

**P / Q**

## **Invitation for Prequalification**

## **Invitation for Prequalification**

Date : 9th MAY, 2025  
 IFP No. : PQ- B&SD/JICA/HFWD-MIZORAM/01  
 Employer : Health and Family Welfare Department, Government of Mizoram  
 Country : INDIA  
 JICA Loan No.: ID-P306  
 Project Name : Establishment of Mizoram State Super-Specialty Cancer and Research Centre Project  
 Contract Name: Construction of Buildings and Site Development for Establishment of Mizoram State Super-Specialty Cancer and Research Centre, Mizoram, India

1. The President of India has received a loan from the Japan International Cooperation Agency (JICA) to finance a Project for the Establishment of Mizoram State Super-Specialty Cancer and Research Centre Project and intends to apply part of the proceeds towards payments under the contract for Construction of Buildings and Site Development for Establishment of Mizoram State Super-Specialty Cancer and Research Centre, Mizoram, India resulting from the bidding for which this prequalification is conducted.
2. The Health and Family Welfare Department, Government of Mizoram now intends to prequalify firms for Construction of Buildings and Site Development for Establishment of Mizoram State Super-Specialty Cancer and Research Centre, Mizoram, India
3. It is expected that Invitation for Bids will be made in **JULY 2025**
4. Prequalification will be conducted through procedures in accordance with the applicable Guidelines for Procurement under Japanese ODA Loans, and is open to all Applicants from eligible source countries, as defined in the Prequalification Document.
5. Interested Applicants may obtain further information from and inspect the Prequalification Document during office hours at:  
 Dr Lalnunpuui, Assistant Project Coordinator  
 MSSSCRC JICA Project Cell  
 Directorate of Hospital and Medical Education  
 MINECO, Khatla, Aizawl – 796001, Mizoram, India  
 Tel: +91-9612299245/ 69091318591  
 Email : [msss-crc@mizoram.gov.in](mailto:msss-crc@mizoram.gov.in)
6. The Prequalification Document may be purchased by interested Applicants on the submission of a written application to the address above and upon payment of a non-refundable fee of **INR 30,000/- (Rupees Thirty Thousand only)**. The method of payment will be **Demand Draft** drawn in any Scheduled/Nationalized Bank approved by RBI in favour of **“The Project Coordinator, MSSSCRC, JICA Project Cell, Directorate of Hospital and Medical Education, MINECO, Khatla, Aizawl – 796001”**. The Demand Draft is to be delivered by hand / sent by Courier to Dr Lalnunpuui, Assistant Project Coordinator, MSSSCRC, JICA Project Cell, Directorate of Hospital and Medical Education, MINECO, Khatla, Aizawl – 796001, Mizoram, India. On receipt of the Prequalification Document fee via Demand Draft by hand / Courier, the Employer will hand over the Prequalification Document to the interested bidder.

7. Applications for Prequalification must be delivered to the address mentioned below on or before **10:30 a.m. [IST] on 25th JUNE, 2025** at  
Dr Lalnunpuui, Assistant Project Coordinator  
MSSSCRC JICA Project Cell  
Directorate of Hospital and Medical Education  
MINECO, Khatla, Aizawl – 796001, Mizoram, India  
Tel: +91-9612299245/ 69091318591  
Email : [msss-crc@mizoram.gov.in](mailto:msss-crc@mizoram.gov.in)

# **PREQUALIFICATION DOCUMENT**

**for**

## **Construction of Buildings and Site Development for Establishment of Mizoram State Super-Specialty Cancer and Research Centre, Mizoram, India**

<b>IFP No.</b>	<b>:PQ-B&amp;SD/JICA/HFWD-MIZORAM/01</b>
<b>Employer</b>	<b>: Health and Family Welfare Department, Government of Mizoram</b>
<b>Country</b>	<b>: INDIA</b>
<b>JICA Loan No.</b>	<b>: ID-P306</b>
<b>Project</b>	<b>: Establishment of Mizoram State Super-Specialty Cancer and Research Centre Project</b>
<b>Contract</b>	<b>: Construction of Buildings and Site Development for Establishment of Mizoram State Super-Specialty Cancer and Research Centre, Mizoram, India</b>

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# **PART 1 – PREQUALIFICATION PROCEDURES**

## **Section I. Instructions to Applicants**

# Section I. Instructions to Applicants

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## A. General

### 1. Scope of Application

- 1.1 In connection with the Invitation for Prequalification **specified in Section II, Prequalification Data Sheet (PDS)**, the Employer, as **specified in the PDS** located in the Country, as **specified in the PDS**, issues this Prequalification Document (hereinafter referred to as “Prequalification Document”) to prospective applicants (“Applicants”) interested in submitting applications (“Applications”) for prequalification to bid for the works or the plant described in Section VI, Works Requirements.

The name of the Project and the name of the Contract are **specified in the PDS**.

Prequalification may also be invited for multiple lots of the Project, **as specified in the PDS**. Applications may be submitted either for individual lots or for multiple lots in any combination.

- 1.2 Throughout this Prequalification Document:
- (a) the term “in writing” means communicated in written form and delivered against receipt;
  - (b) except where the context requires otherwise, words indicating the singular also include the plural and words indicating the plural also include the singular;
  - (c) “day” means calendar day;
  - (d) “firm” means a private entity, a state-owned enterprise or institution; and
  - (e) “Joint Venture” or “JV” means any combination of two or more firms in the form of a joint venture, consortium, association or other unincorporated grouping under an existing agreement or with the intention to enter into such an agreement supported by a formal letter of intent

### 2. Source of Funds

- 2.1 The Borrower **specified in the PDS** has received or has applied for a Japanese ODA Loan from the Japan International Cooperation Agency (hereinafter referred to as “JICA”), with the number, in the amount, and on the signed date of the Loan Agreement **specified in the PDS**, towards the cost of the Project. The Borrower intends to apply a portion of the proceeds of the Loan to payments under the contract(s) resulting from the bidding for which this prequalification is conducted.

- 2.2 Disbursement of a Japanese ODA Loan by JICA will be subject, in

all respects, to the terms and conditions of the Loan Agreement, including the disbursement procedures and the applicable Guidelines for Procurement under Japanese ODA Loans **specified in the PDS**. No party other than the Borrower shall derive any rights from the Loan Agreement or have any claim to loan proceeds.

- 2.3 The above Loan Agreement will cover only part of the project cost. As for the remaining portion, the Borrower, the Project Executing Agency and the Employer will take appropriate measures for finance through other sources **specified in the PDS**.

### 3. Corrupt and Fraudulent Practices

- 3.1 It is JICA's policy to require that Bidders and Contractors, as well as Borrowers, the Project Executing Agencies and the Employers, under contracts funded with Japanese ODA Loans and other Japanese ODA, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, JICA:
- (a) will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.
  - (b) will recognize a Contractor as ineligible, for a period determined by JICA, to be awarded a contract funded with Japanese ODA Loans if it at any time determines that the Bidder or the Contractor has engaged in any corrupt or fraudulent practice in competing for, or in executing another contract funded with Japanese ODA Loans or other Japanese ODA. The list of ineligible firms and individuals is available at the electronic address **specified in the PDS**.
  - (c) will recognize a Contractor as ineligible to be awarded a contract funded with Japanese ODA Loans if the Contractor or subcontractor, who has a direct contract with the Contractor, is debarred under the cross debarment decisions by the Multilateral Development Banks. Such period of ineligibility shall not exceed three (3) years from (and including) the date on which the cross debarment is imposed. Notwithstanding the foregoing, taking relevant factors such as the status of the project financed by Japanese ODA Loans into account, the Borrower may request JICA's concurrence to recognize, and upon obtaining JICA's prior concurrence, may recognize the eligibility of any Contractor or subcontractor so debarred if, in the Borrower's view, the ineligibility of such Contractor or subcontractor would result in a clear and substantial disadvantage to the Borrower.

"Cross debarment decisions by the Multilateral Development Banks" is a corporate sanction in accordance with the agreement among the African Development Bank Group, Asian Development Bank, European Bank for Reconstruction and

Development, Inter-American Development Bank Group and the World Bank Group signed on 9 April, 2010 (as amended from time to time). JICA will recognize the World Bank Group's debarment of which period exceeds one year, imposed after 19 July, 2010, the date on which the World Bank Group started cross debarment, as "cross debarment decisions by the Multilateral Development Banks." The list of debarred firms and individuals is available at the electronic address **specified in the PDS**.

JICA will recognize a Bidder or Contractor as ineligible to be awarded a contract funded with Japanese ODA Loans if the Bidder or Contractor is debarred by the World Bank Group for the period starting from the date of advertisements for Prequalification up to the signing of the contract, unless (i) such debarment period does not exceed one year, (ii) three (3) years have passed since such debarment decision, or (iii) JICA concurs to the eligibility in case of the clear and substantial disadvantage to the Borrower.

If it is revealed that the Contractor was ineligible to be awarded a contract according to above, JICA will, in principle, impose sanctions against the Contractor.

If it is revealed that the subcontractor, who has a direct contract with the Contractor, has been debarred by the World Bank Group as of the subcontract date, JICA will, in principle, require the Borrower to have the Contractor cancel the subcontract immediately, unless (i) such debarment period does not exceed one year, (ii) three (3) years have passed since such debarment decision, or (iii) JICA concurs to the eligibility in case of the clear and substantial disadvantage to the Borrower. If the Contractor refuses, JICA will require the Borrower to declare invalidity or cancellation of the contract and demand the refund of the relevant proceeds of the loan or any other remedies on the grounds of contractual violation.

- 3.2 If the Employer determines, based on reasonable evidence, that any Applicant has engaged in any corrupt or fraudulent practice, the Employer may disqualify such Applicant after notifying the grounds of such disqualification.

#### **4. Eligible Applicants**

- 4.1 The Applicant may be a single firm or a JV. In the case of a JV:
- (a) all members shall be jointly and severally liable for the execution of the Contract in accordance with the Contract terms.
  - (b) The JV shall nominate a Representative who shall have the authority to conduct all business for and on behalf of any and all the members of the JV during the prequalification process,

bidding (in the event the JV submits a Bid) and during contract execution (in the event the JV is awarded the Contract).

- (c) Applications submitted by a JV shall include a copy of the JV Agreement entered into by all members. Alternatively, a formal letter of intent to enter into a JV in the event of a successful Bid shall be signed by all members and submitted with the Application. The JV Agreement or a formal letter of intent, as the case may be, shall indicate at least the part(s) of the works to be executed by each member.

4.2 The Applicant shall not have a conflict of interest. The Applicant shall be disqualified under any of the circumstances set forth below, where it is determined to have a conflict of interest throughout the bidding/selection process and/or the execution of the contract unless the conflict has been resolved in a manner acceptable to JICA.

- (a) A firm shall be disqualified from providing goods or non-consulting services resulting from or directly related to consulting services for the preparation or implementation of a project that it provided or were provided by any affiliate that directly or indirectly controls, is controlled by, or is under common control with that firm. This provision does not apply to the various firms (consultants, contractors, or suppliers) only due to the reason that those firms together are performing the Contractor's obligations under a turnkey or design and build contract.
- (b) A firm that has a close business relationship with a professional personnel of the Borrower (or the Executing Agency, or the Employer), who are directly or indirectly involved in any part of: (i) the preparation of the Prequalification and Bidding Documents for the contract, (ii) the Prequalification and Bid evaluation, or (iii) the supervision of such contract, shall be disqualified.
- (c) A firm having any other form of conflict of interest other than (a) and (b) above shall also be disqualified.

4.3 A firm and any of its affiliates (that directly or indirectly control, are controlled by or are under common control with that firm) may submit their applications for prequalification either individually, as joint venture or as a subcontractor among them for the same contract, but once prequalified, based on the "One Bid Per Bidder" principle, which is to ensure fair competition, only one prequalified applicant will be allowed to bid for the same contract. All Bids submitted in violation of this procedure will be rejected. However, this does not limit a firm (including its affiliate) participating in one Bid

individually or as a member of a JV and at the same time, the firm (including its affiliate) participating in other Bids as a subcontractor but NOT acting as a specialized subcontractor (refer to ITA21.1). A firm (including its affiliate) acting as a specialized subcontractor or as a subcontractor in any Bid may participate in other Bids as a specialized subcontractor or as a subcontractor.

- 4.4 The Applicant shall meet the requirements as to eligibility of the Applicants as specified in Section V, Eligible Source Countries of Japanese ODA Loans.
- 4.5 The Applicant that has been determined to be ineligible by JICA in accordance with ITA 3.1, shall not be eligible to be awarded a contract.
- 4.6 The Applicant shall provide such evidence of its continued eligibility satisfactory to the Employer, as the Employer shall reasonably request.
- 4.7 The goods and services comprising the works and/or plant to be supplied under the Contract and financed by JICA shall meet the requirements specified in Section V, Eligible Source Countries of Japanese ODA Loans.

## **B. Contents of the Prequalification Document**

### **5. Sections of Prequalification Document**

- 5.1 The Prequalification Document consists of Parts 1 and 2 which include all the Sections specified below, and which should be read in conjunction with any addenda issued in accordance with ITA 7.

#### **PART 1 Prequalification Procedures**

- Section I. Instructions to Applicants (ITA)
- Section II. Prequalification Data Sheet (PDS)
- Section III. Qualification Criteria
- Section IV. Application Forms
- Section V. Eligible Source Countries of Japanese ODA Loans

#### **PART 2 Works Requirements**

- Section VI. Works Requirements
- 5.2 The Invitation for Prequalification issued by the Employer is not part of the Prequalification Document.
  - 5.3 Unless obtained directly from the Employer, the Employer is not responsible for the completeness of the Prequalification Document, responses to requests for clarification, the minutes of the pre-application meeting (if any), or addenda to the Prequalification

Document in accordance with ITA 7. In case of any contradiction, documents obtained directly by the Employer shall prevail.

- 5.4 The Applicant is expected to examine all instructions, forms, and terms in the Prequalification Document and to furnish with its Application all information or documentation as is required by the Prequalification Document. The information or documentation shall be complete, accurate, current, and verifiable.

**6. Clarification of Prequalification Document**

- 6.1 The Applicant requiring any clarification of the Prequalification Document shall contact the Employer in writing at the Employer's address **specified in the PDS** or raise its enquiries during the pre-application meeting if provided for in accordance with ITA 6.2. The Employer will respond in writing to any request for clarification provided that such request is received no later than fourteen (14) days prior to the deadline for submission of Applications. The Employer shall forward copies of its response to all Applicants who have acquired the Prequalification Document in accordance with ITA 5.3, including a description of the inquiry but without identifying its source. If so **specified in the PDS**, the Employer shall also promptly publish its response at the web page **identified in the PDS**. Should the clarification result in changes to the essential elements of the Prequalification Document, the Employer shall amend the Prequalification Document following the procedure under ITA 7 and ITA 15.2.

- 6.2 If so **specified in the PDS**, the Applicant's designated representative is invited to attend a pre-application meeting. The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.

- 6.3 The Applicant is requested to submit any questions in writing, to reach the Employer not later than seven (7) days before the meeting.

- 6.4 Minutes of the pre-application meeting, if applicable, including the text of the questions asked by the Applicants, without identifying the source and the responses given, together with any responses prepared after the meeting will be transmitted promptly to all Applicants who have acquired the Prequalification Document in accordance with ITA 5.3. Any modification to the Prequalification Document that may become necessary as a result of the pre-application meeting shall be made by the Employer exclusively through the issue of an addendum pursuant to ITA 7 and not through the minutes of the pre-application meeting. Non-attendance at the pre-application meeting will not be a cause for disqualification of an Applicant.

**7. Amendment of Prequalification**

- 7.1 At any time prior to the deadline for submission of Applications, the Employer may amend the Prequalification Document by issuing

**Document**

addenda.

- 7.2 Any addendum issued shall be part of the Prequalification Document and shall be communicated in writing to all who have obtained the Prequalification Document from the Employer in accordance with ITA 5.3. If so **specified in the PDS**, the Employer shall also promptly publish the addendum at the Employer's web page in accordance with ITA 6.1.
- 7.3 To give Applicants reasonable time to take an addendum into account in preparing their Applications, the Employer may, at its discretion, extend the deadline for the submission of Applications, pursuant to ITA 15.2.

**C. Preparation of Applications****8. Cost of Applications**

- 8.1 The Applicant shall bear all costs associated with the preparation and submission of its Application, and the Employer shall not be responsible or liable for those costs, regardless of the conduct or outcome of the prequalification process.

**9. Language of Application**

- 9.1 The Application, as well as all correspondence and documents relating to the prequalification exchanged by the Applicant and the Employer, shall be written in the language **specified in the PDS**. Supporting documents and printed literature that are part of the Application may be in another language, provided they are accompanied by an accurate translation of the relevant passages in the language **specified in the PDS**, in which case, for purposes of interpretation of the Application, the translation shall govern.

**10. Documents Comprising the Application**

- 10.1 The Application shall comprise the following:
- (a) Application Submission Form, in accordance with ITA 11.1;
  - (b) Power of Attorney, authorizing the signatory of the Application to commit the Applicant, in accordance with ITA 13.2 and ITA 13.3;
  - (c) copy of the JV Agreement, or a formal letter of intent to enter into a JV in accordance with ITA 4.1;
  - (d) documentary evidence in accordance with ITA 12.1 establishing the Applicant's eligibility and qualification to perform the Contract if its Bid is accepted;
  - (e) Acknowledgement of Compliance with Guidelines for Procurement under Japanese ODA Loans (Form ACK), which shall be signed and dated by the Applicant's authorized representative; and

(f) any other document required **as specified in the PDS**.

**11. Application Submission Form**

11.1 The Applicant shall complete the Application Submission Form using the relevant forms furnished in Section IV, Application Forms. This Form must be completed without any alteration to the text, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.

**12. Documents Establishing the Qualifications of the Applicant**

12.1 To establish its qualifications to perform the contract(s) in accordance with Section III, Qualification Criteria, the Applicant shall provide the information requested in the corresponding forms included in Section IV, Application Forms.

The aforementioned Qualification Criteria contains, among other things, the requirements as to eligibility specified in ITA 4.

**13. Format and Signing of Application**

13.1 The Applicant shall prepare one original of the Application comprising the documents as described in ITA 10.1 and clearly mark it "ORIGINAL".

In addition, the Applicant shall submit copies of the Application, in the number **specified in the PDS**, and clearly mark them "COPY".

In the event of any discrepancy between the original and the copies, the original shall prevail.

13.2 The original of the Application shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Applicant. This authorization shall be in the form of a Power of Attorney. All pages of the Application where entries or amendments have been made shall be signed or initialed by the person signing the Application.

13.3 An Application submitted by a JV shall be signed by an authorized representative of the JV accompanied by a Power of Attorney from each member of the JV giving that authorized representative the power to sign on their behalf and legally bind them all. Such power shall also be given by a person duly authorized to do so on behalf of each member evidenced by a Power of Attorney.

13.4 Any interlineation, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the Application.

13.5 The Applicants shall clearly mark "CONFIDENTIAL" any information which they regard as confidential to their business. Such information may include proprietary information, trade secrets, or commercial or financially sensitive information.



## D. Submission of Applications

### 14. Sealing and Marking of Applications

14.1 The Applicant shall enclose:

- (a) in a sealed envelope, duly marked as “ORIGINAL”, all documents comprising the Application, as described in ITA 10.1; and
- (b) in sealed envelopes, duly marked as “COPY”, all required copies of the Application, sequentially numbered.

These envelopes (inner envelopes) containing the original and the copies shall then be enclosed in one single envelope (outer envelope).

14.2 The inner and outer envelopes shall be:

- (a) clearly marked with the name and address of the Applicant;
- (b) addressed to the Employer, in accordance with ITA 15.1; and
- (c) clearly marked with the specific identification of this prequalification process, **specified in PDS 1.1**.

14.3 If all envelopes are not sealed and marked as required, the Employer will assume no responsibility for the misplacement of the Application.

### 15. Deadline for Submission of Applications

15.1 Applications must be received by the Employer at the address and no later than the date and time **specified in the PDS**.

15.2 The Employer may, at its discretion, extend the deadline for the submission of Applications by amending the Prequalification Document in accordance with ITA 7, in which case all rights and obligations of the Employer and the Applicants subject to the previous deadline shall thereafter be subject to the deadline as extended.

### 16. Late Applications

16.1 The Employer shall not consider any Application that arrives after the deadline for submission of Applications, in accordance with ITA 16. Any Application received by the Employer after the deadline for submission of Applications shall be declared late, rejected, and returned unopened to the Applicants.

### 17. Opening of Applications

17.1 The Employer shall open all Applications at the date, time and place **specified in the PDS**.

17.2 The Employer shall prepare a record of the opening of Applications to include, as a minimum, the name of the Applicants. A copy of the record shall be distributed to all Applicants who submitted

Applications in time, and to JICA.

## **E. Procedure for Evaluation of Applications**

**18. Confidentiality** 18.1 Information relating to the evaluation of Applications and result shall not be disclosed to the Applicants or any other persons not officially concerned with the prequalification process until the notification of prequalification results is made to all Applicants in accordance with ITA 24.

The use by any Applicant of confidential information related to this prequalification process may result in the rejection of its Application.

18.2 Any attempt by an Applicant to influence the Employer in the evaluation of the Applications may result in the rejection of its Application.

18.3 Notwithstanding ITA 18.2, from the time of Application opening to the time of notification of results of the prequalification, if any Applicant wishes to contact the Employer on any matter related to the prequalification process, it shall do so in writing.

**19. Clarification of Applications** 19.1 To assist in the examination and evaluation of the Applications and the qualification of Applicants, the Employer may, at its discretion, ask any Applicant for a clarification of its Application, giving a reasonable time for a response. The Employer's request for clarification and the Applicant's response shall be in writing.

19.2 If an Applicant does not provide clarifications of its application by the date and time set in the Employer's request for clarification, its Application may be rejected.

**20. Determination of Responsiveness of Applications** 20.1 In case the information furnished by the Applicant is incomplete or otherwise requires clarification as per ITA 19.1, and the Applicant fails to provide satisfactory clarification and/or missing information, it may result in disqualification of the Applicant.

**21. Subcontractors** 21.1 **Unless otherwise stated in the PDS**, the Employer does not intend to execute any specific elements of the works by subcontractors selected in advance by the Employer (nominated Subcontractors).

The Applicant may propose to subcontract any of the key activities indicated in the Qualification Criteria 4.2 (b) (specialized subcontractor). In such a case,

(a) the Applicant may list one or more subcontractor(s) against any of the key activities aforementioned;

(b) the Applicant shall clearly identify the proposed

subcontractor(s) in Forms ELI-3 and EXP-2(b) in Section IV, Application Forms and submit the Schedule of Subcontractors, as part of its Application, listing out all subcontractors so proposed; and

- (c) substitution of the proposed subcontractor(s) shall not be allowed.

## **F. Evaluation of Applications and Prequalification of Applicants**

### **22. Evaluation of Applications**

- 22.1 The Applicant shall substantially meet or exceed the specified qualification requirements. The Employer reserves the right to waive minor (nonmaterial) deviations in the qualification criteria if they do not materially affect the technical capability and financial resources of the Applicant to perform the contract.
- 22.2 The determination shall be based upon an examination of the documentary evidence of the Applicant's qualifications submitted by the Applicant, pursuant to ITA 12. For the purposes of this determination, only the qualification of the legal entity(ies) comprising the Applicant shall be considered. In particular, the qualifications of affiliated entities (such as the parent company(ies), group companies, subsidiaries or other affiliates) shall not be considered unless they are parties to the Applicant under a JV in accordance with ITA 4.1 or as specialized subcontractors to be employed in accordance with ITA 21.1 for the key activities listed in Section III Qualification Criteria 4.2(b).
- 22.3 The subcontractors proposed in its Application shall meet the eligibility requirements of ITA 4.

Furthermore, if the specialized subcontractor proposed in accordance with ITA 21.1 does not meet the corresponding criteria for the key activities specified in Section III Qualification Criteria 4.2(b), the Applicant who proposed such a specialized subcontractor shall be disqualified.

### **23. Employer's Right to Accept or Reject Applications**

- 23.1 The Employer reserves the right to accept or reject any Application, and to annul the prequalification process and reject all Applications at any time, without thereby incurring any liability to Applicants.

### **24. Notification of Prequalification**

- 24.1 The Employer shall notify all Applicants in writing of the names of those Applicants who have been prequalified. In addition, those

Applicants who have been disqualified will be informed separately.

- 24.2 After receipt of the Employer's notification pursuant to ITA 24.1 above, the unsuccessful Applicants may request in writing to the Employer a debriefing seeking an explanation of the grounds on which their Applications were not selected. The Employer shall promptly respond in writing to any unsuccessful Applicant who requests a debriefing in accordance with this Clause.

## **25. Invitation for Bids**

- 25.1 Promptly after the notification of the results of the prequalification, the Employer shall invite Bids from all the Applicants that have been prequalified.
- 25.2 The Bidders may be required to provide a Bid Security acceptable to the Employer in the form and an amount to be specified in the Bidding Document, and the successful Bidder shall be required to provide a Performance Security to be specified in the Bidding Document.
- 25.3 The Bidding Document will be prepared in accordance with the applicable Standard Bidding Document of JICA **specified in the PDS.**

## **26. Changes in Qualifications of Applicants**

- 26.1 Any change in the structure or formation of the Applicant after being prequalified in accordance with ITA 22 and invited to bid (including, in the case of a JV, any change in the structure or formation of any member thereto) shall be subject to a written approval of the Employer prior to the deadline for submission of Bids. Such approval shall be denied, if;
- (a) such change has not taken place by the free choice of the firms involved;
  - (b) as a consequence of the change, the Applicant no longer substantially meets the qualification criteria set forth in Section III, Qualification Criteria; or
  - (c) in the opinion of the Employer, the change may result in a substantial reduction in competition.

Any such changes should be submitted to the Employer not later than twenty-eight (28) days before the Bid submission deadline.

## **Section II. Prequalification Data Sheet**

## Prequalification Data Sheet

A. General	
<b>ITA 1.1</b>	<p>The number of the Invitation for Prequalification is: <b><i>[insert number of the Invitation for Prequalification]</i></b></p> <p>The Employer is: Health and Family Welfare Department located in Aizawl, Mizoram, INDIA</p> <p>The Project is: Establishment of Mizoram State Super-Specialty Cancer and Research Centre</p> <p>The name of the Contract is: Construction of Buildings and Site Development for Establishment of Mizoram State Super-Specialty Cancer and Research Centre, Mizoram, India</p> <p>The multiple lots of the Project for which the Prequalification are being invited are: “<i>not applicable</i>”.</p>
<b>ITA 2.1</b>	<p>The Borrower is: The President of India</p> <p>The number of the Loan Agreement is: ID-P306</p> <p>The amount of a Japanese ODA Loan is: JPY 9,918 million</p> <p>The signed date of the Loan Agreement is: February 8, 2023</p>
<b>ITA 2.2</b>	The applicable Guidelines for Procurement under Japanese ODA Loans are those published in : <i>April 2012</i> .
<b>ITA 2.3</b>	The other sources of finance are: Govt. of Mizoram.
<b>ITA 3.1(b)</b>	The list of ineligible firms and individuals is available at the JICA’s website: <a href="http://www.jica.go.jp/english/about/organization/corp_gov/index.html">www.jica.go.jp/english/about/organization/corp_gov/index.html</a>
<b>ITA 3.1(c)</b>	The list of debarred firms and individuals is available at the World Bank’s website: <a href="http://www.worldbank.org/debarr">www.worldbank.org/debarr</a>
B. Contents of the Prequalification Document	
<b>ITA 6.1</b>	<p>For <b><u>clarification purposes</u></b> only, the Employer’s address is:</p> <p>Attention: Dr Lalnunpuui, Assistant Project Coordinator  MSSSCRC JICA Project Cell  Directorate of Hospital and Medical Education  MINECO, Khatla, Aizawl – 796001, Mizoram, India  Tel: +91-9612299245/ 69091318591  Email : <a href="mailto:msss-crc@mizoram.gov.in">msss-crc@mizoram.gov.in</a></p>

	Responses to any request for clarification, if any, <i>will not</i> be published on the Employer's web page indicated below. Web Page: "N/A" _
<b>ITA 6.2</b>	A Pre-application meeting <i>will not</i> take place
<b>ITA 7.2</b>	Addenda, if any, <i>will not</i> be published on the Employer's web page.
<b>C. Preparation of Applications</b>	
<b>ITA 9.1</b>	The language of the Application is: <i>English</i>
<b>ITA 10.1(f)</b>	The Applicant shall submit the following additional documents in its Application:  <i>This PDS 10.1(f) is not applicable.</i>
<b>ITA 13.1</b>	In addition to the original of the Application, the number of copies is: 5 copies in physical format and 1 soft copy in Pen drive format.
<b>D. Submission of Applications</b>	
<b>ITA 15.1</b>	For <b><u>Application submission purposes</u></b> only, the Employer's address is: Attention: Dr Lalnunpuui, Assistant Project Coordinator MSSSCRC JICA Project Cell Directorate of Hospital and Medical Education MINECO, Khatla, Aizawl – 796001, Mizoram, India Tel: +91-9612299245/ 69091318591 Email : <a href="mailto:msss-crc@mizoram.gov.in">msss-crc@mizoram.gov.in</a>  <b>The deadline for Application submission is:</b> Date: 25th JUNE 2025 Time: 10:30 a.m.
<b>ITA 17.1</b>	The Application opening shall take place at: Mailing Address: <a href="mailto:msss-crc@mizoram.gov.in">msss-crc@mizoram.gov.in</a> Date: 25th JUNE 2025 Time: 11:00 a.m.
<b>E. Procedures for Evaluation of Applications</b>	
<b>ITA 21.1</b>	At this time the Employer <i>does not intend</i> to execute certain specific parts of the works by subcontractors (i.e.: nominated Subcontractors) selected in advance.

<b>F. Evaluation of Applications and Prequalification of Applicants</b>	
<b>ITA 25.3</b>	The Bidding Documents will be prepared in accordance with the Standard Bidding Document for the Procurement of <i>Works</i> published by JICA.



## **Section III. Qualification Criteria**



## Qualification Criteria

### (I) **Qualification of the Applicant but not that of the Applicant's Affiliate**

It is the legal entity or entities comprising the Applicant (which is/are party to the Applicant under a JV or as subcontractors to be employed for the key activities listed in this Section), and not the Applicant's parent company(ies), group companies, subsidiaries, or other affiliates, that must satisfy the qualification criteria.

### (II) **Exchange Rate for Qualification Criteria**

Wherever a Form in Section IV, Application Forms, requires the Applicant to state a monetary amount, the Applicant should indicate the USD equivalent using the rate of exchange determined as follows:

- (a) For turnover or financial data required for each year - Exchange rate prevailing on the last day of the respective calendar or fiscal year, as applicable.
- (b) Value of single contract - Exchange rate prevailing on the date of the contract.

The applicable exchange rate shall be determined as follows:

The source of exchange rate shall be: Reserve Bank of India

In case the exchange rates are not available in the source identified above, the rates shall be taken from any other publicly available source acceptable to the Employer. Any error in determining the exchange rates may be corrected by the Employer.

### (III) **Qualification Criteria for Award of Multiple Lots**

N/A

## 1. Eligibility

Eligibility and Qualification Criteria				Compliance Requirements			Documentation
No.	Factor	Requirement	Single Firm	Joint Venture (existing or intended)			Submission Requirements
				All Members Combined	Each Member	One Member	
1.1	Nationality	Nationality in accordance with ITA 4.4	Must meet requirement	N/A	Must meet requirement	N/A	Forms ELI –1 and 2 <sup>(i)</sup> with attachments
1.2	Conflict of Interest	No conflicts of interest in ITA 4.2 and 4.3	Must meet requirement	N/A	Must meet requirement	N/A	Application Submission Form
1.3	JICA Ineligibility	Not having been declared ineligible by JICA, as described in ITA 4.5	Must meet requirement	N/A	Must meet requirement	N/A	Application Submission Form Form ACK
<u>Notes for the Applicants</u> (i) ELI -2 is required only if the Applicant is a JV.							

## 2. Historical Contract Non-Performance and Litigation

Eligibility and Qualification Criteria				Compliance Requirements			Documentation
No.	Factor	Requirement	Single Firm	Joint Venture (existing or intended)			Submission Requirements
				All Members Combined	Each Member	One Member	
2.1	History of Non-Performing Contracts	Non-performance of a contract <sup>(i)</sup> did not occur as a result of contractor's default since 1 <sup>st</sup> January 2020	Must meet requirement <sup>(ii)</sup>	N/A	Must meet requirement <sup>(ii)</sup>	N/A	Form CON
2.2	Pending Litigation	Applicant's financial position and prospective long-term profitability still sound according to criteria established in 3.1 below and assuming that all pending litigation will be resolved against the Applicant.	Must meet requirement <sup>(ii)</sup>	N/A	Must meet requirement <sup>(ii)</sup>	N/A	Form CON
2.3	Litigation History	No consistent history of court orders <sup>(iii)</sup> against the Applicant since 1 <sup>st</sup> January 2020	Must meet requirement <sup>(ii)</sup>	N/A	Must meet requirement <sup>(ii)</sup>	N/A	Form CON

### Notes for the Applicants

(i) Non-performance, as decided by the Employer, shall include all contracts:

- (a) where non-performance was not challenged by the contractor, including through referral to the dispute resolution mechanism under the respective contract, and
- (b) that were so challenged but fully settled against the contractor.

Non-performance shall not include contracts where Employer's decision was overruled by the dispute resolution mechanism. Moreover, non-performance must be based on all information on fully settled disputes or litigation, i.e. dispute or litigation that has been resolved in accordance with the dispute resolution mechanism under the respective contract and where all appeal instances available to the Applicant have been exhausted.

(ii) This requirement also applies to contracts executed by the Applicant as a JV member.

(iii) The Applicant shall provide accurate information on the related Application Form about any litigation resulting from contracts completed or ongoing under its execution over the last five (5) years. A consistent history of court orders against the Applicant or any member of a joint venture may result in failure of the Application.

### 3. Financial Situation and Capabilities

Eligibility and Qualification Criteria			Compliance Requirements				Documentation
No.	Factor	Requirement	Single Firm	Joint Venture (existing or intended)			Submission Requirements
				All Members Combined	Each Member	One Member	
3.1	Financial Performance	<p>The financial statements for the last <b>5 (Five) years</b> shall be submitted and must demonstrate the current soundness of the Applicant's financial position and indicate its prospective long-term profitability.</p> <p>As the minimum requirement, the applicant net worth calculated as the difference between total assets and total liabilities should be positive.</p>	Must meet requirement	N/A	Must meet requirement	N/A	Form FIN –1 with attachments
3.2	Average Annual Turnover	Minimum average annual turnover of <b>USD 62.16 million</b> , calculated as total certified payments received for contracts in progress and/ or completed, within the last 5 years, divided 5 years.	Must meet requirement	Must meet requirement	Must meet 50% of the requirement	Must meet 85% of the requirement	Form FIN –2
3.3	Financial Capabilities	The Applicant shall demonstrate, to the satisfaction of the Employer that it currently (as of the Application submission deadline), has access to, or has available, liquid assets, unencumbered real assets, lines of credit, and other financial means (independent of any contractual advance payment) sufficient to meet the construction cash flow requirements estimated as <b>USD 6.34 Million</b> for the subject contract(s) net of the Applicant's all other commitments, both current and future.	Must meet requirement	Must meet requirement	N/A	N/A	Form FIN –3 and FIN –4

## 4. Experience

Eligibility and Qualification Criteria				Compliance Requirements			Documentation
No.	Factor	Requirement	Single Firm	Joint Venture (existing or intended)			Submission Requirements
				All Members Combined	Each Member	One Member	
4.1	General Experience	Continuous experience under contracts in the role of prime contractor <sup>(i)</sup> (single firm or JV member) or subcontractor between 1 <sup>st</sup> February, 2020 and the Application submission deadline.	Must meet requirement	N/A	Must meet requirement	N/A	Form EXP –1
4.2	Specific Experience	<p>The Applicant should meet the following minimum eligibility criteria:</p> <p>a) Experience of having successfully completed<sup>(iii)</sup> works as a Prime contractor<sup>(i)</sup> (Single firm or JV firm)<sup>(iv)</sup> <b>during the last 10 years</b> ending the previous day to the last date of submission of Application. For this purpose, cost of work shall mean gross value of the completed work including cost of material supplied by the respective client but excluding those supplied by the client free of cost:</p> <p><b>i) Three similar completed works</b>, each cost not less than the amount equal to <b>USD. 13.32 Million<sup>(ii)</sup></b></p> <p><b>(OR)</b></p> <p><b>ii) Two similar completed works</b>, each cost not less than the</p>	Must meet requirement	Must meet requirement <sup>(v)</sup>	N/A	N/A	Form EXP –2(a) with attachment

Eligibility and Qualification Criteria				Compliance Requirements			Documentation
No.	Factor	Requirement	Single Firm	Joint Venture (existing or intended)			Submission Requirements
				All Members Combined	Each Member	One Member	
		<p>amount equal to <b>USD. 19.98 Million<sup>(ii)</sup></b></p> <p><b>(OR)</b></p> <p><b>iii) One similar completed works,</b> each cost not less than the amount equal to <b>USD. 26.32 Million<sup>(ii)</sup></b></p> <p><b>“Similar Work”</b> shall mean Construction of Non-Residential and Non-Industrial building Project(s) with minimum one work of at least Five storey building including work of specialized E&amp;M services of sub-station &amp; HVAC for Government Organizations/Semi Government Organizations of Central or State Government; or by Public Sector Undertakings/ Autonomous Bodies of Central/State Government or their subsidiaries. For this purpose each basement, stilt constructed with the building shall be construed as a storey. Machine room and mumty shall not be counted as a storey.</p> <p><b>AND</b></p> <p><b>iv) The Applicant should have satisfactorily completed one Hospital Project of minimum 210</b></p>					



Eligibility and Qualification Criteria				Compliance Requirements			Documentation
No.	Factor	Requirement	Single Firm	Joint Venture (existing or intended)			Submission Requirements
				All Members Combined	Each Member	One Member	
		<b>beds</b> , RCC framed structure including finishing works, water supply and sanitary installations, electrical works, fire-fighting, LV works and HVAC all composite executed under one contract for Government Organizations/Semi Government Organizations of Central or State Government; or by Public Sector Undertakings/ Autonomous Bodies of Central/State Government or their subsidiaries.					
		(b) <b>NOT APPLICABLE</b>	N/A	N/A	N/A	N/A	N/A

Notes for the Applicants

- (i) For the purposes of this criterion, a 'management contractor' is also considered as a prime contractor. A firm which takes on the role of contract management is referred herein as 'management contractor'. A management contractor does not normally perform directly the construction work(s) associated with the contract. Rather, it manages the work of other (sub) contractors while bearing full responsibility and risk for price, quality, and timely performance of the work contract.
- (ii) Summation of number of small value contracts (less than the value specified under requirement) to meet the overall requirement will not be accepted.
- (iii) Completion shall be evidenced by submission of copy of end-user certificates such as Taking-over Certificates and Completion Certificates as required to be submitted as attachment to Form EXP-2(a) or Form EXP-2(b) of Section IV, Application Forms.
- (iv) For contracts under which the Applicant participated as a JV member, only the Applicant's share, by value, shall be considered to meet this requirement.
- (v) In case of a JV, the value of contracts completed by its members shall not be aggregated to determine whether the requirement of the minimum value of a single contract has been met. Instead, each contract performed by each member shall satisfy the minimum value of a single contract as required for single entity. In determining whether the JV meets the requirement of total number of contracts, only the number of contracts completed by all members, each of value equal or more than the minimum value required, shall be aggregated.

## **Section IV. Application Forms**

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***[Prepare this Application Submission Form on stationery with its letterhead clearly showing the Applicant's complete name and business address.]***

## **Application Submission Form**

Date : *[insert date of Application submission]*

IFP No. : *[insert Invitation for Prequalification number]*

Project : *[insert name of Project]*

Contract : *[insert name of Contract]*

To: *[insert full name of Employer]*

We, the undersigned, apply to be prequalified for the contract of referenced number and declare that:

- (a) We, have examined and have no reservations to the Prequalification Document, including addenda issued in accordance with Instructions to Applicants (ITA) 7: *[insert the number and issuing date of each Addendum]*
- (b) We, including subcontractor, meet the eligibility requirements as stated in ITA 4.
- (c) We, including subcontractor, have no conflict of interest in accordance with ITA 4.
- (d) We, understand that you may cancel the prequalification process at any time and that you are neither bound to accept any Application that you may receive nor to invite the prequalified Applicants to bid for the contract, in respect of which this prequalification is conducted, without incurring any liability to the Applicants, in accordance with ITA 23.
- (e) We, hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in any type of fraud or corruption.

Name of the Applicant<sup>1</sup> *[insert complete name of person signing the Application]*

Name of the person duly authorized to sign the Application on behalf of the Applicant<sup>2</sup> *[insert complete name of person duly authorized to sign the Application]*

Title of the person signing the Application *[insert complete title of the person signing the Application]*

Signature of the person named above *[insert signature of person whose name and capacity are shown above]*

Date signed *[insert date of signing]* day of *[insert month]*, *[insert year]*

Notes for the Applicants

1. In the case of the Application submitted by a joint venture, specify the name of the Joint Venture as Applicant.
2. Person signing the Application shall have the Power of Attorney given by the Applicant to be included in the Application.

## Schedule of Subcontractors

*[The Applicant shall list below, the specialized subcontractors (if any) proposed to be used by the Applicant for the execution of the key activities listed in Section III, Qualification Criteria, Sub-Factor 4.2(b), in accordance with Section I, Instruction to Applicants, Item 1. The completed Schedule as updated during the bidding stage, once accepted by the Employer, will be a contract document in accordance with the Contract Agreement. Some subcontractors shall not be listed in this Schedule.]*

No.	Key Activity	Subcontractor	
		Name	Nationality

## Form ELI -1: Applicant Information Form

Date: *[insert day, month, year]*IFP No.: *[insert number]*Page *[insert page number]* of *[insert total number]* pages

*[Applicants shall provide the following information. The documents listed/ stated as required shall be submitted as attachments hereto.]*

Applicant's legal name: <i>[insert full name]</i>
In case of a JV, legal name of the representative member and of each member: <i>[insert full name of each member in the JV and specify the representative member.]</i>
Applicant's actual or intended country of registration: <i>[insert country of registration]</i>
Applicant's actual or intended year of incorporation: <i>[insert year of incorporation]</i>
Applicant's legal address in country of registration: <i>[insert mailing address]</i>
Applicant's authorized representative information Name: <i>[insert full name]</i> Address: <i>[insert mailing address]</i> Telephone/Fax numbers: <i>[insert telephone/fax numbers, including country and city codes]</i> Email address: <i>[insert email address]</i>
1. Attached are copies of original documents of Articles of Incorporation (or equivalent documents of constitution or association), and/or documents of registration of the legal entity named above.  2. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.

## Form ELI -2: JV Member Information Form

Date: *[insert day, month, year]*IFP No.: *[insert number]*Page *[insert page number]* of *[insert total number]* pages

*[The following form is additional to Form ELI-1, and shall be completed to provide information relating to each JV member, in case if the Applicant is a JV. The documents listed/ stated as required shall be submitted as attachments hereto.]*

Applicant's legal name: <i>[insert full name]</i>
JV Member's legal name: <i>[insert full name of Applicant's party]</i>
JV Member's country of registration: <i>[insert country of registration]</i>
JV Member's year of incorporation: <i>[insert year of incorporation]</i>
JV Member's legal address in country of registration: <i>[insert mailing address]</i>
JV Member's authorized representative information Name: <i>[insert full name]</i> Address: <i>[insert mailing address]</i> Telephone/Fax numbers: <i>[insert telephone/fax numbers, including country and city codes]</i> Email address: <i>[insert email address]</i>
1. Attached are copies of original documents of Articles of Incorporation (or equivalent documents of constitution or association), and/or registration documents of the legal entity named above. 2. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.



## Form ELI -3: Subcontractor Information Form

Date: [insert day, month, year]

IFP No.: [insert number]

Page [insert page number] of [insert total number] pages

[The following form is additional to Form ELI-1 and ELI-2 (if applicable), and shall be completed to provide information relating to the specialized subcontractor (if any) proposed to be used by the Applicant for the execution of the key activities listed in Section III, Qualification Criteria, Sub-Factor 4.2(b). The documents listed/ stated as required shall be submitted as attachments hereto.]

Applicant's legal name: [insert full name]
Subcontractor's legal name: [insert full name of Subcontractor's party]
Subcontractor's country of registration: [insert country of registration]
Subcontractor's year of incorporation: [insert year of incorporation]
Subcontractor's legal address in country of registration: [insert mailing address]
Subcontractor's contact representative information Name: [insert full name] Address: [insert mailing address] Telephone/Fax numbers: [insert telephone/fax numbers, including country and city codes] Email address: [insert email address]
<ol style="list-style-type: none"> <li>1. Attached are copies of original documents of Articles of Incorporation (or equivalent documents of constitution or association), and/or registration documents of the legal entity named above.</li> <li>2. Included are the organizational chart, a list of Board of Directors, and the beneficial ownership.</li> </ol>

## Form CON: Historical Contract Non-Performance and Litigation

[The following table shall be filled in for the Applicant, and for each JV member if the Applicant is a JV.]

Date: [insert day, month, year]

Applicant's Legal Name: [insert full name]

JV Member's Legal Name: [insert full name]

IFP No.: [insert number]

Page [insert page number] of [insert total number] pages

### 1. History of Non-Performing Contracts

Non-Performing Contracts			
<p>In accordance with Section III, Qualification Criteria, Sub-Factor 2.1, since 1<sup>st</sup> January 2020</p> <p>[The Applicant shall indicate the applicable wording below by checking the appropriate box.]</p> <p><input type="checkbox"/> contract non-performance did not occur.</p> <p><input type="checkbox"/> contract non-performance occurred as indicated below:</p>			
Year	Non- performed portion of contract	Contract Identification	Total Contract Amount
[insert year]	[insert amount and percentage]	<ul style="list-style-type: none"> <li>Contract Identification: [insert complete contract name, number, and any other identification]</li> <li>Name of Employer: [insert full name]</li> <li>Address of Employer: [insert mailing address]</li> <li>Telephone/Fax numbers: [insert telephone/fax numbers, including country and city codes]</li> <li>Email address: [insert email address]</li> <li>Reason(s) for non-performance: [indicate main reason(s)]</li> </ul>	[insert current value, currency, exchange rate and USD equivalent]

## 2. Pending Litigation

Pending Litigation				
<p>In accordance with Section III, Qualification Criteria, Sub-Factor 2.2:</p> <p>[The Applicant shall choose the relevant wording below by checking the appropriate box.]</p> <p><input type="checkbox"/> there is no pending litigation involving the Applicant.</p> <p><input type="checkbox"/> there is pending litigation involving the Applicant as indicated below:</p>				
Year of dispute	Amount in dispute (currency)	Outcome as Percentage of Net Worth	Contract Identification	Total Contract Amount
[insert year]	[insert amount]	[insert percentage]	<ul style="list-style-type: none"> <li>Contract Identification: [indicate complete contract name, number, and any other identification]</li> <li>Name of Employer: [insert full name]</li> <li>Address of Employer: [insert mailing address]</li> <li>Telephone/Fax numbers: [insert telephone/fax numbers, including country and city codes]</li> <li>Email address: [insert email address]</li> <li>Party who initiated Litigation: [indicate "Employer" or "Contractor"]</li> <li>Matter in dispute: [indicate main issues in dispute]</li> </ul>	[insert current value, currency, exchange rate and USD equivalent]

### 3. Litigation History

Litigation History		
<p>In accordance with Section III, Qualification Criteria, Sub-Factor 2.3, since 1<sup>st</sup> January 2020:  <i>[The Applicant shall choose the relevant wording below by checking the appropriate box.]</i></p> <p><input type="checkbox"/> there are no court orders against the Applicant.</p> <p><input type="checkbox"/> there are court orders against the Applicant as indicated below:</p>		
Year of award	Contract Identification	Total Contract Amount
[insert year]	<ul style="list-style-type: none"> <li>Contract Identification: <i>[indicate complete contract name, number, and any other identification]</i></li> <li>Name of Employer: <i>[insert full name]</i></li> <li>Address of Employer: <i>[insert mailing address]</i></li> <li>Telephone/Fax numbers: <i>[insert telephone/fax numbers, including country and city codes]</i></li> <li>Email address: <i>[insert email address]</i></li> <li>Matter in dispute: <i>[indicate main issues in dispute]</i></li> <li>Party who initiated litigation: <i>[indicate "Employer" or "Contractor"]</i></li> <li>Abstract of the Court Order: <i>[state concisely the court order concerning main issues in dispute]</i></li> </ul>	<i>[insert current value, currency, exchange rate and USD equivalent]</i>

## Form FIN -1: Financial Situation

*[The following table shall be filled in for the Applicant, and for each JV member if the Applicant is a JV. The documents listed/ stated as required shall be submitted as attachments hereto.]*

Date: *[insert day, month, year]*

Applicant's Legal Name: *[insert full name]*

JV Member's Legal Name: *[insert full name]*

IFP No.: *[insert number]*

Page *[insert page number]* of *[insert total number]* page

### 1. Financial data

Type of Financial information in (currency)	Historic information for previous <i>[insert number]</i> years (amount in currency, currency, exchange rate, USD equivalent)				
	Year 1	Year 2	Year 3	Year 4	Year 5
<b>Information from Balance Sheet</b>					
Total Assets (TA)					
Total Liabilities (TL)					
Net Worth (NW)					
Current Assets (CA)					
Current Liabilities (CL)					
Working Capital (WC)					
<b>Information from Income Statement</b>					
Total Revenue (TR)					
Profits Before Taxes (PBT)					
Profits After Taxes (PAT)					
<b>Information from Cash Flow Statement</b>					
Cash Flow from Operating Activities					

## **2. Financial documents**

The Applicant and its parties shall provide copies of the financial statements<sup>1</sup> for the number of years indicated in Section III, Qualification Criteria Sub-Factor 3.1. The financial statements shall:

- (a) reflect the financial situation of the legal entity(ies) comprising the Applicant, and not of the affiliated entities (such as parent company(ies), group companies or subsidiaries) of the Applicant unless they are parties to the Applicant under a JV in accordance with ITA 4.1.
- (b) be independently audited or certified in accordance with local legislation.
- (c) be complete, including all notes to the financial statements.
- (d) correspond to accounting periods already completed and audited.

Attached herewith are copies of financial statements for the number of years required above, and complying with the requirements.

### Notes for the Applicants

1. If the most recent set of financial statements is for a period earlier than 12 months from the date of the Application Submission, the reason for this should be justified.

## Form FIN - 2: Average Annual Turnover

[The following table shall be filled in for the Applicant, and for each JV member if the Applicant is a JV.]

Date: [insert day, month, year]

Applicant's Legal Name: [insert full name]

JV Member's Legal Name: [insert full name]

IFP No.: [insert number]

Page [insert page number] of [insert total number] pages

Annual Turnover Data			
Year	Amount and Currency	Exchange Rate	USD equivalent
[indicate year]	[insert amount and indicate currency]	[insert applicable exchange rate]	[insert amount in USD equivalent]
Average Annual Turnover <sup>1</sup>			

### Notes for the Applicants

1. Total USD equivalent for all years divided by the total number of years, in accordance with Section III, Qualification Criteria, Sub-Factor 3.2.

## Form FIN - 3: Financial Resources

*[The following table shall be filled in for the Applicant and for each JV member if the Applicant is a JV.]*

Date: *[insert day, month, year]*

Applicant's Legal Name: *[insert full name]*

JV Member's Legal Name: *[insert full name]*

IFP No.: *[insert number]*

Page *[insert page number]* of *[insert total number]* pages

*[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 construction cash flow demands of the subject contract or contracts as specified in Section III, Qualification Criteria, Sub-Factor 3.3.]*

Financial Resources		
No.	Source of financing <sup>1</sup>	Amount (USD equivalent)
1		
2		
3		

### Notes for the Applicants

1. Sources of financing may include working capital (to be taken from FIN-1), Credit Line (to be substantiated by a letter from the bank issuing the line of credit), etc.



## Form FIN - 4: Current Contract Commitments

*[The following table shall be filled in for the Applicant, and for each JV member if the Applicant is a JV.]*

Date: *[insert day, month, year]*

Applicant's Legal Name: *[insert full name]*

JV Member's Legal Name: *[insert full name]*

IFP No. *[insert number]*

Page *[insert page number]* of *[insert total number]* page

*[The Applicant and each member 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 Taking-over Certificate/ Completion Certificate has yet to be issued, in accordance with Section III, Qualification Criteria, Sub-Factor 3.3.]*

Current Contract Commitments						
No.	Name of Contract	Employer's Mailing Address, Tel, Fax.	Value of Outstanding Work [Current USD Equivalent]	Commencement Date	Estimated Completion Date	Average Monthly Invoicing Over Last Six Months [USD/month]
1						
2						
3						
4						
5						

## Form EXP -1: General Experience

*[The following table shall be filled in for the Applicant, and for each JV member if the Applicant is a JV.]*

Date: *[insert day, month, year]*

Applicant's Legal Name: *[insert full name]*

JV Member's Legal Name: *[insert full name]*

IFP No.: *[insert number]*

Page *[insert page number]* of *[insert total number]* pages

*[The Applicant shall identify contracts that demonstrate continuous experience pursuant to Section III, Qualification Criteria, Sub-Factor 4.1 and list contracts chronologically, according to their commencement (starting) dates.]*

General Experience			
Starting Year	Ending Year	Contract Identification	Role of Applicant
<i>[indicate year]</i>	<i>[indicate year]</i>	<ul style="list-style-type: none"> <li>Contract name: <i>[insert full name]</i></li> <li>Brief description of the Contract performed by the Applicant: <i>[describe Contract performed briefly]</i></li> <li>Amount of contract: <i>[insert amount in currency, mention currency used, exchange rate and USD equivalent]</i></li> <li>Name of Employer: <i>[insert full name]</i></li> <li>Address: <i>[insert mailing address]</i></li> </ul>	<i>[insert "Prime Contractor (single entity or JV member)" or "Subcontractor"]</i>

## Form EXP -2(a): Specific Experience

*[The following table shall be filled in for the Applicant, and for each JV member if the Applicant is a JV. The documents listed/ stated as required shall be submitted as attachments hereto.]*

Date: *[insert day, month, year]*

Applicant's Legal Name: *[insert full name]*

JV Member's Legal Name: *[insert full name]*

IFP No.: *[insert number]*

Page *[insert page number]* of *[insert total number]* pages

*[The Applicant shall fill out one (1) form per contract, in accordance with Section III, Qualification Criteria, Sub-Factor 4.2(a).]*

Contract of Similar Size and Nature			
Similar Contract No.	Information		
<i>[insert number] of [insert number of similar contracts required]</i>			
Contract Identification	<i>[insert contract name and reference identification number, if applicable]</i>		
Award Date	<i>[insert day, month, year, e.g., 15 June 2015]</i>		
Completion Date	<i>[insert day, month, year, e.g., 03 October 2017]</i>		
Role in Contract <i>[check the appropriate box]</i>	Prime Contractor		
	Single entity <input type="checkbox"/>	JV member <input type="checkbox"/>	
Total Contract Amount	<i>[insert total contract amount and currency(ies)]</i>	USD <i>[insert exchange rate and total contract amount in USD equivalent]</i>	
If member in a JV, specify participation in total Contract amount	<i>[insert percentage participation]</i>	<i>[insert total contract amount and currency(ies)]</i>	USD <i>[insert exchange rate and total contract amount in USD equivalent]</i>
	<i>[describe participation in JV and work performed]</i>		
Employer's Name:	<i>[insert full name]</i>		
Address:	<i>[Insert mailing address]</i>		

<b>Contract of Similar Size and Nature</b>	
<b>Similar Contract No.</b>	<b>Information</b>
[insert number] of [insert number of similar contracts required]	
Telephone/fax number	[insert telephone/fax numbers, including country and city area codes]
Email:	[insert email address, if available]
Description of the similarity in accordance with Sub-Factor 4.2(a) of Section III:	
1. Physical Size of Required items	[insert physical size of items]
2. Complexity	[insert description of complexity]
3. Construction Methods/ Technology	[insert specific aspects of the methods/ technology involved in the contract]
4. Other Characteristics	[insert other characteristics as described in Section VI, Works Requirements]
<p>Attached herewith are the copies of originals of:</p> <p>(a) abstracts of contract documents, JV Agreements, etc. evidencing that the size and nature of the above-mentioned contract meets the requirements specified in Section III, Qualification Criteria, Sub-Factor 4.2(a).</p> <p>(b) the end-user certificate(s) (i.e. Taking-over Certificate(s)/ Completion Certificate(s)), evidencing that the contract above-mentioned contract has been successfully completed.</p>	

## Form EXP -2(b): Experience in Key Activities

Date: [insert day, month, year]

Applicant's Legal Name: [insert full name]

IFP No.: [insert number]

Page [insert page number] of [insert total number] pages

### 1. Summary of Key Activities

[Fill out if the Applicant is a Single Firm /JV or proposes specialized subcontractors for the execution of any of the key activities.]

Summary of Single Firm / JV Member / Subcontractor for Key Activities		
Key Activity		Single Firm / JV Member / Subcontractor
No	Description	
1	[insert name of Activity No. 1]	[insert full name(s) of Single Firm / JV Member(s) / Subcontractor(s)] (i) _____ (ii) _____ (iii) _____
2	[insert name of Activity No. 2]	[insert full name(s) of Single Firm / JV Member(s) / Subcontractor(s)] (i) _____ (ii) _____ (iii) _____
3	[insert name of Activity No. 3]	[insert full name(s) of Single Firm / JV Member(s) / Subcontractor(s)] (i) _____ (ii) _____ (iii) _____
4	[insert name of Activity No. 4]	[insert full name(s) of Single Firm / JV Member(s) / Subcontractor(s)] (i) _____ (ii) _____ (iii) _____
etc.	_____	_____

## 2. Contract Information

### Key Activity No (1): *[insert name of Key Activity]*

*[Fill out one (1) form per contracts performed by the Applicant Single Firm / JV member / specialized subcontractor as listed in the Summary of Key Activities above in accordance with Section III, Qualification Criteria, Sub-Factor 4.2(b). The documents listed/ stated as required shall be submitted as attachments hereto.]*

(i) *[insert full name of Single Firm /JV Member's /Subcontractor's Legal Name]*

Contract with Similar Key Activities	
Item	Information
Contract Identification	<i>[insert contract name and number, if applicable]</i>
Award Date	<i>[insert day, month, year, e.g., 15 June 2011]</i>
Completion Date	<i>[insert day, month, year, e.g., 03 October 2011]</i>
Role in Contract <i>[check the appropriate box]</i>	Prime Contractor <input type="checkbox"/> Subcontractor <input type="checkbox"/> Single entity <input type="checkbox"/> JV member <input type="checkbox"/>
Total Contract Amount	<i>[insert total contract amount in USD]</i> <i>[insert exchange rate and total contract amount in USD equivalent]</i> <i>[insert brief description of the Activity No. (1)]</i> <i>[describe briefly how the corresponding minimum requirement is met]</i>
Employer's	<i>[insert full name]</i>
Address:	<i>[insert mailing address]</i>
Telephone/fax number	<i>[insert telephone/fax numbers, including country and city area codes]</i>
Email:	<i>[insert email address, if available]</i>
Attached herewith are the copies of originals of:	
(a) abstracts of contract documents, sub-contract agreements, JV Agreements, etc. evidencing that the	

Contract with Similar Key Activities	
	above activity meets the criteria specified in Section III, Qualification Criteria, Sub-Factor 4.2(b).
(b)	the end-user certificate(s) (i.e. Taking-over Certificate(s)/ Completion Certificate(s)) for the above-mentioned contract, evidencing that the above activity has been successfully completed out.

(ii) *[insert full name of Single Firm /JV Member's /Subcontractor's Legal Name]*

(iii) *[insert full name of Single Firm /JV Member's /Subcontractor's Legal Name]*

**Key Activity No. (2):**

**Key Activity No. (3):**

NOT APPLICABLE

## Form ACK

### Acknowledgement of Compliance with Guidelines for Procurement under Japanese ODA Loans

A) I, *[insert name and position of authorized signatory]*, being duly authorized by *[insert name of Applicant/members of joint venture ("JV")]* (hereinafter referred to as the "Applicant") to execute this Acknowledgement of Compliance with Guidelines for Procurement under Japanese ODA Loans, hereby certify on behalf of the Applicant and myself that:

- (i) all information provided in the Application submitted by the Applicant and its subcontractors for *[insert name of the Project, and name, number and identification of lot(s) (contracts(s)) as stated in PDS 1.1]* is true, correct and accurate to the best of the Applicant's and my knowledge and belief; and
- (ii) the Applicant or any of its subcontractors has not, directly or indirectly, taken any action which is or constitutes a corrupt or fraudulent practice and is not subject to any conflict of interest as stipulated in the relevant section of the Guidelines.

*<If debarment for more than one year by the World Bank Group is NOT imposed, use the following sentence B).>*

B) I certify that the Applicant has NOT been debarred by the World Bank Group for more than one year since the date of issuance of Invitation for Prequalification.

*<If debarment for more than one year by the World Bank Group has been imposed BUT three (3) years have passed since the date of such debarment decision, use the following sentence B').>*

B') I certify that the Applicant has been debarred by the World Bank Group for a period more than one year BUT that on the date of issuance of Invitation for Prequalification at least three (3) years had passed since the date of such debarment decision. Details of the debarment are as follows:

name of the debarred firm	starting date of debarment	ending date of debarment	reason for debarment

C) I certify that the Applicant will not enter into a subcontract with a firm which has been debarred by the World Bank Group for a period more than one year, unless on the date of the subcontract at least three (3) years have passed since the date of such debarment decision.



- D) I certify, on behalf of the Applicant and its subcontractors, that if selected to undertake services in connection with the contract, the Applicant and its subcontractors shall carry out such services in continuing compliance with the terms and conditions of the Guidelines.
- E) I further certify, on behalf of the Applicant and its subcontractors, that if the Applicant or any of its subcontractors is requested, directly or indirectly, to engage in any corrupt or fraudulent practice under any applicable law, such as the payment of a rebate, at any time during a process of public procurement, negotiations, execution or implementation of contract (including amendment thereof), the Applicant shall report all relevant facts regarding such request to the relevant section in JICA (details of which are specified below) in a timely manner.

JICA's information desk on fraud and corruption (A report can be made to either of the offices identified below.)

- (1) JICA Headquarters: Legal Affairs Division, General Affairs Department

URL: <https://forms.office.com/r/7n9Z2c4fAR>

Tel: +81 (0)3 5226 8850

- (2) JICA India office

16th Floor, Hindustan Times Building,

18-20, Kasturba Gandhi Marg

New Delhi - 110001, India.

Tel: +91-11-4909-7000

The Applicant acknowledges and agrees that the reporting obligation stated above shall NOT in any way affect the Applicant's responsibilities, obligations or rights, under relevant laws, regulations, contracts, guidelines or otherwise, to disclose or report such request or other information to any other person(s) or to take any other action, required to or allowed to, be taken by the Applicant. The Applicant further acknowledges and agrees that JICA is not involved in or responsible for the procurement process in any way.

- F) If any of the statements made herein is subsequently proven to be untrue or incorrect based on facts subsequently determined, or if any of the warranties or covenants made herein is not complied with, the Applicant will accept, comply with, and not object to any remedies taken by the Employer and any sanctions imposed by or actions taken by JICA.

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**Authorized Signatory**

*[insert name of signatory; title]*

**For and on behalf of**

*[insert name of the Applicant]*

Date: *[insert date]*

## **Section V. Eligible Source Countries of Japanese ODA Loans**

All Countries and areas are eligible

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## **PART 2 – WORKS REQUIREMENTS**

## **Section VI. Works Requirements**

**Contents**

WR

1. Description of the Works ..... 3

2. Work Execution Period..... 8

3. Site and Other Data..... 9

# 1.Description of the Works

## i) Introduction

The President of India has received a loan from the Japan International Cooperation Agency (JICA) to finance a Project for the Establishment of Mizoram State Super-Specialty Cancer and Research Centre at Mizoram.

Project aims to contribute to improving the access of the poor to quality medical services, developing high-quality medical personnel, and providing human resources in the region, thereby contributing to the realization of universal health coverage in India. The project will comprise of a Hospital zone, and Residential zone along with the service and utilities for the different zones. The subject project (for which this PQ document is issued) is Construction of Buildings and Site Development for Establishment of Mizoram State Super-Specialty Cancer and Research Centre at Mizoram.

M/s. Mukesh & Associates, India (Lead Member) JV with Oriental Consultants Global Co., Ltd Consortium has been appointed as Design and Supervision Consultant for Setting-up of Establishment of Mizoram State Super-Specialty Cancer and Research Centre at Mizoram.

Establishment of Mizoram State Super-Specialty Cancer and Research Centre at Mizoram has signed a contract agreement with the Consortium for preparation of concept designs, detailed designing, engineering, assistance in procurement & construction supervision for this Project.

The project is to be executed by Establishment of Mizoram State Super-Specialty Cancer and Research Centre at Mizoram. (Procurement & Construction) on Item rate contract basis wherein after award of work the Contractor shall be responsible for complete procurement and construction of the project.

MSSSCRC is having a running hospital on site, which consists of 50 beds, 2 no. of operation theaters, LINAC Block & OPD. MSSSCRC plans to construct a new hospital block as a Cancer Super Specialty Hospital. The terrain is hilly, with steep slopes, requiring additional safety precautions during construction to avoid landslides, especially during monsoon. The proposed construction consists of 4 LG + G +4 floors Hospital block,

<b>Name of the Floor</b>	<b>Area in Sqm</b>
Lower Ground Floor 4	= 1,452.00
Lower Ground Floor 3	= 2,188.00
Lower Ground Floor 2	= 3,045.00

Lower Ground Floor 1	=	3,628.00
Ground Floor	=	3,659.00
First Floor	=	2,966.00
Second Floor	=	3,360.00
Third Floor	=	3,222.00
Fourth Floor	=	2,365.00
Terrace Floor	=	667.00
Total Area	=	26,552.00

Nuclear medicine block 1612.00 sqm, residential blocks, external development like roads, retaining walls including MEP, Lifts, Escalators, Medical gas pipeline, etc.

## **ii) Site Analysis**

### **Location and Description:**

The Establishment of Mizoram State Super-Specialty Cancer and Research Centre at Mizoram project site, which has an area of 9.57 acres (38728.42 sqm.), is administratively located in the Aizawl District, Mizoram.

The project site is located at Zembawak, Aizawl, Mizoram State. It is easily accessed through National Highway (NH-306) connecting Silchar to Aizawl which is passing about 0.5 km north.

### **Proposed Site and Area for Development:**

The project is proposed in the land extent of about 38728.42 sqm. (9.57 Acres) with approx. built-up area of 32046.00 sqm.

The summary of facilities is as follows.

S. No	Name of the Building as per present proposal	Hospital Construction Area as per present Proposal	No. of Beds as per Client Requirement
1.	MSSSCRC Block	26,552 Sq.m	210 Beds
1.	Nuclear Medicine Block	1612 Sq.m	
2.	Quarters	3338 Sq.m	
3.	Connecting Corridor	156 Sq.m	
4.	Service Block for MSSSCRC Block	238 Sq.m	
5.	Service Block for Nuclear Medicine Block	150 Sq.m	

**Notes:**

1. The number of floors may change depending on final design. Stilt floors may be provided in quarters.
2. Built-up area given is indicative for approved facilities only and may change subject to final design.
3. Subject to approval.

**iii) Scope of Work:****Civil works including Earth works and MEP works:****1. Civil works:**

- RCC work for open/raft Foundations, Columns, Beams, Slabs and Staircase with various grades of concrete.
- The Floor & Wall plan for Advanced Medical Equipment as per AERB guidelines as mentioned below.

**❖ Nuclear Medicine block:**

- PET/SPECT & Cyclotron Blocks (Should be made of Concrete)
  - All Wall & Partitions of Thickness: 9” Brick/ 6” Concrete (1.2 m)
  - Room sizes as per floor plan.

**❖ MAIN BLOCK(MSSSCRC):**

- Diagnostic Imaging Department (all wall & Floor thickness)
  - CT Scan – 23 cm/ 9” bricks with 2mm lead of double door.
  - MRI Scan - 23 cm/ 9” bricks with 2mm glass door in console (120 cm x 100 cm).
  - Mammography – 23 cm/ 9” bricks with 2mm lead of double door.
  - X-ray Unit - 23 cm/ 9” bricks with 2mm lead of double door.



- PT beams/slabs
- Structural steel works / Pre-engineered steel works
- Reinforcements of Fe-500D steel bars may be uncoated or coated with epoxy or with approved protective coatings as per specifications.
- Masonry works for the Main Walls and Partition Walls.
- Plastering, Painting and Flooring works as per the requirement and specifications.
- Various types of partitions with Particle boards, Glass, Aluminum and UPVC Laminated Puff Panels.
- False Ceilings as per the requirement and specifications.
- Miscellaneous architectural features

**2. Scope of Electrical Works:** The electrical scope includes Internal and External Electrifications for Lighting and other Medical equipments with all necessary Cablings, Panels, Inverters, UPS, etc.

**3. Scope of Water and Sanitary Works:** The scope includes Supply and installation of all internal and external plumbing works, sanitary fixtures, etc.

**4. Safety:** The scope includes Supply and installation complete system for Fire Fighting System, Smoke Detection System, Fire Alarm System, etc.

**5. Scope of Electro-Mechanical Works:** CCTV, Nurse Call Station, Solar Water Heater etc., and Supply and Installation of Lifts, Elevators, HVAC, etc.

**6. Site Development works:** Boundary Wall, CC Roads, Earth Filling, UG Water Tanks, Landscaping, etc.

**7. Others Special works:** STP, etc.

**8. Following items are not specifically included:**

- Ordinary Medical Equipment
- Advanced Medical Equipment
- Furniture
- ICT System for Hospital (HMIS)
- Other ICT System for Hospital and College
- ICT equipment/material, and installation

### **Environmental / Social Safeguards / Construction Safety:**

The construction contractor will be expected to strictly comply with environmental / social safeguards / construction safety standards of JICA. This is an important aspect to be noted by the Applicants. For more information, please visit website [/www.jica.go.jp/english/our\\_work/social\\_environmental/guideline/pdf/guideline100326](http://www.jica.go.jp/english/our_work/social_environmental/guideline/pdf/guideline100326)

**Major Components of the Works:**

<b>S. No</b>	<b>Description of Item</b>
1	Open foundation
2	Concrete
3 a	Reinforcement
3 b	Post tension slab
3 c	Mivan construction technology1
4	Masonry Work
5	Tiling: Vitrified
6	Tiling: Ceramic
7	Tiling: Granite
8	Vinyl flooring
9	False Ceiling
10	UPVC /Ventilator/PPGI Windows
11	Galvanized Pressed Steel Door
12	SS handrails
13	Passenger cum Bed Lift
14	Road Work
15	External: Glazing Work
16	External: Stone/Brick/other Cladding
17	External: Aluminum & GRC Work
18	Compound Wall
19	Transformer of required capacity
20	DG Sets of required capacity
21	STP / ETP work
22	Preparation of shop drawings wherever applicable

**Note:**

1. Subject to approval.
2. The above-mentioned components are only for indicative purpose, actual components may vary upon final construction detailed drawings.

## **2. Work Execution Period**

The work execution period is 30 months & expected start date is 1<sup>st</sup> November 2025. The time is the essence and spirit of the contract, to be adhered by the Contractor.

During the period of construction, all parallel activities for obtaining services shall be carried out to avoid delays. The Contractor shall also cooperate and work along with the Equipment suppliers for installation of Equipment and allied works. Price adjustment clause is applicable as per JICA Norms.

### 3. Site and Other Data

**Geography:**

Mizoram State is located in the North-East Region (NER) of India, sharing national borders with the three states of Tripura, Assam and Manipur. It also shares international borders with Bangladesh to the west and Myanmar to the east.

**Climatic Conditions:**

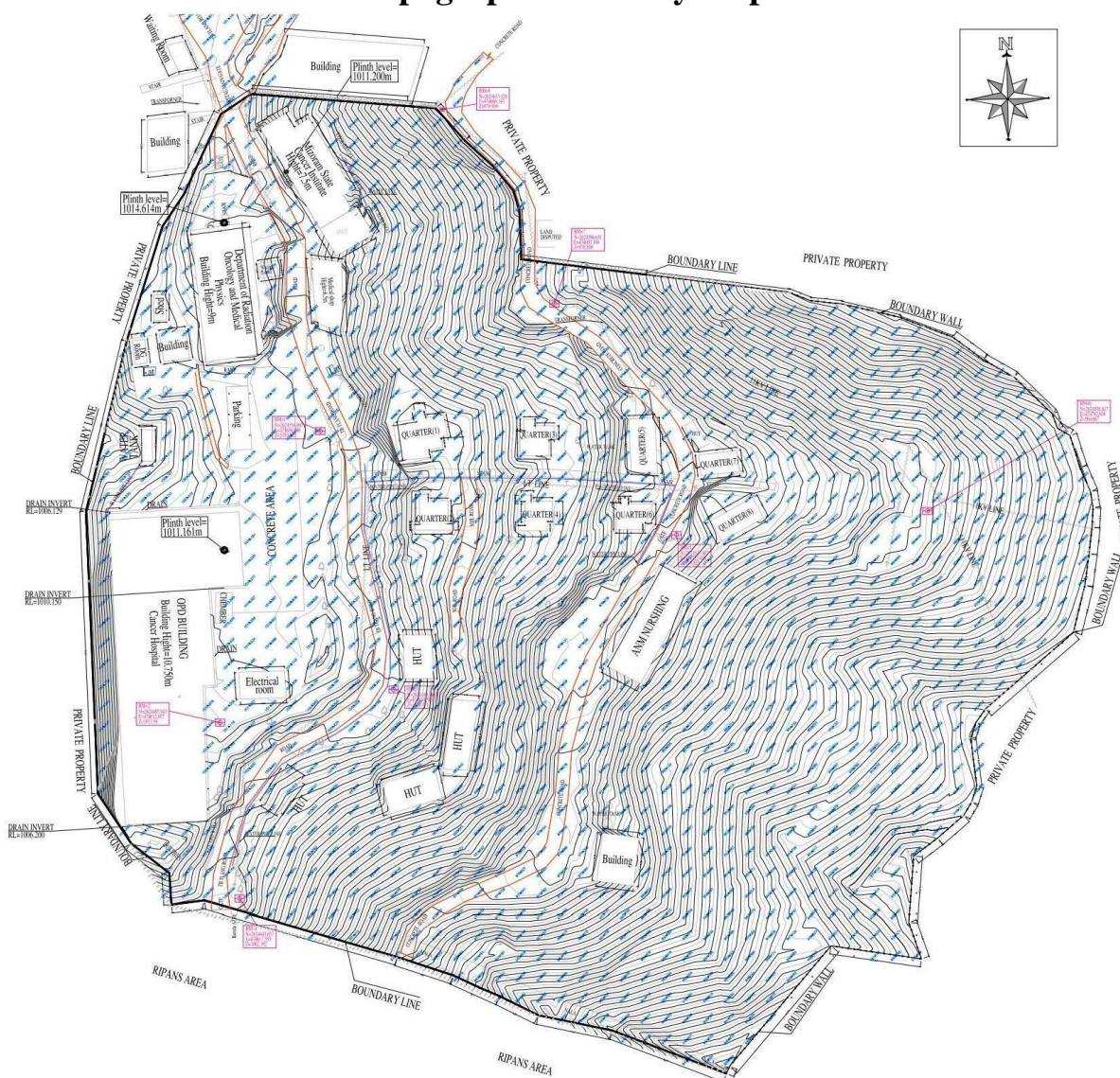
The climate of Mizoram State is mild. The highest temperature is around 30°C in summer, and the lowest is around 10°C in winter. Storms usually hit from April to May, and the rainy season follows from June to August for approximately three months a year.

**Topographical Features**

The MSCI is situated on a hilly terrain with steep slopes in some places. It is located in Zemabawk locality in Aizawl, the capital city of Mizoram. The campus is located 23°43'53"N 92°45'03"E and the elevation difference between the highest and lowest point within the site is approximately 30 meters. The site slopes from west to east. The site has a natural drainage in three different places. There are several trees in the site along the existing main road and in the vicinity of the Assam type buildings.

The topographical map of MSCI which shows contours, existing buildings and natural drainage lines.

## Topographical Survey Map



### Site analysis:

The Survey area is Aizawl [Area: 9.57 acres], especially within proposed project site and communities surrounding the study area. Administratively, the site is in Zembawak, Aizawl, Mizoram State. The Proposed project is specifically located on the Hill, adjacent to exiting Mizoram State Cancer Institute. Immediate neighbours to the project site is Regional Institute of Paramedical and Nursing Sciences (RIPANS). The project lies at GPS Coordinates 23°43'53"N 92°45'03"E, site can be easily accessed through National Highway (NH-306) connecting Silchar to Aizawl which is passing about 0.5 km north.

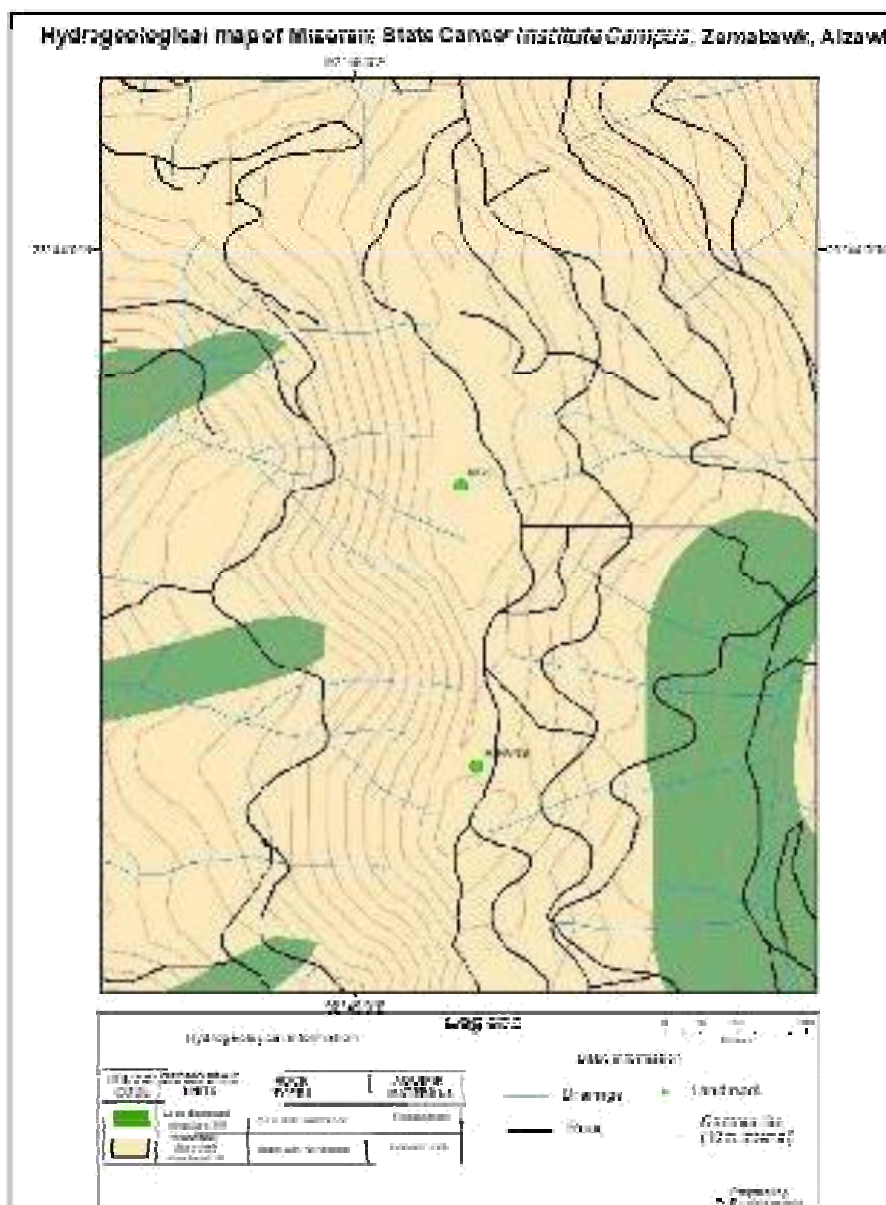
### Access to the Site:

Currently, there are no regular public transportation such as buses. Patients and staff access to MSCI by own vehicles, motorcycles, or shared vans.

## Geological Features

According to the Geological Survey of India (GSI), terrain in Mizoram State is an immature topography, and the physiographic expression consists of several longitudinal valleys (almost from north to south) containing series of small and flat hummocks, mostly anticlinal, parallel to sub-parallel hill ranges and narrow adjoining synclinal valleys with series of topographic highs

### Hydrogeological Map around MSCI



The general geology of western Mizoram State consists of repetitive succession of Neogene sedimentary rocks of the Surma Group and Tipam formation such as sandstone, siltstone, mudstone and rare pockets of shell limestone. The eastern part of Mizoram State falls in the Barail Group.

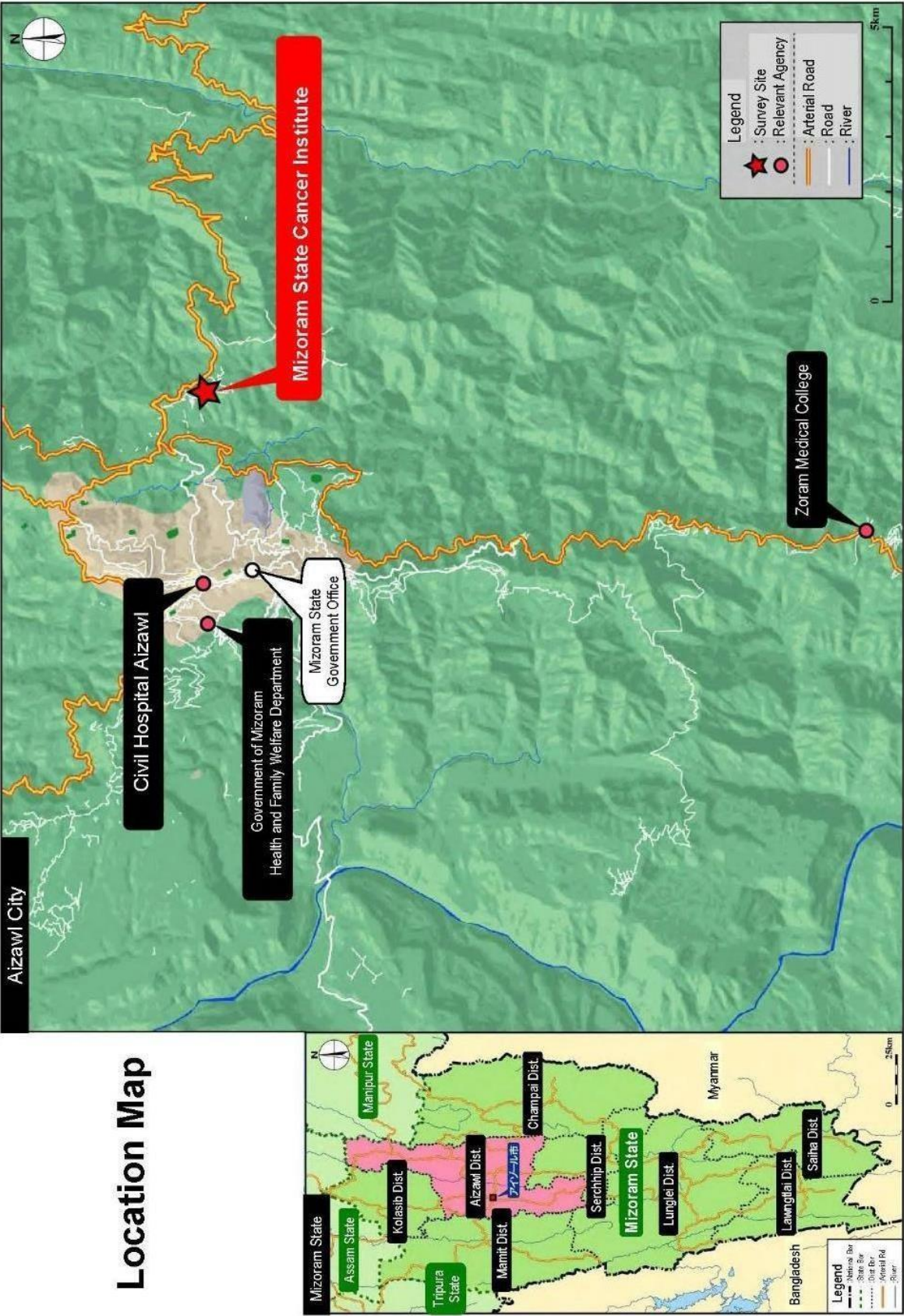
Mizoram State falls in Seismic Zone V, according to the Geological Survey of India; as with other north-eastern states of India, this means the state has the highest risk of earthquakes relative to other parts of India.

The site consists of semi consolidated rock which are having moderate infiltration rate of surface water (rainwater) into the sub-surface. The rock beds are dipping in the eastern direction (more or less  $90^0$ ) at an angle of almost  $50^0$ . The high inclination of rock beds causes sub-surface water to flow along the bedding rapidly causing the water to drain quickly and thereby causing the absence or limited presence of groundwater in the area. From geomorphological perspective, the area is in Moderately Dissected Structural Hill class which is the moderate to poor ground water potential zone. According to investigations carried out by the hydrology team, it was observed that certain amount of surface water may infiltrate into the sub-surface. The catchment area covering comprises built up land with road, barren yard, and buildings

Hydrology inventory was carried out by the Public Health Engineering Department, Government of Mizoram through detailed survey and by using satellite data. Drainage network was the main element observed in the area hydrologically. Micro-watershed was developed from a digital elevation model which results in a small polygon. This is then combined with a drainage system to provide crucial hydrological information. Natural drainage lines were identified by utilizing digital elevation model and detailed ground survey work. Drainages were plotted in a geographic information system (GIS) environment. Based on this analysis, it is observed that there are no natural drains passing through the project area.



Location Map





# MASTER LAYOUT

