



BIDDING DOCUMENT
for
Construction of Futsal Ground at Zemabawk
Mitla Mual

VOLUME-I
(Technical Bid)

Issued on : 4th December 2021
Invitation for Bids No : No. B. 11030/144 (Proc-Gen)/2018-ASCL/140
Package No : MIZ-AIZ-129A/FSG-ZM/13
Employer : AIZAWL SMART CITY LIMITED, AIZAWL
State : MIZORAM
Country : INDIA



Table of Contents - Summary Description

PART I BIDDING PROCEDURES

- Section 1 - Instructions to Bidders (ITB) ----- 1**
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.
- Section 2 - Bid Data Sheet (BDS) ----- 2**
This Section consists of provisions that are specific to each procurement and supplement the information or requirements included in Section 1 - Instructions to Bidders.
- Section 3 - Evaluation and Qualification Criteria (EQC) ----- 3**
This Section contains the criteria to determine the lowest evaluated bid and the qualifications of the Bidder to perform the contract.
- Section 4 - Bidding Forms (BDF) ----- 4**
This Section contains the forms which are to be completed by the Bidder and submitted as part of his Bid.

PART II REQUIREMENTS

- Section 5 - Employer's Requirements (ERQ) ----- 5**
This Section contains the Specification, the Drawings, Supplementary Information that describe the Works to be procured, the Personnel Requirements, and the Equipment Requirements.

PART III CONDITIONS OF CONTRACT AND CONTRACT FORMS

- Section 6 - General Conditions of Contract (GCC) ----- 6**
This Section contains the general clauses to be applied in all contracts. These Conditions are subject to the variations and additions set out in Section 8 (Particular Conditions of Contract).
- Section 7 - Particular Conditions of Contract (PCC) ----- 7**
This Section contains provisions which are specific to each contract and which modify or supplement the GCC. Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.
- Section 8 - Contract Forms (COF) ----- 8**
This Section contains forms, which, once completed, will form part of the Contract. The forms for Performance Security and Advance Payment Security, when required, shall only be completed by the successful Bidder after contract award.

Section 1 - Instructions to Bidders

Table of Clauses

A. General	3
1. Scope of Bid.....	3
2. Fraud and Corruption.....	3
3. Eligible Bidders	4
B. Contents of Bidding Document	4
4. Sections of Bidding Document.....	4
5. Clarification of Bidding Document, Site Visit, Pre-Bid Meeting.....	5
6. Amendment of Bidding Document	6
C. Preparation of Bids	6
7. Cost of Bidding.....	6
8. Language of Bid.....	6
9. Documents Comprising the Bid	6
10. Letters of Bid, and Schedules	7
11. Bid Prices and Discounts	7
12. Currencies of Bid and Payment	8
13. Documents Comprising the Technical Proposal.....	8
14. Documents Establishing the Qualifications of the Bidder	8
15. Period of Validity of Bids	8
16. Bid Security / Earnest Money Deposit	8
17. Format and Signing of Bid	9
D. Submission and Opening of Bids.....	10
18. Sealing and Marking of Bids	10
19. Deadline for Submission of Bids.....	10
20. Late Bids	10
21. Bid Opening	10
E. Evaluation and Comparison of Bids.....	12
22. Confidentiality.....	12
23. Clarification of Bids	12
24. Deviations, Reservations, and Omissions	12
25. Preliminary Examination of Technical Bids.....	12
26. Responsiveness of Technical Bid	13
27. Nonconformities, Errors, and Omissions	13
28. Qualification of the Bidder.....	14
29. Correction of Arithmetical Errors.....	14

30. Evaluation of Price Bids 14

31. Comparison of Bids 15

32. Employer’s Right to Accept Any Bid, and to Reject Any or All Bids..... 15

F. Award of Contract..... 15

33. Award Criteria..... 15

34. Notification of Award 15

35. Signing of Contract..... 16

36. Performance Security..... 16

Section 1 - Instructions to Bidders

A. General

- 1. Scope of Bid**
 - 1.1 In connection with the Invitation for Bids/ Notice Inviting Tender indicated in the Bid Data Sheet (BDS), the Employer, as indicated in the BDS, issues this Bidding Document for the procurement of the Works as specified in Section 5 (Employer's Requirements). The name, identification, and number of contracts of this bidding are provided in the BDS.
 - 1.2 Throughout this Bidding 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; and
 - (c) "day" means calendar day.
- 2. Fraud and Corruption**
 - 2.1 It is the Employer's policy to require that Employers as well as Bidders observe the highest standard of ethics during the execution of the Contract. In pursuance of this policy, the Employer defines, for the purpose of this provision, the terms set forth below as follows:
 - i. "Corrupt practice" means the offering, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the selection process or in contract execution;
 - ii. "Fraudulent practice" means a misrepresentation or omission of facts in order to influence a selection process or the execution of a contract;
 - iii. "Collusive practices" means a scheme or arrangement between two or more consultants, with or without the knowledge of the Employer, designed to establish prices at artificial, non-competitive levels;
 - 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;
 - 2.2 The Employer may terminate the contract if it determines at any time that representatives of the Bidder were engaged in corrupt, fraudulent, collusive or coercive practices during the selection process or the execution of that contract, without the Bidder having taken timely and appropriate action satisfactory to the Employer to remedy the situation;
 - 2.3 The Employer may also sanction against the Bidder, including declaring the Firm ineligible, either indefinitely or for a stated period of time, to be awarded a contract 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, an

Employer-financed contract

2.4 Furthermore, Bidders shall be aware of the provisions of GCC 70.2 (i).

3. Eligible Bidders

3.1 A Bidder may be a natural person, private entity, government-owned entity – or any combination of them with a formal intent to enter into an agreement or under an existing agreement in the form of a Joint Venture (JV). In the case of a JV:

- (a) all partners shall be jointly and severally liable, and
- (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 parties of the JV during the bidding process and, in the event the JV is awarded the Contract, during contract execution.

3.2 A Bidder, and all parties constituting the Bidder, shall have the nationality of India.

3.3 A Bidder shall not have a conflict of interest. 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 shareholders 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 material information about or improperly influence 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, either individually or as a partner in a joint venture. This will result in the disqualification of all Bids in which it is involved.
- (f) a Bidder or any affiliated entity, participated as a Consultant in the preparation of the design or technical specifications of the works that are the subject of the Bid; or
- (g) a Bidder was affiliated with a firm or entity that has been hired (or is proposed to be hired) by the Employer as Engineer for the contract.

3.4 Bidders shall provide such evidence of their continued eligibility satisfactory to the Employer, as the Employer shall reasonably request.

B. Contents of Bidding Document

4. Sections of Bidding Document

4.1 The Bidding Document consist of Parts I, II, and III, which include all the Sections indicated below, and should be read in conjunction with

any Addenda issued in accordance with ITB 8.

PART I Bidding Procedures

Section 1 - Instructions to Bidders (ITB)

Section 2 - Bid Data Sheet (BDS)

Section 3 - Evaluation and Qualification Criteria (EQC)

Section 4 - Bidding Forms (BDF)

PART II Requirements

Section 5 –Employer’s Requirements (ERQ)

PART III Conditions of Contract and Contract Forms

Section 6 - General Conditions of Contract (GCC)

Section 7 - Particular Conditions of Contract (PCC)

Section 8 - Contract Forms (COF)

- 4.2 The Invitation for Bids issued by the Employer is not part of the Bidding Document.
- 4.3 The Employer is not responsible for the completeness of the Bidding Document and their Addenda, if they were not obtained in the form of the hard copy directly from the Office of the Aizawl Smart City Limited, Aizawl
- 4.4 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.
- 5. Clarification of Bidding Document, Site Visit, Pre-Bid Meeting**
- 5.1 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 inquiries during the pre-bid meeting if provided. The Employer will respond in writing to any request for clarification, provided that such request is received prior to the deadline for submission of bids, within a period given in the BDS. The Employer shall forward copies of its response to all Bidders who have acquired the Bidding Document in accordance with ITB 5.3, 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 6 and ITB 18.2.
- 5.2 The Bidder is advised to visit and examine the Site of Works and its surroundings and obtain for itself, on its own risk and responsibility, all information that may be necessary for preparing the bid and entering into a contract for construction of the Works. The costs of visiting the Site shall be at the Bidder’s own expense.
- 5.3 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.

- 5.4 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.
- 5.5 The Bidder is requested to submit any questions in writing, to reach the Employer not later than one week before the meeting.
- 5.6 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 4.3. 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 6 and not through the minutes of the pre-bid meeting.
- 5.7 Nonattendance at the pre-bid meeting will not be a cause for disqualification of a Bidder.
- 6. Amendment of Bidding Document**
- 6.1 At any time prior to the deadline for submission of bids, the Employer may amend the Bidding Document by issuing addenda.
- 6.2 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 4.3.
- 6.3 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 19.2.

C. Preparation of Bids

- 7. Cost of Bidding**
- 7.1 The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the Employer shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
- 8. Language of Bid**
- 8.1 The Bid, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Employer, shall be written in English. 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, in which case, for purposes of interpretation of the Bid, such translation shall govern.
- 9. Documents Comprising the Bid**
- 9.1 The Bid shall comprise two envelopes submitted simultaneously, one called the Technical Bid containing the documents listed in ITB 9.2 and the other the Price Bid containing the documents listed in ITB 9.3, both envelopes enclosed together in an outer single envelope.

- 9.2 The Technical Bid shall comprise the following:
- (a) Letter of Technical Bid;
 - (b) Bid Security/ Earnest Money Deposit, in accordance with ITB 16;
 - (c) written confirmation authorizing the signatory of the Bid to commit the Bidder, in accordance with ITB 17.2;
 - (d) documentary evidence in accordance with ITB 14 establishing the Bidder's qualifications to perform the contract;
 - (e) Technical Proposal in accordance with ITB 14;
 - (f) Any other document required in the BDS.
- 9.3 The Price Bid shall comprise the following:
- (a) Letter of Price Bid;
 - (b) completed Price Schedules, in accordance with ITB 10 and 11, or as stipulated in the BDS;
 - (c) Any other document required in the BDS.
- 9.4 In addition to the requirements under ITB 10.2, bids submitted by a JV shall include a copy of the Joint Venture Agreement entered into by all partners. Alternatively, a Letter of Intent to execute a Joint Venture Agreement in the event of a successful bid shall be signed by all partners and submitted with the bid, together with a copy of the proposed agreement.
- 10. Letters of Bid and Schedules**
- 10.1 The Letters of Technical Bid and Price Bid, and the Schedules, and all documents listed under Clause 19, shall be prepared using the relevant forms furnished in Section 4 (Bidding Forms). The forms must be completed without any alterations to the text, and no substitutes of the format shall be accepted. All blank spaces shall be filled in with the information requested.
- 11. Bid Prices and Discounts**
- 11.1 The prices and discounts quoted by the Bidder in the Letter of Price Bid and in the Schedules shall conform to the requirements specified below.
- 11.2 The Bidder shall submit a bid for the whole of the works described in ITB 1.1 by filling in prices for all items of the Works, as identified in Section 4 (Bidding Forms) and Vol-II Price Bid of the Bidding Document. In case of admeasurement contracts, the Bidder shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items against which no rate or price is entered by the Bidder will not be paid for by the Employer when executed and shall be deemed covered by the rates for other items and prices in the Bill of Quantities.
- 11.3 The price to be quoted in the Letter of Price Bid shall be the total price of the Bid, excluding any discounts offered.
- 11.4 Unconditional discounts, if any, and the methodology for their application shall be quoted in the Letter of Price Bid, in accordance with ITB 10.1.

- 11.5 The prices quoted by the Bidder shall be fixed.
- 11.6 If so indicated in ITB 1.1, bids are being invited for individual contracts or for any combination of contracts (packages). Bidders wishing to offer any price reduction for the award of more than one Contract shall specify in their bid the price reductions applicable to each package, or alternatively, to individual Contracts within the package. Price reductions or discounts shall be submitted in accordance with ITB 11.4, provided the bids for all contracts are submitted and opened at the same time.
- 11.7 All duties, taxes, cess and other levies payable by the Contractor under the Contract, as of the deadline for submission of bids, shall be included in the rates and prices and the total Bid Price submitted by the Bidder.
- 12. Currencies of Bid and Payment**
- 12.1 The currency of the bid and payment shall be the Indian Rupees
- 13. Documents Comprising the Technical Proposal**
- 13.1 The Bidder shall furnish a Technical Proposal including a statement of work methods, equipment, personnel, schedule and any other information as stipulated in Section 4 (Bidding Forms), in sufficient detail to demonstrate the adequacy of the Bidders' proposal to meet the work requirements and the completion time.
- 14. Documents Establishing the Qualifications of the Bidder**
- 14.1 To establish its qualifications to perform the Contract in accordance with Section 3 (Evaluation and Qualification Criteria) the Bidder shall provide the information requested in the corresponding information sheets included in Section 4 (Bidding Forms).
- 15. Period of Validity of Bids**
- 15.1 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 shall be rejected by the Employer as nonresponsive.
- 15.2 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. In this case the bid security/ Earnest Money Deposit shall also be extended 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.
- 16. Bid Security/ Earnest Money Deposit**
- 16.1 The Bidder shall furnish as part of its bid, in original form, a Bid security/ Earnest Money Deposit with amount as specified in the BDS.
- 16.2 The bid security/ Earnest Money Deposit shall be, at the Bidder's option, in any of the following forms:
- (a) an unconditional bank guarantee;
 - (b) an irrevocable letter of credit/ Demand Draft/ Deposit at Call of a Scheduled Bank provided the validity conformed the validity

requirement of the bidding document; or

- (c) a cashier's or certified check Demand Draft provided the validity conformed the validity requirement of the bidding document;
- (d) Fixed Deposit in favor of CEO, ASCL

On any of the above options, the Bidder should ensure that the bid security/ Earnest Money Deposit validity conform the validity requirement specified in the bidding document. In the case of a bank guarantee, the bid security/ Earnest Money Deposit shall be submitted either using the Bid Security/ Earnest Money Deposit Form included in Section IV (Bidding Forms) or another form acceptable to the Employer. The form must include the complete name of the Bidder. The bid security/ Earnest Money Deposit shall be valid for twenty days (20) beyond the original validity period of the bid, or beyond any period of extension if requested.

- 16.3 Any bid not accompanied by a substantially compliant bid security/ Earnest Money Deposit in accordance with ITB 16.2 shall be rejected by the Employer as non-responsive.
- 16.4 The bid security / Earnest Money Deposit of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's furnishing of the performance security pursuant to ITB 36.
- 16.5 The bid security / Earnest Money Deposit 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.
- 16.6 The bid security / Earnest Money Deposit may be forfeited:
 - (a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Letters of Technical Bid and Price Bid, except as provided in ITB 15.2 or
 - (b) if the successful Bidder fails to:
 - (i) sign the Contract in accordance with ITB 35;
 - (ii) furnish a performance security in accordance with ITB 36; or
 - (iii) accept arithmetical corrections in accordance with ITB 29.
- 16.7 The Bid Security/ Earnest Money Deposit 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 / Earnest Money Deposit shall be in the names of all future partners as named in the letter of intent mentioned in ITB 3.1.

17. Format and Signing of Bid

- 17.1 The Bidder shall prepare one original of the Technical Bid and one original of the Price Bid comprising the Bid as described in ITB 9 and clearly mark it "ORIGINAL - TECHNICAL BID" and "ORIGINAL - PRICE BID". In addition, the Bidder shall submit 2 (two) copies of the technical and price bid and clearly mark each of them "COPY." In the event of any discrepancy between the original and the copies, the original shall prevail.

- 17.2 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 except in the case where the Signee is the proprietor of the firm himself. 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 Bid, except for unamended printed literature, shall be signed or initialed by the person signing the bid.
- 17.3 Any amendments such as 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

18. Sealing and Marking of Bids

- 18.1 Bidders may always submit their bids by mail or by hand. Procedures for submission, sealing and marking are as follows:
- (a) Bidders submitting bids by mail or by hand shall enclose the original of the Technical Bid, the original of the Price Bid, and each copy of the Technical Bid and each copy of the Price Bid, in separate sealed envelopes, duly marking the envelopes as "ORIGINAL - TECHNICAL BID", "ORIGINAL - PRICE BID" and "COPY NO... - TECHNICAL BID" and "COPY NO.... - PRICE BID." These envelopes, the first containing the originals and the others containing copies, shall then be enclosed in one single envelope per set. The rest of the procedure shall be in accordance with ITB 18.2 and 18.3.
- 18.2 The inner and outer envelopes shall:
- (a) bear the name and address of the Bidder;
 - (b) be addressed to the Employer as provided in BDS 19.1; and
 - (c) bear the specific identification of this bidding process indicated in the BDS 1.1.
- 18.3 The outer envelopes and the inner envelopes containing the Technical Bid shall bear a warning not to open before the time and date for the opening of Technical Bid, in accordance with ITB Sub-Clause 21.1.
- 18.4 The inner envelopes containing the Price Bid shall bear a warning not to open until advised by the Employer in accordance with ITB Sub-Clause 21.7.
- 18.5 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.

- 19. Deadline for Submission of Bids**
- 19.1 Bids must be received by the Employer at the address and no later than the date and time indicated in the BDS.
- 19.2 The Employer may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Document in accordance with ITB 6, 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.
- 20. Late Bids**
- 20.1 The Employer shall not consider any bid that arrives after the deadline for submission of bids, in accordance with ITB 19. Any bid received by the Employer after the deadline for submission of bids shall be declared late, rejected, and returned unopened to the Bidder.
- 21. Bid Opening**
- 21.1 The Employer shall open the Technical Bids in public at the address, date and time specified in the BDS in the presence of Bidders' designated representatives and anyone who choose to attend. 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 Price Bid are submitted together in one envelope, the Employer may reject the entire Bid.
- 21.2 Envelopes holding the Technical Bids shall be opened one at a time, and the following read out and recorded:
- (a) the name of the Bidder;
 - (b) the presence of a Bid Security/ Earnest Money Deposit
 - (c) any other details as the Employer may consider appropriate.
- Only Technical Bids read out and recorded at bid opening shall be considered for evaluation. Unless otherwise specified in the BDS, all pages of the Letter of Technical Bid are to be initialed by at least three representatives of the Employer attending the bid opening. No Bid shall be rejected at the opening of Technical Bids except for late bids, in accordance with ITB Sub-Clause 20.1.
- 21.3 The Employer shall prepare a record of the opening of Technical Bids that shall include, as a minimum: the name of the Bidder and the presence or absence of a bid security. 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.
- 21.4 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 for the opening of Price Bids.
- 21.5 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.

- 21.6 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.
- 21.7 All envelopes containing Price Bids shall be opened one at a time and the following read out and recorded:
- (a) the name of the Bidder;
 - (b) the Bid Prices, including any discounts; and
 - (c) any other details as the Employer may consider appropriate.

Only Price Bids and discounts read out and recorded during the opening of Price Bids shall be considered for evaluation. Unless otherwise specified in the BDS, all pages of the Letter of Price Bid and Schedules are to be initialed by at least three representatives of the Employer attending the bid opening. No Bid shall be rejected at the opening of Price Bids.

- 21.8 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 and any discounts. 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.

E. Evaluation and Comparison of Bids

22. Confidentiality

- 22.1 Information relating to the examination, evaluation, comparison, and postqualification of bids and recommendation of contract award, shall not be disclosed to Bidders or any other persons not officially concerned with such process until information on Contract award is communicated to all Bidders.
- 22.2 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.
- 22.3 Notwithstanding ITB 22.2, 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 may do so in writing.

23. Clarification of Bids

- 23.1 To assist in the examination, evaluation, and comparison of the Technical and Price Bids, 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 substance of 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 Price Bids, in accordance with ITB 29.

23.2 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.

24. Deviations, Reservations, and Omissions

24.1 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.

25. Preliminary Examination of Technical Bids

25.1 The Employer shall examine the Technical Bid to confirm that all documents and technical documentation requested in ITB Sub-Clause 9.2 have been provided, and to determine the completeness of each document submitted.

25.2 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 except in the case where the Signee is the proprietor of the firm himself;
- (d) Bid Security/ Earnest Money Deposit and
- (c) Technical Proposal in accordance with ITB 13.

26. Responsiveness of Technical Bid

26.1 The Employer's determination of a Bid's responsiveness is to be based on the contents of the bid itself, as defined in ITB 9.

26.2 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 Works 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.

26.3 The Employer shall examine the technical aspects of the Bid submitted in accordance with ITB 13, Technical Proposal, in particular, to confirm that all requirements of Section 5 (Employer's Requirements) have been met without any material deviation or reservation.

- 26.4 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.
- 27. Nonconformities, Errors, and Omissions**
- 27.1 Provided that a bid is substantially responsive, the Employer may waive any nonconformities in the Bid that do not constitute a material deviation, reservation or omission.
- 27.2 Provided that a Technical 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 Technical Bid related to documentation requirements. Requesting information or documentation on such nonconformities shall not be related to any aspect of the Price Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.
- 27.3 Provided that a Technical 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 3 (Evaluation and Qualification Criteria).
- 28. Qualification of the Bidder**
- 28.1 The Employer shall determine to its satisfaction during the evaluation of Technical Bids whether Bidders meet the qualifying criteria specified in Section 3 (Evaluation and Qualification Criteria).
- 28.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB 14.1.
- 28.3 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.
- 29. Correction of Arithmetical Errors**
- 29.1 During the evaluation of Price Bids, the Employer shall correct arithmetical errors on the following basis:
- (a) only for unit price contracts, if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit 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 price, in which case the total price as quoted shall govern and the unit price shall be corrected;
 - (b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected;
 - (c) if there is a discrepancy between the bid price in the Summary of Bill of Quantities and the bid amount in item (c) of the Letter of Price Bid, the bid price in the Summary of Bill of Quantities will

prevail and the bid amount in item (c) of the Letter of Price Bid will be corrected; and

- (d) 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), (b) and (c) above.

29.2 If the Bidder that submitted the lowest evaluated bid does not accept the correction of errors, its Bid shall be disqualified and its bid security / Earnest Money Deposit may be forfeited.

30. Evaluation of Price Bids

30.1 The Employer shall use the criteria and methodologies listed in this Clause. No other evaluation criteria or methodologies shall be permitted.

30.2 To evaluate the Price Bid, the Employer shall consider the following:

- (a) the bid price, excluding Provisional Sums and the provision, if any, for contingencies in the Summary Bill of Quantities for admeasurement contracts, or Schedule of Prices for lump sum contracts, but including Daywork items, where priced competitively;
- (b) price adjustment for correction of arithmetic errors in accordance with ITB 29.1;
- (c) price adjustment due to discounts offered in accordance with ITB 11.4;
- (d) adjustment for nonconformities in accordance with ITB 27.3;
- (e) application of all the evaluation factors indicated in Section 3 (Evaluation and Qualification Criteria).

30.3 The estimated effect of the price adjustment provisions, if provided, of the Conditions of Contract, applied over the period of execution of the Contract, shall not be taken into account in bid evaluation.

30.4 If the Bid for an admeasurement contract, which results in the lowest Evaluated Bid Price, is seriously unbalanced, front loaded or substantially below updated estimates in the opinion of the Employer, the Employer may require the Bidder to produce detailed price analyses for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, taking into consideration the schedule of estimated Contract payments, 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.

31. Comparison of Bids

31.1 The Employer shall compare all substantially responsive bids to determine the lowest evaluated bid. in accordance with ITB 30.2.

- 32. Employer's Right to Accept Any Bid, and to Reject Any or All Bids**
- 32.1 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. In case of annulment, all bids submitted and specifically, bid securities, shall be promptly returned to the Bidders.

F. Award of Contract

- 33. Award Criteria**
- 33.1 The Employer shall award the Contract to the Bidder whose offer has been determined to be the lowest evaluated bid and is substantially responsive to the Bidding Document, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.
- 34. Notification of Award**
- 34.1 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.
- 34.2 At the same time, the Employer shall also notify all other Bidders of the results of the bidding. After the award of contract, unsuccessful bidders may request in writing to the Employer for a debriefing seeking explanations on the grounds on which their bids were not selected. The Employer shall promptly respond in writing to any unsuccessful Bidder who, after contract award, requests a debriefing.
- 34.3 Until a formal contract is prepared and executed, the notification of award shall constitute a binding Contract.
- 35. Signing of Contract**
- 35.1 Promptly after notification, the Employer shall send the successful Bidder the draft Contract Agreement.
- 36. Performance Security**
- 36.1 Within twenty-eight (28) days of the issue of notification of award by the Employer, the successful Bidder shall furnish the performance security in accordance with the Conditions of Contract, subject to ITB 30.5, using for that purpose the Performance Security Form included in Section 8 (Contract Forms), or another form acceptable to the Employer.
- 36.2 Failure of the successful Bidder to submit the above-mentioned Performance Security or to sign the Contract Agreement shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security/ Earnest Money Deposit. In that event the Employer may award the Contract to the next lowest evaluated Bidder whose offer is substantially responsive and is determined by the Employer to be qualified to perform the Contract satisfactorily.

Section 2 - Bid Data Sheet

A. General

ITB 1.1	The number of the Invitation for Bids/ Notice Inviting Tender is : No. B. 11030/144 (Proc-Gen)/2018-ASCL/140 dated 02-12-2021
ITB 1.1	The Employer is: Aizawl Smart City Limited, Urban Development and Poverty Alleviation Department, Government of Mizoram
ITB 1.1	The name of the bidding process is: Construction of Futsal Ground at Zemabawk Mitla Mual The identification number of the bidding process is: MIZ-AIZ-129A/FSG-ZM/13

B. Contents of Bidding Documents

ITB 5.1	For clarification purposes only, the Employer's address is: Attention: Chief Executive Officer, ASCL. Street Address: Urban Resource Centre, MINECO, Khatla, Aizawl, Mizoram ZIP Code: 796 005 Country: India Telephone: : 0389-2336012 Email: smartcityaizawl@gmail.com Requests for clarification should be received by the Employer no later than 7 days before the original deadline date of Bid submission.
ITB 5.4	A Pre-Bid meeting shall take place. Date: 13-12-2021 Time: 2:00 Pm Place: At the address indicated at ITB 5.1 above. A site visit, as decided during the Pre-Bid Meeting, shall be conducted by the Employer.

C. Preparation of Bids

ITB 9.2(g)	NA
ITB 9.3 (d)	NA
ITB 11.6	NA
ITB 15.1	The bid validity period shall be 70 days.
ITB 16.1	The Bidder shall furnish a Bid Security/ Earnest Money deposit in the amount of INR 13,43,700/-
ITB 17.2	The written confirmation of authorization to sign on behalf of the Bidder shall consist of: An organizational document, board resolution or its equivalent, or power of attorney specifying the representative's authority to sign the Bid on behalf of the Bidder. If the Bidder is an intended or an existing joint venture, the power of attorney should be signed by all partners and specify the authority of the named representative of the joint venture to sign on behalf of the intended or existing joint venture. If the joint venture has not yet been formed, also include evidence from all proposed joint venture partners of their intent to enter into a joint venture in the event of a contract award. <i>This authorization may not be required if the signatory is the proprietor or the sole owner of the firm him/her self.</i>

D. Submission and Opening of Bids

ITB 18.1	For bid submission purposes only, the Employer's address is: Attention: Chief Executive Officer, ASCL. Street Address: Urban Resource Centre, MINECO, Khatla, Aizawl, Mizoram
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	<p>ZIP Code: 796 005 Country: India Telephone: : 0389-2336012 Email: smartcityaizawl@gmail.com The deadline for bid submission is: Date:17-12-2021 Time: 2:00 Pm.</p>
ITB 21.1	<p>The opening of the Technical Bid shall take place at: Attention: Chief Executive Officer, ASCL. Street Address: Urban Resource Centre, MINECO, Khatla, Aizawl, Mizoram ZIP Code: 796 005 Country: India Telephone: : 0389-2336012 Email: smartcityaizawl@gmail.com Date: 17-12-2021 Time: 2:30 Pm.</p>

Section 3 - Evaluation and Qualification Criteria

Table of Criteria

1.	Evaluation.....	2
1.1	Adequacy of Technical Proposal.....	2
1.2	Quantifiable Nonconformities, Errors and Omissions	2
2.	Qualification	2
2.1	Eligibility.....	2
2.1	Conflict of Interest	2
2.2	Pending Litigation	3
2.2.1	Pending Litigation and Arbitration	3
2.3	Financial Requirements	3
2.3.1	Historical Financial Performance.....	3
2.3.2	Average Annual Construction Turnover	4
2.4	Construction Experience	5
2.4.1	Contracts of Similar Size and Nature	5

1. Evaluation

In addition to the criteria listed in ITB 30.2 (a) – (e) the following criteria shall apply:

1.1 Adequacy of Technical Proposal

Evaluation of the Bidder's Technical Proposal will include an assessment of the Bidder's technical capacity to mobilize key equipment and personnel for the contract consistent with its proposal regarding work methods, scheduling, and material sourcing in sufficient detail and fully in accordance with the requirements stipulated in Section 5 (Employer's Requirements).

1.2 Quantifiable Nonconformities, Errors and Omissions

The evaluated cost of quantifiable nonconformities, errors and/or omissions are determined as follows:

Pursuant to ITB 27.3, the cost of all quantifiable nonmaterial nonconformities or omissions shall be evaluated. The Employer will make its own assessment of the cost of any nonmaterial nonconformities and omissions for the purpose of ensuring fair comparison of bids.

The cost of any nonmaterial nonconformities or omissions will be adjusted based on the highest quoted price of the same item from other responsive bids. Bids that do not confirm to the bid document requirement in terms of specifications, payment terms and contract conditions shall be held non responsive.

2. Qualification

Unless specifically indicated otherwise, it is the legal entity or entities comprising the Bidder, and not the Bidder's parent companies, subsidiaries or affiliates, that must satisfy the qualification criteria described below.

2.1 Eligibility

Criteria	Compliance Requirements			Documents	
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	

2.1 Conflict of Interest

No conflicts of interest in accordance with ITB Sub-Clause 3.3.	must meet requirement	must meet requirement	must meet requirement	not applicable	Letter of Technical Bid
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2.2 Pending Litigation

Pending Litigation criterion shall apply.

2.2.1 Pending Litigation and Arbitration

Criteria	Compliance Requirements			Documents	
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	
All pending litigation and arbitration, if any, shall be treated as resolved against the Bidder and so shall in total not represent more than 50 percent of the Bidder's net worth calculated as the difference between total assets and total liabilities should be positive.	must meet requirement by itself or as partner to past or existing JV	not applicable	must meet requirement by itself or as partner to past or existing JV	not applicable	Form LIT - 1

2.3 Financial Requirements

2.3.1 Historical Financial Performance

Criteria	Compliance Requirements			Documents	
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	
Submission of audited financial statements for the last 3 (three) years to demonstrate the current soundness of the Bidders financial position. As a minimum, the Bidder's net worth for the last year, calculated as the difference between total assets and total liabilities should be positive.	must meet requirement	not applicable	must meet requirement	not applicable	Form FIN - 1 with attachments

Audited Financial Statement audited (Balance Sheet and Profit & Loss Account) by qualified Accountant/Chartered Accountant should be submitted for calculation of Financial Requirement.

2.3.2 Average Annual Construction Turnover

Criteria	Compliance Requirements			Documents	
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	
Minimum average annual construction turnover of INR 672 lakh calculated as total certified payments received for contracts in progress or completed, within the last three years.	must meet requirement	must meet requirement	must meet not less than 25% of the requirement	must meet not less than 40% of the requirement	Form FIN - 2

2.3.3 Financial Resources Requirement

Criteria	Compliance Requirements			Documents	
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	
Using Forms FIN-3 and FIN-4 in Section 4 (Bidding Forms), the Bidder must demonstrate access to, or availability of, liquid assets ¹ , lines of credit, or other financial resources (other than any contractual advance payments) to meet the Bidder's total financial resources requirement indicated in Form FIN-4.	must meet requirement	must meet requirement	must meet not less than 25% of the requirement	must meet not less than 40% of the requirement	Form FIN – 3 and Form FIN – 4

¹ Liquid Assets mean cash and cash equivalents, short-term financial instruments, short term available-for-sale-securities, marketable securities, trade receivables, short-term financing receivables and other assets that can be converted into cash within ONE YEAR.

Availability of or access to liquid assets¹, lines of credit, and other finances sufficient to meet any possible cash flow requirement which may arise during the execution of the contract. This shall also take into account the Bidder's commitments for other contracts as indicated at Section 4, FIN-4. The financial resource requirement of the bidder as per the latest auditor's report plus dedicate line of credit, if any, should represent the requirement as below:

- (i) A minimum financial resource requirement for the subjected contract package shall be Rs. **168** lakh (as provided by the Employer at FIN-4, SI. No. B)
- (ii) A minimum financial resource requirement for the subjected contract package of Rs **168** Lakh + Current Contract Commitments as provided by the Employer at FIN-4

2.4 Construction Experience

2.4.1 Contracts of Similar Size and Nature

Criteria	Compliance Requirements			Documents	
	Single Entity	Joint Venture			
Requirement		All Partners Combined	Each Partner	One Partner	Submission Requirements
Participation in at least one contract that has been successfully or substantially completed within the last 10 (ten) years and that is similar to the proposed works. The similarity of the Bidder's participation shall be based on the physical size, nature of works, complexity, methods, technology or other characteristics as described in Section 5, Employer's Requirements. Within the last 10 years, the Bidder should satisfy any one of the following minimum requirements: (i) Three similar completed works costing not less than Rs 269 lakh each. (ii) Two similar completed works costing not less than Rs 403 lakh each. (iii) One similar completed work costing not less than Rs 538 lakh.	must meet requirement	must meet requirement	not applicable	not applicable	Form EXP - 1

For assessing the Contracts of Similar Size and Nature Experience, bidder should submit along with the bid, Certificate of satisfactory completion of similar contract issued by the previous employers Or any other document that would suggest that the bidder has actually and successfully completed similar contract(s) within the last 10 years.

Section 4 - Bidding Forms

Table of Forms

Letter of Technical Bid	2
Technical Proposal - Personnel	4
Form PER – 1: Proposed Personnel	4
Technical Proposal - Equipment	5
Form ELI - 1: Bidder’s Information Sheet	6
Form ELI - 2: JV Information Sheet	7
Form LIT – 1: Pending Litigation and Arbitration	8
Form FIN - 1: Historical Financial Performance	9
Form FIN - 2: Average Annual Construction Turnover	10
Form FIN – 3: Availability of Financial Resources	11
Form FIN- 4: Financial Resources Requirement	12

Letter of Technical Bid

Date:

Contract Package No.:

Notice Inviting Tender/Invitation for Bid No.:

To:.....

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda issued in accordance with Instructions to Bidders (ITB) 6;
- (b) We offer to execute in conformity with the Bidding Documents the following Works:
.....
- (c) Our Bid consisting of the Technical Bid and the Price Bid shall be valid for a period of 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, including any subcontractors or suppliers for any part of the contract, do not have any conflict of interest in accordance with ITB 3.3;
- (e) We are not participating, as a Bidder in more than one bid in this bidding process in accordance with ITB 3.3 (e).
- (f) If our Bid is accepted, we commit to mobilizing key equipment and personnel in accordance with the requirements set forth in Section 5 (Employer's Requirements) and our technical proposal, or as otherwise agreed with the Employer.

Name

In the capacity of

Signed

Duly authorized to sign the Bid for and on behalf of

Date.....

Bid Security Bank Guarantee

..... *Bank's Name, and Address of Issuing Branch or Office*.....

Beneficiary: *Name and Address of Employer*

Date:.....

Bid Security 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 Notice Inviting Tender / 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 Letter of Technical Bid and Letter of Price Bid; or
- (b) does not accept the correction of errors in accordance with the Instructions to Bidders (hereinafter "the ITB"); or
- (c) 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 Agreement, 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 Agreement 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 (28) 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. 458¹.

..... *Bank's seal and authorized signature(s)*

-- Note --

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

¹*Or 758 as applicable.*

Technical Proposal

Technical Proposal - Personnel

Form PER – 1: Proposed Personnel

In line with Section 5, Employer's Requirement-Personnel Requirement, Bidder shall provide the details of the proposed personnel and their experience records in the relevant Information Forms below for each candidate:

1	Title of position*
	Name
	Qualification
	Experience
2	Title of position*
	Name
	Qualification
	Experience
3	Title of position*
	Name
	Qualification
	Experience

*As listed in Section 5 (Employer's Requirements).

Technical Proposal - Equipment

Form EQU: Equipment

The Bidder shall provide adequate information and details to demonstrate clearly that it has the capability to meet the equipment requirements indicated in Section 6 (Employer's Requirements), using the Forms below. A separate Form shall be prepared for each item of equipment listed, or for alternative equipment proposed by the Bidder.

Item of Equipment		
Equipment Information	Name of manufacturer	Model and power rating
	Capacity	Year of manufacture
Current Status	Current location	
	Details of current commitments	
Source	Indicate source of the equipment <input type="checkbox"/> Owned <input type="checkbox"/> Rented <input type="checkbox"/> Leased <input type="checkbox"/> Specially manufactured	

Omit the following information for equipment owned by the Bidder.

Owner	Name of owner	
	Address of owner	
	Telephone	Contact name and title
	Fax	Telex
Agreements	Details of rental / lease / manufacture agreements specific to the project	

Bidders Qualification

To establish its qualifications to perform the contract in accordance with Section 3 (Evaluation and Qualification Criteria) the Bidder shall provide the information requested in the corresponding Information Sheets included hereunder.

Form ELI - 1: Bidder's Information Sheet

Bidder's Information	
Bidder's legal name	
Bidder's legal address	
Bidder's authorized representative (name, address, telephone numbers, fax numbers, e-mail address)	

Form ELI - 2: JV Information Sheet

Each member of a JV must fill in this form

JV Information	
JV Partner's legal name	
JV legal address	
JV Partner's authorized representative information (name, address, telephone numbers, fax numbers, e-mail address)	

Form LIT – 1: Pending Litigation and Arbitration

Each Bidder or member of a JV must fill in this form if so required under Criterion 2.2 of Section 3 (Evaluation and Qualification Criteria).

Pending Litigation and Arbitration			
<p>Choose one of the following:</p> <p><input type="checkbox"/> No pending litigation and arbitration.</p> <p><input type="checkbox"/> Below is a description of all pending litigation and arbitration involving the Bidder (or each JV member if Bidder is a Joint Venture).</p>			
Year	Matter in Dispute	Value of Pending Claim	Value of Pending Claim as a Percentage of Net Worth

Form FIN - 1: Historical Financial Performance

Each Bidder or member of a JV must fill in this form

Financial Data for Previous 3 Years [INR]		
Year 1:	Year 2:	Year 3:

Information from Balance Sheet

Total Assets			
Total Liabilities			
NetWorth			
Current Assets			
Current Liabilities			

Information from Income Statement

Total Revenues			
Profits Before Taxes			
Profits After Taxes			

- Attached are copies of financial statements (balance sheets including all related notes, and income statements) for the last ____ years, as indicated above, complying with the following conditions.
- Unless otherwise required by Section 3 of the Bidding Document, all such documents reflect the financial situation of legal entity or entities comprising the Bidder and not the Bidder's parent companies, subsidiaries or affiliates.
 - Historic financial statements must be audited by a certified accountant/Chartered 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).

Form FIN - 2: Average Annual Construction Turnover

Each Bidder or member of a JV must fill in this form

The information supplied should be the Annual Turnover of the Bidder or each member of a JV in terms of the amounts billed to clients for each year for work in progress or completed.

Annual Turnover Data for the Last 3 Years	
Year	Amount
Average Annual Construction Turnover	

Form FIN – 3: Availability of Financial Resources

Specify proposed sources of financing, such as liquid assets¹, lines of credit, and other financial resources (other than any contractual advance payments) available to meet the financial resources requirement indicated in Form Fin – 4.

Financial Resources		
No.	Source of financing	Amount
1		
2		
3		

¹ *Liquid Assets mean cash and cash equivalents, short-term financial instruments, short term available-for-sale-securities, marketable securities, trade receivables, short-term financing receivables and other assets that can be converted into cash within one year.*

Form FIN- 4: Financial Resources Requirement

Bidder (or each JV partner) should provide information indicated below in order to calculate the aggregated financial resources requirement, which equals the sum of: (i) the Bidder's (or each JV partner's) 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 and (ii) financial resources requirement for subject contract as determined by the Employer. Bidder must also disclose any other financial obligations that could materially affect the implementation of subject contract if such contract were to be awarded to the Bidder.

Financial Resources Requirement						
No .	Name of Contract	Employer's Contact (Address, Tel, Fax)	Contract Completion Date	Remaining Contract Period in months (A) ¹	Outstanding Contract Value (B) ²	Monthly Financial Resources Requirement (B / A)
1						
2						
3						
4						
A. Cumulative Financial Resources Requirement for Current Contract Commitments ³ (Total of above)						INR
B. Financial Resources Requirement for Subject Contract (Employer to specify)						INR 168 lacs
Total Financial Resources Requirement (Sum of A and B)						INR.....

¹ Remaining contract period to be calculated from 28 days prior to bid submission deadline.

² Remaining Outstanding Contract Values to be calculated from 28 days prior to the bid submission deadline (US\$ equivalent based on the foreign exchange rate as of the same date).

³ Bidder should calculate this amount based on the sum of Monthly Financial Resources Requirements for Each Current Works Contract based on the following calculation:

Estimated Contract Value (Inclusive of Taxes and Duties)
Completion Period in Months

Form EXP – 1: Contracts of Similar Size and Nature

Fill up one (1) form per contract.

Contract of Similar Size and Nature		
Contract No. of	Contract Identification	
Award Date	Completion Date	
Total Contract Amount	INR	
If partner in a JV or subcontractor, specify participation of total contract amount	Percent of Total	Amount
Employer's Name Address Telephone/Fax Number E-mail		
Description of the similarity in accordance with Criteria 2.4.1 of Section 3		

SECTION 5

EMPLOYER'S REQUIREMENT

About the Project

The Government of India has launched an ambitious "Smart Cities Mission" to promote cities that provide core infrastructure and a good quality of life to its citizens with a clean and sustainable environment by application of 'Smart Solutions'. In this regard Aizawl, one of the North Eastern Cities was chosen as one of the 100 cities to participate in the Smart City Challenge. Subsequently, the city was selected in the Fast Track Stage towards implementation the Smart City Proposals identified in the challenge stage.

Aizawl City has been chosen by the Government of India for making it a Smart city under the Smart City Mission in the year 2017. Aizawl Smart City focuses on the development of the city which enhances standard of living, tourism, national and global activities with economic progress of people. Aizawl is a city on hills having highly undulating thus difficult terrain. Availability of materials and implementation of various technologies is more challenging as compared to any other smart city in the plains of India.

Smart City Proposals are divided into Area Based Development (ABD) and Pan City proposals. Aizawl's ABD proposals envisage retrofitting and redeveloping 24.2 Sq. km (5980 Acres or 2420 Hectares) of ABD Area and Pan City proposals area of 114 Sq. km (28170 Acres or 11400 Hectares) of Aizawl. Aizawl City is divided into 19 wards. The total population of Aizawl town as of 2011 census is 291,822 spread over an area of 457 sq. km.

The ABD will further the Vision and Goals of the Smart City Aizawl through:

Adding ample number of sport facilities to encourage the youth towards football.

Promoting local art and culture by enhancing cultural resources.

Providing sustainable and smart solutions by incorporating information technology to all sectors of development.

Enhancing public amenities and facilities for overall betterment of city aesthetic.

Adding recreational elements such as parks and gardens to add to the quality of living.

The cord or cable shall be stretched firmly, flush with the top of the posts.

The top of the net from the surface of the court shall be 1.524 metres at the centre of the court and 1.55 metres over the side lines for doubles.

There shall be no gaps between the ends of the net and the posts. If necessary, the full depth of the net at the ends shall be tied to the posts.

Guidelines and Control Regulations

As per regulations of the National Building Codes and AMC (Aizawl Municipal Corporation-2012) Guidelines, following regulations have been considered to design Zemabawk Mitla Mual playground.

Table 1: STANDARDS AND REGULATIONS AS PER AMC BUILDING BYE LAWS

	Aspect	Permissible as per AMC Building Regulations	Permissible as per AMC Building Regulations	Proposed Dimensions
1	Parking Area	1 for every 25 seats (2.5 x 5 m = 28 no.s	1 for every 50 seats (2.5 x 5m) = 14 no.s	12.5 (27 no.s)
2	Pavilion Seating (686)	Minimum Width: 900 mm. Minimum height of a Riser: 450 mm.		900 mm 450 mm
3	Ground Coverage	Maximum Permissible coverage: 50 per cent		12.5 per cent

Futsal

Futsal is a ball sport, which is similar to Football but played on a much smaller pitch. The futsal courts are usually hard or can have an artificial turf. Futsal is played between two teams of five players each, one of whom is the goalkeeper. Unlimited substitutions are permitted. Unlike some other forms of indoor football, the game is played on a hard court surface delimited by lines; walls or boards are not used. Futsal is also played with a smaller, harder, low-bounce ball. The surface, ball and rules together favour ball control and passing in small spaces. The game's emphasis is on improvisation, creativity and technique.

Futsal is recognized by FIFA as the official indoor soccer game, played with touchlines as boundaries and no use of walls or boards. It is played at a faster pace than generic 11-a-side full pitch soccer, allowing players to get more touches than a regular game. There are no off-sides and Futsal games are generally higher scoring than regular soccer, making the game more "exciting" to play.

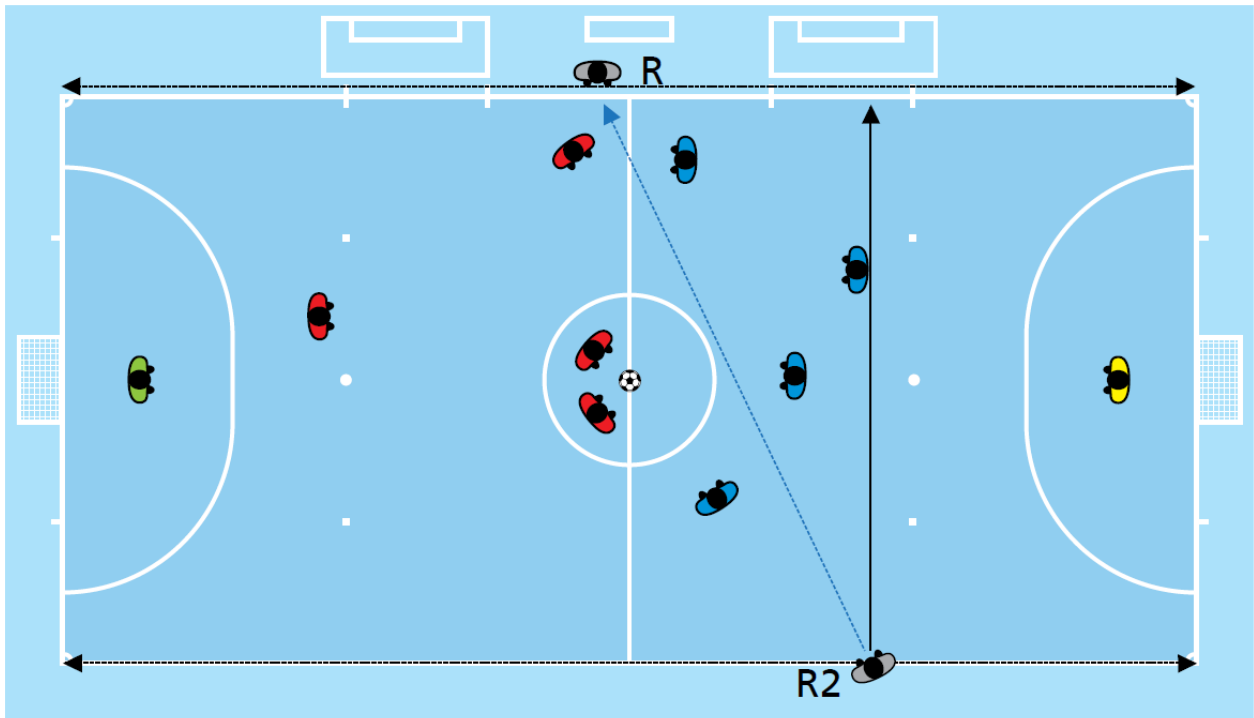


Figure 1: Futsal Pitch

SOURCE: FIFA FUTSAL NORMS.

Principles of Futsal Court Design

Futsal is a ball sport played on a hard court, smaller than a football pitch. Futsal is a celebrated sport among Mizo youth.

Matches should be played on flat, smooth and non-abrasive surfaces, preferably made of wood or artificial material, according to the rules of the competition. Concrete or tarmac should be avoided. Artificial turf pitches are permitted in exceptional cases and only for domestic competitions.

According to FIFA Futsal norms,

The pitch must be rectangular and marked with lines. These lines belong to the areas of which they are boundaries and must be clearly distinguishable from the colour of the pitch.

The two longer boundary lines are called touch lines. The two shorter lines are called goal lines.

The pitch is divided into two halves by a halfway line, which joins the midpoints of the two touch lines.

The centre mark is indicated at the midpoint of the halfway line. A circle with a radius of 3m is marked around it.

A mark must be drawn outside the pitch, 5m from the corner arc and at right angles to the goal line, to ensure that defending players retreat this distance when a corner kick is being taken. The width of this mark is 8cm.

Two additional marks, each at a distance of 5m to the left and the right of the second penalty mark, must be made on the pitch to indicate the minimum distance to be retreated when a kick is being taken from the second penalty mark. The width of this mark is 8cm.

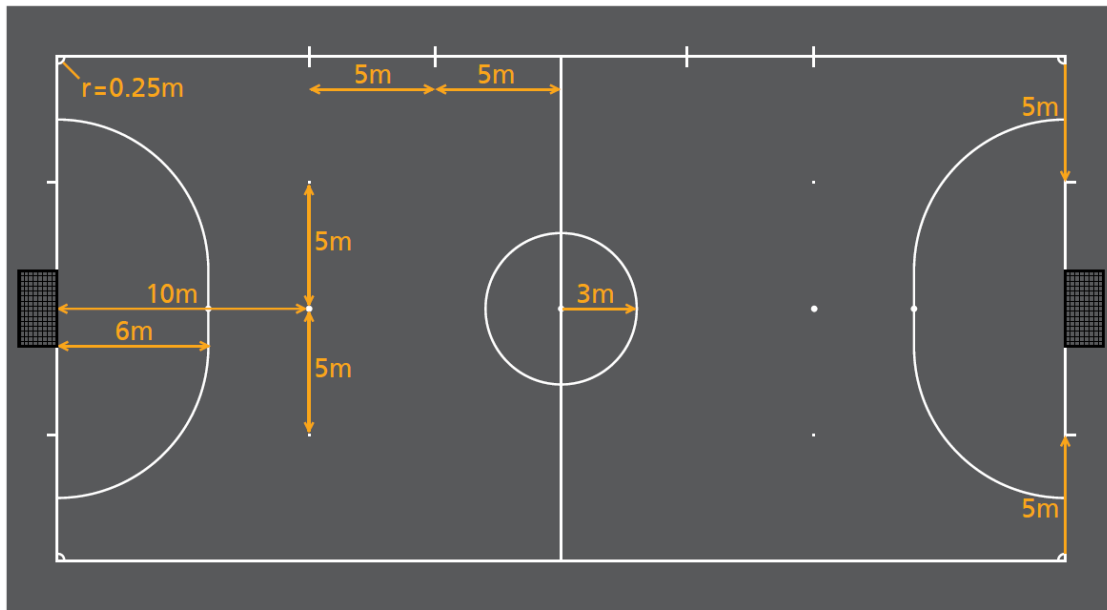


Figure Error! No text of specified style in document.: Futsal Pitch Layout

SOURCE: FIFA FUTSAL NORMS.

Dimensions

The length of the touch line must be greater than the length of the goal line.

All lines must be 8cm wide.

For non-international matches, the dimensions are as follows:

Length (touch line): Minimum 25m

Maximum 42m

Width (goal line): Minimum 16m

Maximum 25m

For international matches, the dimensions are as follows:

Length (touch line): Minimum 38m

Maximum 42m

Width (goal line): Minimum 20m

Maximum 25m

The Penalty Area

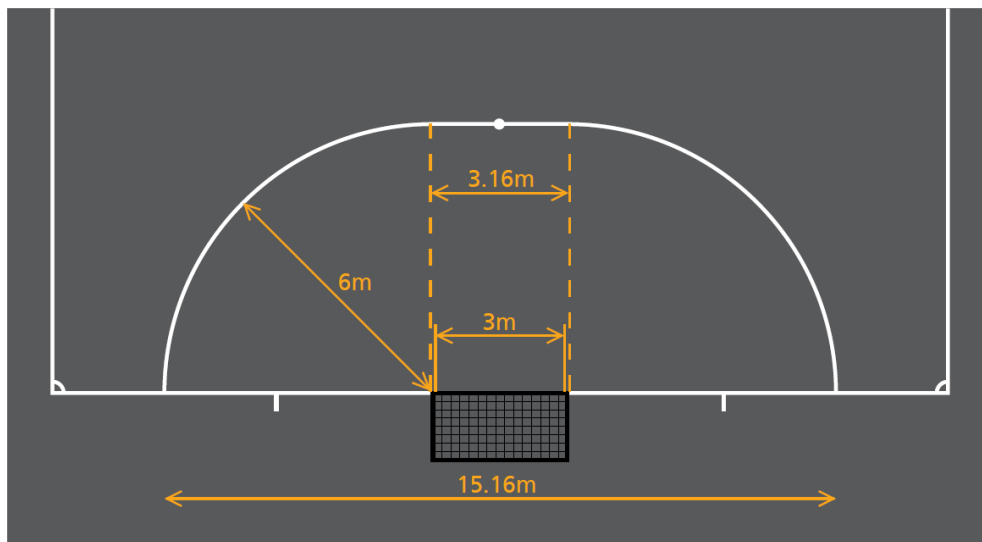


Figure 2: Penalty Area

SOURCE : FIFA FUTSAL NORMS, 2014-15..

Two imaginary lines of 6m in length are drawn from the outside of each goalpost and at right angles to the goal line; at the end of these lines a quarter circle is drawn in the direction of the nearest touch line, each with a radius of 6m from the outside of the goalpost. The upper part of each quarter circle is joined by a line 3.16m in length running parallel to the goal line between the goalposts. The area bounded by these lines and the goal line is the penalty area. Within each penalty area, a penalty mark is made 6m from the midpoint between the goalposts and equidistant to them.

Second Mark

A second mark is made 10m from the midpoint between the goalposts and equidistant to them.

The Corner Arc

A quarter circle with a radius of 25cm from each corner is drawn inside the pitch.

Goals

A goal must be placed on the centre of each goal line. A goal consists of two upright posts equidistant from the corners and joined at the top by a horizontal crossbar. The goalposts and crossbar must be made of wood, metal or other approved material. They must be square, rectangular, round or elliptical in shape and must not be dangerous to players.

The distance (inside measurement) between the posts is 3m and the distance from the lower edge of the crossbar to the ground is 2m.

Both goalposts and the crossbar have the same width and depth, 8cm. The nets must be made of hemp, jute or nylon or other approved material and are attached to the back of the goalposts and the crossbar with a suitable means of support. They must be properly supported and must not interfere with the goalkeeper.

The goalposts and crossbars must be of a different colour from the pitch.

The goals must have a stabilising system that prevents them from overturning.

Portable goals may only be used if they satisfy this requirement.

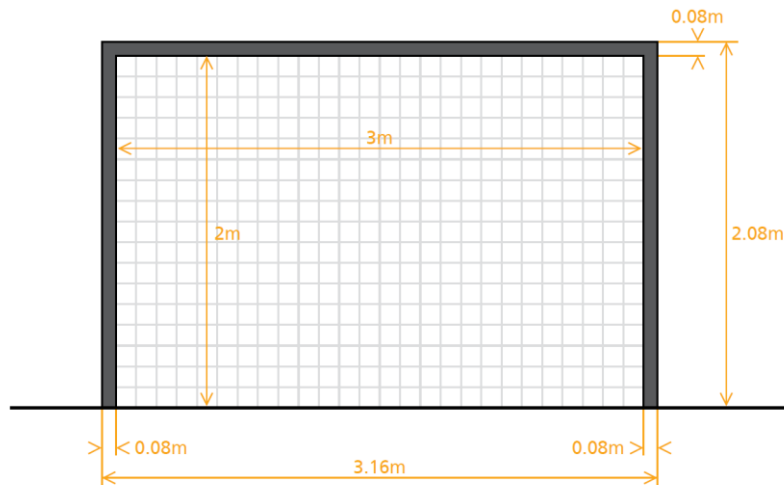


Figure 3: Penalty Area
SOURCE : FIFA FUTSAL NORMS, 2014-15.

Ground Condition

While constructing a futsal court, you must seek good land conditions. With the smaller dimension of the field, the land will be used more frequently and heavily than the full-size pitches.

The Mini Pitch courts are great for smaller areas. Try mapping out your area before deciding to install a court to make sure the size is desirable.

Slope & Drainage:

No excessive slope needed (max 1%) to allow water drain away from the court.

Does not require a permeable sub-base; a gentle gradient will allow to fast lateral drainage of water.

In the absence of surface drainage, have a cross c fall of 1.0%, connected to a perimeter drain on the low side of the installation.

Repair and Maintenance:

Due to their small size, futsal courts take less time to maintain than full-size pitches.

More intense use of this type of court requires more regular maintenance.

Effective maintenance is very much required to avoid costly corrective or resurfacing work later.

Spectators Seating

As per the FIFA standards the steps of seating pavilion should be at least 800mm wide to provide clear walking space of 0.4 m. We have considered the seating steps to be 900mm wide with fixed floor mounted seating.

The provision of adequate viewing standards in a stadium is a crucial factor in ensuring that seated accommodation is both safe and serves its intended purpose. The Green Guide (Department of Culture, Media, and Sports, UK) has specified the standard sightlines and c-value for stadium seating.

The term sightline refers to the ability of a spectator to see a predetermined focal point over the top of the heads of the spectators immediately in front. The better the quality of the sightline, the more likely it is that spectators will remain seated during the event. Ensuring adequate sightlines is, therefore, an important part of providing safe seated accommodation. The quality of a sightline is often expressed as a 'C-Value'. The recommended C-Value for spectators varies according to the sport. The C-Values can be described as shown on the table below:

TABLE 2: C-VALUE

C-VALUE (MM)	DESCRIPTION
60	Need to look between heads in front.
90	Can see well with head tilted backwards
120	Optimal viewing Standard
150	Can see well even if over spectators with hats

To calculate the appropriate ‘C’ value for the sport to be viewed, the following formula applies:

$$C = \{D(N+R)/D+T\} - R$$

The horizontal distance from the eye to the point of focus (D) is not explicitly defined. This is because the initial value of D can be calculated as:

$$D = \text{Seating step width (T)} - \text{eye offset from rear of row (A)} + \text{focus distance (F)}$$

Key to diagram:

- C = the ‘C’ value
- D = the horizontal distance from the eye to the point of focus
- N = the riser height
- R = the vertical height to the point of focus
- T = the seating row depth

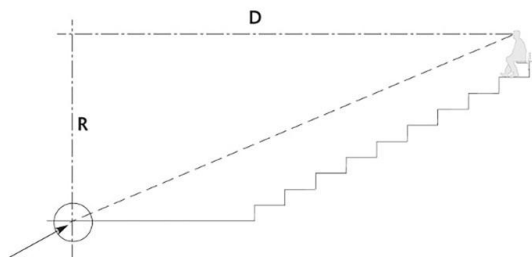


Figure 4: LINE OF SIGHT

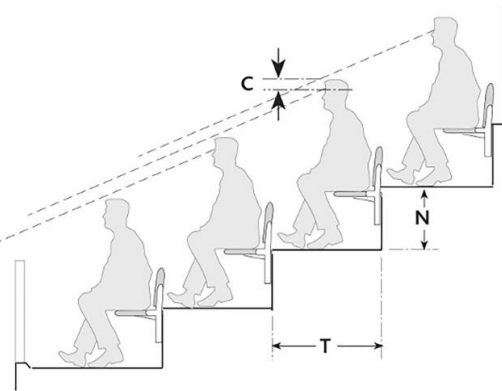


Figure 5: Seating Standards

SOURCE: GREEN GUIDE, UK

Seating row width (T) relates to what the Green Guide terms a ‘clearway’. The clearway is the distance between the foremost projection of one seat and the back of the seat in front of it. The size of the clearway determines how safely and freely spectators and other personnel can move along rows of seats. The minimum clearway should be 400mm. It is therefore recommended that the seating row depth (T) should be at least 800mm, although 850 - 900mm is more common.

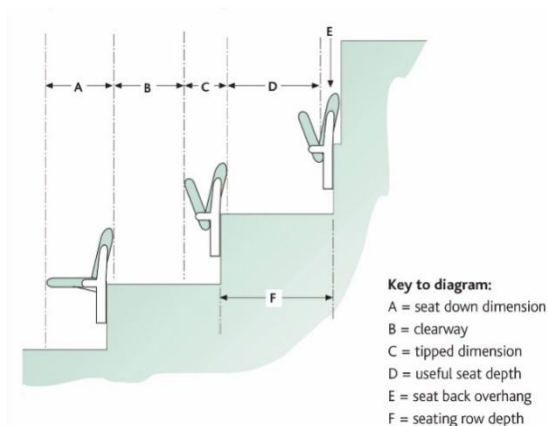


Figure 6: Seating Standards.

SOURCE: GREEN GUIDE, UK

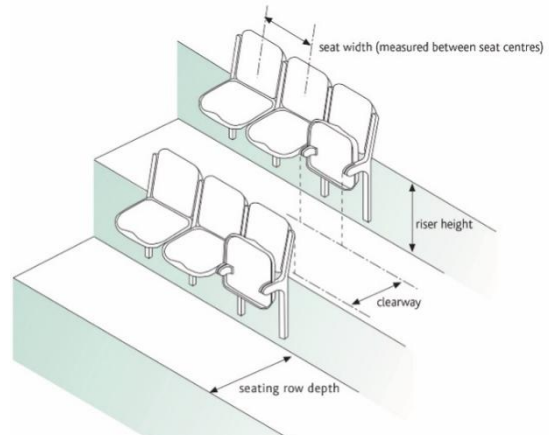


Figure 7: Seating Standards

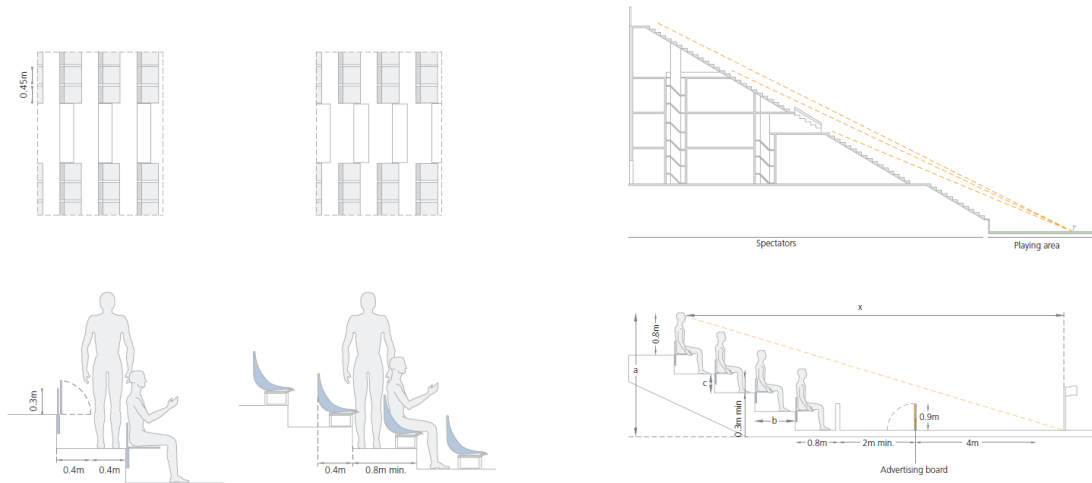


Figure 8: Seating Standards.

SOURCE: FIFA TECHNICAL RECOMMENDATIONS AND REQUIREMENTS,2007.

Need of The Project

The existing ground at Zemabawk is already used to play futsal/football by the local community but lacks the basic amenities and a proper football pitch. The project can prove to be a sports hub for the local community. The proposed futsal courts can be used as a practice ground and can host a number of local matches.

Practice grounds promote sports in the local community.

They help to patronize health and fitness.

Playgrounds can help in encourage local sportsmen.

Connectivity

As the Site lacks a proper access road and has no connection to the city, it would require a proper vehicular connection for efficient movement and access.

Site Analysis

Zemabawk Mitla Mual Playground

Project Site

The site of the Mitla Mual playground is located at Zemabawk, Aizawl. The site does not have a proper access road and has valley on both the longer sides. The allotted land is majorly flat which is ideal for a playground. The lack of access road is a challenge and the proposed site is far away from the city.

TABLE 3: LOCATION OF ZEMABAWK MITLA MUAL PLAYGROUND

Location	Coordinates
Mitla Mual Playground	Latitude : 23° 43'33.03" N Longitude : 92°44'50.51" E
Site Area	1.108 Acres



Figure 10: Location Of Site

SOURCE : Consultant

Current Scenario

Currently, the Site does not have a proper access road. The site has a steep valley on both the sides. The allotted land is majorly flat, which is ideal for a playground. The site is far away from the main city and would require a proper road connection for efficient vehicular movement.

The allotted land is an ideal location for a playground, as it is majorly flat. As there is no playground in close vicinity of the site, it can help in promoting sports among the local community. The site is located at a hill top, it has the views of the valley on both the sides. The land around the site has a heavy vegetation cover. The existing ground is used by the local sportsmen to play various sports.

Site Images



Figure 11: Site Image

SOURCE: Consultant during site visit



Figure 12: Access Road Towards the east side.



Figure **Error! No text of specified style in document.-9**: Valley on both the sides.

SOURCE: Consultant during site visit



Figure 13: Lack of proper access road to site.

SOURCE: Consultant during site visit

Slope analysis

The land allotted is primarily flat but has steep contour towards north and south. The existing ground level is at Level + 819.



Figure 14: Slope Analysis

SOURCE: CONSULTANT



Figure 15: Site Section
SOURCE: CONSULTANT

SWOT analysis

TABLE 4: SWOT ANALYSIS OF THE SITE FOR MITLA MUAL PLAYGROUND

<p>Strength:</p> <p>The Site has a large flat land, which is sufficient enough for futsal ground.</p> <p>Opportunity</p> <p>The playground will promote local sportsmen.</p> <p>The playground will help in promoting fitness in the local community.</p>	<p>Weakness:</p> <p>No proper vehicular connectivity to site</p> <p>The site is far away from the city.</p> <p>Threat</p> <p>Considering the steep contours towards the north and the south, retaining walls would be required, which would elevate the Cost of the building.</p>
---	---

Feasibility study

Zemabawk Mitla Mual Playground



Figure 16: Proposed Design
SOURCE : CONSULTANT

Three Futsal Courts have been proposed which can be used as practice courts and can also host local matches. The major contour has been used to place the futsal courts in the plan. A 2500mm wide Jogging track has also been proposed. The pavilion has been designed considering the line of sight and C-value for each spectator. The slope on both sides would enhance the visual connection between the environment and the people.

Promoting Sports among the local community:

The playground is planned at a strategic location to promote sports and enhance the opportunities for local sportsmen. As the existing ground is used by the local sportsmen to play various sports, the futsal courts will ensure better sports facilities for the community. The practice ground would ensure world class facilities

Accessibility (Vehicular and pedestrian) :

As currently the site lacks proper connectivity and there is no existing access, a 5500 mm wide road has been proposed with off street parking. The road will ensure proper vehicular connectivity between the Stadium and the city of Aizawl.

Barrier Free:

The design is accessible to people with special abilities as well. A Differently Abled Toilet has been provided near the entrance. An off street parking is also designed for differently abled people.

Area Program

TABLE 5: AREA PROGRAM FOR PROPOSED DESIGN

AREA STATEMENT

Site Area	1.1080 (4,487.90 SQ.M.)
Ground Coverage (Proposed)	555.660 SQ.M. (12.4%)
Ground Coverage (Permissible)	2,243.95 SQ.M. (50%)

Site Plan

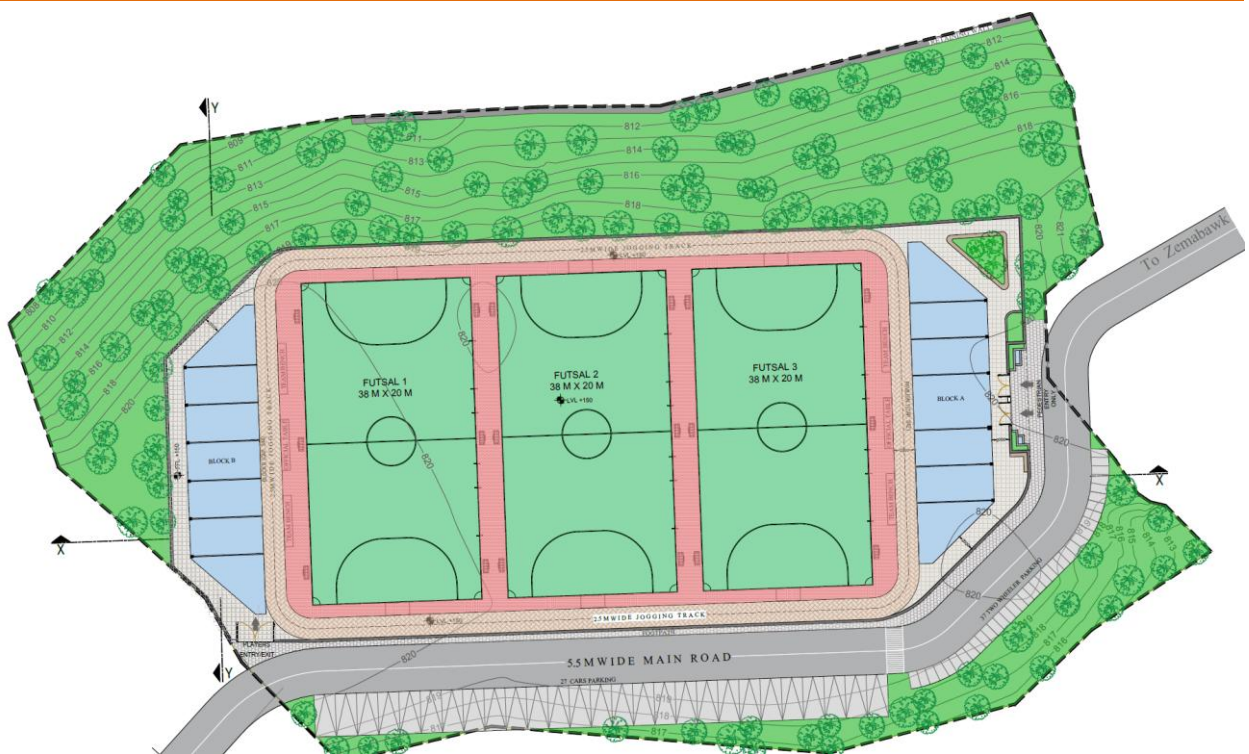


Figure 17: Concept

SOURCE : CONSULTANT

Three Futsal Grounds (38 x 20m) are proposed in the Stadium, which would be able to host a number of practice sessions and matches. The pavilions are designed considering the requirement of Local matches. The Stadium would be able to accommodate 686 visitors. The Block – A of the stadium is designed as an entrance block, which has a Ticket Counter, Administration Office, Snacks and Beverages corner and Toilets for visitors. The differently abled Toilet is placed close to the entrance lobby to provide an easy access for wheelchair users. The Block – B Pavilion can host 344 visitors and also has a lounge, players lockers/ washrooms, store and an area for DG Sets.

Zoning

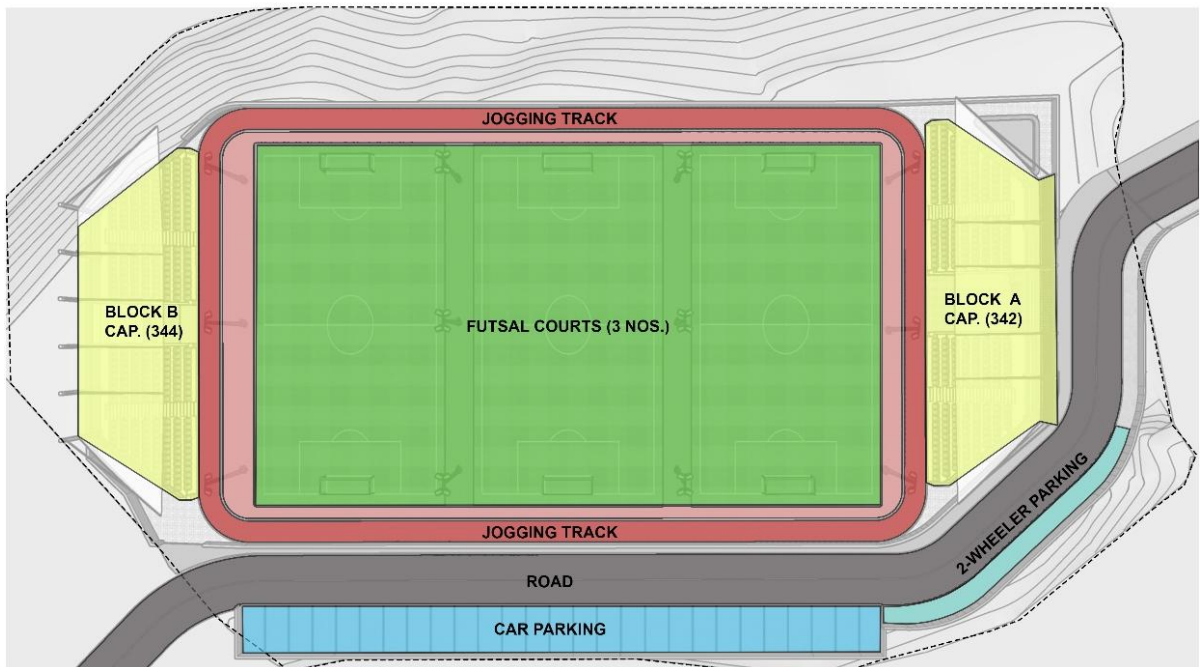


Figure 18: Zoning

SOURCE : CONSULTANT

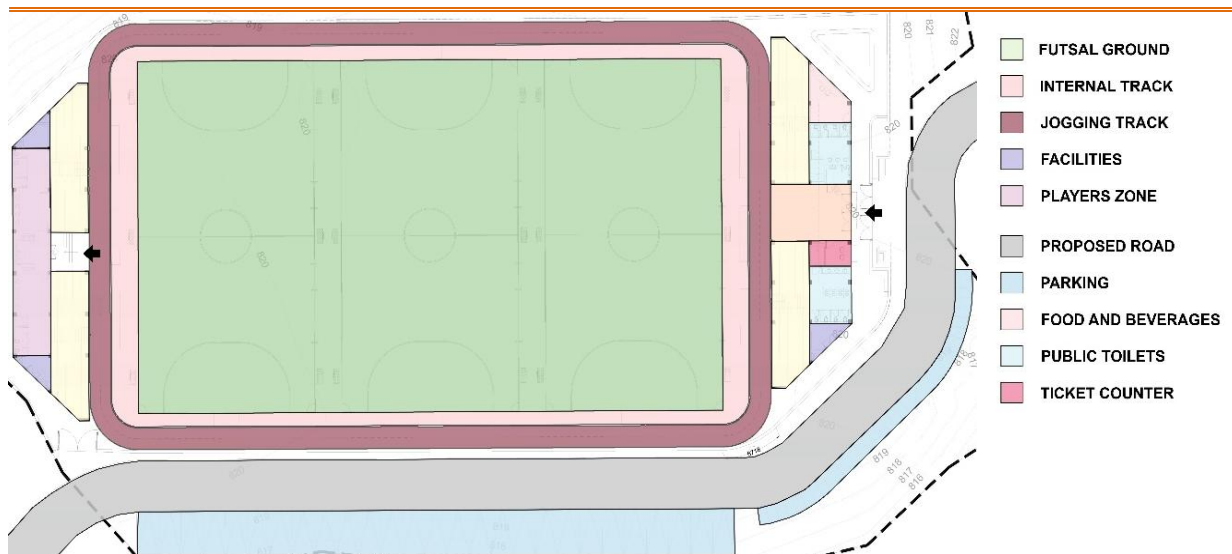


Figure 19: Zoning

SOURCE : CONSULTANT



Figure 20: Proposed Design

SOURCE : CONSULTANT

TABLE 6: PROPOSAL FOR DEVELOPMENT OF MITLA MUAL STADIUM.

S.No.	Proposal	Nos. / Location
1	Parking (4 Wheelers)	12
2	Ticket collection point	Entrance
3	Futsal Ground	3 (38x20M)
4	Jogging Track	2000 mm wide
5	Parking (2 Wheelers)	37
6	Seating	686
7	Snack Counter	Entrance
8	Differently Abled Washrooms	Yes
9	Access Road (Proposed)	5500 mm wide
10	Changing room and lockers (Players)	2 (5.8 X 4.8 approx.)
11	Lounge (Players)	2 (Male and Female)

Services

Electrical :

Lighting : Horizontal luminance of 200 lux is considered as per the guidelines by Sports Authority of India for Class I, Training and Recreation purposes (Pg – 78).

DG Sets : An enclosed area has been proposed for DG Sets in Block - B.

Plumbing :

Cold and Hot water supply is proposed in all the washrooms and showers. An underground Fresh Water and Fire Tank has been proposed to cater the water supply requirements of the playground.

Structure:

RCC Framed Structure has been proposed with a polycarbonate roof, tied through steel columns. The trusses will flange out from the steel columns, which are mounted on top of the RCC columns.

Drainage:

The drainage of the site will be disposed into a septic tank and will be connected to the city drain.

Structural Design

Introduction

The said project comes in Seismic Zone - V and the dynamic analysis of structure is done for earthquake loads acting on it as stated in IS: 1893 – 2016. Structure is analysed as space frames and design of beams and columns has been carried out using software STAAD PRO Connect edition. The raft / combined are designed manually with excel software considering output from the STAAD analysis. Slabs & Staircase are designed using excel and with manual calculations. Retaining walls are designed using manual calculations.

Building Description

It consists of two stands on both sides of playground facing opposite to each other namely, BLOCK-A and BLOCK-B and a RETAINING WALL.

BLOCK-A

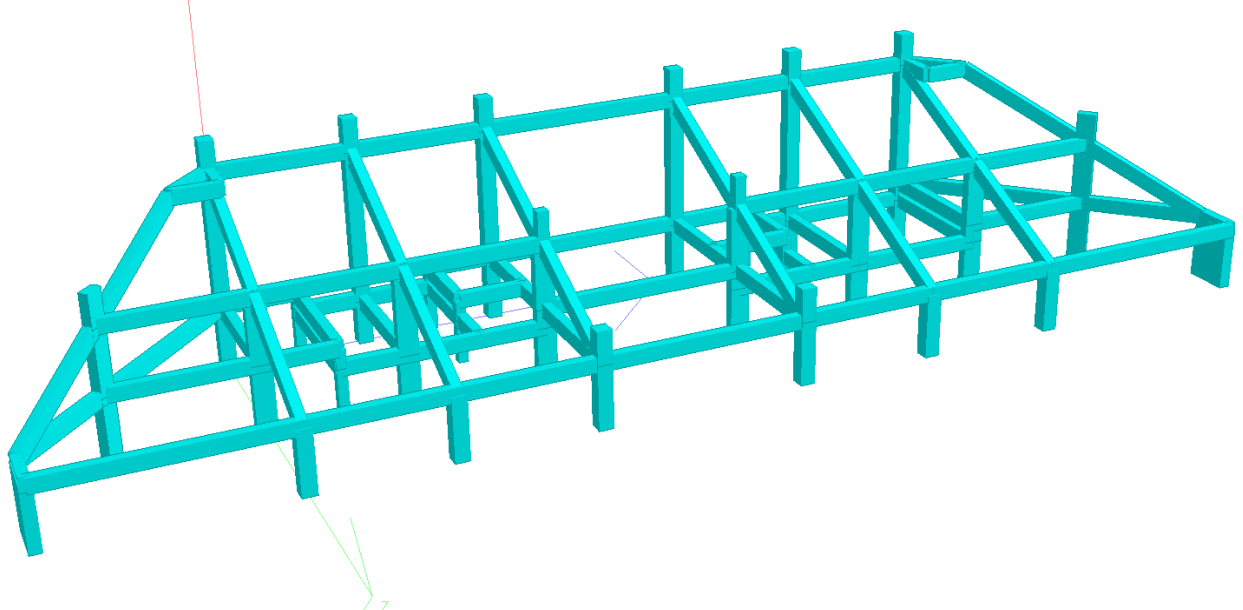


Figure 21: 3-D View for block-A
SOURCE : CONSULTANT

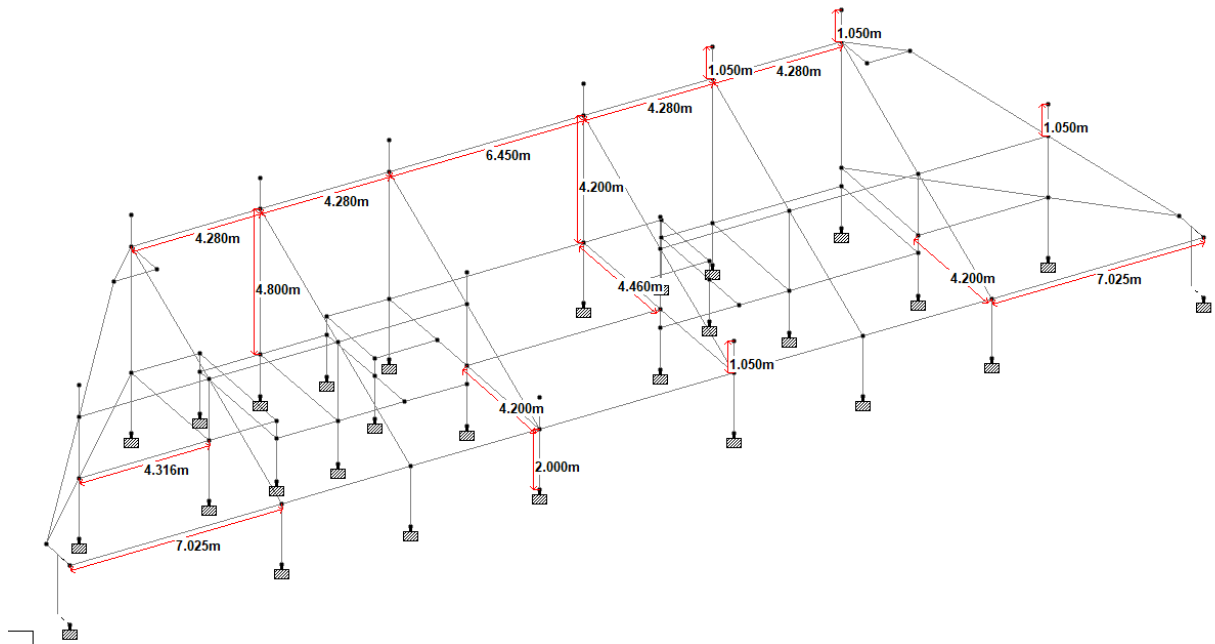


Figure 22: Dimensions for block-A
SOURCE : CONSULTANT

BLOCK-B

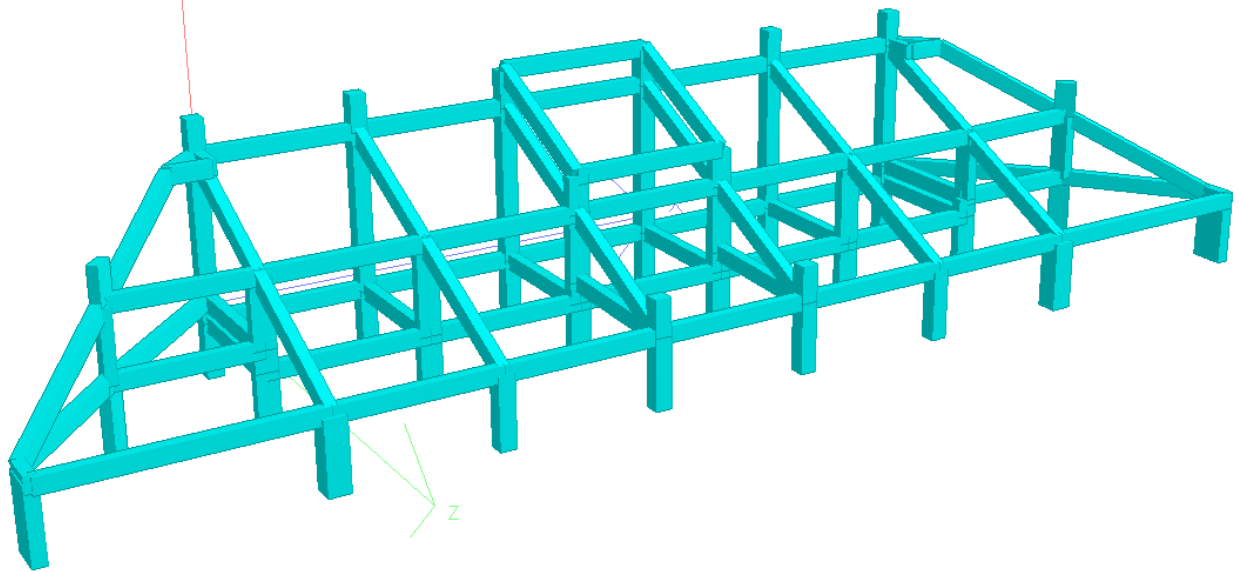


Figure 23: 3-D View for block-B
SOURCE : CONSULTANT

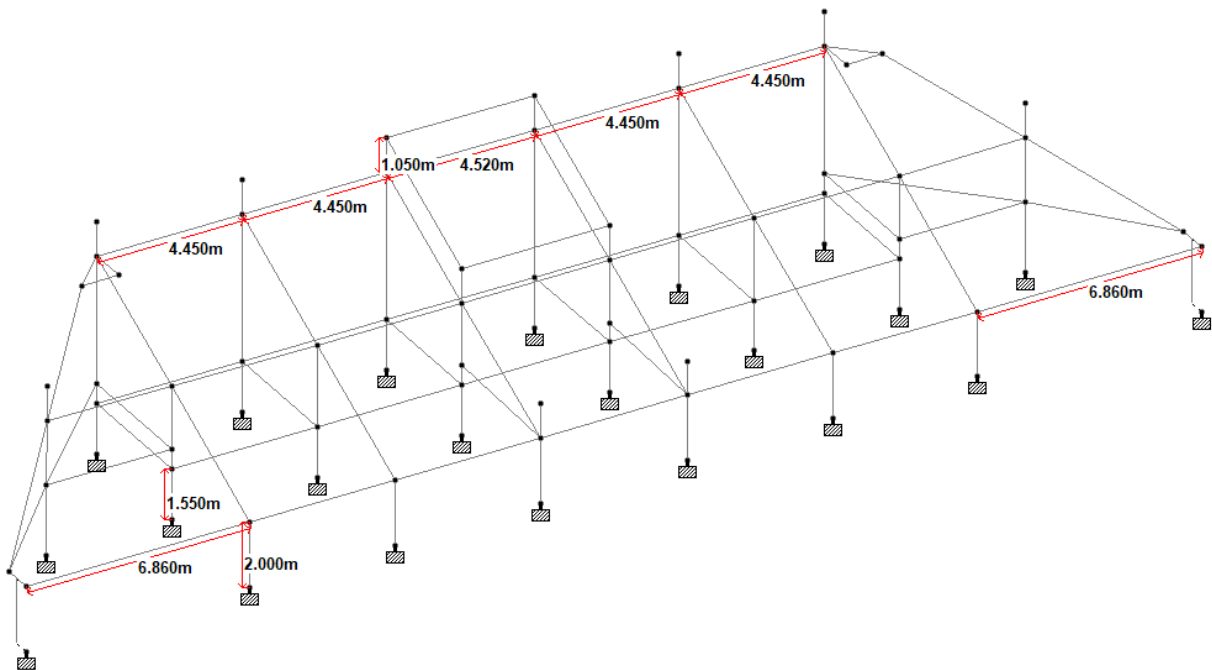


Figure 24: Dimensions for block-B
SOURCE : CONSULTANT

RETAINING WALL

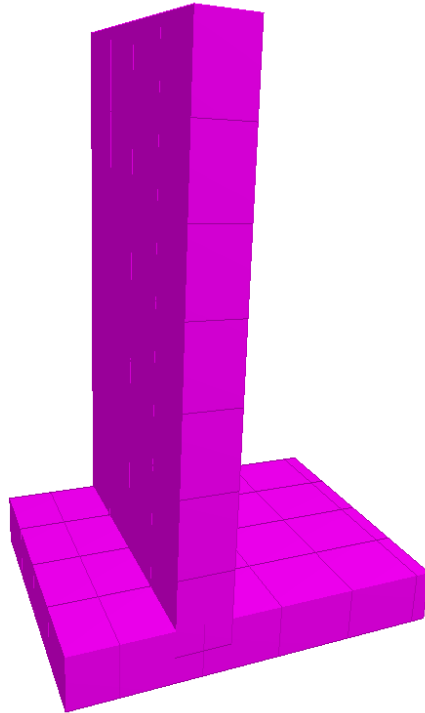


Figure 25: 3-D View for Retaining Wall
SOURCE : CONSULTANT

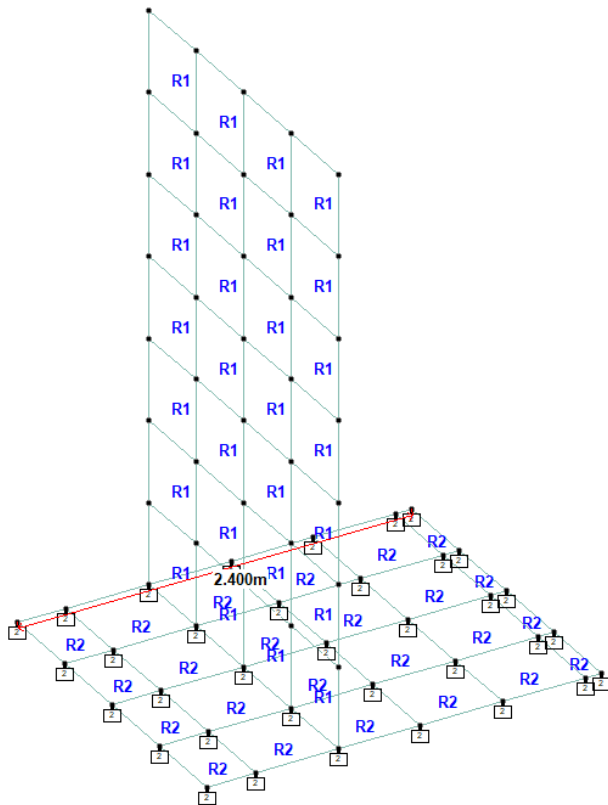


Figure 26: Dimensions for Retaining Wall

SOURCE : CONSULTANT

Retaining wall is 2m deep from NGL with both wall and base slab thickness of 350mm.

Sliding and Overturning checks have been done through manual calculations whereas checks for shear and crack width have been done through excel sheets.

Loads Considered

Dead Load

Live Load

Earthquake Load:

Earthquake Load

For Earthquake analysis Zone V is considered and response spectrum analysis is done for all the structures.

Zone –V, (seismic coefficient - 0.36).

Importance factor I = 1.5

Response reduction factor = 5.

$$A^h = ZIS(a)/(2Rg)$$

Provided that for any structure with $T \leq 0.1$ s, the value of A(h) will not be taken less than Z/2 whatever be the value of I/R

Where,

Z= Zone factor given in table 2, is for the Maximum Considered Earthquake (MCE) and service life of structure in a zone. The factor 2 in the denominator of Z is used so as to reduce the Maximum Considered Earthquake (MCE) zone factor to the factor for Design Basis Earthquake (DBE).

I= Importance factor, depending upon the functional use of the structures, characterised by hazardous consequences of its failure, post-earthquake functional needs, historic value, or economic importance.

R= Response reduction factor, depending on the perceived seismic damage performance of the structure, characterised by ductile and brittle deformations. However, the ratio (I/R) shall not be greater than 1.0(Table). The values of R for buildings are given in Table.

Sa/g= Average response acceleration coefficient.

Wind Load

The basic wind speed of 55m/s is considered for AIZAWL and is applied in superstructure.

Design Wind Speed (V2)

The basic wind speed (Vb) for any site shall be obtained from Fig. 1 and shall be obtained from and shall be modified to include the following effects to get design wind speed, Vz at any height z, for the chosen structure:

Risk Level

Terrain roughness and height of structure,

Local topography, and

Importance factor for the cyclonic region

It can be mathematically expressed as follows:

$$V_z = V_b k_1 k_2 k_3 k_4$$

Where,

V_z = design wind speed at height z in m/s; K_1 = Probability Factor (risk coefficient); K_2 = terrain roughness and height factor K_3 = topography Factor, and K_4 = importance factor for the cyclonic region

Hence,

$$\begin{aligned} V_z &= V_b \times K_1 \times K_2 \times K_3 \times K_4 \\ &= 55 \times 1.08 \times 0.91 \times 1.0 \times 1.0 \\ &= 54.054 \text{ m/s} \end{aligned}$$

Wind Pressure

$$P_z = 0.6 \cdot V_z^2$$

$$\begin{aligned} P_z &= 0.6 \times 54.054 \times 54.054 \\ &= 1753 \text{ N/m}^2 \end{aligned}$$

Load Combination for Superstructure

TABLE 7: Load combination for superstructure-TABLE 18 (IS456:2016)

Load Combination	Limit State of Collapse			Limit state of serviceability		
	DL	IL	WL	DL	IL	WL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
DL+IL	1.5		1.0	1.0	1.0	-
DL+WL	1.5/0.9	-	1.5	1.0	-	1.0
DL+IL+WL	1.2			1.0	0.8	0.8

NOTES

While considering earthquake effects, substitute EL or WL.

For the limit state of serviceability, the values of Y_f given in this table are applicable for short term effects. While assessing the long-term effects due to creep the dead load and that part of the live load likely to be permanent may only be considered.

This value is to be considered when stability against overturning or stress reversal is critical.

load Combination For Footing (Is 1904):

Foundations shall be proportioned for the following combination of loads:

- a) Dead load + live load, and
- b) Dead load + live load + wind load or seismic load.

$$DL+LL$$

$$(DL+LL \pm EQX)$$

$$(DL+LL \pm EQZ)$$

$$(DL+LL \pm EQY)$$

$$DL+LL \pm WIND (X)$$

$$DL+LL \pm WIND (Z)$$

Note 1: Here X and Z are the orthogonal plan directions. Vertical direction has been taken as Y-Direction.

Note 2: IS-1893 (Part-1): 2016, Clause 6.3.2, Shall be adopted only when both horizontal direction earthquake is considered. Load combinations shall be considered accordingly as per code.

Load Combination For Retaining Wall

Load combinations have been considered for strength design from IBC 2012 section 1605.2

Assumptions

Grade of concrete for superstructure: M-25

Grade of concrete for basement/ lower ground floor: M-25

Grade of steel: Fe-500.

Safe Bearing Capacity considered as 20 T/m² at 2.0m deep from NGL

Unit weight of soil: 19 kN/m³.

Unit weight of bricks: 18 kN/m³.

Angle of internal friction: 40 degree.

Earthquake Zone: V

Wind speed: 55 m/s

The dynamic analysis has been done of the structure.

Software used: STAAD - PRO Connect edition.

Type of soil assumed is HARD.

The STEEL ROOF TRUSS Load is considered in the RCC columns wherever required.

Sub soil water table

The water table and the sub soil data will only be known after the results of geotechnical report. However, the contractor on board will redesign the structure as per revised geo-technical report.

List of Indian standard codes/ references

IS 875 – Part – I (for unit weight of materials like concrete, bricks etc.)

IS 875 – Part –II (live loads / imposed loads).

IS 875 – Part – III (for wind load).

IS 1893 -2016 (for earthquake loading in a building).

IS 456 -2000 (plain and reinforced concrete – code of practice).

SP-16 (Design aids of reinforced concrete).

IS 13920 -2016 (Ductile Design and Detailing of Reinforced Concrete Structures Subjected to Seismic forces)

IS 1904 (Load combinations for Footings)

Personnel Requirements

Using Form PER-1 and PER-2 in Section 4 (Bidding Forms), the Bidder must demonstrate it has personnel that meet the following requirements:

No.	Position	Experience In Similar Work [years]
1	Project Manager 1 No	5
2	Graduate Civil Engineers 1 No	3
3	Junior Engineer 3 No	2

Equipment Requirements

Using Form EQU in Section 4 (Bidding Forms), the Bidder must demonstrate it has the key equipment listed below:

No.	Equipment Type and Characteristics	Minimum Number Required
1	Mobile Crane	2 nos.
2	Reversible Drum Concrete Mixer	2 Nos
3	Weigh Batchers	6 Nos
4	Shutter Vibrator	6 Nos
5	Needle Vibrator	6 Nos
6	Trucks (10 Tons)	3 Nos
7	Generator 40 KVA or above	2 Nos.

Section 6 - General Conditions of Contract

Name of Employer: Aizawl Smart City Limited, Urban Development & Poverty Alleviation Department, Government of Mizoram

Name of Contract: Construction of Zemabawk Mitla Mual Play Ground

Table of Clauses

A. General	5
1. Definitions.....	5
2. Interpretation	7
3. Language and Law	8
4. Contract Agreement.....	8
5. Assignment.....	8
6. Care and Supply of Documents	8
7. Confidential Details.....	8
8. Compliance with Laws	9
9. Joint and Several Liability	9
10. Project Manager's/CEO's Decisions	9
11. Delegation	10
12. Communications	10
13. Subcontracting.....	10
14. Other Contractors	10
15. Personnel and Equipment.....	10
16. Employer's and Contractor's Risks	10
17. Employer's Risks	10
18. Contractor's Risks.....	11
19. Insurance.....	11
20. Site Investigation Reports	11
21. Contractor to Construct the Works	11
22. The Works to Be Completed by the Intended Completion Date	11
23. Designs by Contractor and Approval by the Project Manager/CEO	12
24. Safety.....	12
25. Discoveries	12
26. Possession of the Site	12
27. Access to the Site	12
28. Instructions, Inspections and Audits.....	12
29. Appointment of the Adjudicator	13
30. Procedure for Disputes	13
31. Forced Labor	13
32. Child Labor	13
33. Workers' Organizations	14
34. Non-Discrimination and Equal Opportunity	14
35. Program.....	14
36. Extension of the Intended Completion Date	15
37. Acceleration.....	15
38. Delays Ordered by the Project Manager/CEO	15
39. Management Meetings	16
40. Early Warning	16
B. Quality Control	16

41. Identifying Defects	16
42. Tests	16
43. Correction of Defects	16
44. Uncorrected Defects	17
C. Cost Control	17
45. Contract Price	17
46. Changes in the Contract Price	17
47. Variations	17
48. Cash Flow Forecasts	18
49. Payment Certificates	18
50. Payments	19
51. Compensation Events	19
52. Tax	20
53. Retention	20
54. Liquidated Damages	20
55. Advance Payment	21
56. Securities	21
57. Dayworks	21
58. Cost of Repairs	21
59. Definition of Force Majeure	21
60. Notice of Force Majeure	22
61. Duty to Minimize Delay	22
62. Consequences of Force Majeure	22
63. Force Majeure Affecting Subcontractor	23
64. Optional Termination, Payment and Release	23
65. Release from Performance	24
D. Finishing the Contract	24
66. Completion	24
67. Taking Over	24
68. Final Account	24
69. Operating and Maintenance Manuals	24
70. Termination	24
71. Fraud and Corruption	25
72. Payment upon Termination	26
73. Property	26
74. Release from Performance	26

General Conditions of Contract

A. General

1. Definitions

- 1.1 Boldface type is used to identify defined terms.
- (a) The **Accepted Contract Amount** means the amount accepted in the Letter of Acceptance for the execution and completion of the Works and the remedying of any defects.
 - (b) The **Activity Schedule** is a schedule of the activities comprising the construction, installation, testing, and commissioning of the Works in a lump sum contract. It includes a lump sum price for each activity, which is used for valuations and for assessing the effects of Variations and Compensation Events.
 - (c) The **Adjudicator** is the person appointed jointly by the Employer and the Contractor to resolve disputes in the first instance, as provided for in GCC 29.1[Appointment of Adjudicator] hereunder.
 - (d) **Bill of Quantities** means the priced and completed Bill of Quantities forming part of the Bid.
 - (e) **Compensation Events** are those defined in GCC 51.1 hereunder.
 - (f) The **Completion Date** is the date of completion of the Works as certified by the Project Manager/CEO, in accordance with GCC 69.1 [Completion].
 - (g) The **Contract** is the Contract between the Employer and the Contractor to execute, complete, and maintain the Works. It consists of the documents listed in GCC 2.3 below.
 - (h) The **Contractor** is the party whose Bid to carry out the Works has been accepted by the Employer.
 - (i) The **Contractor's Bid** is the completed bidding document submitted by the Contractor to the Employer.
 - (j) The **Contract Price** is the Accepted Contract Amount stated in the Letter of Acceptance and thereafter as adjusted in accordance with the Contract.
 - (k) **Days** are calendar days; months are calendar months.
 - (l) **Dayworks** are varied work inputs subject to payment on a time basis for the Contractor's employees and Equipment, in addition to payments for associated Materials and Plant.
 - (m) A **Defect** is any part of the Works not completed in accordance with the Contract.
 - (n) The **Defects Liability Certificate** is the certificate issued by Project Manager/CEO upon correction of defects by the Contractor.
 - (o) The **Defects Liability Period** is the period calculated from the Completion Date where the Contractor remains responsible for

- remedying defects.
- (p) **Drawings** include calculations and other information provided or approved by the Project Manager/CEO for the execution of the Contract.
 - (q) The **Employer** is the party who employs the Contractor to carry out the Works, as specified in the **PCC**.
 - (r) **Equipment** is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.
 - (s) **Force Majeure** means an exceptional event or circumstance: which is beyond a Party's control; which such Party could not reasonably have provided against before entering into the Contract; which, having arisen, such Party could not reasonably have avoided or overcome; and, which is not substantially attributable to the other Party.
 - (t) **In writing** or **written** means hand-written, type-written, printed or electronically made, and resulting in a permanent record.
 - (u) The **Initial Contract Price** is the Contract Price listed in the Employer's Letter of Acceptance.
 - (v) The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the **PCC**. The Intended Completion Date may be revised only by the Project Manager/CEO by issuing an extension of time or an acceleration order.
 - (w) **Letter of Acceptance** means the formal acceptance by the Employer of the Bid and denotes the formation of the Contract at the date of acceptance.
 - (x) **Materials** are all supplies, including consumables, used by the Contractor for incorporation in the Works.
 - (y) "**Party**" means the Employer or the Contractor, as the context requires.
 - (z) **PCC** means Particular Conditions of Contract
 - (aa) **Plant** is any integral part of the Works that shall have a mechanical, electrical, chemical, or biological function.
 - (bb) **Chief Executive Officer (CEO)** is a person appointed by the Government of Mizoram as the head of Aizawl Smart City Limited and is referred to as CEO, a short form, in the rest of contract agreement.
 - (cc) The **Project Manager** is the person named in the **PCC** (or any other competent person appointed by the Employer and notified to the Contractor, to act in replacement of the Project Manager/ Chief Executive Officer) who is responsible for supervising the execution of the Works and administering the Contract.
 - (dd) **Retention Money** means the aggregate of all monies retained by the Employer pursuant to GCC 55.1 [Retention].
 - (ee) **Schedules** means the document(s) entitled schedules, completed by the Contractor and submitted with the Letter of

Tender, as included in the Contract. Such document may include the Bill of Quantities, data, lists, and schedules of rates and/or prices.

- (ff) The **Site** is the area defined as such in the **PCC**.
- (gg) **Site Investigation Reports** are those that were included in the bidding documents and are factual and interpretative reports about the surface and subsurface conditions at the Site.
- (hh) **Specification** means the Specification of the Works included in the Contract and any modification or addition made or approved by the Project Manager/ Chief Executive Officer.
- (ii) The **Start Date** is given in the **PCC**. It is the latest date when the Contractor shall commence execution of the Works. It does not necessarily coincide with any of the Site Possession Dates.
- (jj) A **Subcontractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract, which includes work on the Site.
- (kk) **Temporary Works** are works designed, constructed, installed, and removed by the Contractor that are needed for construction or installation of the Works.
- (ll) A **Variation** is an instruction given by the Project Manager/ Chief Executive Officer. which varies the Works.
- (mm) The **Works** are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the **PCC**.

2. Interpretation

- 2.1 In interpreting these GCC, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Project Manager/ Chief Executive Officer. shall provide instructions clarifying queries about these GCC.
- 2.2 If sectional completion is specified in the **PCC**, references in the GCC to the Works, the Completion Date, and the Intended Completion Date apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).
- 2.3 The documents forming the Contract shall be interpreted in the following order of priority:
 - (a) Contract Agreement,
 - (b) Letter of Acceptance,
 - (c) Letters of Technical Bid and Price Bid,
 - (d) Particular Conditions of Contract,
 - (e) General Conditions of Contract,
 - (f) Specifications,
 - (g) Drawings,

- (h) Completed Activity Schedules or Bill of Quantities, and
- (i) any other document listed in the **PCC** as forming part of the Contract.
- 3. Language and Law** 3.1 The language of the Contract and the law governing the Contract is English.
- 4. Contract Agreement** 4.1 The Parties shall enter into a Contract Agreement within 28 days after the Contractor receives the Letter of Acceptance, unless the Particular Conditions establish otherwise. The Contract Agreement shall be based upon the attached Contract forms in Section 8. The costs of stamp duties and similar charges (if any) imposed by law in connection with entry into the Contract Agreement shall be borne by the Employer.
- 5. Assignment** 5.1 Neither Party shall assign the whole or any part of the Contract or any benefit or interest in or under the Contract. However, either Party:
- (a) may assign the whole or any part with the prior agreement of the other Party, at the sole discretion of such other Party, and
- (b) may, as security in favor of a bank or financial institution, assign its right to any moneys due, or to become due, under the Contract.
- 6. Care and Supply of Documents** 6.1 The Specification and Drawings shall be in the custody and care of the Employer. Unless otherwise stated in the Contract, two copies of the Contract and of each subsequent Drawing shall be supplied to the Contractor, who may make or request further copies at the cost of the Contractor.
- 6.2 Each of the Contractor's Documents shall be in the custody and care of the Contractor, unless and until taken over by the Employer. Unless otherwise stated in the Contract, the Contractor shall supply to the Engineer six copies of each of the Contractor's Documents.
- 6.3 The Contractor shall keep, on the Site, a copy of the Contract, publications named in the Specification, the Contractor's Documents (if any), the Drawings and Variations and other communications given under the Contract. The Employer's Personnel shall have the right of access to all these documents at all reasonable times.
- 6.4 If a Party becomes aware of an error or defect in a document which was prepared for use in executing the Works, the Party shall promptly give notice to the other Party of such error or defect.
- 7. Confidential Details** 7.1 The Contractor's and the Employer's Personnel shall disclose all such confidential and other information as may be reasonably required in order to verify the Contractor's compliance with the Contract and allow its proper implementation.
- 7.2 Each of them shall treat the details of the Contract as private and confidential, except to the extent necessary to carry out their respective obligations under the Contract or to comply with applicable Laws. Each of them shall not publish or disclose any particulars of the Works prepared by the other Party without the previous agreement of the other Party. However, the Contractor shall be permitted to disclose any publicly available information, or information otherwise required to

establish his qualifications to compete for other projects.

- 7.3 Notwithstanding the above, the Contractor may furnish to its Subcontractor(s) such documents, data and other information it receives from the Employer to the extent required for the Subcontractor(s) to perform its work under the Contract, in which event the Contractor shall obtain from such Subcontractor(s) an undertaking of confidentiality similar to that imposed on the Contractor under this Clause.

8. Compliance with Laws

- 8.1 The Contractor shall, in performing the Contract, comply with applicable Laws.

- 8.2 Unless otherwise stated in the Particular Conditions:

- (a) the Employer shall acquire and pay for all permits, approvals and/or licenses from all local, state or national government authorities or public service undertakings in the Employer's Country/State (i) such authorities or undertakings require the Employer to obtain in the Employer's name, and (ii) are necessary for the execution of the Contract, including those required for the performance by both the Contractor and the Employer of their respective obligations under the Contract;
- (b) the Contractor shall acquire and pay for all permits, approvals and/or licenses from all local, state or national government authorities or public service undertakings in the which such authorities or undertakings require the Contractor to obtain in its name and which are necessary for the performance of the Contract, including, without limitation, visas/Inner Line Permit (ILP) for the Contractor's and Subcontractor's personnel and entry permits for all imported Contractor's Equipment. The Contractor shall acquire all other permits, approvals and/or licenses that are not the responsibility of the Employer under Sub-Clause 8.2(a) hereof and that are necessary for the performance of the Contract. The Contractor shall indemnify and hold harmless the Employer from and against any and all liabilities, damages, claims, fines, penalties and expenses of whatever nature arising or resulting from the violation of such laws by the Employer or its personnel, including the Subcontractors and their personnel, but without prejudice to Sub-Clause 8.1 hereof.

9. Joint and Several Liability

- 9.1 If the Contractor is a joint venture, consortium, or association (JVCA) of two or more persons, all such persons shall be jointly and severally liable to the Employer for the fulfillment of the provisions of the Contract, unless otherwise specified in the **PCC**, and shall designate one of such persons to act as a leader with authority to bind the JVCA. The composition or the constitution of the JVCA shall not be altered without the prior consent of the Employer.

10. Project Manager's/ Chief Executive Officer's Decisions

- 10.1 Except where otherwise specifically stated, the Project Manager/ Chief Executive Officer shall decide contractual matters between the Employer and the Contractor in the role representing the Employer.

- 11. Delegation** 11.1 The Project Manager/ Chief Executive Officer may delegate any of his duties and responsibilities to other people, except to the Adjudicator, after notifying the Contractor, and may cancel any delegation after notifying the Contractor.
- 12. Communications** 12.1 Communications between parties that are referred to in the Conditions shall be effective only when in writing. A notice shall be effective only when it is delivered.
- 13. Subcontracting** 13.1 The Contractor may subcontract with the approval of the Project Manager/ Chief Executive Officer, but may not assign the Contract without the approval of the Employer in writing. Subcontracting shall not alter the Contractor's obligations.
- 14. Other Contractors** 14.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer between the dates given in the Schedule of Other Contractors, as referred to in the **PCC**. The Contractor shall also provide facilities and services for them as described in the Schedule. The Employer may modify the Schedule of Other Contractors, and shall notify the Contractor of any such modification.
- 15. Personnel and Equipment** 15.1 The Contractor shall employ the key personnel and use the equipment identified in its Bid to carry out the functions stated in the Schedule or other personnel and equipment approved by the Project Manager/ Chief Executive Officer. The Project Manager/ Chief Executive Officer shall approve any proposed replacement of key personnel and equipment only if their relevant qualifications or characteristics are substantially equal to or better than those proposed in the Bid.
- 15.2 If the Project Manager/ Chief Executive Officer asks the Contractor to remove a person who is a member of the Contractor's staff or work force, stating the reasons, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.
- 15.3 If the Employer, Project Manager/ Chief Executive Officer or Contractor determines, that any employee of the Contractor be determined to have engaged in corrupt, fraudulent, collusive, coercive, or other prohibited practices during the execution of the Works, then that employee shall be removed in accordance with Clause 15.2 above.
- 16. Employer's and Contractor's Risks** 16.1 The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.
- 17. Employer's Risks** 17.1 From the Start Date until the Defects Liability Certificate has been issued, the following are Employer's risks:
- (a) The risk of personal injury, death, or loss of or damage to property (excluding the Works, Plant, Materials, and Equipment), which are due to
 - (i) use or occupation of the Site by the Works or for the purpose of the Works, which is the unavoidable result of the Works or
 - (ii) negligence, breach of statutory duty, or interference with any legal right by the Employer or by any person employed

by or contracted to him except the Contractor.

- (b) The risk of damage to the Works, Plant, Materials, and Equipment to the extent that it is due to a fault of the Employer or in the Employer's design, or due to war or radioactive contamination directly affecting the country where the Works are to be executed.

17.2 From the Completion Date until the Defects Liability Certificate has been issued, the risk of loss of or damage to the Works, Plant, and Materials is an Employer's risk except loss or damage due to

- (a) a Defect which existed on the Completion Date,
- (b) an event occurring before the Completion Date, which was not itself an Employer's risk, or
- (c) the activities of the Contractor on the Site after the Completion Date.

18. Contractor's Risks

18.1 From the Starting Date until the Defects Liability Certificate has been issued, the risks of personal injury, death, and loss of or damage to property (including, without limitation, the Works, Plant, Materials, and Equipment) which are not Employer's risks are Contractor's risks.

19. Insurance

19.1 The Contractor shall provide, in the joint names of the Employer and the Contractor, the Contractor All Risk Insurance, cover from the Start Date to the end of the Defects Liability Period.

19.2 Policies and certificates for insurance shall be delivered by the Contractor to the Project Manager/ Chief Executive Officer for the Project Manager's/ Chief Executive Officer's approval before the Start Date. All such insurance shall provide for compensation to be payable in the types and proportions of currencies required to rectify the loss or damage incurred.

19.3 If the Contractor does not provide any of the policies and certificates required, the Employer may effect the insurance which the Contractor should have provided and recover the premiums the Employer has paid from payments otherwise due to the Contractor or, if no payment is due, the payment of the premiums shall be a debt due.

19.4 Alterations to the terms of an insurance shall not be made without the approval of the Project Manager/ Chief Executive Officer.

19.5 Both parties shall comply with any conditions of the insurance policies.

20. Site Investigation Reports

20.1 The Contractor, in preparing the Bid, shall rely on any Site Investigation Reports referred to in the **PCC**, supplemented by any information available to the Contractor.

21. Contractor to Construct the Works

21.1 The Contractor shall construct and install the Works in accordance with the Specifications and Drawings.

22. The Works to Be Completed by

22.1 The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the Program

the Intended Completion Date	submitted by the Contractor, as updated with the approval of the Project Manager/ Chief Executive Officer, and complete them by the Intended Completion Date.
23. Designs by Contractor and Approval by the Project Manager/ Chief Executive Officer	<p>23.1 The Contractor shall carry out design to the extent specified in the PCC. The Contractor shall promptly submit to the Employer all designs prepared by him. Within 14 days of receipt, the Employer shall notify any comments. The Contractor shall not construct any element of the permanent work designed by him within 14 days after the design has been submitted to the Employer or where the design for that element has been rejected. Design that has been rejected shall be promptly amended and resubmitted. The Contractor shall resubmit all designs commented on taking these comments into account as necessary.</p> <p>23.2 The Contractor shall submit Specifications and Drawings showing the proposed Temporary Works to the Project Manager/ Chief Executive Officer, who is to approve them if they comply with the Specifications and Drawings.</p> <p>23.3 The Contractor shall be responsible for design of Temporary Works.</p> <p>23.4 The Project Manager's/ Chief Executive Officer's approval shall not alter the Contractor's responsibility for design of the Temporary Works.</p> <p>23.5 The Contractor shall obtain approval of third parties to the design of the Temporary Works, where required.</p> <p>23.6 All Drawings prepared by the Contractor for the execution of the temporary or permanent Works, are subject to prior approval by the Project Manager/ Chief Executive Officer before this use.</p>
24. Safety	24.1 The Contractor shall be responsible for the safety of all activities on the Site.
25. Discoveries	25.1 Anything of historical or other interest or of significant value unexpectedly discovered on the Site shall be the property of the Employer. The Contractor shall notify the Project Manager/ Chief Executive Officer of such discoveries and carry out the Project Manager's/ Chief Executive Officer's instructions for dealing with them.
26. Possession of the Site	26.1 The Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date stated in the PCC , the Employer shall be deemed to have delayed the start of the relevant activities, and this shall be a Compensation Event.
27. Access to the Site	27.1 The Contractor shall allow the Project Manager/ Chief Executive Officer and any person authorized by the Project Manager/ Chief Executive Officer access to the Site and to any place where work in connection with the Contract is being carried out or is intended to be carried out.
28. Instructions, Inspections and Audits	<p>28.1 The Contractor shall carry out all instructions of the Project Manager/ Chief Executive Officer which comply with the applicable laws where the Site is located.</p> <p>28.2 If required, the Contractor shall allow third party inspections for quality control as instructed by the Aizawl Smart City Limited.</p>

- 28.2 The Contractor shall keep, and shall make all reasonable efforts to cause its Subcontractors and sub-consultants to keep accurate and systematic accounts and records in respect of the Works in such form and details as will clearly identify relevant time changes and costs.
- 29. Appointment of the Adjudicator**
- 29.1 The Adjudicator shall be appointed jointly by the Employer and the Contractor, at the time of the Employer's issuance of the Letter of Acceptance. If, in the Letter of Acceptance, the Employer does not agree on the appointment of the Adjudicator, the Employer will request the Appointing Authority designated in the **PCC**, to appoint the Adjudicator within 14 days of receipt of such request.
- 29.2 Should the Adjudicator resign or die, or should the Employer and the Contractor agree that the Adjudicator is not functioning in accordance with the provisions of the Contract, a new Adjudicator shall be jointly appointed by the Employer and the Contractor. In case of disagreement between the Employer and the Contractor, within 30 days, the Adjudicator shall be designated by the Appointing Authority at the request of either party, within 14 days of receipt of such request.
- 30. Procedure for Disputes**
- 30.1 If the Contractor believes that a decision taken by the Project Manager/ Chief Executive Officer was either outside the authority given to the Project Manager/ Chief Executive Officer by the Contract or that the decision was wrongly taken, the decision shall be referred to the Adjudicator within 14 days of the notification of the Project Manager's/ Chief Executive Officer's decision.
- 30.2 The Adjudicator shall give a decision in writing within 28 days of receipt of a notification of a dispute.
- 30.3 The Adjudicator shall be paid by the hour at the rate specified in the **PCC**, together with reimbursable expenses of the types specified in the **PCC**, and the cost shall be divided equally between the Employer and the Contractor, whatever decision is reached by the Adjudicator. Either party may refer a decision of the Adjudicator to an Arbitrator within 28 days of the Adjudicator's written decision. If neither party refers the dispute to arbitration within the above 28 days, the Adjudicator's decision shall be final and binding.
- 30.4 The arbitration shall be conducted in accordance with the arbitration procedures published by the institution named and in the place specified in the **PCC**.

B. Staff and Labor

- 31. Forced Labor**
- 31.1 The Contractor shall not employ forced labor, which consists of any work or service, not voluntarily performed, that is exacted from an individual under threat of force or penalty. This covers any kind of involuntary or compulsory labor, such as indentured labor, bonded labor or similar labor–contracting arrangements.
- 32. Child Labor**
- 32.1 The Contractor shall not employ any child to perform any work, including work that is economically exploitative, or is likely to be hazardous to, or to interfere with, the child's education, or to be harmful to the child's health or physical, mental, spiritual, moral, or social development. "Child" means a child below the statutory minimum age specified under applicable law. Where laws have

provisions for employment of minors, the Contractor shall follow those laws applicable to the Contractor. Children below the age of 18 years shall not be employed in dangerous work.

33. Workers' Organizations

33.1 If the national law recognizes workers' rights to form and to join workers' organizations of their choosing without interference and to bargain collectively, the Contractor shall comply with national law. If the national law substantially restricts workers' organizations, the Contractor shall enable alternative means for the Contractor's Personnel to express their grievances and protect their rights regarding working conditions and terms of employment. In either case described above, and where national law is silent, the Contractor shall not discourage the Contractor's Personnel from forming or joining workers' organizations of their choosing or from bargaining collectively, and shall not discriminate or retaliate against the Contractor's Personnel who participate, or seek to participate, in such organizations and bargain collectively. The Contractor shall engage with such workers representatives. Worker organizations are expected to fairly represent the workers in the workforce.

34. Non-Discrimination and Equal Opportunity

34.1 The Contractor shall not make employment decisions on the basis of personal characteristics unrelated to inherent job requirements. The Contractor shall base the employment relationship on the principle of equal opportunity and fair treatment, and shall not discriminate with respect to aspects of the employment relationship, including recruitment and hiring, compensation (including wages and benefits), working conditions and terms of employment, access to training, promotion, termination of employment or retirement, and discipline. If the national law provides for non-discrimination in employment, the Contractor shall comply with national law. When national laws are silent on non-discrimination in employment, the Contractor shall meet this Sub-Clause's requirements. Special measures of protection or assistance to remedy past discrimination or selection for a particular job based on the inherent requirements of the job shall not be deemed discrimination.

34.2 Health & Safety: The Contractor shall at all times take all reasonable precautions to maintain the health and safety of the Contractor's Personnel and to provide a safe work environment. The Contractor shall conduct, at least twice in a year, health and safety programs for workers employed under the project, and to members of the local communities surrounding the Project area, particularly women, and shall include information on the risk of sexually transmitted diseases, including HIV/AIDS in such programs.

34.3 The Contractor shall comply with all relevant (a) labor laws and regulations applicable to the Contractors personnel, including staff, consultants, contractors, and agents; and (b) workplace health and safety laws, and incorporate applicable workplace occupational safety norms. The Contractor shall allow freedom of association and effectively recognize the right to collective bargaining.

C. Time Control

35. Program

35.1 Within the time stated in the **PCC**, after the date of the Letter of Acceptance, the Contractor shall submit to the Project Manager/ Chief Executive Officer for approval a Program showing the general

- methods, arrangements, order, and timing for all the activities in the Works. In the case of a lump sum contract, the activities in the Program shall be consistent with those in the Activity Schedule.
- 35.2 An update of the Program shall be a program showing the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining work, including any changes to the sequence of the activities.
- 35.3 The Contractor shall submit to the Project Manager/ Chief Executive Officer for approval an updated Program at intervals no longer than the period stated in the **PCC**. If the Contractor does not submit an updated Program within this period, the Project Manager/ Chief Executive Officer may withhold the amount stated in the **PCC** from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Program has been submitted. In the case of a lump sum contract, the Contractor shall provide an updated Activity Schedule within 14 days of being instructed to by the Project Manager/ Chief Executive Officer
- 35.4 The Project Manager's/ Chief Executive Officer's approval of the Program shall not alter the Contractor's obligations. The Contractor may revise the Program and submit it to the Project Manager/ Chief Executive Officer again at any time. A revised Program shall show the effect of Variations and Compensation Events.
- 36. Extension of the Intended Completion Date**
- 36.1 The Project Manager/ Chief Executive Officer shall extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date without the Contractor taking steps to accelerate the remaining work, which would cause the Contractor to incur additional cost.
- 36.2 The Project Manager/ Chief Executive Officer shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Project Manager/ Chief Executive Officer for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information. If the Contractor has failed to give early warning of a delay or has failed to cooperate in dealing with a delay, the delay by this failure shall not be considered in assessing the new Intended Completion Date.
- 37. Acceleration**
- 37.1 When the Employer wants the Contractor to finish before the Intended Completion Date, the Project Manager/ Chief Executive Officer shall obtain priced proposals for achieving the necessary acceleration from the Contractor. If the Employer accepts these proposals, the Intended Completion Date shall be adjusted accordingly and confirmed by both the Employer and the Contractor.
- 37.2 If the Contractor's priced proposals for an acceleration are accepted by the Employer, they are incorporated in the Contract Price and treated as a Variation.
- 38. Delays Ordered by the Project Manager/ Chief Executive**
- 38.1 The Project Manager/ Chief Executive Officer may instruct the Contractor to delay the start or progress of any activity within the Works.

Officer

- 39. Management Meetings**
- 39.1 Either the Project Manager/ Chief Executive Officer or the Contractor may require the other to attend a management meeting. The business of a management meeting shall be to review the plans for remaining work and to deal with matters raised in accordance with the early warning procedure.
- 39.2 The Project Manager/ Chief Executive Officer shall record the business of management meetings and provide copies of the record to those attending the meeting and to the Employer. The responsibility of the parties for actions to be taken shall be decided by the Project Manager/ Chief Executive Officer either at the management meeting or after the management meeting and stated in writing to all who attended the meeting.
- 40. Early Warning**
- 40.1 The Contractor shall warn the Project Manager/ Chief Executive Officer at the earliest opportunity of specific likely future events or circumstances that may adversely affect the quality of the work, increase the Contract Price, or delay the execution of the Works. The Project Manager/ Chief Executive Officer may require the Contractor to provide an estimate of the expected effect of the future event or circumstance on the Contract Price and Completion Date. The estimate shall be provided by the Contractor as soon as reasonably possible.
- 40.2 The Contractor shall cooperate with the Project Manager/ Chief Executive Officer in making and considering proposals for how the effect of such an event or circumstance can be avoided or reduced by anyone involved in the work and in carrying out any resulting instruction of the Project Manager/ Chief Executive Officer

D. Quality Control

- 41. Identifying Defects**
- 41.1 The Project Manager/ Chief Executive Officer shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Project Manager/ Chief Executive Officer may instruct the Contractor to search for a Defect and to uncover and test any work that the Project Manager/ Chief Executive Officer considers may have a Defect.
- 42. Tests**
- 42.1 If the Project Manager/ Chief Executive Officer instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect, the test shall be a Compensation Event.
- 43. Correction of Defects**
- 43.1 The Project Manager/ Chief Executive Officer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion, and is defined in the **PCC**. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.
- 43.2 Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Project

Manager's/ Chief Executive Officer's notice.

- 44. Uncorrected Defects**
- 44.1 If the Contractor has not corrected a Defect within the time specified in the Project Manager's/ Chief Executive Officer's notice, the Project Manager/ Chief Executive Officer shall assess the cost of having the Defect corrected, and the Contractor shall pay this amount.

E. Cost Control

- 45. Contract Price**
- 45.1 In the case of an admeasurement contract, the Bill of Quantities shall contain priced items for the Works to be performed by the Contractor. The Bill of Quantities is used to calculate the Contract Price. The Contractor will be paid for the quantity of the work accomplished at the rate in the Bill of Quantities for each item.
- 45.2 In the case of a lump sum contract, the Activity Schedule shall contain the priced activities for the Works to be performed by the Contractor. The Activity Schedule is used to monitor and control the performance of activities on which basis the Contractor will be paid. If payment for Materials on Site shall be made separately, the Contractor shall show delivery of Materials to the Site separately on the Activity Schedule.
- 46. Changes in the Contract Price**
- 46.1 In the case of an admeasurement contract:
- (a) If the final quantity of the work done differs from the quantity in the Bill of Quantities for the particular item by more than 25 percent, provided the change exceeds 1 percent of the Initial Contract Price, the Project Manager/ Chief Executive Officer shall adjust the rate to allow for the change.
 - (b) The Project Manager/ Chief Executive Officer shall not adjust rates from changes in quantities if thereby the Initial Contract Price is exceeded by more than 15 percent, except with the prior approval of the Employer.
 - (c) If requested by the Project Manager/ Chief Executive Officer, the Contractor shall provide the Project Manager/ Chief Executive Officer with a detailed cost breakdown of any rate in the Bill of Quantities.
- 46.2 In the case of a lump sum contract, the Activity Schedule shall be amended by the Contractor to accommodate changes of Program or method of working made at the Contractor's own discretion. Prices in the Activity Schedule shall not be altered when the Contractor makes such changes to the Activity Schedule.
- 47. Variations**
- 47.1 All Variations shall be included in updated Programs, and, in the case of a lump sum contract, also in the Activity Schedule, produced by the Contractor.
- 47.2 The Contractor shall provide the Project Manager/ Chief Executive Officer with a quotation for carrying out the Variation when requested to do so by the Project Manager/ Chief Executive Officer. The Project Manager/ Chief Executive Officer shall assess the quotation, which shall be given within seven (7) days of the request or within any longer

period stated by the Project Manager/ Chief Executive Officer and before the Variation is ordered.

- 47.3 If the Contractor's quotation is unreasonable, the Project Manager/ Chief Executive Officer may order the Variation and make a change to the Contract Price, which shall be based on the Project Manager's own forecast of the effects of the Variation on the Contractor's costs.
- 47.4 If the Project Manager/ Chief Executive Officer decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the Variation shall be treated as a Compensation Event.
- 47.5 The Contractor shall not be entitled to additional payment for costs that could have been avoided by giving early warning.
- 47.6 In the case of an admeasurement contract, if the work in the Variation corresponds to an item description in the Bill of Quantities and if, in the opinion of the Project Manager/ Chief Executive Officer, the quantity of work above the limit stated in GCC46.1 [Changes in the Contract Price] or the timing of its execution do not cause the cost per unit of quantity to change, the rate in the Bill of Quantities shall be used to calculate the value of the Variation. If the cost per unit of quantity changes, or if the nature or timing of the work in the Variation does not correspond with items in the Bill of Quantities, the quotation by the Contractor shall be in the form of new rates for the relevant items of work.

48. Cash Flow Forecasts

- 48.1 When the Program, or, in the case of a lump sum contract, the Activity Schedule, is updated, the Contractor shall provide the Project Manager/ Chief Executive Officer with an updated cash flow forecast.

49. Payment Certificates

- 49.1 The Contractor shall submit to the Project Manager/ Chief Executive Officer monthly statements of the estimated value of the work executed less the cumulative amount certified previously.
- 49.2 The Project Manager/ Chief Executive Officer shall check the Contractor's monthly statement and certify the amount to be paid to the Contractor.
- 49.3 The value of work executed shall be determined by the Project Manager/ Chief Executive Officer
- 49.4 The value of work executed shall comprise:
- (a) In the case of an admeasurement contract, the value of the quantities of work in the Bill of Quantities that have been completed; or
 - (b) In the case of a lump sum contract, the value of work executed shall comprise the value of completed activities in the Activity Schedule.
- 49.5 The value of work executed shall include the valuation of Variations

and Compensation Events.

49.6 The Project Manager/ Chief Executive Officer may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of later information.

50. Payments

50.1 Payments shall be adjusted for deductions for advance payments and retention. The Employer shall pay the Contractor the amounts certified by the Project Manager/ Chief Executive Officer within 28 days of the date of each certificate.

50.2 Items of the Works for which no rate or price has been entered in shall not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.

51. Compensation Events

51.1 The following shall be Compensation Events:

- (a) The Employer does not give access to a part of the Site by the Site Possession Date pursuant to GCC 26.1 [Possession of the Site].
- (b) The Employer modifies the Schedule of Other Contractors in a way that affects the work of the Contractor under the Contract.
- (c) The Project Manager/ Chief Executive Officer orders a delay or does not issue Drawings, Specifications, or instructions required for execution of the Works on time.
- (d) The Project Manager/ Chief Executive Officer instructs the Contractor to uncover or to carry out additional tests upon work, which is then found to have no Defects.
- (e) The Project Manager/ Chief Executive Officer unreasonably does not approve a subcontract to be let.
- (f) Ground conditions are substantially more adverse than could reasonably have been assumed before issuance of the Letter of Acceptance from the information issued to Bidders (including the Site Investigation Reports), from information available publicly and from a visual inspection of the Site.
- (g) The Project Manager/ Chief Executive Officer gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons.
- (h) Other contractors, public authorities, utilities, or the Employer does not work within the dates and other constraints stated in the Contract, and they cause delay or extra cost to the Contractor.
- (i) The advance payment is delayed.
- (j) The effects on the Contractor of any of the Employer's Risks.
- (k) The Project Manager/ Chief Executive Officer unreasonably delays issuing a Certificate of Completion.

51.2 If a Compensation Event would cause additional cost or would prevent the work being completed before the Intended Completion Date, the

Contract Price shall be increased and/or the Intended Completion Date shall be extended. The Project Manager/ Chief Executive Officer shall decide whether and by how much the Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.

51.3 As soon as information demonstrating the effect of each Compensation Event upon the Contractor's forecast cost has been provided by the Contractor, it shall be assessed by the Project Manager/ Chief Executive Officer, and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Project Manager/ Chief Executive Officer shall adjust the Contract Price based on the Project Manager's/ Chief Executive Officer's own forecast. The Project Manager/ Chief Executive Officer shall assume that the Contractor shall react competently and promptly to the event.

51.4 The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor's not having given early warning or not having cooperated with the Project Manager/ Chief Executive Officer.

52. Tax

52.1 The Project Manager/ Chief Executive Officer shall adjust the Contract Price if taxes, duties, and other levies are changed between the date 28 days before the submission of bids for the Contract and the date of the last Completion certificate. The adjustment shall be the change in the amount of tax payable by the Contractor.

53. Retention

53.1 The Employer shall retain from each payment due to the Contractor the proportion stated in the **PCC** until Completion of the whole of the Works.

53.2 Upon the issue of a Certificate of Completion of the Works by the Project Manager/ Chief Executive Officer, in accordance with GCC 66.1 [Completion], half the total amount retained shall be repaid to the Contractor and half when the Defects Liability Period has passed and the Project Manager/ Chief Executive Officer has certified that all Defects notified by the Project Manager/ Chief Executive Officer to the Contractor before the end of this period have been corrected. The Contractor may substitute retention money with an "on demand" bank guarantee.

54. Liquidated Damages

54.1 The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the **PCC** for each day that the Completion Date is later than the Intended Completion Date or the Intended Date of achievement of Milestone based on the work program set forth. The total amount of liquidated damages shall not exceed the amount defined in the **PCC**. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not affect the Contractor's liabilities.

54.2 If the Intended Completion Date is extended after liquidated damages have been paid, the Project Manager/ Chief Executive Officer shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment certificate.

55. Advance Payment

55.1 The Employer shall make advance payment to the Contractor of the amounts stated in the **PCC** by the date stated in the **PCC**, against provision by the Contractor of an unconditional bank guarantee in a form and by a bank acceptable to the Employer in amounts equal to the advance payment. The guarantee shall remain effective until the advance payment has been repaid, but the amount of the guarantee shall be progressively reduced by the amounts repaid by the Contractor. Interest shall not be charged on the advance payment.

55.2 The Contractor is to use the advance payment only to pay for Equipment, Plant, Materials, and mobilization expenses required specifically for execution of the Contract. The Contractor shall demonstrate that advance payment has been used in this way by supplying copies of invoices or other documents to the Project Manager/CEO.

55.3 The advance payment shall be repaid by deducting proportionate amounts from payments otherwise due to the Contractor, following the schedule of completed percentages of the Works on a payment basis. No account shall be taken of the advance payment or its repayment in assessing valuations of work done, Variations, price adjustments, Compensation Events, Bonuses, or Liquidated Damages.

56. Securities

56.1 The Performance Security shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount specified in the **PCC**, by a bank acceptable to the Employer. The Performance Security shall be valid until a date 28 days from the date of issue of the Certificate of Completion in the case of a bank guarantee.

57. Dayworks

57.1 If applicable, the Dayworks rates in the Contractor's Bid shall be used for small additional amounts of work only when the Project Manager/CEO has given written instructions in advance for additional work to be paid for in that way.

57.2 All work to be paid for as Dayworks shall be recorded by the Contractor on forms approved by the Project Manager/CEO. Each completed form shall be verified and signed by the Project Manager/Chief Executive Officer within two days of the work being done.

57.3 The Contractor shall be paid for Dayworks subject to obtaining signed Dayworks forms.

58. Cost of Repairs

58.1 Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Correction periods shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions.

F. Force Majeure

59. Definition of Force Majeure

59.1 In this Clause, "Force Majeure" means an exceptional event or circumstance:

- (a) which is beyond a Party's control,
- (b) which such Party could not reasonably have provided against

before entering into the Contract,

- (c) which, having arisen, such Party could not reasonably have avoided or overcome, and
- (d) which is not substantially attributable to the other Party.

59.2 Force Majeure may include, but is not limited to, exceptional events or circumstances of the kind listed below, so long as conditions (a) to (d) above are satisfied:

- (a) war, hostilities (whether war be declared or not), invasion, act of foreign enemies,
- (b) rebellion, terrorism, sabotage by persons other than the Contractor's Personnel, revolution, insurrection, military or usurped power, or civil war,
- (c) riot, commotion, disorder, strike or lockout by persons other than the Contractor's Personnel,
- (d) munitions of war, explosive materials, ionising radiation or contamination by radio-activity, except as may be attributable to the Contractor's use of such munitions, explosives, radiation or radio-activity, and
- (e) natural catastrophes such as earthquake, hurricane, typhoon or volcanic activity.

60. Notice of Force Majeure

60.1 If a Party is or will be prevented from performing its substantial obligations under the Contract by Force Majeure, then it shall give notice to the other Party of the event or circumstances constituting the Force Majeure and shall specify the obligations, the performance of which is or will be prevented. The notice shall be given within 14 days after the Party became aware, or should have become aware, of the relevant event or circumstance constituting Force Majeure.

60.2 The Party shall, having given notice, be excused performance of its obligations for so long as such Force Majeure prevents it from performing them.

60.3 Notwithstanding any other provision of this Clause, Force Majeure shall not apply to obligations of either Party to make payments to the other Party under the Contract.

61. Duty to Minimize Delay

61.1 Each Party shall at all times use all reasonable endeavours to minimize any delay in the performance of the Contract as a result of Force Majeure.

61.2 A Party shall give notice to the other Party when it ceases to be affected by the Force Majeure.

62. Consequences of Force Majeure

62.1 If the Contractor is prevented from performing its substantial obligations under the Contract by Force Majeure of which notice has been given under GCC Sub-Clause 60 [Notice of Force Majeure], and suffers delay and/or incurs Cost by reason of such Force Majeure, the Contractor shall be entitled subject to GCC Sub-Clause 30.1 [Procedure for Disputes] to:

- (a) an extension of time for any such delay, if completion is or will be delayed, under GCC Sub-Clause 36 [Extension of the Intended Completion Date], and
- (b) if the event or circumstance is of the kind described in sub-paragraphs (a) to (d) of GCC Sub-Clause 59.2 [Definition of Force Majeure] and, in the case of sub-paragraphs (b) to (d), occurs in the Country, payment of any such Cost, including the costs of rectifying or replacing the Works and/or Goods damaged or destroyed by Force Majeure, to the extent they are not indemnified through the insurance policy referred to in GCC Sub-Clause 19 [Insurance].

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63. Force Majeure Affecting Subcontractor

63.1 If any Subcontractor is entitled under any contract or agreement relating to the Works to relief from force majeure on terms additional to or broader than those specified in this Clause, such additional or broader force majeure events or circumstances shall not excuse the Contractor's non-performance or entitle him to relief under this Clause.

64. Optional Termination, Payment and Release

64.1 If the execution of substantially all the Works in progress is prevented for a continuous period of 84 days by reason of Force Majeure of which notice has been given under GCC Sub-Clause 60 [Notice of Force Majeure], or for multiple periods which total more than 140 days due to the same notified Force Majeure, then either Party may give to the other Party a notice of termination of the Contract. In this event, the termination shall take effect 7 days after the notice is given, and the Contractor shall proceed in accordance with GCC Sub-Clause 70.5 [Termination].

64.2 Upon such termination, the Project Manager/ Chief Executive Officer shall determine the value of the work done and issue a Payment Certificate which shall include:

- (a) the amounts payable for any work carried out for which a price is stated in the Contract;
- (b) the Cost of Plant and Materials ordered for the Works which have been delivered to the Contractor, or of which the Contractor is liable to accept delivery: this Plant and Materials shall become the property of (and be at the risk of) the Employer when paid for by the Employer, and the Contractor shall place the same at the Employer's disposal;
- (c) other Costs or liabilities which in the circumstances were reasonably and necessarily incurred by the Contractor in the expectation of completing the Works;
- (d) the Cost of removal of Temporary Works and Contractor's Equipment from the Site and the return of these items to the Contractor's works in his country (or to any other destination at no greater cost); and
- (e) the Cost of repatriation of the Contractor's staff and labor employed wholly in connection with the Works at the date of termination.

- 65. Release from Performance**
- 65.1 Notwithstanding any other provision of this Clause, if any event or circumstance outside the control of the Parties (including, but not limited to, Force Majeure) arises which makes it impossible or unlawful for either or both Parties to fulfil its or their contractual obligations or which, under the law governing the Contract, entitles the Parties to be released from further performance of the Contract, then upon notice by either Party to the other Party of such event or circumstance:
- (a) the Parties shall be discharged from further performance, without prejudice to the rights of either Party in respect of any previous breach of the Contract, and
 - (b) the sum payable by the Employer to the Contractor shall be the same as would have been payable under GCC Sub-Clause 64 [Optional Termination, Payment and Release] if the Contract had been terminated under GCC Sub-Clause 64.

G. Finishing the Contract

- 66. Completion**
- 66.1 The Contractor shall request the Project Manager/ Chief Executive Officer to issue a certificate of Completion of the Works, and the Project Manager/ Chief Executive Officer shall do so upon deciding that the work is completed.
- 67. Taking Over**
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- 68. Final Account**
- 68.1 The Contractor shall supply the Project Manager/ Chief Executive Officer with a detailed account of the total amount that the Contractor considers payable under the Contract before the end of the Defects Liability Period. The Project Manager/ Chief Executive Officer shall issue a Defects Liability Certificate and certify any final payment that is due to the Contractor within 56 days of receiving the Contractor's account if it is correct and complete. If it is not, the Project Manager/ Chief Executive Officer shall issue within 56 days a schedule that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Project Manager/ Chief Executive Officer shall decide on the amount payable to the Contractor and issue a payment certificate.
- 69. Operating and Maintenance Manuals**
- 69.1 If "as built" Drawings and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates stated in the **PCC**.
- 69.2 If the Contractor does not supply the Drawings and/or manuals by the dates stated in the **PCC** pursuant to GCC 69.1, or they do not receive the Project Manager's/ Chief Executive Officer's approval, the Project Manager/ Chief Executive Officer shall withhold the amount stated in the **PCC** from payments due to the Contractor.
- 70. Termination**
- 70.1 The Employer or the Contractor may terminate the Contract if the other party causes a fundamental breach of the Contract.
- 70.2 Fundamental breaches of Contract shall include, but shall not be

limited to, the following:

- (a) the Contractor stops work for 28 days when no stoppage of work is shown on the current Program and the stoppage has not been authorized by the Project Manager/ Chief Executive Officer;
- (b) the Project Manager/ Chief Executive Officer instructs the Contractor to delay the progress of the Works, and the instruction is not withdrawn within 28 days;
- (c) the Employer or the Contractor is made bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
- (d) a payment certified by the Project Manager/ Chief Executive Officer is not paid by the Employer to the Contractor within 84 days of the date of the Project Manager's/ Chief Executive Officer 'certificate;
- (e) the Project Manager/ Chief Executive Officer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Project Manager/ Chief Executive Officer;
- (f) the Project Manager/ Chief Executive Officer gives two consecutive Notices to update the Program and accelerate the works to ensure compliance with GCC Sub-Clause 22.1 [The Works to be Completed by the Intended Completion Date] and the Contractor fails to update the Program and demonstrate acceleration of the works within a reasonable period of time determined by the Project Manager/ Chief Executive Officer;
- (g) the Contractor does not maintain a Security, which is required;
- (h) the Contractor has delayed the completion of the Works by the number of days for which the maximum amount of liquidated damages can be paid, as defined in the **PCC**; and
- (i) if the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for or in executing the Contract, pursuant to GCC 72 [Fraud and Corruption].

70.3 When either party to the Contract gives notice of a breach of Contract to the Project Manager/ Chief Executive Officer for a cause other than those listed under GCC 73.2 above, the Project Manager/CEO shall decide whether the breach is fundamental or not.

70.4 Notwithstanding the above, the Employer may terminate the Contract for convenience.

71. Fraud and Corruption

71.1 It is the Employer's policy to require that Employers as well as Contractor observe the highest standard of ethics during the execution of the Contract. In pursuance of this policy, the Employer defines, for the purpose of this provision, the terms set forth below as follows:

- i. "Corrupt practice" means the offering, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the selection process or in contract execution;

- ii. "Fraudulent practice" means a misrepresentation or omission of facts in order to influence a selection process or the execution of a contract;
- iii. "Collusive practices" means a scheme or arrangement between two or more consultants, with or without the knowledge of the Employer, designed to establish prices at artificial, non-competitive levels;
- 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;

71.2 The Employer may terminate the contract if it determines at any time that the Contractor is engaged in corrupt, fraudulent, collusive or coercive practices during the the execution of that contract.

71.3 The Employer may also sanction against the Contractor, including declaring the Firm ineligible, either indefinitely or for a stated period of time, if it at any time determines that the Firm has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in executing the contract

72. Payment upon Termination

72.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Project Manager/CEO shall issue a certificate for the value of the work done and Materials ordered less advance payments received up to the date of the issue of the certificate and less the percentage to apply to the value of the work not completed, as indicated in the **PCC**. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor, the difference shall be a debt payable to the Employer.

72.2 If the Contract is terminated for the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Project Manager/CEO shall issue a certificate for the value of the work done, Materials ordered, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works, and less advance payments received up to the date of the certificate.

73. Property

73.1 All Materials on the Site, Plant, Equipment, Temporary Works, and Works shall be deemed to be the property of the Employer if the Contract is terminated because of the Contractor's default.

74. Release from Performance

74.1 If the Contract is frustrated by the outbreak of war or by any other event entirely outside the control of either the Employer or the Contractor, the Project Manager/CEO shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which a commitment was made.

Section 7 - Particular Conditions of Contract

The following Particular Conditions of Contract shall supplement the GCC. Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

Particular Conditions of Contract

A. General	
GCC 1.1 (q)	The Employer is Aizawl Smart City Limited, Urban Development and Poverty Alleviation Department, Government of Mizoram.
GCC 1.1 (v)	The Intended Completion Date for the whole of the Works shall be 18 months.
GCC 1.1 (bb)	Chief Executive Officer, ASCL. Street Address: Urban Resource Centre, Opposite to Directorate of Anti Corruption Bureau, MINECO, Aizawl, Mizoram ZIP Code: 796 005 Country: India Telephone: : 0389-2336012 Email: smartcityaizawl@gmail.com
GCC 1.1 (ff)	The Site is located at Aizawl
GCC 1.1 (ii)	The Start Date shall be 14 days from issuance of Notice to Proceed.
GCC 1.1 (mm)	The Works consist of construction Construction of Futsal Ground at Zemabawk Mitla Mual
GCC 11.1	The Chief Executive Officer may delegate any of his duties and responsibilities.
GCC 14.1	Schedule of other contractors: Not applicable
GCC 20.1	The Contractor is advice to visit/investigate the site before preparation of bid and rely on its finding.
GCC 26.1	The Site Possession Date(s) shall be: 14 days from issuance of Notice to Proceed or the date when the Employer has actually handed over the site to the Contractor.
GCC 29.1	Appointing Authority for the Adjudicator Secretary, Urban Development & Poverty Alleviation Department, Govt. of Mizoram.
GCC 30.3	The Adjudicator shall be paid by the hour at the rate of Rs 1000. Reimbursable expenses shall be per diem, cost of travelling in connection to the duty under the contract, local conveyance and cost of preparation of report.
GCC 30.4	Institution whose arbitration procedures shall be used: Arbitration shall be conducted in accordance with the laws of India The place of arbitration shall be Aizawl, Mizoram, India.
B. Staff and Labor	
C. Time Control	
GCC 35.1	The Contractor shall submit for approval a Program for the Works within 14 days from the date of the Letter of Acceptance.

GCC 35.3	The period between Program updates is 60 days. The amount to be withheld for late submission of an updated Program is INR 1 lacs.
D. Quality Control	
GCC 43.1	The Defects Liability Period is 365 days.
E. Cost Control	
GCC 52	Add GCC 52.2 (i) The rates quoted by the contractor shall be deemed to be inclusive of all the prevailing taxes that the contractor has to pay for performance of this contract. The Employer shall perform such duties in regard to the deduction of such taxes as per statutory deduction requirements at the source of payment as per applicable rules.
GCC 53.1	The proportion of payments retained is 5%
GCC 54.1	The liquidated damages for the whole of the Works are 0.1% per day. The maximum amount of liquidated damages for the whole of the Works is 10% of the final Contract Price.
GCC 55.1	The Advance Payments shall be 10% of the contract price and shall be paid in two installments; 1) First installment of 5% is payable to the contractor not later than 28 days after the submission of the required Advance Payment Security Bank Guarantee of equal amount. 2) Second installment of 5% is payable after contractor mobilized equipment & personnel at site which has to be certified by ASCL/PMC Engineer and after submission of the required Advance Payment Security Bank Guarantee of equal amount.
GCC 55.3	Repayment of the Advance Payments from each payment certificate shall be: As decided by Chief Executive Officer.
GCC 56.1	The Performance Security amount is 5 % of the Contract Price.
G. Finishing the Contract	
GCC 69.1	The date by which operation and maintenance a manual is to be supplied by the Contractor is 35 days ahead of issue of Completion Certificate. The date by which "as built" drawings are required is 35 days ahead the issue of Completion Certificate.
GCC 69.2	The amount to be withheld for failing to produce "as built" drawings and/or operating and maintenance manuals by the date required in GCC 69.2 is INR 1 lacs.
GCC 70.2 (h)	The maximum number of days is 50.
GCC 72.1	The percentage to apply to the value of the work not completed, representing the Employer's additional cost for completing the Works, is 20%

Section 8 - Contract Forms

This Section contains forms which, once completed, will form part of the Contract. The forms for Performance Security and Advance Payment Security, when required, shall only be completed by the successful Bidder after contract award.

Table of Forms

Letter of Acceptance	8
Contract Agreement	8
Performance Security	8
Advance Payment Security	8

Letter of Acceptance

[on letterhead paper of the Employer]

..... date.

To: name and address of the Contractor

Subject: Notification of Award Contract No.

This is to notify you that your Bid dated date. . . . consisting of the Technical and Price Bids for execution of thename of the contract and identification number, as given in the Bid Data Sheet for the Accepted Contract Amount of the equivalent ofamount in numbers and words and name of currency, as corrected and modified in accordance with the Instructions to Bidders is hereby accepted by our Agency.

You are requested to furnish the Performance Security within 28 days in accordance with the Conditions of Contract, using for that purpose the Performance Security Form included in Section 9 (Contract Forms) of the Bidding Document.

[Choose one of the following statements:]

We accept that _____ [insert the name of Adjudicator proposed by the Bidder] be appointed as the Adjudicator.

[or]

We do not accept that _____ [insert the name of the Adjudicator proposed by the Bidder] be appointed as the Adjudicator, and by sending a copy of this Letter of Acceptance to _____ [insert name of the Appointing Authority], the Appointing Authority, we are hereby requesting such Authority to appoint the Adjudicator in accordance with GCC 29.1.

Authorized Signature:

Name and Title of Signatory:

Name of Agency:

Attachment: Contract Agreement

Contract Agreement

THIS AGREEMENT made theday of,, between *name of the Employer*. (hereinafter “the Employer”), of the one part, and *name of the Contractor*. (hereinafter “the Contractor”), of the other part:

WHEREAS the Employer desires that the Works known as *name of the Contract*. should be executed by the Contractor, and has accepted a Bid by the Contractor for the execution and completion of these Works and the remedying of any defects therein,

The Employer and the Contractor agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract documents referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement. This Agreement shall prevail over all other Contract documents.
 - (a) the Contract Agreement,
 - (b) the Letter of Acceptance,
 - (c) the Letters of Technical Bid and Price Bid,
 - (d) the Particular Conditions of Contract,
 - (e) the List of Eligible Countries that was specified in Section 5 of the bidding document,
 - (f) the General Conditions of Contract,
 - (g) the Specifications,
 - (h) the Drawings,
 - (i) the Completed Activity Schedules or Bill of Quantities, and
 - (j) any other document listed in the **PCC** as forming part of the Contract.
3. In consideration of the payments to be made by the Employer to the Contractor as indicated in this Agreement, the Contractor hereby covenants with the Employer to execute the Works and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of *name of the borrowing country*. on the day, month and year indicated above.

Signed by

Signed by

for and on behalf of the Employer
in the presence of

for and on behalf the Contractor
in the presence of

Witness, Name, Signature, Address, Date

Witness, Name, Signature, Address, Date

Performance Security

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

Beneficiary:*Name and Address of Employer*.....

Date:.....

Performance Guarantee No.:.....

We have been informed that *name of the Contractor*. (hereinafter called "the Contractor") has entered into Contract No. *reference number of the Contract*. dated with you, for the execution of *name of contract and brief description of Works*. (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.

At the request of the Contractor, we *name of the Bank*. hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *name of the currency and amount in figures*¹. (*amount in words*.) such sum being payable in the types and proportions of currencies in which the Contract Price is payable, upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation(s) under the Contract, without your needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than the Day of ,², and any demand for payment under it must be received by us at this office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458³, except that subparagraph (ii) of Sub-article 20(a) is hereby excluded.

.....
Seal of Bank and Signature(s)

- Note -

All italicized text is for guidance on how to prepare this demand guarantee and shall be deleted from the final document.

¹ *The Guarantor shall insert an amount representing the percentage of the Contract Price specified in the Contract and denominated either in the currency(ies) of the Contract or a freely convertible currency acceptable to the Employer. If the bank issuing the performance security is located outside the country of the Employer, it shall have a correspondent financial institution located in the country of the Employer.*

² *Insert the date twenty-eight days after the expected completion date. The Employer should note that in the event of an extension of the time for completion of the Contract, the Employer would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee. In preparing this guarantee, the Employer might consider adding the following text to the form, at the end of the penultimate paragraph: "The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed [six months][one year], in response to the Employer's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee."*

³ *Or 758 as applicable*

-- Note to Bidder --

If the institution issuing the performance security is located outside the country of the Employer, it shall have a correspondent financial institution located in the country of the Employer to make it enforceable.

Advance Payment Security

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

Beneficiary: *Name and Address of Employer*

Date:

Advance Payment Guarantee No.:

We have been informed that *name of the Contractor*. (hereinafter called "the Contractor") has entered into Contract No. *reference number of the Contract*. dated with you, for the execution of *name of contract and brief description of Works*. (hereinafter called "the Contract").

Furthermore, we understand that, according to the Conditions of the Contract, an advance payment in the sum *name of the currency and amount in figures*¹. (*amount in words*.) is to be made against an advance payment guarantee.

At the request of the Contractor, we *name of the Bank*. hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *name of the currency and amount in figures*¹. (*amount in words*.) upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation under the Contract because the Contractor used the advance payment for purposes other than the costs of mobilization in respect of the Works.

It is a condition for any claim and payment under this guarantee to be made that the advance payment referred to above must have been received by the Contractor on its account number *Contractor's account number*. at *name and address of the Bank*.

The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Contractor as indicated in copies of interim statements or payment certificates which shall be presented to us. This guarantee shall expire, at the latest, upon our receipt of a copy of the interim payment certificate indicating that eighty percent (80%) of the Contract Price has been certified for payment, or on the . . day of, . . .², whichever is earlier. Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC Publication No. 458³.

.....
Seal of Bank and Signature(s)

- Note -

All italicized text is for guidance on how to prepare this demand guarantee and shall be deleted from the final document.

¹ *The Guarantor shall insert an amount representing the amount of the advance payment denominated either in the currency(ies) of the advance payment as specified in the Contract, or in a freely convertible currency acceptable to the Employer.*

² *Insert the expected expiration date of the Time for Completion. The Employer should note that in the event of an extension of the time for completion of the Contract, the Employer would need to request an extension of this guarantee from the Guarantor. Such request must be in writing and must be made prior to the expiration date established in the guarantee. In preparing this guarantee, the Employer might consider adding the following text to the form, at the end of the penultimate paragraph: "The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed [six months][one year], in response to the Employer's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee.*

³ *Or 758 as applicable.*

-- Note to Bidder --

If the institution issuing the advance payment security is located outside the country of the Employer, it shall have a correspondent financial institution located in the country of the Employer to make it enforceable.