	Key Professional Staff	Academic Professional &	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
					<p>private cloud platforms</p> <p>(c) Experience in the supervision and administration of DC infrastructure operations</p> <p>(d) Experience in Micro services, Object storage platforms, Kubernetes, Micro services, Docker based deployment</p> <p>(e) Experience in backup and restoration, disaster recovery and business continuity</p>
9	Track Lead Application Manager	- M.S./ M.Tech/ M.E/, M.C.A./ B.E/ B.Tech/ B.C.A	10 years	5 years	<p>Experience in leading the software tracks for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget)</p> <p>Experience in following is mandatory in a similar capacity.</p> <p>(a) At least 5 years of experience in application development and implementation management</p> <p>(b) Experience in implementing, operating, and maintaining a wide range of applications (bespoke applications, open-source products, commercial products, etc.)</p> <p>(c) Experience in national identification systems, enrolments, and</p>

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
					authentication
10	Track Lead – Biometric	M.S./ M.Tech/ M.E./ M.C.A./ B.E/ B.Tech/ B.C.A	10 years	5 years	<p>Experience in leading the biometric solution implementation for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget)</p> <p>Experience in following is mandatory in similar capacity.</p> <p>(a) Development, operation, and implementation of biometric solutions</p> <p>(b) Experience in the implementation of biometric solutions and security of biometric devices</p> <p>(c) Experience in identification and authentication systems</p> <p>(d) Mastery of biometric algorithms</p> <p>(e) In-depth knowledge of proposed ABIS system</p> <p>(f) Extensive experience on the ISO biometric standards used in this project</p> <p>Experience in following projects is desirable in similar capacity</p> <p>(a) National ID projects and (b) MOSIP based solutions in projects</p>

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
11	Track Lead – Enrolment and Authentication	M.S./ M.Tech/ M.E./ M.C.A./ B.E/ B.Tech/, B.C.A	10 years	5 years	<p>Experience in leading the enrolment and authentication implementation for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget)</p> <p>Experience in following is mandatory in a similar capacity.</p> <p>(a) Experience in operations management</p> <p>(b) Experience in redesigning and optimizing processes and desirable</p> <p>(c) Experience in the management of complex authentication systems</p> <p>(d) Mastery of the field of cryptology</p> <p>(e) Proficiency in risk assessment procedures, policy training, role-based authorization methodologies, and authentication technologies</p> <p>Experience of National Identity project is mandatory.</p> <p>Experience or Knowledge of MOSIP is desirable.</p> <p>Knowledge of business models, pricing, etc. is desirable</p>

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
Experts and Administrators					
1	Expert – Legal Specialist	LLB & Attorney at Law	10 years	3 years	<p>Experience as legal expert for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget)</p> <p>Experience is mandatory in similar capacity on national-level identity projects.</p> <p>Must have good knowledge of identity management systems, data protection, information security related laws pertaining with a global exposure and other relevant laws and legal framework of Sri Lanka</p>
2	Expert – Change Management & Adoption Specialist	MSc / BSc Degree in human resource management, change management	15 years	10 years	<p>Experience as change management specialist for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget) in government sector</p> <p>Knowledge of the following areas:</p> <p>(a) best practices and successful case studies of change management</p> <p>(b) applying a structured methodology and leading change</p>

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
					<p>management activities</p> <p>(c) Supporting change communication,</p> <p>(d) assessing the change impact</p> <p>(e) supporting training efforts related to change management.</p> <p>Note: In addition to other responsibilities, the Change Management and Adoption specialist, should also work closely with the Project Manager to identify and mitigate risks from the change management perspective.</p>
3	Infrastructure Lead	<p>B.E. / B. Tech / M.Sc. / MCA / M. Tech</p> <p>Certifications: ITIL or equivalent</p>	10 years	5 years	<p>Experience in leading infrastructure aspects for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget)</p> <p>Experience in following is mandatory in a similar capacity.</p> <p>(a) Experience in managing all aspects of large infrastructure projects</p> <p>(b) Experience in managing at least 3 completed projects for large, enterprise scale clients for IT Infrastructure related work</p> <p>(c) Object storage platforms, Kubernetes, Docker based</p>

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
					deployment. (d) Highly scalable private cloud platforms
4	System Engineer	B.E. / B. Tech / M.Sc. / MCA / M. Tech Certifications: MCSE/VMWare Certified Professional Data Center Professional	8 years	5 years	Experience in System Engineer for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget) Experience in following is mandatory in similar capacity. (a) Experience is managing Servers, Virtualization Platform or Containers aspects of large infrastructure projects (b) Experience in managing at least 3 completed projects for large, enterprise scale clients for IT System Administrator related work.
5	Network Manager	B.E. / B. Tech / M.Sc. / MCA / M. Tech Certifications: CCNP	10 years	5 years	Experience in leading networking aspects for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget) Experience in following is mandatory in a similar capacity. (a) Experience of operationalizing and managing the large-scale network operations center (b) Experience in managing at least 3 completed projects for large,

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
					enterprise scale clients for Data Centre Network (c) Experience of leased line, MPLS, SDWAN, etc.
6	Network Engineer	B.E. / B. Tech / M.Sc. / MCA / M. Tech Certifications: CCNP	8 years	5 years	Experience in leading networking aspects for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget) Experience in following is mandatory in a similar capacity. (a) Deploying Network Components within the Data Centre and Disaster Recovery Site (b) Experience in implementation and operations of at least 3 completed projects for large, enterprise scale clients for Data Centre Network (c) Experience of leased line, MPLS, SDWAN, etc.
7	Storage and Backup Administrator	B.E. / B. Tech / M.Sc. / MCA / M. Tech or equivalent Certifications: The resource shall have	8 years	5 years	Experience as Storage and Backup Administrator for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget) Experience in following is mandatory in similar capacity. (a) Experience in managing Storage and Backup Solutions

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
		certification of the proposed product (preferred)			(b) Experience in managing at least 3 completed projects for large, enterprise scale clients for Storage and Backup & Restoration Solutions (VTL, Tape Drives, etc.)
8	CRM Engineer	B.E. / B. Tech / M.Sc. / MCA / M. Tech	8 years	5 years	<p>Experience as CRM engineer for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget)</p> <p>Experience in following is mandatory in similar capacity.</p> <p>(a) Experience in managing CRM Software</p> <p>(b) Experience in managing at least 3 call center projects</p>
9	BI Reporting and Data Analytics Engineer	B.E. / B. Tech / M.Sc. / MCA / M. Tech	8 years	5 years	<p>Experience as BI Reporting and Data Analytics Engineer for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget)</p> <p>Experience in following is mandatory in similar capacity.</p> <p>(a) Experience in managing BI Reporting and Data Analytics Software</p> <p>(b) Experience in designing, developing, and maintaining the reports, dashboards, and analytics</p>

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
10	Application Engineer	B.E. / B. Tech / M.Sc. / MCA / M. Tech	8 years	5 years	<p>Experience as Application Engineer for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget)</p> <p>Experience in following is mandatory in similar capacity.</p> <p>(a) Experience in managing Software Applications</p> <p>(b) Experience in designing, developing, and maintaining the software applications (bespoke, COTS/OTS, etc.)</p>
11	Middleware Expert	B.E. / B. Tech / M.Sc. / MCA / M. Tech or equivalent Certifications: The resource shall have certification of the proposed product	8 years	3 years	<p>Experience as Middleware Expert for at least 2 (two) large scale technology-led projects of similar scale (scope, timeline, and budget)</p> <p>Experience in deploying, integrating, and managing middleware platforms in at least 3 completed projects for large, enterprise scale clients</p>
Biometrics (From BSP)					
1	Biometric – Implementation	B.E. / B. Tech / B.Sc. / M.Sc. /	8 years	3 years	Experience as integration engineer for biometric applications in large scale technology-led projects

No	Key Professional Staff	Academic Professional &	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
	and Integration Engineer	MCA / M. Tech			<p>Experience in following projects is mandatory in a similar capacity.</p> <p>(a) Software integration of biometric applications using similar architecture</p> <p>(b) Should have been a lead integration engineer for a biometric project of comparable size and complexity (Multi-modal ABIS of at least 20 million gallery size)</p> <p>(c) Windows, Linux, middleware, high performance messaging, Java/J2EE, C, ISO standards for biometrics and other technologies needed for server integration or experience in knowledge of Windows, .NET, C#, C, biometric device protocols and formats</p> <p>(d) Knowledge of integrating the proposed biometric SDK</p> <p>(e) Exposure to RestAPIs and API security</p>
2	Biometric - QA and Test Engineer	B.E. / B. Tech / B.Sc. / M.Sc. / MCA / M. Tech Certified Software Test Engineer or	10 years	5 years	<p>Experience as QA engineer in biometric applications for large scale technology-led projects</p> <p>Experience in following is mandatory in a similar capacity.</p> <p>(a) Should have been a Lead QA engineer for a project of comparable size and complexity (biometric, high-performance</p>

No	Key Professional Staff	Academic Professional &	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
		equivalent			<p>middleware, Windows, Linux, Java/J2EE, .NET)</p> <p>(b) Should have good knowledge of application level biometric integration</p> <p>(c) Should have previous experience of manual and automation testing using automation test technologies,</p> <p>(d) Should have previous experience of various types of testing including user acceptance testing, performance benchmarking, etc.</p> <p>Note: This profile should work closely with the combined testing team as well as offsite subject matter experts specializing in this area</p>
3	Engineer – Systems, Backup and Restoration	<p>B.E. / B. Tech / B.Sc. / M.Sc. / MCA / M. Tech</p> <p>Certified in Proposed Solution</p>	10 years	5 years	<p>Experience as system engineer in biometric applications for large scale technology led projects.</p> <p>Experience in following is mandatory in a similar capacity.</p> <p>(a) Should have highly specialized technical expertise to handle System Administration challenges for systems of size and complexity that are being proposed as part of this solution.</p> <p>(b) Should have been a Lead system performance specialist for a project of comparable size and complexity (biometric, high-</p>

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
					<p>performance middleware, Windows, Linux, COTS H/W, high availability)</p> <p>(c) Should have good knowledge of biometric systems and dependent infrastructure</p> <p>(d) Should have experience of backup and restoration of proposed ABIS solution and should be hands on proposed tools for backup and restoration</p>
4	Biometric Specialist	<p>B.E. / B. Tech / B.Sc. / M.Sc. / MCA / M. Tech</p> <p>Certifications: IEEE Certified Biometrics Professional (CBP) Program,</p>	10 years	5 years	<p>Experience as biometric specialist for biometric applications in large scale technology-led projects</p> <p>Experience in following is mandatory in a similar capacity.</p> <p>(a) Should have been a Lead biometric specialist for a project of comparable size and complexity (Multi-modal ABIS of at least 20 million gallery size)</p> <p>(b). Should have thorough knowledge biometric algorithms, biometric devices, and identity management systems.</p> <p>(d). Should have over 2 years of experience in conducting performance and accuracy improvements.</p> <p>(e). Should have over 2 years of experience with (i) fingerprint</p>

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
					devices and algorithm, (ii) iris devices and algorithm, (iii) facial capture devices and algorithm and (iv) voice capture devices and algorithm
Security Team					
1	Information Security Manager	B.E. / B. Tech / B.Sc. / M.Sc. / MCA / M. Tech / MBA degree Certifications: PMP / CISSP / CISM / CGRC-IT / ITIL / TOGAF	10 years	6 years	<p>Experience as information security manager for at least five large scale technology-led projects.</p> <p>Experience in following is mandatory in a similar capacity:</p> <p>(a) Experience in managing all aspects of large cybersecurity projects.</p> <p>(b) Managing and performing internal audits on regular interval and manage external audits.</p> <p>(c) Periodic reviews of emerging technology risks and vulnerabilities that may impact the SL UDI project.</p> <p>(d) Ensuring that threats, vulnerabilities, cyber risks are proactively identified and appropriately mitigated, avoided or accepted.</p> <p>(e) Experience in managing at least 3 completed projects for large,</p>

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
					<p>enterprise scale clients for security related work.</p> <p>(f) Experience of developing, implementing, and monitoring the security policies, protocols, and procedures.</p> <p>(g) Experience of managing and operating the next generation security operations center.</p>
2	Fraud and Forensics Expert	<p>Education: B.E. / B. Tech / B.Sc. / M.Sc. / MCA / M. Tech / MBA degree</p> <p>Certifications: CHFI / CFS / GIAC</p>	8 Years	5 Years	<p>Experience in managing fraud and forensics management related projects for at least 3 large scale technology-led projects.</p> <p>Experience in following is mandatory in a similar capacity:</p> <p>(a) All aspects of fraud management analysis, fraud prevention / detection in multiple domains.</p> <p>(b) Handling frauds across multiple industry domains.</p> <p>(c) Should be able to identify and look at a vast array of unstructured data to identify possible fraud and fraud patterns.</p> <p>(d) Conducting forensic investigations and use of forensic tools.</p>
3	Vulnerability Management	B.E. / B. Tech / B.Sc. / M.Sc. / MCA / M. Tech	8 years	5 years	Experience in vulnerability assessment for at three large scale technology-led projects.

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
	Expert	degree Certifications: GWEB / GWAPT / CEH / ECSA / LPT / OSCP / OSCE			<p>The team should have people who jointly have experience in all the following areas:</p> <p>(a) Experience in web application security testing, mobile application security testing, API security testing. This includes security audit against functional requirements and audit against technical architecture for compliance to it.</p> <p>(b) Excellent understanding of application security assessments in each phase of the software development lifecycle. Excellent understanding in Java security knowledge of the android/iOS mobile application testing and REST and SOAP API Testing.</p> <p>(c) Experienced in managing the vulnerability assessment and penetration testing program and conducting vulnerability assessments and penetration testing (VAPT).</p> <p>(d) Strong knowledge of offensive security testing and industry standards such as OWASP, SANS, etc.</p> <p>(e) Experience in conducting source code reviews (manual as well as tool based)</p>
4	Threat Hunting Analyst	B.E. / B. Tech / B.Sc. / M.Sc. / MCA / M. Tech	8 years	5 years	Experience in managing thread hunting for at least three large scale technology-led projects.

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
		<p>degree</p> <p>Certified with any threat hunting certification, Certificate from Bug Bounty, Zero Day / Vulnerability reporting with proof</p>			<p>Experience in following is mandatory in a similar capacity:</p> <p>(a) Experience of Performing threat management, threat modelling, identifying threat vectors and developing use cases for security monitoring.</p> <p>(b) Seasoned threat hunter and should have experience in performing threat hunting across multiple areas such as web / network / endpoint across industry domains / surface / deep / dark web. Should be able to identify threats and provide relevant suggestions to be protected from such threats.</p> <p>(c) Maintaining and continually evaluating cyber threat intelligence sources for changes that increase overall effectiveness and timeliness.</p> <p>(d) Should have expertise in working on a Threat Intelligence Platform. Should have hands on experience on</p> <ul style="list-style-type: none"> - Threat Identification (internal & external) - Orchestration of threat intelligence - Contextual reporting and tracking - Consuming multiple threat intelligence feeds and integrating

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
					<p>them with analytics solution tools via creating required workflows.</p> <p>(e) Should have experience in reverse engineering and correlating the incidents and events</p>
5	Network and Perimeter Security Expert	<p>B.E. / B. Tech / B.Sc. / M.Sc. / MCA / M. Tech degree</p> <p>Certifications: CEH / GPEN / GCFW / CCNA / CCNP / CCSE / CCSA</p>	8 years	5 years	<p>Experience in managing Network and Perimeter Security for at least three large scale technology-led projects.</p> <p>Experience in following is mandatory in a similar capacity:</p> <p>(a) Managing security of countrywide / large enterprise-scale networks.</p> <p>(b) Deep understanding of network security, protection of networks using controls related to people process and technology, well versed with various tools used for protection of networks and related components from a security perspective.</p> <p>(c) Shall have expertise with network equipment (including routers, switches, firewalls, IPS, WAF, LAN/WAN components etc.) against the bill of material and specifications.</p> <p>(d) Excellent knowledge of OSI Model, TCP/IP protocol suite (IP, ARP, CMP, TCP, UDP, SNMP, FTP).</p> <p>(e) Experience in at least 3 completed projects for large, enterprise</p>

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
					<p>scale clients in the above-mentioned network security areas.</p> <p>(f) Creating technical documentation, network diagrams, inventory control documentation, and security documentation</p> <p>(g) Evaluation, coordination, and implementation of Information Technology Security within the end-to-end solution including development and coordination for implementation of IT security related policies, standards and procedures relating to cyber-security controls, applications, networks, client devices etc.</p>
6	BCP-DR Engineer	B.E. / B. Tech / B.Sc. / M.Sc. / MCA / M. Tech / MBA degree Certifications: ISO 22301 / CISA/ CISM / CISSP / CBCP / BCCS / BCCP / DRCS / CISRCP	8 years	5 years	<p>Experience in managing similar BCP and DR for at least three large scale technology-led projects.</p> <p>Experience in following is mandatory in a similar capacity:</p> <p>(a) Performing BCP/DR operations life cycle for large data centers and big enterprises.</p> <p>(b) Infrastructure systems, backup software and BIA, RPO and RTO strategies, risk evaluation.</p> <p>(c) Deep understanding of IT DR at both a technical and business level.</p> <p>(d) Facilitating development of continuity plans, design cost-</p>

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
					<p>effective risk mitigation controls in alignment with the business and in consultation with the responsible stakeholders.</p> <p>(e) Creating recovery plan for full site restoration including order of operations.</p> <p>(f) Strong understanding of Operational risk and resilience, Business Process improvement methods as well as risk related control frameworks and practices.</p>
7	Security Operations Expert	<p>B.E. / B. Tech / B.Sc. / M.Sc. / MCA / M. Tech degree</p> <p>Certifications: Relevant OEM certifications</p>	<p>L1 resource: 2+ years.</p> <p>L2 resource: 4+ years.</p> <p>L3 resource: 7+ years</p>	<p>L1 resource: 2+ years.</p> <p>L2 resource: 4+ years.</p> <p>L3 resource: 7+ years</p>	<p>Experience in managing security operations for at least three large scale technology-led projects.</p> <p>Experience in following is mandatory in a similar capacity:</p> <p>(a) Experience in managing and reviewing security incident management process.</p> <p>(b) Experience in security incident management and response operations.</p> <p>(c) Security Operations Center and related tools and technologies such as – SIEM, Packet Analysis, Network Monitoring, SSL, Web Gateway, NAC, Anti-Virus, DLP, kali Linux, NMAP and Nessus.</p>

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
					<p>(d) Analyzing security log data from various security devices.</p> <p>(e) Excellent knowledge and understanding of latest security threats and incidents across the globe.</p> <p>(f) Experienced in governance of security operations and security organization at mid-level.</p> <p>(g) Experience with malware analysis.</p> <p>(h) Experience with reverse engineering and correlating the incidents and events.</p>
8	Patch and Endpoint Management Expert	B.E. / B. Tech / B.Sc. / M.Sc. / MCA / M. Tech degree Certifications: Relevant OEM certifications	8 years	5 years	<p>Experience in managing Patch and Endpoint Management for at least three large scale technology-led projects.</p> <p>Experience in following is mandatory in a similar capacity:</p> <p>(a) Relevant experience in managing and reviewing security devices and solutions such as DLP, EDR, Antivirus, etc.</p> <p>(b) Defining and deploying endpoint profiles while adding and managing access roles for users.</p> <p>(b) Regular patch management activities for large enterprise scale clients.</p>

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
					<p>(c) Driving upgrade and update schedules for Network and security devices.</p> <p>(d) Understanding of various Operating Systems Like Windows Server, Unix, Linux, and Windows desktop, Virtual, Container and Mobile OS.</p> <p>(e) Knowledge of the latest security products, tools, and technologies.</p>
9	Identity and Access Management Expert	B.E. / B. Tech / B.Sc. / M.Sc. / MCA / M. Tech. degree Certifications: Relevant OEM certifications	8 years	5 years	<p>Experience in managing Identity and Access Management for at least three large scale technology-led projects.</p> <p>Experience in following is mandatory in a similar capacity:</p> <p>(a) Managing and reviewing security devices and solutions such as IDAM, PIM/PAM, 2FA etc.</p> <p>(b) Implementation, commissioning, and enhancement of modules of IAM suite (Identity Manager, SSO, Identity Governance, Privileged Identity Manager)</p> <p>(c) Analyzing, designing, implementing, and planning maintenance activities for IAM changes as requested</p> <p>(d) Administering, operating, managing, executing, and governing</p>

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
					the Identity & Access Management (IAM) process and tools for access, recertification and role Management in a global environment
10	Cryptography Expert	B.E. / B. Tech / B.Sc. / M.Sc. / MCA / M. Tech degree, Relevant certification	8 years	5 years	<p>Experience in managing Cryptography for at least three large scale technology-led projects.</p> <p>Experience in following is mandatory in a similar capacity:</p> <p>(a) Experience in managing and reviewing security devices and solutions such as HSM, Key Management, SSL VPN, etc.</p> <p>(b) Knowledge of the PKI infrastructure and experience of PKI related projects.</p> <p>(c) Excellent knowledge and understanding of cryptographic / encryption techniques and digital signatures.</p> <p>(d) Managing database security and privacy assessment including audit against functional requirements and audit against technical architecture for compliance to it.</p> <p>(e) Knowledge of MOSIP related cryptography aspects is desirable</p>

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
11	Database Security Expert	B.E. / B. Tech / B.Sc. / M.Sc. / MCA / M. Tech degree Certifications: Relevant DBA / OEM certification	8 years	5 years	<p>Experience in managing database security related projects for at least 3 large scale technology-led Clients.</p> <p>Experience in following is mandatory in a similar capacity:</p> <p>(a) Excellent knowledge and understanding of large databases and their security measures.</p> <p>(b) Managing and reviewing database security devices and solutions such as DAM, PIM/PAM, etc.</p> <p>(c) Managing database security and privacy assessment including audit against functional requirements and audit against technical architecture for compliance to it.</p>
12	Incident Response Expert	B.E. / B. Tech / B.Sc. M.Sc. MCA / M. Tech. degree Certifications preferred: GCIH / ECIH / CERT-CSIH / CREST CIM Certificate from Bug Bounty,	8 Years	5 Years	<p>Experience in managing incident response for at least three large scale technology-led projects.</p> <p>Experience in following is mandatory in a similar capacity:</p> <p>(a) Managing and reviewing security incident management process.</p> <p>(b) Security incident management and response operations.</p> <p>(c) Knowledge of applications, databases, middleware to address</p>

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
		Zero Day / Vulnerability reporting with proof			security threats against the same. (d) Excellent knowledge and understanding of latest security threats and incidents across the globe.
13	Information Security Officer	B.E. / B. Tech / B.Sc. / M.Sc. / MCA / M. Tech degree Certifications preferred: ISO 27001 LA / CISA / CISSP / CISM / CRISC / ISO 31000	8 years	5 years	Experience of managing information security governance projects for at least 3 large scale technology-led data centric projects. Experience in following is mandatory in a similar capacity: (a) Developing and maintaining policies, standards and practices of information security by establishing and maintaining efficient processes to monitor compliance of defined policies, standards and practices. (b) Driving key meetings for closing identified Information Security issues or gaps. (c) Performing risk assessments, security testing of Information systems and providing recommending security enhancements. (d) Administering and running organization wide IS training and awareness program. (e) Strong understanding of ISO 27001 as well as industry security frameworks.

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
14	Privacy Manager	B.E. / B. Tech / B.Sc. / M.Sc. / MCA / M. Tech degree Certification preferred: CIPP / BS 10012 / ISO 29100 / ISO 27701	8 years	5 years	<p>Experience of managing privacy related projects for at least 3 large scale technology-led data centric projects.</p> <p>Experience in following is mandatory in a similar capacity:</p> <p>(a) Managing privacy projects such as drafting privacy policies, creating privacy frameworks, etc.</p> <p>(b) Conducting assessments against established privacy requirements, privacy impact assessments, etc.</p> <p>(c) Leading privacy standards and regulations such as etc. ISO 27701, ISO 29100, GDPR, Draft Privacy Bill of Sri Lanka.</p>
Software Development					
1	DevSecOps	B.Sc./ B.E./ B. Tech, / MCA/ M. Tech With Relevant certifications	5 years	3years	<p>Experience in following projects is mandatory in a similar capacity.</p> <p>(a) Experience in agile methodologies and DevSecOps</p> <p>(b) Experience of micro services, container orchestration technologies</p> <p>(c) Hands on experience for the proposed DevSecOps</p>

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
					<p>technologies</p> <p>(d) Hands on experience on the CI/CD pipeline and automation of security controls</p> <p>(e) Knowledge of industry standards and best practices related to software development</p>
2	Business Analysts	B.Sc./ B.E./ B. Tech/ MCA/ M. Tech Relevant certifications	5 years	3 years (BA) and 5 years (senior BA)	<p>Experience in following projects is mandatory in a similar capacity.</p> <p>(a) Knowledge of relevant OTS/COTS components</p> <p>(b) Experience in agile methodologies</p> <p>(c) Hands on experience of user acceptance testing</p> <p>(d) Knowledge of industry standards and best practices related to software development.</p> <p>Hands on experience as product owner is preferable.</p> <p>Note: For business analysts responsible for enrolment and authentication, the relevant knowledge is desirable.</p>
3	Software	B.E./ B. Tech/	5 years	2 years	Experience in following projects is mandatory in a similar

No	Key Professional Staff	Academic & Professional	Minimum Overall Experience	Minimum Experience in the proposed role	Specific Qualifications/ Requirements
	Engineer	MCA/ M. Tech Certification in relevant tools and technologies, wherever available		(junior engineer) and 4 years (senior engineer)	capacity. (a) Experience in agile methodologies (b) Experience of micro services, container orchestration technologies (c) Hands on experience in development for the proposed technologies (d) Hands on experience of unit testing (e) Hands on experience of peer reviewing. (f) Knowledge of industry standards and best practices related to software development

The number of points to be assigned to each of the above positions or disciplines shall be determined considering the following three sub criteria and relevant percentage weights;

i	General qualifications	25 %
ii	Generals Experience	25 %
iii	Adequacy for the assignment	50 %
	Total weight	<u>100%</u>

SECTION IV – BIDDING FORMS

CONTENTS

SECTION IV – BIDDING FORMS.....	113
4. BID SUBMISSION FORMS - TECHNICAL BIDS.....	114
4.1 BIDDER’S RESPONSE FORMAT (BRF)	114
4.2 LETTER OF TECHNICAL BID.....	116
4.3. QUALIFICATION OF THE BIDDER.....	118
4.3.1. Bidder Information Sheet	118
4.3.2 Historical Contract Non Performance	119
4.3.3 Financial Capability	120
4.3.4 Average Annual Turnover	121
4.3.5 Financial Resources.....	122
4.3.6 Evidence of Access to or Availability of Credit Facilities	123
4.3.7 General Experience in Information Products and Services.....	124
4.3.8 Specific Experience of the Bidder in Contracts of a Similar Nature	125
4.3.9 Specific Experience Bidder/Subcontract in Key Nominated Activities	127
4.4 KEY PERSONNEL.....	129
4.4.1 Key Personnel Summary.....	129
4.4.2 Key Personnel Details.....	130
4.4.3 Staff Deployment Plan.....	133
4.5 LITIGATION HISTORY	134
4.6. BIDDER’S RESPONSE TO THE SCHEDULE OF REQUIREMENTS	135
4.6.1 INDICATIVE BILL OF MATERIAL (BOM).....	135
4.6.2 BIDDER’S RESPONSE TO THE SCHEDULE OF REQUIREMENTS	135
4.6.2.1 Compliance to the Schedule of Requirements.....	135
4.6.3 BIDDER’S OVERALL TECHNICAL SOLUTION	136
4.8 OTHER BID FORMS AND LISTS.....	140
4.8.1 List of Proposed Sub Contractors.....	140
4.8.2 Software List.....	142
4.8.3 List of Custom Documentation	143
4.9 BID SECURITY	144
4.10 MANUFACTURER’S AUTHORIZATION.....	145
4.11 OTHER REQUIRED INFORMATION.....	146
4.12 BID SUBMISSION FORMS – PRICE BID.....	147
4.12.1 Bidder Response Format (Price Bid)	147
4.12.2 Letter of Price Bid	148
4.13 BIDDER’S PRICE SCHEDULES	150
4.13.1 IT Products and Services Provided and Installed	150
4.13.2 Three years Warranty, Support and Maintenance Cost Table (Warranty Cost)	155
4.13.3 Two years Post Warranty, Support and Maintenance Cost Table (Post Warranty Cost)	159
4.13.4 IT Support Services Table.....	163
4.13.5 Change Request Table.....	164
4.13.6 Grand Summary	165

4. BID SUBMISSION FORMS - TECHNICAL BIDS

4.1 Bidder's Response Format (BRF)

Bidders must use Bidder's Response Form (BRF) structure outlined in Table 1 (4.1 - Bid Submission Form- Technical Bid) & Table 2 (4.12 - Bid submission Form – Price Bid) in their Bids. Bidders may expand (if necessary) and complete the following table. The purpose of the table is to provide the Bidder with a summary checklist of items that must be included in the Bid as described in ITB Clauses 13.1 and 16, in order for the Bid to be considered for Contract award. The table also provides a summary page reference scheme to ease and speed the Employer's Bid evaluation process.

Table 4.1: Bidder Response Format (BRF) – Technical Bid

Order in Bid*	Document Number and Information Required	Check Y/N	Page No.
1.	Bidder's Front Page (Bidder's name. Bid details)		
2.	Bidder Response Format – Technical Bid (as a table of contents/checklist)		
3.	Letter of Technical Bid (<i>Refer: 4.2</i>)		
4.	Qualification of the Bidder		
	(i) Bidder Information Sheet (<i>Refer: 4.3.1</i>)		
	(ii) Historical Contract Non-Performance (<i>Refer: 4.3.2</i>)		
	(iii) Financial Capability (<i>Refer: 4.3.3</i>)		
	(iv) Average Annual Turnover (<i>Refer: 4.3.4</i>)		
	(v) Financial Resources (<i>Refer: 4.3.5</i>)		
	(vi) Evidence of Access to or availability of credit facilities (<i>Refer: 4.3.6</i>)		
	(vii) General Experience in Information Products and Services (<i>Refer: 4.3.7</i>)		
	(viii) Specific Experience in Contracts of a Similar Nature (<i>Refer: 4.3.8</i>)		
	(ix) Specific Experience in Key Nominated Activities (<i>Refer: 4.3.9</i>)		
	(x) Key Personnel (<i>Refer: 4.4</i>)		

Order in Bid	Document Number and Information Required	Check Y/N	Page No.
	(xi) Key Personnel Details (Refer: 4.4.1)		
	(xii) Current Contract Commitments/Work in Progress (Refer: 4.4.)		
	(xiii) Staff deployment plan for support services (Refer: 4.4.3)		
	(xiv) Litigation History (Refer: 4.5)		
4	Bidder's Response to the Schedule of Requirements		
	4.1 Indicative Bill of Material (BoM) (<i>Vol 2-Chapter 7</i>)		
	4.2 Bidder's Response to Schedule of Requirements (Refer: 4.6.2)		
	4.3 Compliance to the schedule of requirements (Refer 4.6.2.1)		
	4.4 Overall Technical Compliance (Refer 4.6.3)		
5	Other Bid Forms and Lists		
	5.1 List of Proposed Sub Contractors		
	5.2 Software List		
	5.3 List of Custom Materials		
	5.4 Other Required Information		
6	Guarantees and Declarations		
	6.1 Bid Security (Bank Guarantee)		
	6.2 Manufacturer's Authorization		
7	Other documents		

Bidders are required to read and fully understand all the sections and contents of the Bidding Document and it is mandatory to submit above listed documents. Further, any other documentation that is requested for in the Bidding Document, whether or not it is listed in the table above, are required to be submitted with the Bid. It is the responsibility of the Bidders to ensure that the proposals/Bids submitted by them fully address the requirements stated in all the sections of the Bidding Document.

4.2 Letter of Technical Bid

Date: [Bidder: *date of Bid*]

IFB: [Employer: *IFB title and number*]

Contract:[Employer: *name of Contract*]

To: Chairman, Information and Communication Technology Agency of Sri Lanka

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Document, including Addenda issued in accordance with Instructions to Bidders (ITB) 11.

We offer to design, develop, supply, delivery, installation and implementing of required Software, Hardware, and infrastructure for Sri Lanka Unique Digital Identity (SL-UDI) Project of the Government of Sri Lanka.

- (b) Our bid is in conformity with the Bidding Document.
- (c) Our Bid consisting of the Technical Bid and the Price Bid shall be valid for a period of 147 days from the date fixed for the Bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
- (d) We undertake, if our Bid is accepted, to commence work on the IT Products and Services and to achieve Installation and Operational Acceptance within the respective times stated in the Bidding Documents.
- (e) We hereby certify that all the Software offered in this Bid and to be supplied under the Contract (i) either is owned by us, or (ii) if not owned by us, is covered by a valid license from the proprietor of the Software.
- (f) We, including any Sub Contractors or manufacturers for any part of the Contract have or will have nationalities from eligible countries, in accordance with ITB-4.2.
- (g) We, *including any Sub Contractors or manufacturers for any part of the Contract*, do not have any conflict of interest in accordance with ITB-4.3 and 4.4.
- (h) We are not participating, as a Bidder or as a Sub Contractor, in more than one Bid in this Bidding process in accordance with ITB-4.3.
- (i) We, including any of our Sub Contractors or manufacturers for any part of the Contract, have not been declared ineligible by the GoSL/GoI, under the Employer 's country laws or official regulations or by an act of compliance with a decision of the United Nations Security Council.

- (j) If our bid is accepted, we (in our capacity as contractor) hereby agree that no assignment of this agreement shall be made whatsoever. Nothing under this provision shall be deemed to be giving us the right to transfer any of our legal obligation (as contractor) to perform under this agreement to any third party. We shall not subcontract the provision of the services or any obligation of the contractor constituting total work under this agreement without obtaining prior approval from the employer.
- (k) If our bid is accepted, we (in our capacity as contractor) will settle claims/disputes, if any made by the subcontractors through the due process as per the works contract signed between the contractor and subcontractor(s). The employer will neither be a party to such disputes nor be liable for any damages/ claims arising from such disputes. The employer will also be not be liable for any other amounts considers payable to the subcontractor(s) by us (in our capacity as contractor) arising out of the subcontractor's claim.

Name _____ In the capacity of _____ (Title or position)

Signed _____

Duly authorized to sign the Bid for and on behalf of _____ (Name of the Bidder)

Dated on _____ day of _____, _____

4.3. Qualification of the Bidder

4.3.1. Bidder Information Sheet

All Bidders whether they be individual firms, each partner of a Joint Venture, and a named, Sub-Contractor(s) for highly specialized components of the Products and/or Services, which are Bidding, must complete the information in this form. All Bidders that complete this sheet should also complete the further Qualification Forms provided in this section.

Date: _____

Invitation for Bid No.: _____

Please note that a written authorization needs to be attached to this sheet as required by ITB 24.2.

<input type="checkbox"/> Bidder's Information		
Bidder's legal name		
In case of JV, legal name of each partner	Lead Partner	
	Other Partner (s)	
Bidder's actual or intended country of registration	Lead Partner	
	Other Partner (s)	
Bidder's year of registration	Lead Partner	
	Other Partner (s)	
Bidder's legal address in country of registration	Lead Partner	
	Other Partner (s)	
Bidder's ISO software developer certification		
Bidder's certification level of CMMI		
Bidder's authorized representative (Name, address, telephone numbers, fax numbers, e-mail address)		
<p>Attached are copies of the following original documents.</p> <p>(a) In case of single entity, articles of incorporation or constitution of the legal entity named above, in accordance with ITB 4.1 and 4.2.</p> <p>(b) Authorization to represent the firm or JV named in above, in accordance with ITB 24.2.</p> <p>(c) In case of JV, letter of intent to form JV or JV agreement, in accordance with ITB 4.1.</p> <p>(d) In case of a government-owned entity, any additional documents not covered under (a) above required to comply with ITB 4.5.</p> <p>(e) Copy of PAN & GST Registration Certificate</p> <p>(f) ISO software developer certification</p> <p>(g) Certificate of CMMI Level</p>		

4.3.2 Historical Contract Non-Performance

To be completed by the Bidder and, if *JVCA*, by each partner as appropriate to demonstrate that they meet the requirements stated in the BDS.

Bidder’s Legal Name: _____ Date: _____

JVCA Partner Legal Name: _____

IFB No.: _____ Page _____ of _____ pages

Non-Performing Contracts in accordance with Section III, Evaluation & Qualification Criteria			
<p>Contract non-performance did not occur during the stipulated period, in accordance with 4.3.2 of Section III, Evaluation & Qualification Criteria</p> <input type="checkbox"/>			
<p>Contract non-performance did occur during the stipulated period, in accordance with 4.3.2 of Section III, Evaluation & Qualification Criteria, as indicated below:</p> <input type="checkbox"/>			
Year	Outcome as Percentage of Total Assets	Contract Identification	Total Contract Amount (INR equivalent)
		Contract Identification: Name of Employer: Address of Employer: Matter in dispute:	
		Contract Identification: Name of Employer: Address of Employer: Matter in dispute:	
		Contract Identification: Name of Employer: Address of Employer: Matter in dispute:	

4.3.3 Financial Capability

To be completed by the Bidder and, if *JVCA*, by each partner as appropriate to demonstrate that they meet the requirements stated in the 3.2.3.1 Financial Capability SECTION III – EVALUATION AND QUALIFICATION CRITERIA.

Bidder's Legal Name: _____ Date: _____

JVCA Partner Legal Name: _____ IFB No.: _____

Financial Data for Previous 3 Years [INR Equivalent]			
	Year 1:	Year 2:	Year 3:
Information from Balance Sheet			
Total Assets			
Total Liabilities			
Net Worth			
Current Assets			
Current Liabilities			
Information from Income Statement			
Total Revenues			
Profits Before Taxes			
Profits After Taxes			
<input type="checkbox"/> Attached are copies of financial statements (balance sheets including all related notes, and income statements) for the last three years, as indicated above, complying with the following conditions. <ul style="list-style-type: none"> • All such documents reflect the financial situation of the Bidder or partner to a JV, and not sister or parent companies. • Historic financial statements must be audited by a certified accountant. • Historic financial statements must be complete, including all notes to the financial statements. • Historic financial statements must correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted). 			
Name of banker:			
Address of banker:			
Tel:		Contact name and title:	
Fax:		Email:	

4.3.4 Average Annual Turnover

To be completed by the Bidder and, if *JVCA*, by each partner as appropriate to demonstrate that they meet the requirements stated in the BDS.

Bidder's Legal Name: _____ Date: _____

JVCA Partner Legal Name: _____ *IFB* No.: _____

Annual Turnover Data (IT Products and Services only)	
Year	INR
2018/19	
2019/20	
2020/21	
AVERAGE ANNUAL TURNOVER*	

*Average annual turnover calculated as total certified payments received for work in progress or completed, divided by the number of years specified in 3.2.3.2 Average Annual Turnover Section III, Evaluation & Qualification Criteria.

4.3.5 Financial Resources

To be completed by the Bidder and, if *JVCA*, by each partner as appropriate to demonstrate that they meet the requirements stated in the BDS.

Specify proposed sources of financing, such as liquid assets, unencumbered real assets, lines of credit, and other financial means, net of current commitments, available to meet the total cash flow demands of the subject Contract or Contracts as indicated in Section III, Evaluation and Qualification Criteria

Financial Resources		
	Source of financing	Amount in INR
1		
2		
3		
4		
Total		

4.3.6 Evidence of Access to or Availability of Credit Facilities

To be completed by the Bidder and, if *JVCA*, by each partner as appropriate to demonstrate that they meet the requirements stated in the BDS.

Evidence of Access to or availability of credit facilities

Date:

BANK CERTIFICATE

This is to certify that M/s. is a reputed company with a good financial standing.

If the contract for the work, namely

.....is awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of

Rs.to meet their working capital requirements for executing to the above contract during the contract period.

.....

(Signature)

Name of Bank

Senior Bank Manager

Address of the Bank

4.3.7 General Experience in Information Products and Services

All individual firms and all partners of a Joint Venture and Sub Contractor(s) must complete the information in this form with regard to the management of Information Products and Services Contracts generally.

General Experience				
Starting and Ending Month/Year	Years	Contract Identification	Role of Bidder	Client certificates submitted Yes/No & Reference page
		Contract name: Brief Description of the Products/Services supplied by the Bidder: Name of Employer: Address: Email: Telephone:		
		Contract name: Brief Description of the Products/Services supplied by the Bidder: Name of Employer: Address: Email: Telephone:		
		Contract name: Brief Description of the Products/Services supplied by the Bidder: Name of Employer: Address: Email: Telephone:		
		Contract name: Brief Description of the Products/Services supplied by the Bidder: Name of Employer: Address: Email: Telephone:		

4.3.8 Specific Experience of the Bidder in Contracts of a Similar Nature

To be completed by the Bidder and, if *JVCA*, by each partner as appropriate to demonstrate that they meet the requirements stated in the Section III: Clause 3.2 -3.2.4.2. Use a separate sheet for each Contract.

Contract of Similar Size and Nature		
Contract No of	Contract Identification:	
Award Date:	Completion Date: Go-Live Date:	
Role in Contract	<input type="checkbox"/> Contractor <input type="checkbox"/> Management Contractor <input type="checkbox"/> Joint Venture Partner <input type="checkbox"/> Sub-Contractor	
Total Contract Amount	INR	
If partner in a JV or Sub Contractor, specify participation of total Contract amount	Percent of Total:	Amount:
Performance	Contract was completed ____ months ahead/behind original schedule (if behind, provide explanation).	Contract was completed INR _____ equivalent under/over original Contract amount (if over, provide explanation).
Sub-Contracting	Approximate percent of total Contract value undertaken by Subcontract: ____ % Nature of the Subcontracted Information Products and Services:	
Employer's Name Address Telephone/Fax Number E-mail		
Description of the similarity in accordance with Criteria 3.2.4.2 of Section III		
Nature of Information Products and Services involved and special features relevant to the Contract for which these Bidding Documents are issued	Special Contractual/technical expertise provided.	

Project Size	Population:
Scope of the project	(h) 1. Registration: Yes: No:..... (i) 2. Authentication: Yes: No:..... (j) 3. Post Registration: Yes: No:.....
(vi) Other (Value Additions)	Expert Judgment on value additions Such as, [1] New biometric types includes: Yes: No:..... If yes Specify: [2] Introduction of a new technology such as AI, Machine Learning : Yes: No:..... If yes Specify: [3] Cyber Security Platform: Yes: No:..... [4] Secure Tokens: Yes: No:..... [5] Block Chain Technology: Yes: No:.....
Name of the Framework used for the Implementation	Specify
If Implemented using MOSIP then fill the following	
MOSIP component	Implementation using MOSIP Framework (Role Should be software customization of MOSIP to meet the business requirements.): Yes: No:..... Scale of MOSIP Implementation: Country Province: State: Pilot: Pilot will not be considered. Number of Registration:

4.3.9 Specific Experience Bidder/Subcontract in Key Nominated Activities

To be completed by the Bidder and, if *JVCA*, by each partner as appropriate to demonstrate that they meet the requirements stated in the Section III: Clause 3.2 -3.2.4.3. .

Contract of Similar Size and Nature		
Contract No of	Contract Identification:	
Award Date:	Completion Date:	Go-Live Date:
Role in Contract	<input type="checkbox"/> Contractor <input type="checkbox"/> Management Contractor <input type="checkbox"/> Joint Venture Partner <input type="checkbox"/> Sub-Contractor	
Total Contract Amount	INR	
If partner in a JV or Sub Contractor, specify participation of total Contract amount	Percent of Total:	Amount:
Performance	Contract was completed ____ months ahead/behind original schedule (if behind, provide explanation).	Contract was completed INR _____ equivalent under/over original Contract amount (if over, provide explanation).
Sub-Contracting	Approximate percent of total Contract value undertaken by Subcontract: ____ % Nature of the Subcontracted Information Products and Services:	
Employer's Name Address Telephone/Fax Number E-mail		
Description of the similarity in accordance with Criteria 3.2.4.3 of Section III		
Nature of Information Products and Services involved and special features relevant to the Contract for which these Bidding Documents are issued	Special Contractual/technical expertise provided.	

1. Biometric Devices:	<p>Number of Enrolment Devices:</p> <p>Fingerprint:..... Facial:....., Iris:.....</p> <p>Number of Authentication Devices:</p>
ii. Automated Biometric Identification System Solution	<p>Number of ABIS records:</p>
III. SYSTEM INFRASTRUCTURE -	<p>1. Experience of having executed system integration or managed services as a major component of the scope of work related to below features:</p> <p>(i) Implementation of private cloud infrastructure: Yes: No:.....</p> <p>(ii) Implementation of software defined data centre: Yes: No:.....</p> <p>(iii) Implementation of automation in data centre and infrastructure Yes: No:.....management</p> <p>(iv) Large storage migrations Yes: No:.....</p> <p>(v) Network virtualization Yes: No:.....</p> <p>(vi) Server Virtualization Yes: No:.....</p> <p>(vii) Storage virtualization Yes: No:.....</p> <p>(viii) Data centre Migration/consolidation Yes: No:.....</p> <p>(xi) Management of security Operations centre Yes: No:.....</p> <p>(x) Management of Network operations centre Yes: No:.....</p> <p>If any Specify:</p>

4.4 Key Personnel

For specific positions essential to Contract management and implementation (and/or those specified 3.2.5 of Section III- Evaluation and Qualification Criteria in the Bidding Documents), Bidders should provide the names of at least two candidates qualified to meet the specified requirements stated for each position. The data on their experience should be supplied on separate sheets using one form for each candidate.

Bidders may propose alternative management and implementation arrangements requiring different key personnel, whose experience records should be provided.

4.4.1 Key Personnel Summary

1.	Title of position:
	Name of Lead candidate:
	Name of alternate candidate:
2.	Title of position:
	Name of Lead candidate:
	Name of alternate candidate:
3.	Title of position:
	Name of Lead candidate:
	Name of alternate candidate:
4.	Title of position:
	Name of Lead candidate:
	Name of alternate candidate:

4.4.2 Key Personnel Details

Position		Candidate <input type="checkbox"/> Lead <input type="checkbox"/> Alternate
Personnel information	Name	Date of birth
	General qualifications	
Education and Professional Qualifications	Degrees:	
	Specific Certifications:	
Present employment	Name of employer	
	Address of employer	
	Telephone	Contact (manager / personnel officer)
	Fax	E-mail
	Job title of candidate	Years with present employer

Summarize professional experience as specified section 3.2.5.2, in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.

From	To	Company / Project / Position / Relevant technical and management experience

Summarize **Experience specific to the assignment** over the last ten (10) years, in reverse chronological order. Indicate particular technical and managerial experience relevant to the project.

From	To	Company / Project / Position / Relevant technical and management experience

3.2.6 Current Contract Commitments/Work in Progress

Bidders and each partner to a Joint Venture Bid and Sub Contractor(s) should provide information on their current commitments on all Contracts that have been awarded, or for which a letter of intent or acceptance has been received, or for Contracts approaching completion, but for which an unqualified, full completion certificate has yet to be issued.

Current Contract Commitments					
No.	Name of Contract	Employer, Contact Address, Tel, Fax	Value of Outstanding Information Products and Services [INR Equivalent]	Estimated Completion Date	Average Monthly Invoicing Over Last Six Months [INR/month]
1					
2					
3					
4					
5					

4.4.3 Staff Deployment Plan

The following format should be used to detail the staff to be deployed by the Bidders for providing the support services during warranty and post warranty period. The number of staff shown in this table and the cost of per resource category/designation as shown in Form 4.4.1 should match with the total support services cost included in Price Schedule 4.13.4.

#	Designation	Implementation	Warranty Period			Post warranty and maintenance phase	
		No. of Staff in first 18 Months	No. of Staff in Year 1	No. of Staff in Year 2	No. of Staff in Year 3	No. of Staff in Year 1	No. of Staff in Year 2
<i>Staff deployment plan for operations, warranty and maintenance phase, during post warranty period the support and maintenance arrangements would be similar to the warranty period.</i>							
<i>Staff deployment plan for Helpdesk operations and maintenance</i>							

4.5 Litigation History

Bidders, including each of the partners of a Joint Venture, shall provide information on any history of litigation or arbitration resulting from Contracts executed in the last five years or currently under execution. A separate sheet should be used for each partner of a Joint Venture.

Pending Litigation			
<input type="checkbox"/> No previous or pending litigation in accordance with Criteria 4.5 of Section III (Evaluation and Qualification Criteria)			
<input type="checkbox"/> Previous or pending litigation in accordance with Criteria 4.5 of Section III (Evaluation and Qualification Criteria) are given below;			
Year	Award FOR or AGAINST Bidder	Name of client, cause of litigation, and matter in dispute	Disputed amount (INR equivalent)

4.6. Bidder's Response to the Schedule of Requirements

The bidder shall provide adequate information to demonstrate that clearly that it has the technical capabilities to meet the requirements indicated in the SOR. The bidder should summarize important certifications, property methodologies, and /or specialized technologies that the bidder proposes to utilize in the executions of the Contract not limited to the following,

4.6.1 Indicative Bill of Material (BoM)

Refer Bidding Document - Section VI Schedule of requirements (Volume 2) Bill of Material and Price Schedule The bidder must propose an indicative Bill of Material as per the below format.

Serial Number	Product and /or Service Item Description	Country of Origin	Unit	Qty	Remarks
Category: Software / Infrastructure etc..					
1.	Specify	Specify	Specify	Specify	
2.	Specify	Specify	Specify	Specify	
3.	Specify	Specify	Specify	Specify	
4.	Specify	Specify	Specify	Specify	
5.	Specify	Specify	Specify	Specify	

4.6.2 Bidder's Response to the Schedule of Requirements

** Refer to Section VI Schedule of requirements (Volume 2)*

4.6.2.1 Compliance to the Schedule of Requirements

S.No	Schedule of Requirement	Description	Compliance (Y/N]	Remarks
1	Volume 2 - Schedule of Requirements	Scope of Work		
2	Annex 1- High Level Process Flow	DRP Process Flow		
3	Annex 2 - Non-Functional Requirements	System Non-Functional Requirements		

4	Annex 3 - Min Tech Specification	Technical Specifications		
5	Annex 4 - Software Engineering	Software Engineering Practices		
6	Annex 5 - Demand Capacity	Demand Capacity for Enrollment		
7	Annex 6 - Transition and Exit Management	Transition and Exit Management		
8	Annex 7 - Project Management and Governance	Project Management Procedures		
9	Annex 8 - Biometric Device Certification	Device Certification Process		
10	Annex 9- Service Level	Description of Service levels		
11	Annex 10 - Manpower Requirement	Manpower for the Project		
12	Annex 11: Overview of Technology	Technology Functional Specifications		
13	Annex 12: Project sites / sites	Project Enrollment Sites and Other Sites		

4.6.3 Bidder's Overall Technical Solution

The Bidder shall provide adequate information to demonstrate clearly that it has the technical capability to meet the requirements for the provision of these Products and Services. With this form, the Bidder should summarize important certifications, proprietary methodologies, and/or specialized technologies which the Bidder proposes to utilize in the execution of the Contract or Contracts.

4.6.3.1 Overall solution (other than biometric components)

The Bidder shall provide adequate information to demonstrate clearly on the Infrastructure solution, Software Solution and Information Security proposed in the solution covering all points mentioned in the description column but not limited to.

Criteria (Refer: Table 3.2)	Description
B1.a. Infrastructure Solution	<p>High-level Architecture/Deployment Architecture/Technical, Technology Elaborations: Architecture.</p> <p>[1] Network Design/Architecture and Technical/Technology Elaboration</p> <p>[2] Server and Storage Design/Architecture and Technical/Technology Elaboration</p> <p>[3] Virtualization(Software Defined Design/Architecture and Technical/Technology Elaboration</p> <p>[4] DC/DR /SOC/NOC/Enrollment centers Design/Architecture (Connectivity and network) and Technical/Technology Elaboration</p> <p>[5] Container platform and Container Orchestration Design/Architecture and Technical/Technology Elaboration</p> <p>[6] Backup and Replication Design/Architecture and Technical/Technology Elaboration</p> <p>[7] Monitoring/Alerts and Observability Design/Architecture and Technical/Technology Elaboration</p> <p>Each Architecture/Technology listed above should contain below design principals , not limited to in or obtain full marks</p> <ol style="list-style-type: none"> 1.) High Availability, Redundancy, Fault-tolerance 2.) Automation, Performance 3.) Scalability, Modularity, 4.) Reliability, Self-healing, Robustness, Self Service 5.) RTO/RPO achievement 6.) Monitoring, Observability, telemetry 7.) Archived, Audit, retention
B1.b Software Solution	<p>High-level Architecture/Deployment Architecture/Technical, Technology Elaborations:</p> <ol style="list-style-type: none"> 1} High Level Solution Architecture 2) Deployment Architecture 3) Data Architecture 4) Integration Architecture 5) Technology Architecture (Technology Stack for each layer) <p>Each Architecture/Technology listed above should contain below design principals , not limited to in or obtain full marks</p> <p>[1] Alignment with project goals and requirements:</p>

	<p>[2] Modularity [3] Scalability: [4] Reusability [5] Performance: [6] Maintainability: [7] Security and Privacy [8] Interoperability:</p>
<p>B1.c Information Security</p>	<p>High-level Architecture/Deployment Architecture/Technical, Technology Elaborations: [1] Server and Storage Services Security design (0.7%) Architecture and technical/Technology elaborations [2] Network Services Security design Architecture and technical/Technology elaborations [3] ABIS and Biometric Services Security design Architecture and technical/Technology elaborations [4] Backup and Replication Services Security design Architecture and technical/Technology elaborations [5] Virtual Environment Services Security design Architecture and technical/Technology elaborations [6] Container and OS environment services Security design Architecture and technical/Technology elaborations [7] DC/DR/SOC/NOC/IT Help Desk and Enrollment Centers Security design Architecture and technical/Technology elaborations [8] Secure Key management , encryption Security design Architecture and technical/Technology elaborations [9] Applications and Data Services Security design Architecture and technical/Technology elaborations [10] CA Security design Architecture and technical/Technology elaborations Each Architecture/Technology listed above should contain below design principals , not limited to in or obtain full marks 1.) Minimal Attack Surface 2.) Zero trust 3.) Defense in depth 4.) Logical/physical separations 4.) Separation of privilege, Secure access control 5.) Detect/Response/Remediation, Automation 6.) Confidentiality, integrity, availability 7.) base security standard and hardening</p>
<p>B1.d Compliance to functional and technical requirements specified in the SOR</p>	<p>NOTE: Bidder must fill the all the compliance sheets specified in Annex 3 and MUST submit along with the TECHNICAL BID.</p>

B2. BIOMETRIC SOLUTION	
B2.a Solution Scalability	Proposed Solution should be in line with the following Guiding principles. 1) Capacity: 2) Scalability 3) Reliability: 4) Flexibility:
B2.b Solution Performance	Proposed Solution should be in line with the following Guiding principles. 1) Throughput 2) Latency: 3) Accuracy 4) Availability:
B2.c Interoperability with systems	Proposed Solution should be in line with the following Guiding principles. 1) Data Interoperability: 2) Technical Interoperability 3) Operational Interoperability: 4) Performance Interoperability:
B2.d Compliance to functional and technical requirements specified in the SOR	NOTE: Bidder must fill the all the compliance sheets specified in Annex 3 and MUST submit along with the TECHNICAL BID.

4.6.3.2 Overall Approach and Methodology & Work Plan

The Bidder shall provide adequate information to demonstrate clearly on the approach and methodology proposed in the solution covering all points mentioned in the description column but not limited to.

Criteria (Refer: Table 3.2)	Description
C1. APPROACH	(i) Alignment with project goals and requirements: (ii) PM Approach, Stakeholder Management, and Risk Management: (iii) Delivery, Implementation and Deployment Approach (Infrastructure/Security/Software). (iv) Quality Assurance, Benchmark and Test Approach (v) Training Approach KT and Transition Approach (vi) NOC / SOC/IT Help Desk setup and Incident and Operational Management Approach (vii) SLA Assurance, Operational Management and Governance Approach (viii) Feasibility and Flexibility
C2. METHODOLOGY	(i) Alignment with project goals and requirements: (ii) NOC / SOC/IT Help Desk Incident and Operational Management Methodology (iii) Upgrade/Update, performance tuning and Warranty ,Maintenance, Continuous Improvement: methodology (iv) Information Security, Secure Access Control and security operational (v) RTO/RPO Achievement and BCP / DR Drill Methodology, Backup and replication Management (vi) Risk Assessment and Management Method (vii) Log management, Vulnerability Management (viii) Process Improvement and Adaptability (ix) Effectiveness and Efficiency: (x) Collaboration and Communication
C3. WORK PLAN	(i) Deliverable and milestone Achievements (ii) Detail Project Plan (iii) Resource Allocation and Deployment plan

4.8 Other Bid Forms and Lists

4.8.1 List of Proposed Sub Contractors

No.	Item	Proposed Sub Contractor	Place of Registration & Qualifications

The Bidder shall include in its Bid information establishing compliance with the requirements specified by the Employer for items listed in 3.2.4.3 in Section III (Evaluation & Qualification Criteria).

4.8.2 Software List

Software Item	A (select one per item)		B (select one per item)	
	System Software	Application Software	Standard Software	Custom Software

4.8.3 List of Custom Documentation

Custom Documentation to comply with SOR –Volume 2

4.9 Bid Security

Bid Security (Bank Guarantee)

_____ [Bank's Name, and Address of Issuing Branch or Office]

Beneficiary: Information and Communication Technology Agency of Sri Lanka

Date: _____

BID GUARANTEE No.: _____

We have been informed that _____ [name of the Bidder] (hereinafter called "the Bidder") has submitted to you its Bid dated _____ (hereinafter called "the Bid") for the execution of _____ [name of Contract] under Invitation for Bids No. _____ ("the IFB").

Furthermore, we understand that, according to your conditions, Bids must be supported by a Bid guarantee.

At the request of the Bidder, we _____ [name of Bank] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of _____ [amount in figures] (_____) [amount in words] upon receipt by us of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the Bid conditions, because the Bidder:

- (a) has withdrawn its Bid during the period of Bid validity specified by the Bidder in the Form of Bid; or
- (b) having been notified of the acceptance of its Bid by the *Employer* during the period of Bid validity, (i) fails or refuses to execute the Contract Form, if required, or (ii) fails or refuses to furnish the performance security, in accordance with the ITB.

This guarantee will expire: (a) if the Bidder is the successful Bidder, upon our receipt of copies of the Contract signed by the Bidder and the performance security issued to you upon the instruction of the Bidder; and (b) if the Bidder is not the successful Bidder, upon the earlier of (i) our receipt of a copy your notification to the Bidder of the name of the successful Bidder; or (ii) twenty-eight days after the expiration of the Bidder's Bid.

Consequently, any demand for payment under this guarantee must be received by us at the office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458.

[Signatures]

Note: All italicized text is for use in preparing this form and shall be deleted from the final product.

4.10 Manufacturer's Authorization

Invitation for Bids Title and No.:

[If applicable:] Product and /or Service No(s):

To: Chairman, Information and Communication Technology Agency of Sri Lanka

WHEREAS _____ who are official producers of _____ and having production facilities at _____ do hereby authorize _____ located at _____ (hereinafter, the "Bidder") to submit a Bid and subsequently negotiate and sign a Contract with you for resale of the following Products and/or Services produced by us:

Manufacturer's Authorizations for Information Technologies – except for those technologies which the Bidder itself manufactures – are required for the following types/categories: *[specify, for example: "none" / "all" / "all active (i.e. powered) equipment and all software"]*.

We hereby confirm that, in case the Bidding results in a Contract between you and the Bidder, the above-listed products will come with our full standard warranty/license as specified below.

[Specify each product with standard warranty/license period and the duration of the dealership with the Bidder].

Name _____ In the capacity of _____

Signed _____

Duly authorized to sign the authorization for and on behalf of: _____

Dated on _____ day of _____, _____.

Note: This authorization should be written on the letterhead of the Manufacturer and be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. Only the duly signed original document(s) will be accepted.

4.11 Other Required Information

None

4.12 BID SUBMISSION FORMS – PRICE BID

4.12.1 Bidder Response Format (Price Bid)

Order in Bid	Document Number and Information Required	Check Y/N	Page No.
1.	Bidder's Front Page (Bidder's name. Bid details)		
2.	Bidder Response Format – Price Bid (as a table of contents/checklist) (<i>Refer: 4.12.1</i>)		
3.	Bid Submission Forms		
	(i) Letter of Price Bid (<i>Refer:4.12.2</i>)		
	(ii) Bidder's Price Schedules (<i>Refer:4.13</i>)		
	(iii) Products and Services Provided and Installed (Implementation Cost) (<i>Refer:4.13.1</i>)		
	(iv) Warranty Cost (<i>Refer:4.13.2</i>)		
	(v) Post Warranty Cost (<i>Refer:4.13.3</i>)		
	(Vi) IT Support Services (<i>Refer:4.13.4</i>)		
	(vi) Change Request Table (<i>Refer:4.13.5</i>)		
	(vii) Grand Summary (<i>Refer:4.13.6</i>)		

4.12.2 Letter of Price Bid

Date: *[Bidder: date of Bid]*

IFB: *[Employer: IFB title and number]*

Contract: *[Employer: name of Contract]*

To: Chairman, Information and Communication Technology Agency of Sri Lanka

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Document, including Addenda issued in accordance with Instructions to Bidders (ITB) 11.

We offer to designing, developing, supplying, delivering installation, and implementing of required Software, Hardware and infrastructure for the for Sri Lanka Unique Digital Identity (SL-UDI) Project of the Government of Sri Lanka.

- (b) Bid price is in conformity with the Bidding Document.
- (c) The price of our Bid, excluding any discounts offered in item (d) below is the sum of: *[INR amount in words]*, *[INR amount in figures]*,
- (d) The discounts offered and the methodology for their application are:
- (e) Our Bid shall be valid for a period of One Hundred and Forty-Seven [147] days from the date fixed for the Bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (f) If our Bid is accepted, we commit to submit a performance security in the form of a Bank Guarantee in accordance with the Bidding Document.
- (g) We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding Contract between us, until a formal Contract is prepared and executed; and

(h) We understand that you are not bound to accept the lowest evaluated substantially responsive Bid or any other Bid that you may receive.

Name _____ In the capacity of _____ (Title or Position)

Signed _____

Duly authorized to sign the Bid for and on behalf of _____ (Name of the Bidder)

Dated on _____ day of _____, _____

4.13 Bidder's Price Schedules

4.13.1 IT Products and Services Provided and Installed

IT Products and /or Services provided and Installed Table (Implementation Cost)

Serial Number	Product and /or Service Item Description	Country of Origin	Qty	Unit Prices / Rates in INR		Total Price in INR	
				CIF	Other Costs All related costs to Deliver and Implementation to the final Destination.	CIF	Other Costs All related costs to Deliver and Implementation to the final Destination
Software							
1.	Modular Open Source Identity Platform (MOSIP)		Item				
2.	Integration Middleware		Item				
3.	Biometric SDK		Item				
4.	Automated Biometric Identification System		Item				
5.	Portal Solution		Item				
6.	Customer Relationship Management		Item				
7.	BI & Reporting Solution		Item				
8.	Document Management System		Item				
9.	Fraud Management System		Item				
10.	Service Billing System		Item				
11.	Knowledge Management System		Item				
12.	Learning Management System		Item				
13.	TSP and UA Software		Item				
14.	Enterprise Service Bus		Item				
15.	API Gateway		Item				
16.	Business Rules Engine		Item				
17.	Business Process Management Suite		Item				
18.	Web Server		Item				
19.	Distributed Caching		Item				
20.	Program / Project Management Tool		Item				
21.	Version management		Item				
22.	Operating System		Item				
23.	Database Solution		Item				
24.	Performance Testing Tool		Item				
25.	Messaging Platform - Publish/Subscribe Queues		Item				
26.	IT Service Management Tools		Item				
27.	Enterprise Management System		Item				
28.	Data Centre Hosting Space (Primary Site)		Item				
29.	Data Centre Hosting Space (Secondary Site)		Item				
30.	Data Centre Power (Primary Site)		Item				
31.	Data Centre Power (Secondary Site-DR)		Item				
32.	Blade Servers (Biometric Solution)		Item				
33.	Blade Chassis (Biometric Solution)		Item				
34.	Rack Server (Biometric Solution)		Item				
35.	Server Rack (Biometric Solution)		Item				
36.	SAN (Biometric Solution)		Item				
37.	SAN Switch (Biometric Solution)		Item				

38.	Tape Library and Tapes (Biometric Solution)		Item				
39.	Blade Servers (Other than Biometric Solution)		Item				
40.	Blade Chassis (Other than Biometric Solution)		Item				
41.	Rack Server (Other than Biometric Solution)		Item				
42.	Server Rack (Other than Biometric Solution)		Item				
43.	SAN (Other than Biometric Solution)		Item				
44.	SAN Switch (Other than Biometric Solution)		Item				
45.	Tape Library (Other than Biometric Solution)		Item				
46.	Virtual Tape Library (Other than Biometric Solution)		Item				
47.	Internet Router (For entire infrastructure)		Item				
48.	MPLS Router (For entire infrastructure)		Item				
49.	Global Load Balancer (For entire infrastructure)		Item				
50.	Application Load Controller - Server / Application Load Balancer (For entire infrastructure)		Item				
51.	Core Switches (For entire infrastructure)		Item				
52.	Data Centre Access Switches (For entire infrastructure)		Item				
53.	Enterprise Management System		Item				
54.	Replication and Backup Solution (Note: MSI and BSP may bring same solution or their separate solutions)		Item				
55.	Network Access Controller		Item				
56.	Virtualization Solution		Item				
57.	Enterprise Container Application Platform		Item				
58.	Enterprise Monitoring System		Item				
59.	Virtual Desktop Infrastructure Solution		Item				
60.	Video wall with controllers, speakers, and other accessories		1				
61.	LED TV- (4 X 4 configuration)		8				
62.	Laptop (for manager and L1 analysts)		8				
63.	Desktops / Monitors (13 resources X 2 monitors each)		26				
64.	Keyboards and Mouse		13				
65.	IP Phone		13				
66.	IP PABX		1				
67.	Printer (Network)		1				
68.	UPS – 20KVA		2				
69.	Enrolment Fingerprint Scanner (4-4-2)		1625				
70.	Enrolment Iris Scanner (Dual)		1625				
71.	Signature Pad		1625				
72.	Auth- Fingerprint scanners		250				
73.	Auth - Facial Scanner		250				
74.	Auth - Iris Capture Device		250				
Mobile Registration KITS							
75.	Enrolment Kit Container for mobile registration kits		40				

76.	Laptop for mobile registration kits		40				
77.	QR Reader (Scan PRN included QR)		40				
78.	Document Scanner		40				
79.	Printer		40				
80.	Enrolment - Fingerprint Scanner (4-4-2)		40				
81.	Enrolment - Iris Scanner (Dual)		40				
82.	DSLR Camera		40				
83.	Signature Pad		40				
84.	UPS		40				
85.	USB Hub		40				
86.	Internet Dongle		40				
87.	USB Storage Device for mobile registration kits		40				
88.	Flashlight		40				
89.	Background Screen		40				
90.	Data Centre – Interconnection Network		Item				
91.	Data Centers (DC & DR) – Internet Links		Item				
92.	Internet Connectivity for mobile registration centers		Item				
93.	Data centers (DC & DR) – NOC / SOC/ Technical Helpdesk		Item				
Security							
94.	DLP Solution		Item				
95.	Network Vulnerability Scanner		Item				
96.	Anti-Advanced Persistent Threat (APT)		Item				
97.	Privilege Access Management		Item				
Security Component (Software)							
98.	Two Factor Authentication		Item				
99.	Web Gateway with content Filtering & Proxy Solution		Item				
100.	Web Vulnerability Scanner		Item				
101.	Code Review Tool		Item				
102.	Anti-Virus Solution		Item				
103.	Identity and Access Management		Item				
104.	Hardware Security Module		Item				
105.	Security Information and Event Monitoring (SIEM) Solution		Item				
106.	Anti-DDoS solution		Item				
Security Component (Hardware)							

107.	Patch Management Solution		Item				
108.	Email Gateway (Security Solution)		Item				
109.	Database Activity Monitoring		Item				
110.	SSL VPN		Item				
111.	External Firewall		Item				
112.	Internal Firewall		Item				
113.	Web Application Firewall		Item				
114.	Host Intrusion Prevention System		Item				
115.	Network Intrusion Prevention System (NIPS) and NIDS		Item				
116.	Intrusion Detection System / Intrusion Prevention System		Item				
117.	Security Racks (same as other racks)		Item				
118.	Security Testing Solution		Item				
119.	Network Detection and Response		Item				
120.	Container Runtime Security and East west Traffic Inspection and Attack Mitigation Solution		Item				
121.	Extended Detection and Response Solution		Item				
Other Tools			Item				
122.	Specify if any		Item				
Total Implementation Cost							

4.13.2 Three years Warranty, Support and Maintenance Cost Table (Warranty Cost)

Submit Price Schedule for each year separately.

Serial Number	Product and /or Service Item Description	Country of Origin	Qty	Unit Prices / Rates in INR		Total Price in INR	
				CIF	Other Costs All related costs to Deliver and Implementation to the final Destination.	CIF	Other Costs All related costs to Deliver and Implementation to the final Destination
Software							
1.	Modular Open Source Identity Platform (MOSIP)		Item				
2.	Integration Middleware		Item				
3.	Biometric SDK		Item				
4.	Automated Biometric Identification System		Item				
5.	Portal Solution		Item				
6.	Customer Relationship Management		Item				
7.	BI & Reporting Solution		Item				
8.	Document Management System		Item				
9.	Fraud Management System		Item				
10.	Service Billing System		Item				
11.	Knowledge Management System		Item				
12.	Learning Management System		Item				
13.	TSP and UA Software		Item				
14.	Enterprise Service Bus		Item				
15.	API Gateway		Item				
16.	Business Rules Engine		Item				
17.	Business Process Management Suite		Item				
18.	Web Server		Item				
19.	Distributed Caching		Item				
20.	Program / Project Management Tool		Item				
21.	Version management		Item				
22.	Operating System		Item				
23.	Database Solution		Item				
24.	Performance Testing Tool		Item				
25.	Messaging Platform - Publish/Subscribe Queues		Item				
26.	IT Service Management Tools		Item				
27.	Enterprise Management System		Item				
28.	Data Centre Hosting Space (Primary Site)		Item				
29.	Data Centre Hosting Space (Secondary Site)		Item				
30.	Data Centre Power (Primary Site)		Item				
31.	Data Centre Power (Secondary Site-DR)		Item				
32.	Blade Servers (Biometric Solution)		Item				

33.	Blade Chassis (Biometric Solution)		Item				
34.	Rack Server (Biometric Solution)		Item				
35.	Server Rack (Biometric Solution)		Item				
36.	SAN (Biometric Solution)		Item				
37.	SAN Switch (Biometric Solution)		Item				
38.	Tape Library and Tapes (Biometric Solution)		Item				
39.	Blade Servers (Other than Biometric Solution)		Item				
40.	Blade Chassis (Other than Biometric Solution)		Item				
41.	Rack Server (Other than Biometric Solution)		Item				
42.	Server Rack (Other than Biometric Solution)		Item				
43.	SAN (Other than Biometric Solution)		Item				
44.	SAN Switch (Other than Biometric Solution)		Item				
45.	Tape Library (Other than Biometric Solution)		Item				
46.	Virtual Tape Library (Other than Biometric Solution)		Item				
47.	Internet Router (For entire infrastructure)		Item				
48.	MPLS Router (For entire infrastructure)		Item				
49.	Global Load Balancer (For entire infrastructure)		Item				
50.	Application Load Controller - Server / Application Load Balancer (For entire infrastructure)		Item				
51.	Core Switches (For entire infrastructure)		Item				
52.	Data Centre Access Switches (For entire infrastructure)		Item				
53.	Enterprise Management System		Item				
54.	Replication and Backup Solution (Note: MSI and BSP may bring same solution or their separate solutions)		Item				
55.	Network Access Controller		Item				
56.	Virtualization Solution		Item				
57.	Enterprise Container Application Platform		Item				
58.	Enterprise Monitoring System		Item				
59.	Virtual Desktop Infrastructure Solution		Item				
60.	Video wall with controllers, speakers, and other accessories		1				
61.	LED TV- (4 X 4 configuration)		8				
62.	Laptop (for manager and L1 analysts)		8				
63.	Desktops / Monitors (13 resources X 2 monitors each)		26				
64.	Keyboards and Mouse		13				
65.	IP Phone		13				
66.	IP PABX		1				
67.	Printer (Network)		1				

68.	UPS – 20KVA		2				
69.	Enrolment Fingerprint Scanner (4-4-2)		1625				
70.	Enrolment Iris Scanner (Dual)		1625				
71.	Signature Pad		1625				
72.	Auth- Fingerprint scanners		250				
73.	Auth - Facial Scanner		250				
74.	Auth - Iris Capture Device		250				
Mobile Registration KITS							
75.	Enrolment Kit Container for mobile registration kits		40				
76.	Laptop for mobile registration kits		40				
77.	QR Reader (Scan PRN included QR)		40				
78.	Document Scanner		40				
79.	Printer		40				
80.	Enrolment - Fingerprint Scanner (4-4-2)		40				
81.	Enrolment - Iris Scanner (Dual)		40				
82.	DSLR Camera		40				
83.	Signature Pad		40				
84.	UPS		40				
85.	USB Hub		40				
86.	Internet Dongle		40				
87.	USB Storage Device for mobile registration kits		40				
88.	Flashlight		40				
89.	Background Screen		40				
90.	Data Centre – Interconnection Network		Item				
91.	Data Centers (DC & DR) – Internet Links		Item				
92.	Internet Connectivity for mobile registration centers		Item				
93.	Data Centers (DC & DR) – NOC / SOC/ Technical Helpdesk		Item				
Security							
94.	DLP Solution		Item				
95.	Network Vulnerability Scanner		Item				
96.	Anti-Advanced Persistent Threat (APT)		Item				
97.	Privilege Access Management		Item				
98.	Two Factor Authentication		Item				
99.	Web Gateway with content Filtering & Proxy Solution		Item				
100.	Web Vulnerability Scanner		Item				

101.	Code Review Tool		Item				
102.	Anti-Virus Solution		Item				
103.	Identity and Access Management		Item				
104.	Hardware Security Module		Item				
105.	Security Information and Event Monitoring (SIEM) Solution		Item				
106.	Anti-DDoS solution		Item				
Security Component (Hardware)							
107.	Patch Management Solution		Item				
108.	Email Gateway (Security Solution)		Item				
109.	Database Activity Monitoring		Item				
110.	SSL VPN		Item				
111.	External Firewall		Item				
112.	Internal Firewall		Item				
113.	Web Application Firewall		Item				
114.	Host Intrusion Prevention System		Item				
115.	Network Intrusion Prevention System (NIPS) and NIDS		Item				
116.	Intrusion Detection System / Intrusion Prevention System		Item				
117.	Security Racks (same as other racks)		Item				
118.	Security Testing Solution		Item				
119.	Network Detection and Response		Item				
120.	Container Runtime Security and East west Traffic Inspection and Attack Mitigation Solution		Item				
121.	Extended Detection and Response Solution		Item				
Other Tools			Item				
122.	Specify if any		Item				

Total Warranty, Support and Maintenance Cost – First year

Note: Similar format should be used to submit subsequent years

4.13.3 Two years Post Warranty, Support and Maintenance Cost Table (Post Warranty Cost)

Submit Price Schedule for each year separately.

Serial Number	Product and /or Service Item Description	Country of Origin	Qty	Unit Prices / Rates in INR		Total Price in INR	
				CIF	Other Costs All related costs to Deliver and Implementation to the destination.	CIF	Other Costs All related costs to Deliver and Implementation to the destination
Software							
1.	Modular Open Source Identity Platform (MOSIP)		Item				
2.	Integration Middleware		Item				
3.	Biometric SDK		Item				
4.	Automated Biometric Identification System		Item				
5.	Portal Solution		Item				
6.	Customer Relationship Management		Item				
7.	BI & Reporting Solution		Item				
8.	Document Management System		Item				
9.	Fraud Management System		Item				
10.	Service Billing System		Item				
11.	Knowledge Management System		Item				
12.	Learning Management System		Item				
13.	TSP and UA Software		Item				
14.	Enterprise Service Bus		Item				
15.	API Gateway		Item				
16.	Business Rules Engine		Item				
17.	Business Process Management Suite		Item				
18.	Web Server		Item				
19.	Distributed Caching		Item				
20.	Program / Project Management Tool		Item				
21.	Version management		Item				
22.	Operating System		Item				
23.	Database Solution		Item				
24.	Performance Testing Tool		Item				
25.	Messaging Platform - Publish/Subscribe Queues		Item				
26.	IT Service Management Tools		Item				
27.	Enterprise Management System		Item				
28.	Data Centre Hosting Space (Primary Site)		Item				
29.	Data Centre Hosting Space (Secondary)		Item				

	Site)						
30.	Data Centre Power (Primary Site)		Item				
31.	Data Centre Power (Secondary Site-DR)		Item				
32.	Blade Servers (Biometric Solution)		Item				
33.	Blade Chassis (Biometric Solution)		Item				
34.	Rack Server (Biometric Solution)		Item				
35.	Server Rack (Biometric Solution)		Item				
36.	SAN (Biometric Solution)		Item				
37.	SAN Switch (Biometric Solution)		Item				
38.	Tape Library and Tapes (Biometric Solution)		Item				
39.	Blade Servers (Other than Biometric Solution)		Item				
40.	Blade Chassis (Other than Biometric Solution)		Item				
41.	Rack Server (Other than Biometric Solution)		Item				
42.	Server Rack (Other than Biometric Solution)		Item				
43.	SAN (Other than Biometric Solution)		Item				
44.	SAN Switch (Other than Biometric Solution)		Item				
45.	Tape Library (Other than Biometric Solution)		Item				
46.	Virtual Tape Library (Other than Biometric Solution)		Item				
47.	Internet Router (For entire infrastructure)		Item				
48.	MPLS Router (For entire infrastructure)		Item				
49.	Global Load Balancer (For entire infrastructure)		Item				
50.	Application Load Controller - Server / Application Load Balancer (For entire infrastructure)		Item				
51.	Core Switches (For entire infrastructure)		Item				
52.	Data Centre Access Switches (For entire infrastructure)		Item				
53.	Enterprise Management System		Item				
54.	Replication and Backup Solution (Note: MSI and BSP may bring same solution or their separate solutions)		Item				
55.	Network Access Controller		Item				
56.	Virtualization Solution		Item				
57.	Enterprise Container Application Platform		Item				
58.	Enterprise Monitoring System		Item				
59.	Virtual Desktop Infrastructure Solution		Item				
60.	Video wall with controllers, speakers, and other accessories		1				
61.	LED TV- (4 X 4 configuration)		8				
62.	Laptop (for manager and L1 analysts)		8				
63.	Desktops / Monitors (13 resources X 2 monitors each)		26				
64.	Keyboards and Mouse		13				
65.	IP Phone		13				
66.	IP PABX		1				
67.	Printer (Network)		1				
68.	UPS – 20KVA		2				

69.	Enrolment Fingerprint Scanner (4-4-2)		1625				
70.	Enrolment Iris Scanner (Dual)		1625				
71.	Signature Pad		1625				
72.	Auth- Fingerprint scanners		250				
73.	Auth - Facial Scanner		250				
74.	Auth - Iris Capture Device		250				
Mobile Registration KITS							
75.	Enrolment Kit Container for mobile registration kits		40				
76.	Laptop for mobile registration kits		40				
77.	QR Reader (Scan PRN included QR)		40				
78.	Document Scanner		40				
79.	Printer		40				
80.	Enrolment - Fingerprint Scanner (4-4-2)		40				
81.	Enrolment - Iris Scanner (Dual)		40				
82.	DSLR Camera		40				
83.	Signature Pad		40				
84.	UPS		40				
85.	USB Hub		40				
86.	Internet Dongle		40				
87.	USB Storage Device for mobile registration kits		40				
88.	Flashlight		40				
89.	Background Screen		40				
90.	Data Centre – Interconnection Network		Item				
91.	Data Centers (DC & DR) – Internet Links		Item				
92.	Internet Connectivity for mobile registration centers		Item				
93.	Data Centers (DC & DR) – NOC / SOC/ Technical Helpdesk		Item				
Security							
94.	DLP Solution		Item				
95.	Network Vulnerability Scanner		Item				
96.	Anti-Advanced Persistent Threat (APT)		Item				
97.	Privilege Access Management		Item				
98.	Two Factor Authentication		Item				
99.	Web Gateway with content Filtering & Proxy Solution		Item				
100.	Web Vulnerability Scanner		Item				
101.	Code Review Tool		Item				
102.	Anti-Virus Solution		Item				
103.	Identity and Access Management		Item				

104	Hardware Security Module		Item				
105	Security Information and Event Monitoring (SIEM) Solution		Item				
106	Anti-DDoS solution		Item				
Security Component (Hardware)							
107	Patch Management Solution		Item				
108	Email Gateway (Security Solution)		Item				
109	Database Activity Monitoring		Item				
110	SSL VPN		Item				
111	External Firewall		Item				
112	Internal Firewall		Item				
113	Web Application Firewall		Item				
114	Host Intrusion Prevention System		Item				
115	Network Intrusion Prevention System (NIPS) and NIDS		Item				
116	Intrusion Detection System / Intrusion Prevention System		Item				
117	Security Racks (same as other racks)		Item				
118	Security Testing Solution		Item				
119	Network Detection and Response		Item				
120	Container Runtime Security and East west Traffic Inspection and Attack Mitigation Solution		Item				
121	Extended Detection and Response Solution		Item				
Other Tools			Item				
122	Specify if any		Item				
123							
Total Post Warranty, Support and Maintenance Cost – First Year							
Note: Similar format should be used to submit subsequent years.							

4.13.4 IT Support Services Table

Anything which has not being captured in the above sections, the bidder may propose such items below.

Costs MUST reflect prices and rates quoted in accordance with ITB Clauses 19 and 20

Item	IT Support Service Item/Sub-item Description	Country of Origin	Qty	Unit Prices / Rates in INR		Total Price in INR	
				CIF	Other Costs All related costs to Deliver and Implementation to the destination.	CIF	Other Costs All related costs to Deliver and Implementation to the destination
1	Specify						
2	Specify						
Total Prices: IT Support Services (for entry in Grand Summary Cost Table)							

4.13.5 Change Request Table*Table No: 4.13.5 Change Request*

Item	Change Request as per the Section VI Schedule of requirement	Qty	INR	Total Price
1	CR	500 Days		

4.13.6 Grand Summary

Table No: 4.13.6 Grand Summary

Table	Price Component	Total in INR		
		CIF	Other	Total
4.13.1	Products and Services Provided and Installed (Implementation Cost)			
4.13.2	Three years Warranty Cost			
	(i) Year 1			
	(j) Year 2			
4.13.3	(k) Year 3			
	Two years Post Warranty Cost			
4.13.4	(l) Year 1			
	(m) Year 2			
4.13.4	IT Support Services			
4.13.5	Change Request (CR)			
GRAND TOTALS to be carried forward to Letter of Price Bid –				
Name of Bidder				
Authorized Signature of Bidder				

SECTION V - ELIGIBLE COUNTRIES

No specific restrictions have been imposed on any country for the purpose of supply of IT products/or Services under the contract resulting from these bidding document. MSI shall however, give preferences to India vendors, service providers and sub-contractors for the project and such vendors, service providers and subcontractors shall endeavor to source hardware, other products, and services from India as far as possible. MSI shall also give preferences to Indian vendors, service providers, and sub-contractors who have provided similar services and products in India in the past. Sourcing of hardware other products and services from third countries shall be based on mutual concern of both the employer and the Donor for the project.