

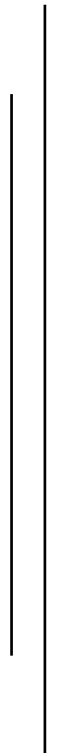


REQUEST FOR PROPOSAL

FOR

**CONSTRUCTION OF VILLAGE KNOWLEDGE CENTRE IN 15
LOCATIONS WITHIN THE STATE OF MIZORAM**

RFP No. B.12020/3/2023-MSeGS



Mizoram State e-Governance Society (MSeGS)
Old Secretariat Building Building - I
Treasury Square, Aizawl
Mizoram- 796001

No.B.12020/3/2023-MSeGS

:

Dated Aizawl, 22nd June 2023

TENDER NOTICE

Sealed quotation, on behalf of Mizoram State e-Governance Society, are invited from latest Finance Department, Govt. of Mizoram empanelled firms for construction of Village Knowledge Centre (VKC) in the selected 15 locations in Mizoram. The details of the Request for Proposal (RFP) document can be downloaded from <https://tender.mizoram.gov.in> and <https://www.msegs.in>. Important dates are as follows:

Last date for submission of written queries for clarifications	20 th July 2023
Date of pre-bid conference	21 st July 2023 @ 11:00 am
Release of response to clarifications	24 th July 2023
Last date for submission of bid documents	27 th July 2023 @ 03:00 pm
Technical bid opening	28 th July 2023 @ 11:00 am

Sd/- Dr. LALTHLAMUANA
Chief Executive Officer,
Mizoram State e-Governance Society

Memo No.B.12020/3/2023-MSeGS

:

Dated Aizawl, 22nd June 2023

Copy to:

1. P.S to Hon'ble Minister, ICT Dept. for favour of information.
2. P.P.S to Chief Secretary / Chairman, Board of Governor, MSeGS for favour of information.
3. P.S to Special Secretary, ICT / Chairman, Executive Committee, MSeGS for favour of information.
4. The Circulation Manager, Vanglaini/The Aizawl Post. He is requested to publish in his newspaper for three issues.
5. The Web Information Manager, MSeGS for uploading in the websites.
6. Office Board.
7. Guard File.



(Dr. LALTHLAMUANA)
Chief Executive Officer,
Mizoram State e-Governance Society

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REQUEST FOR PROPOSAL FOR CONSTRUCTION OF VILLAGE KNOWLEDGE CENTRE (VKC) IN 15 LOCATIONS WITHIN THE STATE OF MIZORAM

(RFP No. B.12020/3/2023-MSeGS Dated 22nd June 2023)

1. INTRODUCTION:

- 1.1.** The Department of ICT, Government of Mizoram has envision to create digital infrastructure in rural areas to provide one stop service solution for education, healthcare, banking, e-Commerce, public service delivery, legal services, etc. with an affordable cost near their locality enhancing ease of living and ensuring inclusive and sustainable growth.
- 1.2.** In Mizoram, most of the rural people are lagging behind in all sphere of life due to lack of access to three essential resources such as Information, Infrastructure and Services. The reason for this backwardness cannot be exaggerated and the worst being in communication infrastructure for last mile connectivity and service delivery points in all the villages. In order to solve the problems being faced by the rural people in respect to basic health care services, education, accessing government's services, agriculture marketing and skill development, it is proposed to setup Village Knowledge Centre (VKC) in 15 locations within the state of Mizoram.
- 1.3.** Accordingly, Government of Mizoram, ICT Department has appointed the Mizoram State e-Governance Society as an executing agency for establishment of 15 Village Knowledge Centre (VKC) project.
- 1.4.** The Government of Mizoram is expected to provide 100% of the project cost estimated in the Detailed Project Report inclusive of cost of preparation of DPR and other charges. Items of work, Per Unit costs, locations, design and other specifications will be as stated in the Detailed Project Report (DPR).

2. TERMS OF REFERENCE

2.1. Background

Mizoram State e-Governance Society is an autonomous society under ICT Department, Government of Mizoram received fund through ICT Department for establishment of 15 VKCs in Mizoram vide letter No. B.33024/1/2022-ICT dated 8th December, 2022.

The Mizoram State e-Governance Society (MSEGS) was established in 2005 and registered under the society registration Act, XXI of 1860. The primary objective of the society is to administer the implementation of various IT & e-Governance applications for efficient and effective public service delivery, improve government administrative process, improve financial and revenue collection of the government, and transparency of the government. This Society currently maintained common infrastructure like SDC (State Data Centre), SWAN (State Wide Area Network), SSDG (State Service Delivery Gateway), State Portal (SP), e-District, SMS Gateway, Payment Gateway, Secretariat Networks, CMO Networks, GPON Connectivity in the capital City Aizawl for connecting all Government's Offices.

2.2. Objective:

This project aims to construct a building for Village Knowledge Centre (VKC) in 15 locations within the state of Mizoram and it will serve as information dissemination center providing instant access to farmers to latest information/ knowledge available in the field of agriculture, horticulture, fisheries, veterinary science, IT, Handloom & Handicraft, etc. The VKC will also provide digital banking services to rural areas with facilities of opening bank account, withdrawal and deposit their money, digital payment system, etc.

2.3. Benefits:

After completion of the project, the center will impart knowledge of new technology development to farmers in the field of agriculture, horticulture, handloom, handicraft, etc. The rural people will no longer required to travel long distance to avail various government services like residential certificates, tribal certificates, income certificates, crop insurance, etc. It will also reduce the number of trips and waiting time of rural people to avail various government services.

2.4. Scope of Work:

The scope of work to be performed by selected Agency will include (but is not limited to) the following tasks:

- (a) The Agency shall get the work executed in accordance with the technical sanction and drawings, designs, and specification in the

approved Working DPR and ensure completion of the project within the project cost and project period as specified in the Contract Document.

- (b) Complete construction of projects including supply and installation on items and equipment required by the project mentioned in the Detailed Drawing and Estimates as per specifications laid down by MSeGS, by way of time scheduling, monitoring, supervision, quality assurance/control etc. Agency shall be responsible for end to end till the final handover of the facilities. Written and specific instructions relating to the works may be issued time to time until the final completion as and when required by MSeGS, which shall be bound to be complied with by the agency.
- (c) The Agency shall render all required support to the MSeGS for follow up action, as may be required, for early approval.
- (d) The Table-I list of works mentioned below are included in the bid for establishment of Village Knowledge Center Project in Mizoram 2022-2023:

TABLE-I: LIST OF WORKS

Sl.No.	Name of VKC	District	Period of Completion	Cost of Tender Document	Tender Amount (includes Grand Total + Furniture & Equipments + Labour cess	Earnest Money 2%	Performance Security 5%	Bank Guarantee for Mobilization Advance 10%
1	ZUCHHIP VKC	KHAWZAWL	12 Months	₹ 500.00	₹ 22,56,581.73	₹ 45,132.00	₹ 1,12,830.00	₹ 2,25,659.00
2	THINGSUL VKC	AIZAWL	12 Months	₹ 500.00	₹ 21,48,272.30	₹ 42,966.00	₹ 1,07,414.00	₹ 2,14,828.00
3	SIAHATLA VKC	SIAHA	12 Months	₹ 500.00	₹ 24,52,245.30	₹ 49,045.00	₹ 1,22,613.00	₹ 2,45,225.00
4	SAKAWRDAI VKC	AIZAWL	12 Months	₹ 500.00	₹ 21,48,272.30	₹ 42,966.00	₹ 1,07,414.00	₹ 2,14,828.00
5	RUANTLANG VKC	CHAMPHAI	12 Months	₹ 500.00	₹ 22,56,581.73	₹ 45,132.00	₹ 1,12,830.00	₹ 2,25,659.00
6	REIEK VKC	MAMIT	12 Months	₹ 500.00	₹ 22,02,014.67	₹ 44,041.00	₹ 1,10,101.00	₹ 2,20,202.00
7	PHULLEN VKC	SAITUAL	12 Months	₹ 500.00	₹ 21,48,272.30	₹ 42,966.00	₹ 1,07,414.00	₹ 2,14,828.00
8	P&E VENG VKC	SERCHHIP	12 Months	₹ 500.00	₹ 22,22,008.97	₹ 44,441.00	₹ 1,11,101.00	₹ 2,22,201.00
9	LAWNGTLAI II VKC	LAWNGTLAI	12 Months	₹ 500.00	₹ 23,09,343.57	₹ 46,187.00	₹ 1,15,468.00	₹ 2,30,935.00
10	BILKHAWTHLIR VKC	KOLASIB	12 Months	₹ 500.00	₹ 21,17,368.47	₹ 42,348.00	₹ 1,05,869.00	₹ 2,11,737.00
11	KHAWBUNG (S) VKC	CHAMPHAI	12 Months	₹ 500.00	₹ 22,56,581.73	₹ 45,132.00	₹ 1,12,830.00	₹ 2,25,659.00
12	HNAHTHIAL VKC	HNAHTHIAL	12 Months	₹ 500.00	₹ 22,91,212.97	₹ 45,825.00	₹ 1,14,561.00	₹ 2,29,122.00
13	E. LUNG DAR VKC	SERCHHIP	12 Months	₹ 500.00	₹ 22,22,008.97	₹ 44,441.00	₹ 1,11,101.00	₹ 2,22,201.00
14	CHANDMARI VKC	LUNGLEI	12 Months	₹ 500.00	₹ 23,09,343.57	₹ 46,187.00	₹ 1,15,468.00	₹ 2,30,935.00
15	AIBAWK VKC	AIZAWL	12 Months	₹ 500.00	₹ 21,48,272.30	₹ 42,966.00	₹ 1,07,414.00	₹ 2,14,828.00
				₹ 7,500.00	₹ 3,34,88,380.88			

3. INFORMATION TO BIDDERS:

3.1. Eligibility Conditions:

The implementing agency, as approved and authorized by the Government of Mizoram, has decided to execute the project through **Open Tender by Quality & Cost Base Selection (QCBS)** process from Government empaneled consultancy firms notified by Government of Mizoram, Finance Department vide No.A.46011/1/2020-F.Est/26-27 Dated 04/08/2020 & No. A.46011/1/2020-F.Est/30-39 Dated 29/09/2020 for selection of a private entity as the bidder to whom the execution of Works may be awarded. The Executing Agency shall observe the highest standard of ethics during the selection and execution of the contract. Consortium partner or Joint Venture between two or more empaneled Consultancy Firms is allowed.

- 3.2.** The complete process of tendering will be as per The Mizoram Public Procurement Rules, 2020, the General Financial Rules 2017 as adopted by Government of Mizoram and as amended from time to time, instruction issued by the Ministry of Finance vide No.F.1/1/2021-PPD dated 29th October 2021, the Central Public Works Department Manual, 2019 as amended from time to time and any other relevant rules being in force in the State of Mizoram.

Bidding documents are available in the Chief Executive Officer, Mizoram State e-Governance Society (MSEGS), Old Secretariat Building -1, Treasury Square, Aizawl for a non- refundable fee as indicated in the table, **in the form of Demand Draft (DD) on any Scheduled/Nationalized bank payable at Aizawl** in favor of the Chief Executive Officer, Mizoram State e-Governance Society.

3.3. Definitions:

For the purpose of clarity, the following words and expressions shall have the meanings hereby assigned to them:

- (a) **Approval:** means approval in writing by the designated officer of the MSeGS.
- (b) **Contractor:** means the contractor or contractors or suppliers or agencies employed by the Executing Agency for the work or any connected work, including the Executing Agency itself in case any work is done directly by the Executing Agency.
- (c) **MSeGS:** means The Mizoram State e-Governance Society (MSEGS), represented by the Chief Executive Officer, Mizoram State e-Governance Society (MSEGS) and shall also include its administrators, executors and assignees.

- (d) **Executing Agency:** also referred to as 'Agency' means an agency appointed by MSeGS for execution of the works as may be defined in the agreement.
- (e) **Executing Agency Charges:** means the project executing charges payable to the Executing Agency as a percentage of the actual cost.
- (f) **Project/work** means execution and supervision of civil works to be undertaken as specified in the Detailed Project Report (DPR).

3.4. Brief Description of Bidding Process:

- (a) As mandated by the Mizoram Procurement Rules, 2020, the method of Two Bid System will be adopted for selection of Bidder for awarding the contract(s).
- (b) Tenders should be forwarded by Bidders under their original memo / letter pad inter alia furnishing details like CIN, PAN, GST TIN and complete postal and e-mail address of their office.
- (c) The Bidders should submit their technical bid as per **Annexure – II (FORM B)** and Financial Bid as per **Annexure - III (FORM C)**.
- (d) The Technical Bid and the Financial Bid should be sealed by the Bidder in separate covers duly super scripted in **BOLD letters** and with **RED INK**:

**Technical Bid for Establishment of Village Knowledge Centre in Mizoram
2022-2023**

Package No:.....

Name of Work:.....

AND

**Financial Bid for Establishment of Village Knowledge Centre in Mizoram
2022-2023**

Package No:.....

Name of Work:.....

The two sealed covers should be put **together into a bigger cover** which should also be sealed and duly superscripted with:

***Bid for Establishment of Village Knowledge Centre in Mizoram
2022-2023***

Package No:.....

Name of Work:.....

Tendering authority will not be responsible for accidental opening of the covers that are not properly superscripted and sealed.

- (e) Technical Bid WILL NOT contain any reference to cost
- (f) Any erasure, cutting and overwriting will be duly authenticated by the person responsible for tender and with business stamp.
- (g) The Financial Bid will be inclusive of all type of Taxes, GST etc.,
- (h) The Financial Bid shall specify Validity of quotes for a period of 120 days from last date fixed for submission of bid.

3.5. Quotation Details:

Address and contact numbers for submission of quotation or seeking clarifications is given below:

(a)	Bids /Queries to be addressed /Submitted to:	The Chief Executive Officer, Mizoram State e-Governance Society (MSEGS) Old Secretariat Building – 1 Treasury Square, Aizawl
(b)	Postal address for sending the Tenders:	The Chief Executive Officer, Mizoram State e-Governance Society (MSEGS) Old Secretariat Building -1 Treasury Square, Aizawl
(c)	Name and Designation of the contact personnel:	Pu Isaac Zothanpuia, Project Manager, MSeGS
(d)	Telephone numbers of the contact personnel:	0389-2319637/9436198721
(e)	Email ID of contact personnel:	support-msegs@mizoram.gov.in

3.6. Mode of delivery of Bids:

Tender box marked “**Bids for Establishment of Village Knowledge Center in Mizoram**” for dropping of quotation shall be placed at **the office of the Mizoram State eGovernance Society, Aizawl, Mizoram, (address at 3.5 above)** from the date of issue of this Request for Proposal, for receiving the bids. The Tender Box will be available for submission of bids during office hours on all working days. On the last day fixed submission, it would be available upto 3:00PM only. The bids can also be submitted by courier/registered post in sealed envelopes. Late tenders will be summarily rejected. No responsibility will be taken for postal delay or no-delivery/non-receipt of Tender documents. Tender sent by FAX or e-mail will not be considered.

3.7. Schedule of the Bidding process:

- (a) Last date for submission of Bids as per the tender notice as follows:
- | | |
|--|-------------------------|
| Last date for submission of written queries for clarifications | : 20.07.2023 |
| Date of pre-bid conference | : 21.07.2023 @11:00 AM |
| Release of response to clarifications | : 24.07.2023 |
| Last date (deadline) for submission of bids | : 27.07.2023 @03:00 PM |
| Technical Bid Opening | : 28.07.2023 @ 11:00 AM |
- (b) Opening of Technical Bids will be at the office of **Mizoram State e-Governance Society, Aizawl, Mizoram** address given at Para 3.5(b). above, who, in the presence of the Bidders or representatives who choose to attend, will subsequently examine and determine whether each Bid is responsive to the requirements of this RFP. A bid shall be considered responsive only if:
- 1) It is received by the Bid due date including any extension thereof, if any.
 - 2) It is signed, sealed and marked as stipulated.
 - 3) It contains all information (Complete in all respects) as requested in this RFP.
 - 4) It does not contain any conditions or qualifications.

Representatives are required to bring photo identity card and Authority Letter with photograph duly attested by the owners/company without which they will not be permitted to participate in the bid. This event will

not be postponed due to non-presence of any Bidders or their representatives.

- (c) Post scrutiny of the Technical Bids, the Financial Bids of only those Bidders who qualify in the Technical Bid will be opened. Opening of Financial Bids will be done after determination of technically acceptable bids.

All Bidders or their representatives are requested to be present on the day of opening of Technical Bids. Representatives are required to bring photo identity card and Authority Letter with photograph duly attested by the owners/company without whom they will not be permitted to participate in the bid. This event will not be postponed due to non-presence of any Bidders or their representatives.

If due to any exigency, the due date for opening of the Technical Bids or Financial Bids is/are declared a closed holiday, the Bids will be opened on the next working day at the same time or on any other day/time, as intimated by the Chief Executive Officer, Mizoram State e-Governance Society

- (d) After selection and approval, a Letter of Acceptance (LOA) shall be issued by the MSeGS to the Selected Bidder(s) and the Selected Bidder(s) shall, within 7 (Seven) days of the issue of the LOA, acknowledge receipt of the same, indicating therein its acceptance or otherwise of the LOA and the assignment.
- (e) Signing of Contract Agreement will be within 14 days of LOA.

3.8. Bid Validity:

The Bid shall remain valid for acceptance for a period of 180 days after the date of Bid opening prescribed in the RFP Document. Any Bid valid for a shorter period shall be treated as non-responsive and rejected. The bidder have to fill Bid validity form as per **Annexure-VII (FORM G)**.

4. GENERAL TERMS OF BIDDING:

4.1. Tender Fee/Earnest Money Deposit/Bid Security:

Each Bidder shall submit Rs. 2000 as tender fee during submission along with the bid document. Bidders are required to submit Earnest Money Deposit (EMD) for an amount as specified in Table I along with their **Technical Bid**. The EMD may be submitted in the form of an Account Payee Demand Draft, Fixed Deposit Receipt or Bankers Cheque from any public sector banks, drawn in favour of **"The Chief Executive Officer, Mizoram State e-Governance Society, Aizawl, Mizoram"**, payable at Aizawl. EMD is to remain valid for a period of 180 days from the date of submission of the tender. **No other mode of payment will be accepted.** EMD of the unsuccessful Bidders will be returned to them at the earliest before the 30 days after the award of the contract. The EMD of the successful Bidder(s) would be returned, without any interest whatsoever, after the receipt Performance Security (five percent of value of the contract) from them as called for in the contract. The EMD will be forfeited if the Bidder withdraws or amends impairs or derogates from the tender in any respect within the validity period of their tender. Bids without the EMD **will be summarily rejected. Claim for exemption from submission of EMD will not be entertained for whatsoever reason it may be, unless accompanied with due notification details.**

Note: Exemption for MSME Certificate/UDHYAM in lieu of Bid Security/EMD is accepted as per the Notification of Ministry of Finance, Department of Expenditure vide No. F.20/2/2014-PPD (Pt.) dated 25th July 2017.

Rates of Earnest Money Deposit – See Table-I in Page No 5.

4.2. Performance Guarantee:

To ensure due performance of the contract, Performance Security shall be obtained from the successful bidder(s) who are awarded the contract(s). Performance Security shall be for an amount of 5% (five percent) of the value of the contract. Performance Security may be furnished in the form of an Account payee Demand Draft, Fixed Deposit Receipt from a Commercial bank, Bank Guarantee from a Commercial Bank in an acceptable form safeguarding the MSeGS's interest in all respects. Performance Guarantee should be submitted within 21 (Twenty-One) days from the date of receipt of Letter of Acceptance.

Performance Security will remain valid for a period of sixty days beyond the date of completion of all contractual obligations of the supplier including warranty obligations.

4.3. Security Deposit:

The contractor shall permit the MSeGS to deduct a sum at rate of 5% (five

percent) of the gross amount from each running bill till the sum along with the sum already deposited as **Earnest Money**, amount to 5% of the tendered value of the works. The security deposit can also be deposited in cash or in the form of government securities or fixed deposit receipt. The security deposit shall be refunded after the expiry of the defect liability period.

In Preparing the Technical Proposal, bidders are expected to examine the documents comprising this RFP in detail. Material deficiencies in providing the information requested may result in rejection of a proposal.

4.4. The following details are to be furnished that will form a part of the Bid documents:

- (a) Name and year of establishment of the Agency.
- (b) Value and size of the civil construction projects handled by the Agency since its inception (with Completion certificates) as form mentioned in clause 1.3 & 1.4 of **Annexure-I (Form A)**
- (c) Number of professional and technical staff with qualifications and experiences.
- (d) Audited Financial Report (audited by a registered Chartered Accountant) of the firm for the last three years, indicating Turnover and Net Profit figures in clause 1.2 of **Annexure-I (Form A)**.
- (e) List of Machineries & Equipment as format mentioned clause 1.5 of **Annexure-I (Form A)**.
- (f) All the forms mentioned in the Annexures are mandatory and should be furnish with the BID.

4.5 The Bidder shall provide all the information sought under this RFP and any other relevant information as deemed fit by the Bidder. The MSeGS will evaluate only those Bids that are complete in all respects.

4.6 The Bid and other documents shall be typed and signed by the authorized signatory of the Bidder whose power of attorney for signing the documents as mentioned in **Annexure-IV (FORM D)** should be enclosed in the Bid documents.

4.7 If the envelope is not sealed and marked as instructed above, the MSeGS assumes no responsibility for the misplacement of premature opening of the contents of the Bid submitted and consequent losses, if any, suffered by the Bidder.

4.8 Bids received by the MSeGS after the specified time on the Bid due date shall not be eligible for consideration and shall be summarily rejected.

- 4.9** The Bidders shall be responsible for all the costs associated with the preparation of the Bids and their participation in the bidding process. The MSeGS will not be responsible or in any way liable for such costs, regardless of the conduct or outcome of the Bidding process.
- 4.10** Bidders are encouraged to submit their respective Bids after visiting the Project/work sites and ascertain for themselves the site condition, location, surroundings, climate, availability of power, water and other utilities for construction, access to site, handling and storage of materials, applicable laws & regulation and any other matter considered relevant by them.
- 4.11** Notwithstanding anything contained in this RFP, the MSeGS reserves the right to reject any bid and to annul the Bidding process and reject all Bids at any time without any liability or any obligation for such rejection of annulment, and without assigning any reasons thereof.
- 4.12** Information relating to examination, evaluation and recommendation for the Bidders shall not be disclosed to any person who is not officially concerned with the process or is not officially assisting the MSeGS concerning the Bidding Process. The MSeGS may not divulge any such information unless it is directed to do by any statutory entity that has the power under law to require its disclosure or it's to enforce or assert any right or privilege of the statutory entity and/or the MSeGS or as many be required by law or in connection with any legal process.

4.13 Pre-Bid Meeting / Clarification Regarding Contents of the RFP:

A Bidder who requires clarification regarding the contents of the Bid documents shall notify the MSeGS about the clarifications sought well in advance (at least 3 working days) to the date of Pre-Tender Meeting.

4.14 Modification or Withdrawal of Tender:

Withdrawal of Bid will not be entertained once the same is deposited / dropped in the Tender Box or received. Bidders may submit a modified tender before the last date of receipt of tender, wherein, the lowest financial tender shall be considered for evaluation.

4.15 Clarification Regarding Contents of the Tender:

During evaluation and comparison of Bids, the MSeGS may, at its discretion, ask the Bidders for clarification of his Bid. The request for clarification will be given either in writing or verbally and no change in prices or substance of the Bids will be sought, offered or permitted. No post-tender clarification on the initiative of the Tenderer will be entertained.

- 4.16** No increase in price because of any statutory increase in or fresh imposition

of custom duty, excise duty, or any other tax or duty levied in respect of stores will be accepted once the bid is submitted.

4.17 High standard of workmanship, quality of material and timely supply are the primerequisites of the contract.

4.18 The Chief Executive Officer, Mizoram State e-Governance Society (MSEGS) has the authority to change the quantity of items demanded as per requirement at a later date.

5. SCOPE OF WORK & PROJECT TIMELINE

5.1. The Scope of Work

5.1.1. Civil Work:

The successful bidders will have to construct one (1) RCC building for Village Knowledge Center (VKC) in the following selected location. The Architecture Design and Specification are at **ANNEXURE-IX**.

- (1) Aibawk, Aizawl District
- (2) Sakawrdai, Aizawl District
- (3) Thingsul, Aizawl District
- (4) Ruantlang, Champhai District
- (5) Khawbung S, Khawzawl District
- (6) Hnahthlial S, Hnahthial District
- (7) Zuchhip, Hnahthial District
- (8) Bilkhawthlir, Kolasib District
- (9) Lawngtlai-II, Lawngtlai District
- (10) Chandmary, Lunglei District
- (11) Reiek, Mamit District
- (12) Siaha, Siaha District
- (13) Phullen, Saitual District
- (14) E. Lungdar, Serchhip District
- (15) P&E Veng, Serchhip

The civil work shall include the following items but not limited to:

- (1) Site Development & Earth Work
- (2) PCC
- (3) RCC
- (4) Brick Works
- (5) Stone Works
- (6) Wood Work
- (7) D&W Fittings
- (8) Plastering
- (9) Painting
- (10) Aluminum Work
- (11) Flooring
- (12) Furnitures (Table, Chair, Desk, Podium etc.)

5.2. Project Implementation Timeline

The Implementing Agency is keen to initiate this project at the earliest and complete the project within a time frame of 12 months.

S.N	Project Activity	Time in months
1.	Award of contract and signing of agreement	T + 0

S.N	Project Activity	Time in months
2.	Construction of Building	T + 10
3.	Inspection of Building	T + 11
4.	Hand over	T + 12

6. OPENING AND EVALUATION OF BIDS:

- 6.1. The MSeGS shall open the Bids on **28/06/2023** at 11:00 AM in the office of the Chief Executive Officer, Mizoram State e-Governance Society (MSEGS), Mizoram, Aizawl, in the presence of the Bidders who choose to attend.
- 6.2. The MSeGS will subsequently examine and determine whether each Bid is responsive to the requirements of this RFP. A bid shall be considered responsive only if.
 - a) It contains Bid Security in the prescribed format at **Annexure-VIII (Form H)**.
 - b) It is received by the Bid due date including any extension thereof, if any.
 - c) It is signed, sealed and marked.
 - d) It contains all information (Complete in all respects) as requested in this RFP.
 - e) It contains all the prescribed forms and requirements.
 - f) It does not contain any condition or qualification.
- 6.3. The MSeGS reserves the right to reject any Bid which is non-responsive and no request for alternation, modification, substitution or withdrawal shall be entertain by the MSeGS in respect of such Bids.

The MSeGS also reserves the right to accept in part or in full any bid or reject any or more Bid(s) without assigning any reason or to cancel the Bidding Process and reject all the Bids at any time, without incurring any liability, whatsoever to the affected Bidder or Bidders.

6.4. Technical Evaluation

To evaluate the Tender the MSeGS shall formulate a Tender Evaluation Committee (TEC) (also referred to as "Evaluation Committee"). The Evaluation Committee shall evaluate the Technical bids as per the following process:

- (a) Tender Evaluation Committee shall evaluate and compare the technical bids that have been determined to be substantially responsive.
- (b) Tender Evaluation Committee shall review the Technical Proposal along with Eligibility Criteria. To assist in the examination, evaluation, and comparison of the bids, and qualification of the Bidders, Evaluation Committee may, at its discretion, ask any Bidder for a clarification of its bid.
- (c) Eligible bidders scoring 70% or more in the technical evaluation shall only be considered for financial bid evaluation.
- (d) The Financial Proposals/Bids of only those Bidders who have been qualified in the Technical Proposal will be opened in the presence of

their representatives, who may choose to attend the session on the specified date, time and address mentioned in the Bid Data Sheet.

- (e) Technical Proposals of bidders shall be evaluated by the Tender Evaluation Committee as per the criteria mentioned below and allot technical scores to the bidders.
- (f) The Bid will be evaluated on the basis of the following evaluation criteria (See Rule 75 of the Mizoram Public Procurement Rules, 2019):

Sl. No	Details	Maximum Marks
1	Experience of the firm <ul style="list-style-type: none"> • 3 or more Projects = 20 points • 2 Projects = 15 Points • 1 Project = 10 Point 	20
2	Methodology, work plan and understanding of TOR <ul style="list-style-type: none"> • Proposed site preparation plan and hardware deployment strategy = 20 Points • Implementation Plan & Methodology = 20 Points • Support & Maintenance = 5 Points 	45
3	Suitability of key personnel for the assignment <ul style="list-style-type: none"> • 10 or more qualified technical manpower = 25 Points • Less than 10 technical manpower = 10 points 	25
4	Capability of Transfer of Knowledge	10
	TOTAL	100

Note to bidders:

- Implementing Agency or any other authorized representatives reserves right to visit (or conduct telephonic verification) bidder's customers where such a similar project execution has taken place.
- Bidders who score overall 70 points or higher in the technical evaluation, as per the criteria mentioned above, shall be considered for financial evaluation.

6.5. Financial Evaluation

- (a) The Financial Bids of technically qualified bidders (i.e. scoring ≥ 70 points) will be opened on the prescribed date in the presence of authorized representatives of bidders.
- (b) The Financial scores will be calculated as

$$Fn = Fmin / Fb * 100$$

where,

Fn = Normalized financial score of the bidder under consideration

Fb = Evaluated cost for the bidder under consideration

Fmin = Minimum evaluated cost by any bidder

- (c) Only fixed price financial bids indicating total price for all the deliverables and services specified in this bid document will be considered.
- (d) The bid price will include all taxes and levies and shall be in Indian Rupees and mentioned separately.
- (e) Any conditional bid will be rejected.
- (f) If there is a discrepancy between words and figures, the amount in words will prevail.
- (g) If there is no price quoted, the bid shall be declared as disqualified.
- (h) In the event that there are 2 or more bidders having the same value in the financial bid, the bidder securing the highest technical score will be adjudicated as the "Best responsive bid" and will be given preference for engagement.

6.6. Selection of the Bidder(s)

- (a) Quality and Cost Based Selection (QCBS) as per procedure laid down under the Mizoram Public Procurement Rules, 2020 will be followed for selection of consultant/firms, where quality of the work is the prime concern.
- (b) Only those responsive proposals that have achieved at least minimum specified qualifying score in quality of technical proposal will be considered further.
- (c) After opening and scoring, the financial proposals of responsive technically qualified bidders, a final combined score will be arrived at by assigning weightages for the score of quality of the technical proposal and the score of financial proposal.

(d) The final evaluation of the overall score will be calculated as follows:

$$Bn = 0.70 * Tn + 0.30 * Fn$$

where,

Bn = overall score of bidder under consideration

Tn = Technical score for the bidder under consideration

Fn = Normalized financial score of the bidder under consideration

Note:

MSEGS reserves the right to negotiate with the Bidder whose proposal has been ranked first on the basis of best value.

- 6.7. After selection, a Letter of Acceptance (LOA) shall be issued by the MSeGS to the Selected Bidder and the Selected Bidder shall, within 2 (Two) days of the issue of the Letter of Acceptance (LOA), acknowledge receipt of the same indicating therein its acceptance or otherwise of the Letter of Acceptance (LOA) and the assignment.
- 6.8. After acknowledgement of the Letter of Acceptance (LOA) as aforesaid by the Selected Bidder, a Deed of Agreement shall be executed between the MSeGS and the Selected Bidder within 21 (Twenty One) days.
- 6.9. The method for calculation of marks and relative weightages will be as prescribed under Rule 76, (Appendages 1.9) of the Mizoram Public Procurement Rules, 2020.
- 6.10. Bids shall be deemed to be under consideration immediately after they are opened and until such time the MSeGS makes official intimation of award to the Selected Bidder, While Bids are under consideration, Bidder and/ or their representatives of other interested parties are advised to refrain, save and except as required under the Bidding Documents, from contacting by any means, the MSeGS on matters related to the Bids under consideration.

7. GENERAL TERMS AND CONDITIONS FOR TENDER AND CONTRACT:

Bidders should read these conditions carefully and strictly comply while submitting their bids.

7.1. GENERAL:

- 7.1.1. Subject to the provision of para 6.2.4 below, the Successful Bidder shall be paid the actual cost for construction of items specified in the latest Working Detailed Project Report.
- 7.1.2. Executing Agency charges shall be based on prevailing rates in the PWD SOR as approved by the State Government which is in-built in the Detailed Project Report (DPR).
- 7.1.3. All incidental charges including the GST and any other tax or cess as applicable on the execution of the project shall be incorporated as part of para 6.2.2 above.
- 7.1.4. The following expenses will be borne from the Project Cost:
 - (a) Cost paid by the MSeGS to local government any other statutory body or bodies for getting approvals for the project.
 - (b) Cost of laboratory charges for testing of materials, etc. for the purpose of ensuring Quality Control

7.2. ROLE AND RESPONSIBILITIES OF THE EXECUTING AGENCY:

- 7.2.1. Subsequent to the signing of the agreement and the approval of the project, the Executing Agency shall forthwith take possession of the site from the MSeGS and shall nominate qualified Engineer (s) for execution of the project under intimation to the MSeGS.

In case the MSeGS advised the Executing Agency for replacement of Site Engineer the same will be duly considered by it and suitable replacement shall be provided.

- 7.2.2. Executing Agency executes the works at approved cost as per approved technical designs and drawings.
- 7.2.3. The Executing Agency shall be wholly, solely and fully responsible for the timely completion of the project, the quality of works as per approved designs and the structural safety during & after completion of the project.
- 7.2.4. The MSeGS or Agency as mentioned in para 6.8.1 can inspect and check the construction work from time to time to see that the buildings are being constructed as per drawings & specifications. If

any defects are found or deviation(s) from the Plan in the DPR without the written permission of the MSeGS is noticed during the inspections, the same will be rectified by the Executing Agency.

- 7.2.5. During the various stages of execution, Executing Agency shall submit monthly progress reports with site photographs with minimum 6 site photographs embedded in the A4 size papers.
- 7.2.6. The Executing Agency shall be responsible for proper execution of structure, specifications and workmanship.
- 7.2.7. Liability for all defects in the construction work by the executing agency shall lie with them for a period of 12 (Twelve) months from the date of its handing over-site complete in all respect to the MSeGS. Executing Agency shall be responsible for satisfactory rectification of defects.
- 7.2.8. Any defects discovered and brought to the notice of the Executing Agency during the period aforesaid shall be rectified by Executing Agency forthwith at its own cost and expenses. In the event of the failure on the part of the Executing Agency to rectify the defects, the same may without prejudice to any other rights available to MSeGS in law can be got rectified by the MSeGS for and on behalf of Executing Agency and at the cost and expense of the Executing Agency, after due notice of 30 days to the Executing Agency.
- 7.2.9. The MSeGS shall have the right to deduct or set off the expenses incurred by it in rectifying the defects as aforesaid from or against any amount due and payable or becoming due and payable by the MSeGS to the Executing Agency under this agreement or from any other amount due. The MSeGS shall be entitled to claim the balance due with interest and recover the same from the Executing Agency, if the amount claimed is not paid in demand.
- 7.2.10. The Executing Agency shall unless otherwise specified, be fully responsible for procurement of all materials and services for the construction activity.
- 7.2.11. Executing Agency shall be fully responsible for acts or omissions committed by it.
- 7.2.12. The Executing Agency shall be fully responsible to defend any suits or arbitration cases arising in respect of the project in connection with the Work between the Executing Agency and its sub-agency/workers at its own cost.
- 7.2.13. The Executing Agency shall, whenever required, obtain in writing approval of the local bodies or statutory bodies for the planning,

construction as contemplated in this agreement. However, the MSeGS shall render necessary support to the Executing Agency regarding getting such approvals.

- 7.2.14. The Executing Agency shall be fully responsible for observance of all labor laws and other laws applicable and shall indemnify and keep indemnified the MSeGS against effect of non-observance of any such laws by it or the sub-agency.

Further, MSeGS shall not be responsible in any manner whatsoever or Damages/ compensation under workmen Compensation Act or any other law in torts or in civil law to the employees of Executing Agency and /or Contractor(s) and/or laborer employed.

- 7.2.15. The Executing Agency shall send completion report with as-built drawings and maintenance schedules for all the services to the office of the MSeGS in writing within 15 days of completion of work.

- 7.2.16. Responsibility to obtain Completion Certificate and Occupancy Certificate rests with the executing agency, and the project shall be deemed to have been completed and at the stage of handing over only when these are obtained from the local body(ies).

- 7.2.17. All plans, drawing, specifications, design, report and other documents prepared by the Agency in performing the Services shall become and remain the property of the MSeGS, and the Agency shall, not later than upon termination or expiration of this Agreement, deliver all such documents to the MSeGS, together with a detail inventory thereof. The Agency may retain a copy of such documents.

- 7.2.18. The Agency, their Sub- Agency/ Third party and personnel of either of them shall not, either during the term or within two (2) years and 6 (six) months after the expiration of the Contract period, disclose any proprietor or confidential information relation to the project, the Services, the Contract or MSeGS's business or operation without the prior written consent of the MSeGS.

7.3. RESPONSIBILITIES OF THE MSEGs:

The MSeGS shall make available the site for the work to the Executing Agency.

- 7.3.1. MSeGS will not be responsible to the contractors/ supplier of the items required for execution of contract.

- 7.3.2. MSeGS shall make payment due under this agreement to the Executing Agency. However, MSeGS may levy compensation upon

the Executing Agency due to non- fulfillment of any clause of the contract or bad work or deficiency in services or any other reasons whatsoever deemed appropriate under relevant rules and regulations.

7.4. COMPLETION OF THE PROJECT:

7.4.1. The date of start of work i.e. execution and completion shall be reckoned from the 15th day after signing of the Agreement.

7.4.2. Each work shall be completed in all respect within a period given in the Agreement.

7.5. PENALTY:

Executing Agency shall be required to complete the construction work within the stipulated period. In case of delay which may occur due to reasons beyond the control of the Executing Agency, Executing Agency will approach the MSeGS with full details for extension of time limit for completion of works. In case of delay due to sole default on part of Executing Agency, or its Contractors/ Subcontractors, the Executing Agency shall be liable to pay to the MSeGS compensation (Not amounting to penalty) at the rate of not exceeding ¼ % (One quarter percent) of the total anticipated Executing Agency charges per week of delay subject to maximum of 10% (Ten percent) of the total Agency charges. However, the MSeGS may reduce the same at its sole discretion. The MSeGS will be the sole authority to decide on the nature and cause of delay and its decision will be final.

7.6. ASSIGNMENT OF THE AGREEMENT:

The Executing Agency shall not assign or transfer or part with any of the rights, duties of obligations, wholly or in part, under this agreement to any other part without the previous consent in writing of the MSeGS, except as provided under the agreement.

7.7. PAYMENT AND SCHEDULE OF PAYMENT:

7.7.1. **Mobilization Advance:** Mobilization Advance shall be limited to 10% of Tendered Amount at 10% simple interest per annum.

The mobilization advance shall be released only after obtaining a bank Guarantee bond from a schedule bank for the amount of advance to be released and valid for the contract period. This shall be kept renewed time to time to cover the balance amount and likely period to complete recovery together with interest. The advance will be released in two installments. The interest on the

advance shall be calculated from the date of payment to the date of recovery, both days inclusive.

It shall be ensured that at any point of time, Bank Guarantee is available for the amount of outstanding advance.

The recovery should be commenced after 10% of work is completed and the entire amount together with interest shall be recovered by the time 80% of the work is completed.

7.7.2. Secured Advance:

- (a) Secured Advances on the security of materials brought to the construction site may be made to the contractors for items which are to be used on work.
- (b) The MSeGS can sanction the secured advance up to an amount not exceeding 75 percent of the value of the materials as assessed by the Engineer-in-charge, or an amount not exceeding 75 percent of the material element cost in the tendered rate of the finished item of work, whichever is lower.
- (c) A formal agreement should be drawn up with the contractor under which Government secures a lien on the materials and is safeguarded against losses due to the contractor postponing the execution of the work or due to shortage or misuse of the materials, and against the expense entailed for their proper watch and safe custody.
- (d) Payment of such advances should be made only on the certificate of an officer not below the rank of Sub-Divisional Officer that:
 - i. The quantities of materials for which the advances are made have actually been brought to site;
 - ii. Full quantities of the materials, for which advance is to be made, are required by the contractor for use on items of work for which rates for finished works have been agreed upon;
 - iii. The quality of materials is as per the specifications.
- (e) Recoveries of advances so made should not be postponed until the whole of the work entrusted to the contractor is completed. They should be made from his bills for work done as the materials are used, the necessary deductions being made whenever the items of work in which they are used are billed for.
 - i. Secured advance shall be granted only for non-perishable items. The Officer- in-charge shall identify whether an item is perishable or not;

- ii. Where stage payments are stipulated in certain contracts, like for Electrical and Mechanical (E&M) and other specialized works, such payments shall not be treated as secured advance.

The Executing Agency shall give the reimbursement bill Monthly/Quarterly along with their expenditure claim (that may include agency charges). Copy of the expenditure statement duly certified by a representative of Executing Agency on the project for reimbursement/adjustment of expenditure incurred from the funds advanced to the Executing Agency.

- 7.7.3. The remaining fund will be released to the Executing Agency on actual execution basis on on-site measurements.
- 7.7.4. On completion of work, the accounts of the work shall be closed and a final bill/ expenditure statement audited by a Chartered Accountant shall be submitted for settlement.

7.8. MONITORING:

- 7.8.1. Effective monitoring shall be carried out by the Agency, and by the MSeGS to monitor the progress and quality of the works in implementation of the Project. To this end, Agency shall furnish all the data and information, as may be prescribed by the MSeGS from time to time, in a prescribed/relevant format.
- 7.8.2. The Agency shall monitor the progress of the works by maintaining full information of contractors, contractor-wise status report of cost of work done and payments made, list of completed works and value of work done in the prescribed format.
- 7.8.3. The Agency shall ensure that best practices are applied for quality management of works. The Executing Agency shall intimate the MSeGS of details of the Quality Control System operational at the Agency level.
- 7.8.4. The first tier of quality control will be executed at the Agency level.
- 7.8.5. The MSeGS, besides the Technical Wing of the Department, may also appoint Independent Quality Monitors as required.
- 7.8.6. The Agency shall submit quarterly progress reports along with photographs of works undertaken.
- 7.8.7. **Patents and Other Industrial Property Rights:**
The prices stated in the present contract shall be deemed to include all amounts payable for the use of patents, copyrights, registered

charges, trademarks and payments for any other industrial property rights. The Seller shall indemnify the Buyer against all claims from a third party at any time on account of the infringement of any or all the rights mentioned in the previous paragraphs, whether such claims arise in respect of manufacture or use.

7.9. ARBITRATION:

Every dispute, difference, or question which may at any time arise between the parties hereto or any person claiming under them, touching or arising out of or in respect of this agreement or the subject matter thereof, shall first be endeavored to be amicably resolved at the Top Management level of the parties. However, in the event of such dispute, difference or question, etc., remaining unsolved, the same shall be referred to the arbitration by a sole arbitrator appointed mutually by both the parties as per provisions of the Arbitration & Conciliation Act, 1996 as applicable.

The place of such arbitration shall be at Aizawl, Mizoram.

6.10 FORCE MAJEURE:

The works(s) (whether fully completed or not) and all materials, machines, tools & plants, scaffolding, temporary buildings & other things connected therewith shall be at the risk of the Agency until the work has been delivered to the MSeGS and a certificate from him to that effect obtained. In the event of the work of any materials properly brought to the Site for incorporation in the work being damaged or destroyed in consequence of hostilities or war-like operations, Agency shall, when ordered in writing by the MSeGS, remove any debris from the Site, collect and properly remove or/and stack in store all serviceable materials salvaged from the damaged work & shall be paid at the Contract rates in accordance with the provisions of this Contract for the work of cleaning the site of debris, stacking removal of serviceable materials and for the reconstruction of all works ordered by the MSeGS, such payment being in addition to compensation up to the value of work originally executed before being damaged or destroyed but not already measured and paid for, the compensation shall be assessed by the Agency and by the MSeGS. The Agency shall be paid for the damaged/destruction suffered and for restoring the material at the rates based on the analysis of rates tendered for in accordance with the provisions of the contract. The certificate of the MSeGS regarding the quality and quantity of the materials and the purpose for which they were collected shall be final & binding on all parties to the contract.

Provided always that no compensation shall be payable for any loss in hostilities or war-like operations.

- i. Unless the Agency had taken all such precautions against Air raids as

are deemed necessary by the MSeGS.

- ii. For any materials etc. not on the site of the work or for any tools and plant, machinery, scaffolding temporary buildings and other things not intended for the Work.

In the event of the Agency having to carry out reconstruction as aforesaid, he shall be allowed such extension of time for its completion as is considered reasonable by the Engineer-in- Charge.

In the event of any loss or damage to the work or any part thereof from any of the Excepted Risks, the following shall have effect.

- i. The Agency shall, as may be directed in writing by the MSeGS, remove from the Site any debris of so much of the Work as shall have been damaged.
- ii. The Agency shall, as may be directed in writing by the MSeGS, proceed with the erection & Completion of the Work under and in accordance with the provisions and conditions of the Contract. Payment of such additional works, if any, shall be made as per terms of the Contract.

Provided always that the Agency shall not be entitled to payment under the above provisions in respect of such loss or damage as has been occasioned by any failure on his part to perform his obligations under the Contract or not taking precautions to prevent loss or damage.

ANNEXURE – I (FORM A)**QUALIFICATION INFORMATION**

This Section contains all the criteria that the MSeGS shall use to evaluate Bids and qualify Bidders.

The information to be filled in by the Bidder in the following pages will be used for purposes of Qualification. This information will not be incorporated in the contract.

1. Qualification Information of the Bidder:

Constitution or Legal status of Bidder: [Attach copy]

Place of Registration:

Principal place of business:

Power of attorney of signatory of Bid: [Attach copy]

- 1.1 Total value of Works performed in the last three year (immediately pre-ceding the financial year in which bids are received):

Year	Description of work	Nodal Officer	Value (Rs in lakhs)
2019 to 2020			
2020 to 2021			
2021 to 2022			

- 1.2 Experience in works of similar nature of work performed as prime contractor: work performed in the past as a nominated sub-contractor will also be considered provided the Sub-Contract involved execution of all main items of work described in the Bid Document, provided further that all other qualification criteria are satisfied (in the same name) on works of similar nature over the last five years (immediately preceding the financial year in which Bids are received).

Project Name	Name of MSeGS	Description of Works	Contract No	Value of Contract	Date of issue of Work Order	Stipulated period of completion	Actual date of completion*	Remarks – reason for delay & work completed

*Attach completion certificates from the Engineer-in-Charge

Information on Bid Capacity (works for which Bids have been submitted and works which are yet to be completed) as on date of Bid

A. Existing commitments and on-going works:

Description of Works	Place/State	Contract No	Name & Address of MSeGS	Value of contract in lakh Rs	Stipulated period of completion	Value of remaining works to be completed	Anticipated date of completion

B. Works for which bids already submitted.

Description of work	Place & State	Name & address of MSeGS	Estimated Value of work (Rs in lakh)	Stipulated period of completion	Date when decision is expected	Remarks

1.3 Availability of key Contractors' Equipment is essential for carrying out the works. The Bidder should list all the information requested below.

Item of Equipment	Requirement		Availability proposal			Remarks(Fromwhom to be leased/purchased)
	No	Capacity	Owned/ leased to be procured	Nos./Capacity	Age/ Condition	

1.4 Qualifications and experience of key personnel for administration and execution of the contract:

Position	Name	Qualification	Year of experience (General)	Year of experience in proposed position

1.5 Proposed Sub-Contracts and Firms involved.

Sanctions of the work	Value of Sub-Contract	Sub-Contractor (Name & Address)	Experience in similar works

Note: Attach copies of Certificates on possession of valid license for executing

Electrical works.

- 1.6 **Financial reports for the last five years:** Balance sheets, profit and loss statement auditors Reports, etc. List them below and attach copies.

Financial Information	Historical information for the last 5 years from to						
	Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	Avg	Avg. ratio
Information from Balance sheet							
Total assets							
Total liabilities							
Net worth							
Current asset							
Current liabilities							
Information from income statement							
Total revenue							
Profit before taxes							

- 1.7 **Evidence of access to financial resources to meet the qualification requirements:** cash in hand lines of credit, etc. List them below and attach copies of support documents

Sl. No	Source of Funding	Amount	Remarks
1			
2			
3			
Total			

- 1.8 Name, address and telephone, telex and fax numbers of the Bidders' bankers who may references if contacted by the MSeGS.

Sl. No	Name of Bank	Address	Contact Phones/Telex/fax	Remarks

- 1.9 Information on litigation history in which the Bidder is involved

Other Parties	MSeGS	Cause of dispute	Amount involved	Remarks (present status)

1.10 Statement of compliance to be undertaken:

(Name of Consultant engaged for Project preparation is_____)

I, the undersigned, do hereby certify and declare that our Firm
(name of firm) or any of our employees is neither associated, nor has been associated directly or indirectly with the Consultant or any other entity that has prepared the design, specifications and other documents for the Projects being proposed for the Contract.

(Signature of authorized Signatory of the Firm)

Name of the signatory_____

Title of the signatory: _____

Date: _____

Proposed work method and schedule. The Bidder should attach descriptions, drawings and charts as necessary to comply with the requirements of Bidding Documents.

- (a) Site Organization
- (b) Method Statement
- (c) Mobilization Schedule
- (d) Construction Schedule
- (e) Contractor's Equipment
- (f) Personnel
- (g) Others

2. Additional Requirements

Bidders should provide any additional information required to fulfill the requirement of ITB, if applicable

**ANNEXURE-II (FORM B)
FORM OF TECHNICAL BID**

Name of Work: _____

Bid No: _____

To,

Chief Executive Officer
Mizoram State e-Governance Society (MSEGS)
Mizoram, Aizawl

Sir,

We, the undersigned, declare that:

1. We have examined and have no reservations to the Bidding Document, including Addenda.
2. We offer to execute the Works described above and remedy any defects therein in conformity with the Conditions of Contract including Special Conditions, Specifications, Drawings, Bill of Quantities.
3. We undertake, if our Bid is accepted, to commence the work as stipulated in this Contract, and to complete the whole work comprised in the Contract within the time stated in the Contract Document.
4. We agree to abide by this Bid for the period of days from the date fixed for receiving the same, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
5. We undertake that unless and until a formal Agreement is prepared and executed, this Bid, together with your written notification of Letter of Acceptance shall constitute a binding contract between us.
6. We understand that you are not bound to accept the lowest or any tender you may receive.
7. I/We do hereby submit our Technical Bid, complete with all the required information as stipulated in your Bidding Documents.

Signature of authorized signatory.....

Name.....

Title

Date

ANNEXURE-III (FORM C)**FORM OF FINANCIAL BID**

Name of Work: _____

Bid No: _____

To

Chief Executive Officer
Mizoram State e-Governance Society (MSEGS)
Mizoram, Aizawl

Sir,

We, the undersigned, declare that:

1. We have examined and have no reservations to the Bidding Document including Addenda.
2. We offer to execute the Works described above and remedy any defects therein in conformity with the Conditions of Contract including Additional Conditions and Special Conditions, Specifications, Drawings, Bill of Quantities accompanying this Bid for a sum of..... (Rupees.....) only.
3. We undertake to abide by the Final Sum coming out of the correction of arithmetical errors as indicated in the General Conditions of Contract.
4. We also undertake, if our Bid is accepted, to commence the work within the period as indicated in the Contract Document and to complete the whole work comprised in the Contract within the time stated in the Contract Document.
5. We agree to abide by this Bid for the period of days from the date fixed for receiving the same, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
6. We undertake that unless and until a formal Agreement is prepared and executed, this Bid, together with your written notification of Letter of Acceptance shall constitute a binding contract between us.
7. We understand that you are not bound to accept the lowest or any tender you may receive.
8. I/We do hereby submit our Financial Bid, complete with all the required information as stipulated in your Bidding Documents.
9. Items rates to be listed as below:

S.N	Line Item	No of Items	Unit Price in ₹. (inclusive of all taxes, etc)	Total Price (in ₹.)
1.	Site Development & Earth work			
2.	PCC			

S.N	Line Item	No of Items	Unit Price in ₹. (inclusive of all taxes, etc)	Total Price (in ₹.)
3.	RCC			
4.	Brick Work			
5.	Wood Work			
6.	D&W Fittings			
7.	Plastering			
8.	Painting			
9.	Aluminium Works			
10.	Ceiling			
11.	Flooring			
12.	steel work			
13.	Roofing			
	Grand Total			

Signature of authorized signatory:

Name:

Title:

Date:

ANNEXURE-IV (FORM D)**POWER OF ATTORNEY FOR SIGNING OF BID**

(Non Judicial Stamp Paper)

Know all men by these presents, We (Name of the Bidder/Firm and address of the registered office) do hereby irrevocably constitute, nominate, appoint and authorize Mr./Ms (name), son/ daughter/ wife ofand presently residing at (veng/khua) who is presently employed with us as our true and lawful attorney (herein after referred to as the "Attorney") to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our BID(s) for the [name of Work] proposed by the.....(name of Department) including but not limited to signing and submission of all BIDs, and other documents and writings, participate in conferences/meetings and providing information/ responses to the Authority, representing us in all matters before the Authority, signing and execution of all contracts and undertakings consequent to acceptance of our bid[s], and generally dealing with the Authority in all matters in connection with or relating to or arising out of our bid for the said Work[s] and/ or upon award thereof to us and/or till the entering into of the contract with the Authority.

AND we hereby agree to ratify and confirm and do hereby ratify and confirm all acts, deeds and things lawfully done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us.

In witness whereof we,....., the above named principal has executed this power of attorney on this.....day of....., 2023

For (Signature)

(Name, Title and Address) Witnesses:

1. Accepted
2. Accepted

.....
(Signature)

(Name, Title and Address of
the Attorney)(Notarized)

Person identified by me/personally appeared before me/signed before
me/Attested/Authenticated*

(*Notary to specify as applicable)

(Signature, Name and Address of the Notary) Seal of the Notary Registration Number of
the Notary Date:___

Notes:

1. The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required, the same should be under common seal affixed in accordance with the required procedure.
2. Also, wherever required, the BIDDER should submit for verification the extract of the charter documents and documents such as a resolution/power of attorney in favour of the person executing this Power of Attorney for the delegation of power hereunder on behalf of the BIDDER.

ANNEXURE-V (FORM E)**AFFIDAVIT**

(Non Judicial Stamp Paper)

1. I, the undersigned, do hereby certify that all the statements made in the required attachments are true and correct.
2. The undersigned also hereby certify that neither our firm M/S..... has abandoned any works in Indian or any contract awarded to us have been rescinded during the last five years prior to the date of this Bid.
3. The undersigned hereby authorize and request any Bank, person, firm or corporation to furnish pertinent information deemed necessary and required by the Department to verify this statement or regarding my(our) competence and general reputation.
4. The undersigned understand and agree that further information may be requested and agrees to furnish any such information at the request of the Department.

(Signature of Authorized Signatory of the Firm)

Name of the signatory:.....

Title of the signatory:.....

Date:.....

ANNEXURE-VI (FORM F)**UNDERTAKING**

I, the undersigned do hereby undertake that our Firm M/S.....
would invest a minimum cash upto 25% of the value of the Work during
implementation of the Contract.

Signed by an Authorized Signatory of the firm:.....

Title of the Signatory:.....

Name of Firm:.....

Date:.....

ANNEXURE-VII (FORM G)

BID VALIDITY FORM

I, the undersigned do hereby undertake that the bid submitted by our firm M/s _____ (Name and address of the bidder) is valid for a period of _____ days and valid till _____.

Signed by the Authorized Signatory of the Firm:.....

Title of the Signatory:.....

Name of the Firm:.....

Date:.....

ANNEXURE-VIII (FORM H)**BID SECURITY DECLARATION**

Date:

Bid No:

Name of Work:

To

Chief Executive Officer,
Mizoram State e-Governance Society
Mizoram, Aizawl.

Dear Sir,

We, the undersigned, declare that:

We understand that, according to your conditions, bids must be supported by a Bid Security Declaration.

We accept that we will automatically be suspended from being eligible for bidding in any contract with the Mizoram State e-Governance Society for the period of time of 3 years starting on, 2023, if we are in breach of our obligation(s) under the bid conditions, because we:

- (b) have withdrawn our Bid during the period of bid validity specified in the RFP; or
- (c) having been notified of the acceptance of our Bid by the Mizoram State e-Governance Society (MSEGS) during the period of bid validity;
- (d) fail or refuse to execute the Contract, if required, or fail or refuse to furnish the Performance Security, in accordance with Conditions of Contract/Agreement.

We understand this Bid-Securing Declaration shall expire if we are not the successful Bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful Bidder; or (ii) twenty-eight days after the expiration of our Bid.

Signed:

Name:

Designation:

Seal

[**Note:** In case of a Joint Venture, the Bid-Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid]

PROJECT NO:

PROJECT : CONSTRUCTION OF VILLAGE KNOWLEDGE CENTRE IN MIZORAM
STAGE : PRELIMINARY DRAWING

LOCATION :

1. Aibawk, BDO Aibawk, Aizawl District	8. Bilkhawthlir, BDO Bilkhawthlir, Kolasib District
2. Sakawrdai, BDO Darlawn, Aizawl District	9. Lawngtlai-III, BDO Lawngtlai, Lawngtlai District
3. Thingsul, BDO Thingsulthliah, Aizawl District	10. Chanmari, BDO Lunglei, Lunglei District
4. Ruantlang, BDO Champhai, Champhai Dist.	11. Reiek, BDO Reiek, Mamit District
5. Khawbung S, BDO Khawbung, Champhai Dist.	12. Siaha, Siaha District
6. Hnahthlial S, BDO Hnahthial, Hnahthial District	13. Phullen, BDO Phullen, Saitual District
7. Zuchhip, BDO Khawzawl, Khawzawl District	14. E. Lungdar, BDO E. Lungdar, Serchhip Dist.
	15. P&E Veng, BDO Serchhip, Serchhip District.

AREA STATEMENT	DATE : FEBRUARY 2023	Sheet List	
GROUND FLOOR - 45 SQM	NOTE : 1. All dimensions are in mm unless specified otherwise. 2. Though Drawings are made to Scale, due to photo copying and digital printing, dimensions are better to be read only, and not measured. 3. Standard Symbols/Legends ans Material Sections are used as far as possible. Column & Beam Sizes are assumed since Structural Drawing is not yet prepared.	Sheet Name	Sheet Number
		BRIEF SPECIFICATIONS - I	01
		BRIEF SPECIFICATIONS - II	02
		GROUND FLOOR PLAN	03
		REFLECTED CEILING PLAN	04
		ROOF PLAN	05
		SECTION 1	06
		SECTION AT 2	07
		3D VIEWS	08
		PERSPECTIVE VIEW	09
		SECTIONAL VIEW 3	10

BRIEF SPECIFICATION FOR CONSTRUCTION OF VILLAGE KNOWLEDGE CENTRE										
<p>1. FOUNDATION: Foundation shall be Isolated/combined R.C.C. footing foundation as per structural design and quality specifications.</p> <p>2. SUPER STRUCTURE: Super Structure shall be RCC frame structure with RCC slabs upto ground floor. Reinforcement bar shall be approved make. Cement and cement concrete shall be improved with chemical additive. Approved make for reinforcing bar: 1. TATA TISCON, 2. SAIL, 3. JINDAL (PANTHER) 4. All ISI Marks Approved made for Building chemicals: 1. SIKA Plastocrete, 2. MYK Schomburg Approved made for Cement : STAR Cement, Topcem Cement, Max Cement. Above the RCC slab all the structure shall be light gauge steel structure as per approved company make and specification detail attached.</p> <p>3. DAMP PROOF COURSE: Damp proof course shall be provided at all the floors directly touching the soil and all the walls and retaining wall directly touching the soil like Sika Top Seal – 107 or 109 hi OR equivalent from other approved brand.. Approved made for DPC: SIKA, MYK (Schomburg), Pidilite</p> <p>4. ANTI-TERMITE TREATMENT: Chemical emulsion shall be applied to soil near columns sides and plinth beams along external periphery of the building of a depth of 500mm below ground level. Approved made: Gammax – 20(Lindane 20% EC)</p> <p>5.0. WALLS: 5.1. External walls: External walls shall be half brick thick wall plaster on both sides with cement plaster. External plaster shall be done with water proof additive like latex from pidillite OR equivalent from other approved brand. Approved made for waterproof : SIKA, MYK (Schomburg), Pidilite</p> <p>5.2. Internal wall/Partition: All Internal partition shall be half brick thick 125mm wall plastered on both sides with cement plaster.</p> <p>6.0. ROOF: 6.1. FLAT ROOF: All flat roof shall be treated with water proof & leakage with minimum 3mm thickness modified bituminous membrane, over RCC slab as per manufacturer's specification. This membrane shall be covered with lean cement concrete 1:4:8 and made slope to drain in 1:30. For protection against UV radiation and physical wear and tear. Approved made:SIKA top seal 109 hi or equivalent from MYK (Schomburg) and Pidilite</p>						<p>6.2. SLOPING ROOF: All sloping roof shall be 0.5mm thick PGCI sheet of approved make, fixed with SDST screws only, and provided with gutter flashing at all the gutters, apron flashing at all direct joint to vertical wall ridges and valley with the same 0.5mm thick PGCI sheet.</p> <p>Approved made: Tata Bluescope steel, Prestar, Color Metal, Dyna Roof, Wonder Roof.</p> <p>6.3. Roof Drain: Roof drain point shall be made with readymade Aluminium alloy or gun metal roof drain and shall be installed as per manufacturer’s specification. They shall be connected by roof drain pipe. Approved made: ACO</p> <p>7.0. DOORS: Main door shall be paneled first class local teak wood. All room doors shall be of ready-made paneled door.</p> <p>7.1. Toilet Doors: Toilet doors shall be 12mm thick hybrid board or marine grade block board, with frames for stiffening the shutter.</p> <p>7.2. Door Fittings: All door fittings such as hinges, cylindrical lock, handle shall be quality brass. Approved made for all door fittings: Godrej, Ebco, B&R, Approved made for toilet door panel: Al Stone Hybrid board, Greenlam</p> <p>8.0. WINDOWS: All windows, ventilators and fixed glazing frame shall be made with 40 series section, 15 micron anodized aluminum.</p> <p>Approved made: Jindal, Bhagwati Sai, Hindalco, Halco All window glazing shall be 5 mm thick clear glass. Approved made for glass : Triveni glass, Saint Gobain, Asahi,</p> <p>8.1. FITTINGS: Window handles ,locks & stay hinges shall be approved made. Approved made : Ebco</p> <p>9.0. FLOORING: 9.1. Room floor: All floors proposed for habitable rooms shall be of vitrified tiles of size not less than 600 mmx600 mm.</p> <p>9.2. Toilets floor: All Toilets floors shall be matt finished ceramic tile of size not less than 300mmx300mm.</p>				
<div>PROJECT</div> <div>CONSTRUCTION OF VILLAGE KNOWLEDGE CENTRE IN MIZORAM</div> <div>1. All dimensions are in mm unless specified otherwise. 2. Though Drawings are made to Scale, due to photo copying and digital printing, dimensions are better to be read only, and not measured. 3. Standard Symbols/Legends ans Material Sections are used as far as possible. Column & Beam Sizes are assumed since Structural Drawing is not yet prepared.</div>										
DRAWING : PRELIMINARY DRAWING										
SHEET :BRIEF SPECIFICATIONS - I										
DRAWING NO :										
PROJECT REGN NO :										

BRIEF SPECIFICATION FOR CONSTRUCTION OF VILLAGE KNOWLEDGE CENTRE

9.3. Verandah,Ramp:: Floor shall be vitrified pavement tile of size 300mmx300mm, 10 mm thick over PCC/RCC slab or 150mm thick brick soling on floor touching soil.

9.4. Dado: Skirting or dado for all rooms except toilet shall be 150mm high of the same flooring material should be provided in all areas. All toilet dado shall be 1500mm height with wall tiles.

Approved made for floor and wall tiles : Asian
Tile, Somany, Johnson

Approved made for floor and wall tiles : Asian
Tile, Somany, Johnson

Approved made: Tata structura.

11.0. PLUMBING:

Approved made: Astral, Ajay

Approved made: Hindware, Parryware, Cera

Approved made :Agmeco, Omkar

Approved made: Supreme UDS

Approved made: Armstrong, Everest

Approved made for wiring Cables: Havells, Polycard, RR Kabel wires

13.1. EARTHING: Earthing shall be made as per 2005 building code provisions.

14.0. PAINTING:

14.2. Internal walls are to be painted with approved shade of washable acrylic Interior emulsion.

14.3. Doors: All room doors shall be finished with Melamine over varnish paint.

PROJECT

CONSTRUCTION OF VILLAGE KNOWLEDGE CENTRE IN MIZORAM

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DRAWING : PRELIMINARY DRAWING

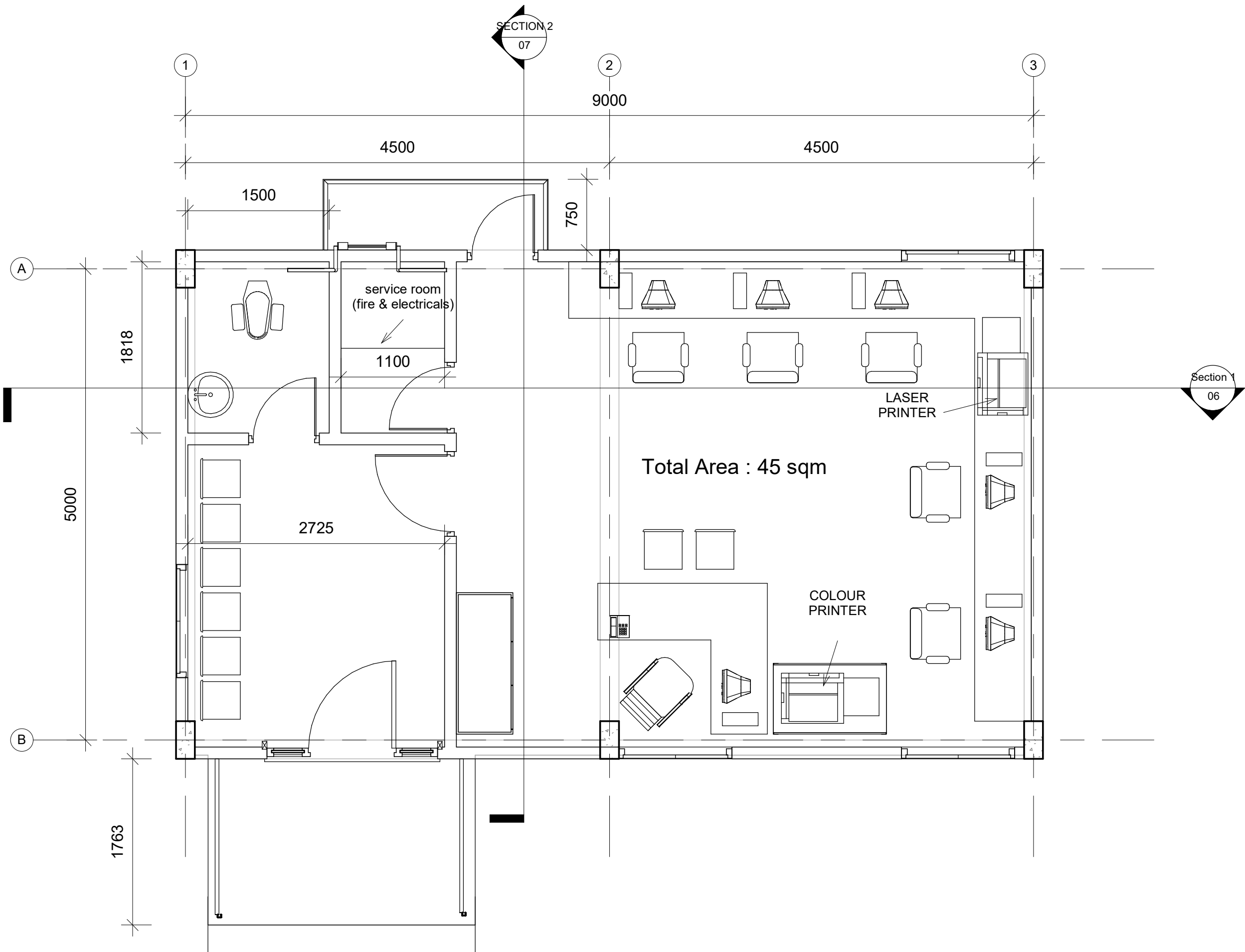
SHEET : BRIEF SPECIFICATIONS - II

DRAWING NO :

PROJECT REGN NO :

REVISION	1	2	3	4	5
DATE: 10 FEB 2022		SHEET NO 02			
SCALE:					

ZORINSANGA B.ARCH REGN.NO. CA/2017/85672	GEORGE LALZUIA ARCHITECT REG.NO.CA-88/11810
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PROJECT

CONSTRUCTION OF VILLAGE KNOWLEDGE CENTRE IN MIZORAM

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DRAWING : PRELIMINARY DRAWING

SHEET : GROUND FLOOR PLAN

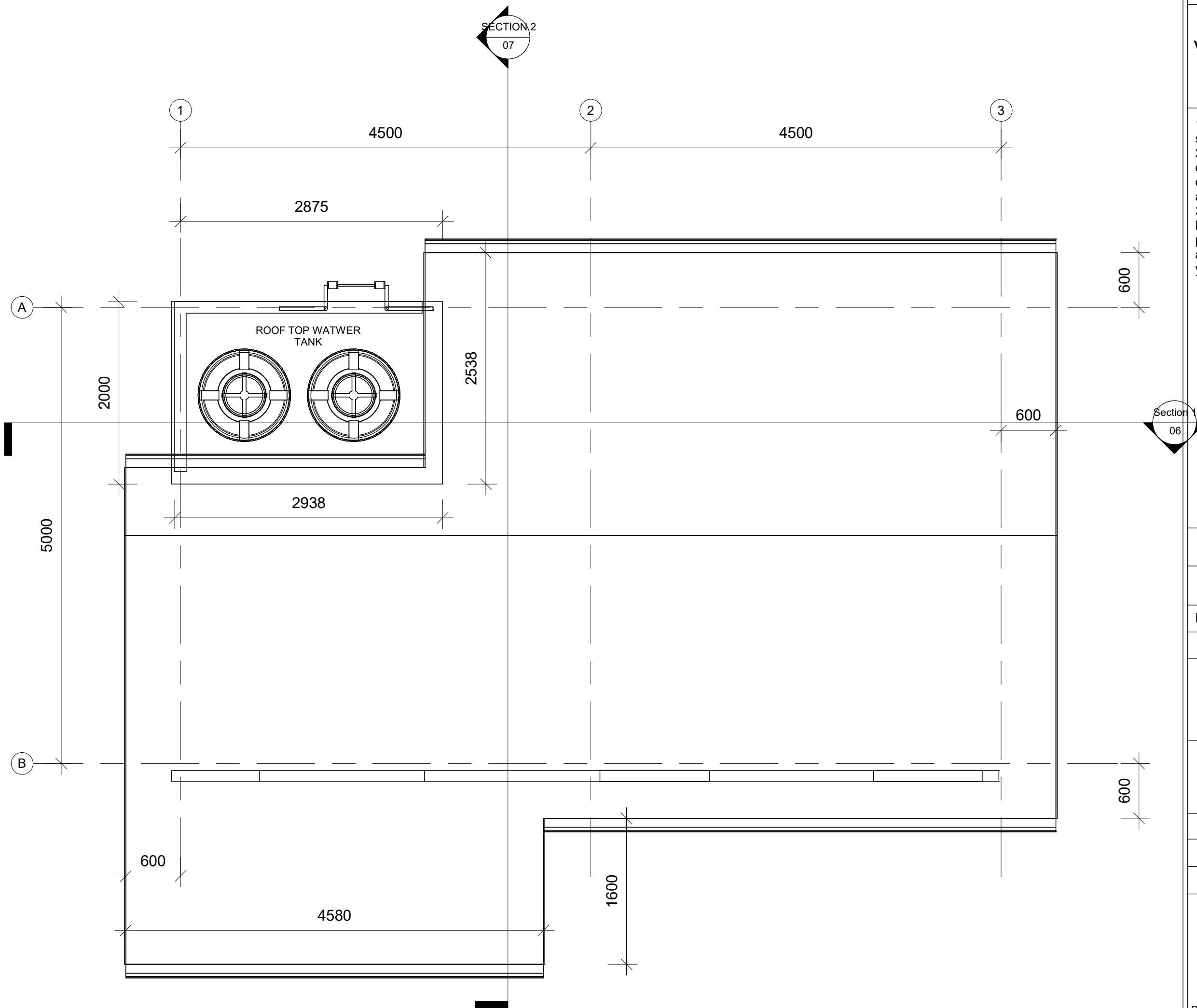
DRAWING NO :

PROJECT REGN NO :

REVISION	1	2	3	4	5
DATE: 10 FEB 2022	SHEET NO				
SCALE: 1 : 40	03				

ZORINSANGA
B.ARCH
REGN.NO. CA/2017/85672

GEORGE LALZUIA
ARCHITECT
REG.NO.CA-88/11810



PROJECT					
CONSTRUCTION OF VILLAGE KNOWLEDGE CENTRE IN MIZORAM					
<div>1. All dimensions are in mm unless specified otherwise.</div> <div>2. Though Drawings are made to Scale, due to photo copying and digital printing, dimensions are better to be read only, and not measured.</div> <div>3. Standard Symbols/Legends ans Material Sections are used as far as possible. Column & Beam Sizes are assumed since Structural Drawing is not yet prepared.</div>					
DRAWING : PRELIMINARY DRAWING					
SHEET : ROOF PLAN					
DRAWING NO :					
PROJECT REGN NO :					
REVISION	1	2	3	4	5
DATE: 10 FEB 2022		SHEET NO			
SCALE: 1 : 40		05			
ZORINSANGA B.ARCH REGN.NO. CA/2017/85672		GEORGE LALZUIA ARCHITECT REG.NO.CA-88/11810			

PROJECT

CONSTRUCTION OF VILLAGE KNOWLEDGE CENTRE IN MIZORAM

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DRAWING : PRELIMINARY DRAWING

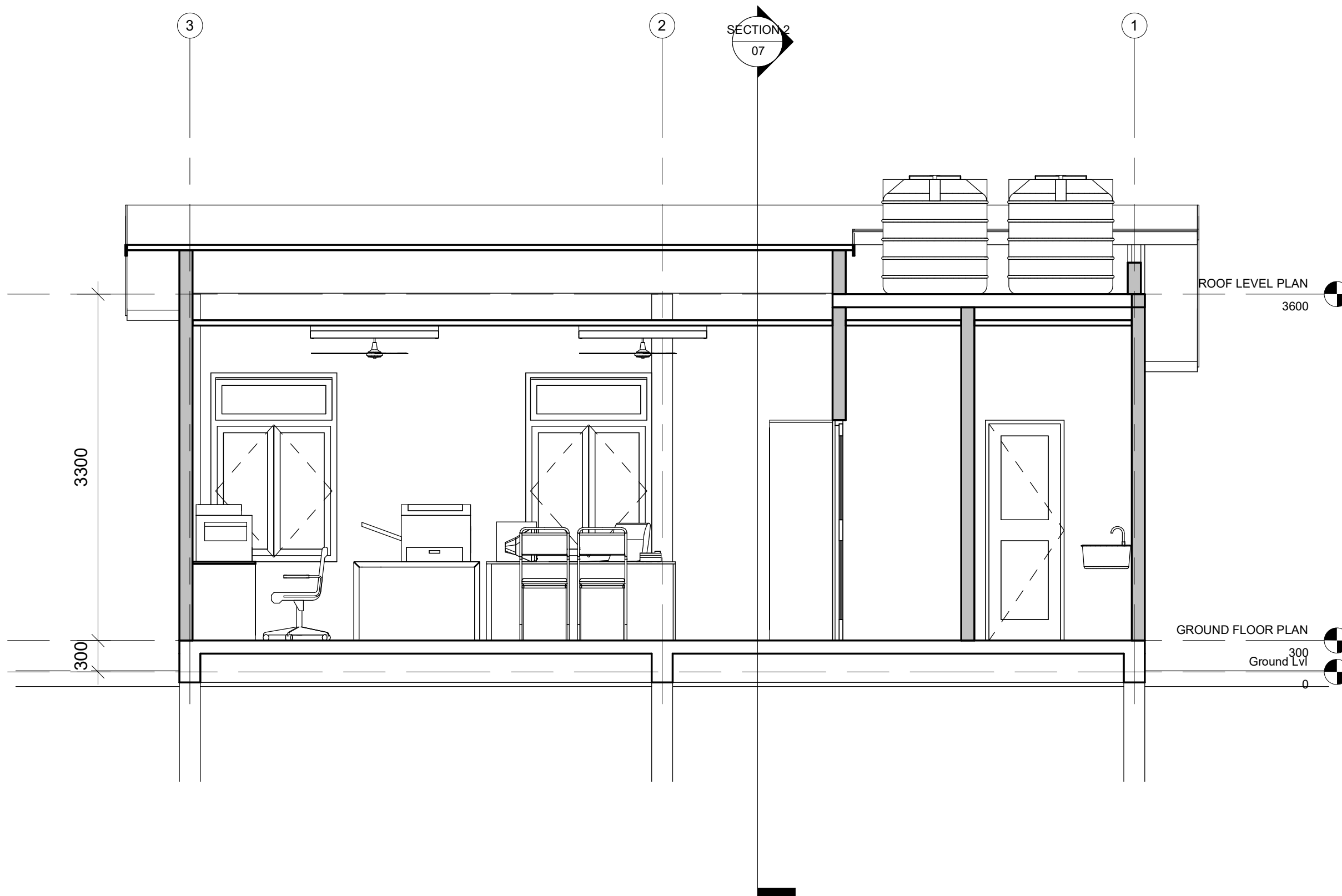
SHEET : SECTION 1

DRAWING NO :

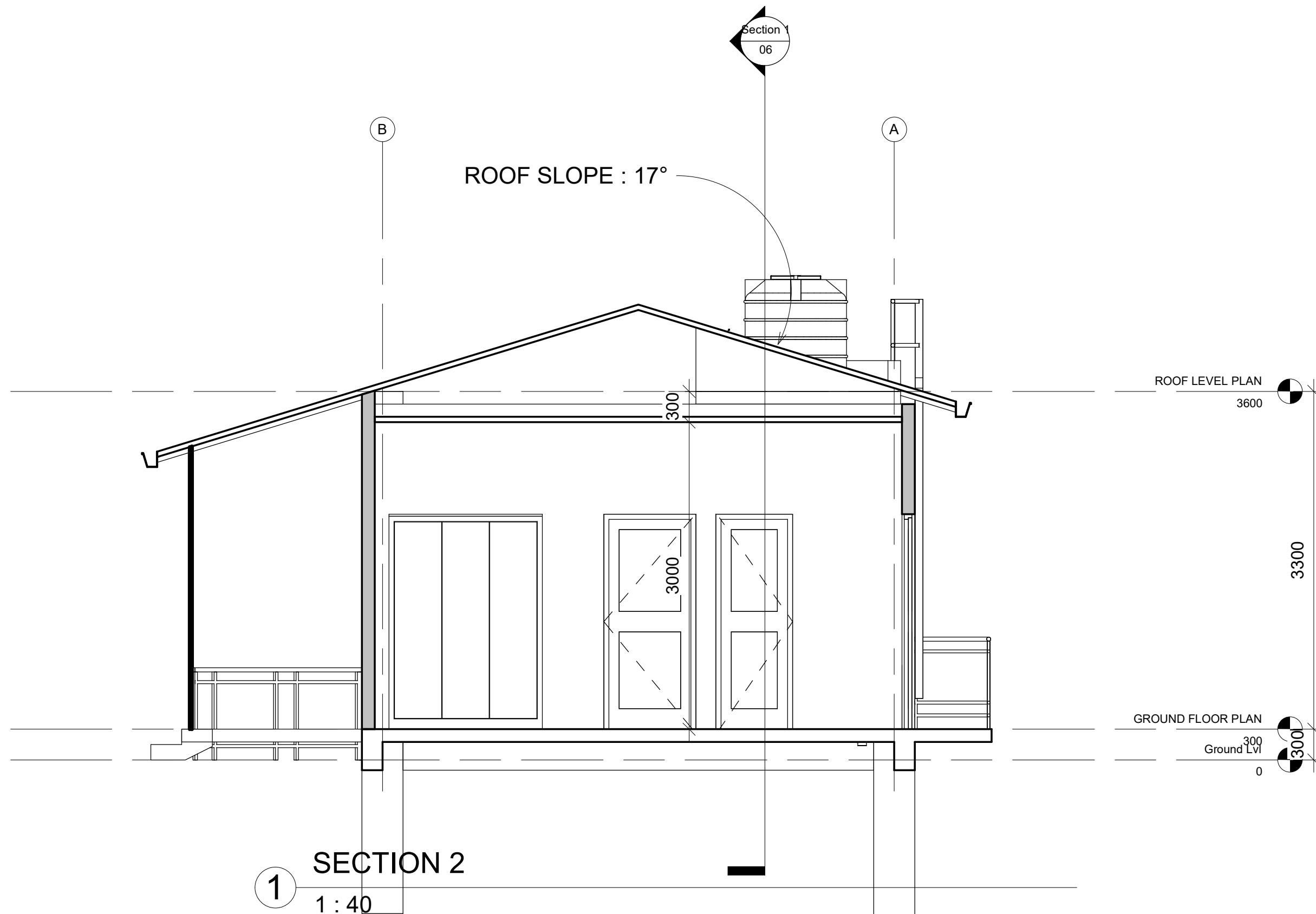
PROJECT REGN NO :

REVISION	1	2	3	4	5
DATE: 10 FEB 2022	SHEET NO 06				
SCALE: 1 : 40					

ZORINSANGA B.ARCH REGN.NO. CA/2017/85672	GEORGE LALZUIA ARCHITECT REG.NO.CA-88/11810
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1 Section 1
1 : 40



PROJECT					
CONSTRUCTION OF VILLAGE KNOWLEDGE CENTRE IN MIZORAM					
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DRAWING : PRELIMINARY DRAWING					
SHEET : SECTION AT 2					
DRAWING NO :					
PROJECT REGN NO :					
REVISION	1	2	3	4	5
DATE: 10 FEB 2022		SHEET NO			
SCALE: 1 : 40		07			
ZORINSANGA B.ARCH REGN.NO. CA/2017/85672		GEORGE LALZUIA ARCHITECT REG.NO.CA-88/11810			

PROJECT

CONSTRUCTION OF VILLAGE KNOWLEDGE CENTRE IN MIZORAM

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DRAWING : PRELIMINARY DRAWING

SHEET : 3D VIEWS

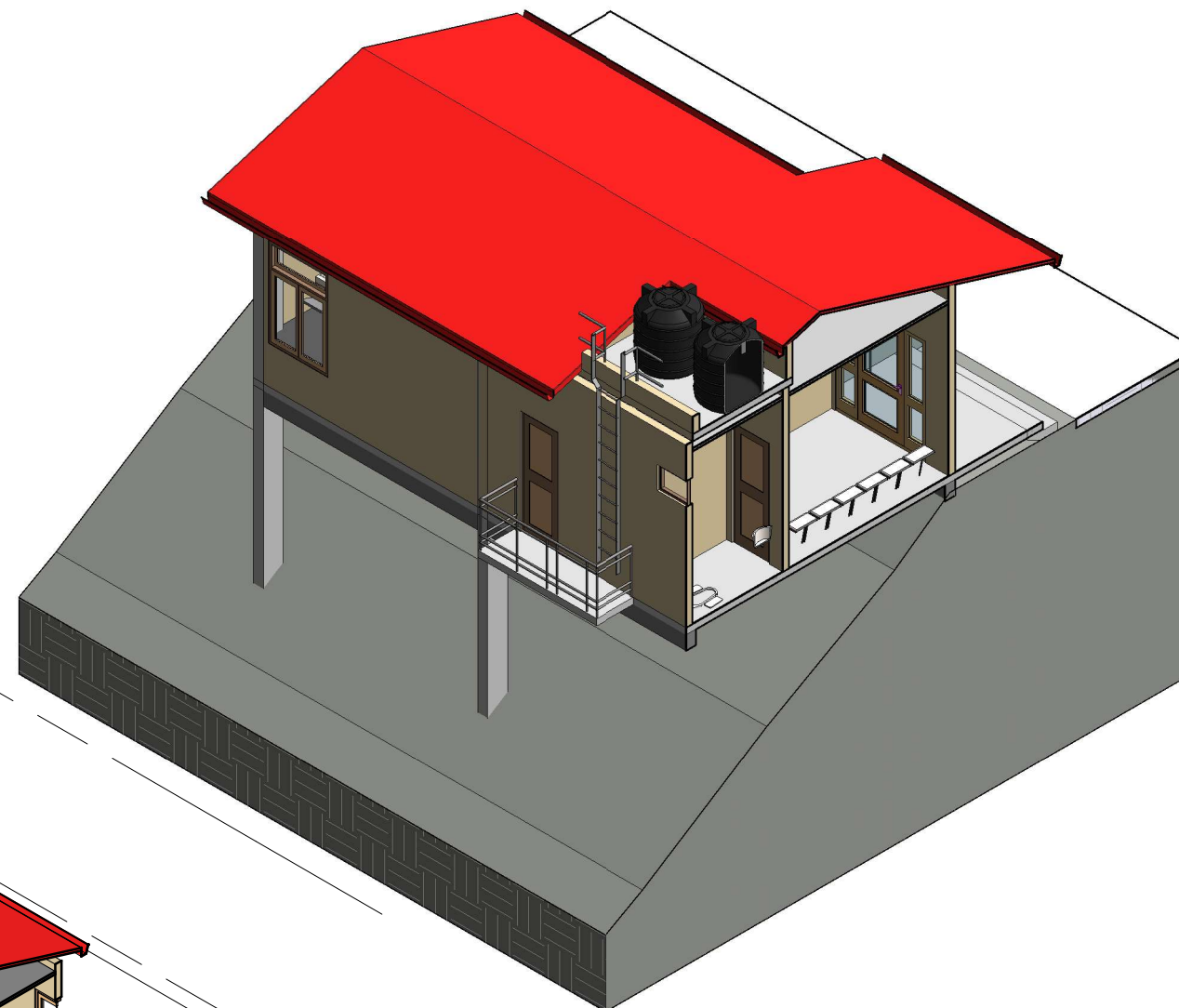
DRAWING NO :

PROJECT REGN NO :

REVISION	1	2	3	4	5
DATE: 10 FEB 2022	SHEET NO				
SCALE:	08				

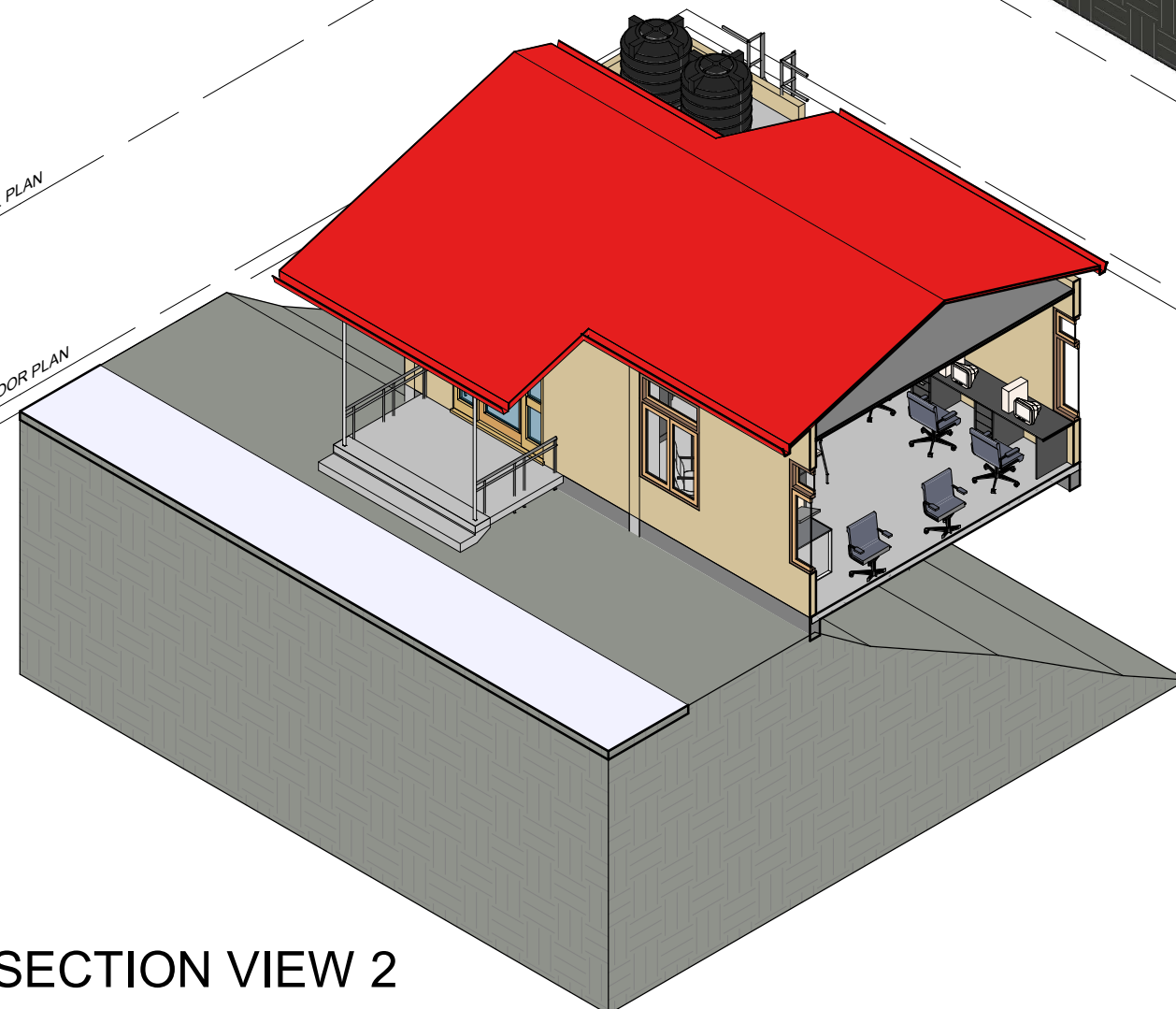
ZORINSANGA
B.ARCH
REGN.NO. CA/2017/85672

GEORGE LALZUIA
ARCHITECT
REG.NO.CA-88/11810



SECTION VIEW

1

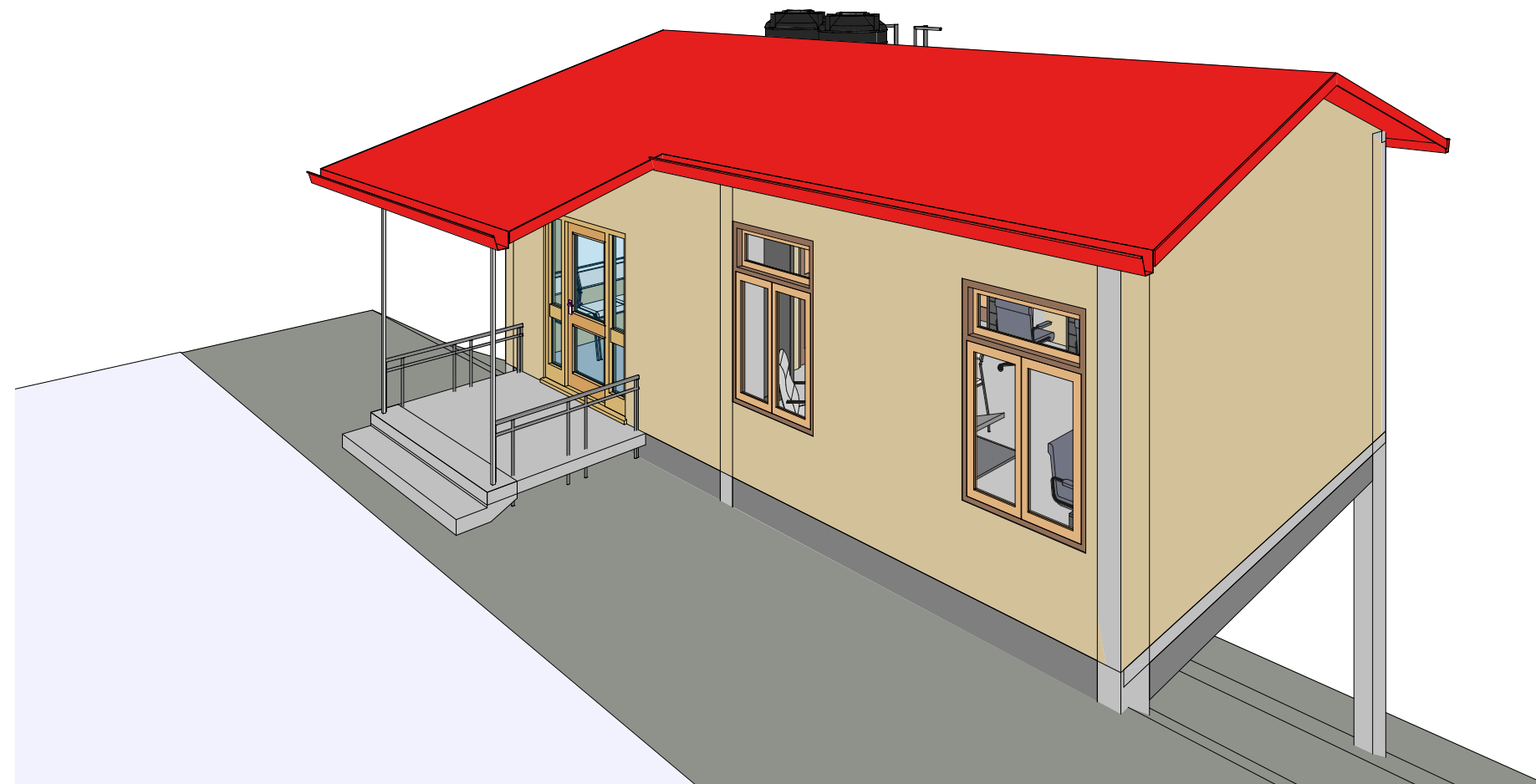


SECTION VIEW 2

2

ROOF LEVEL PLAN
3600

GROUND FLOOR PLAN
Ground Lvl
300
0



1 3D View 2

PROJECT

CONSTRUCTION OF VILLAGE KNOWLEDGE CENTRE IN MIZORAM

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DRAWING : PRELIMINARY DRAWING

SHEET : PERSPECTIVE VIEW

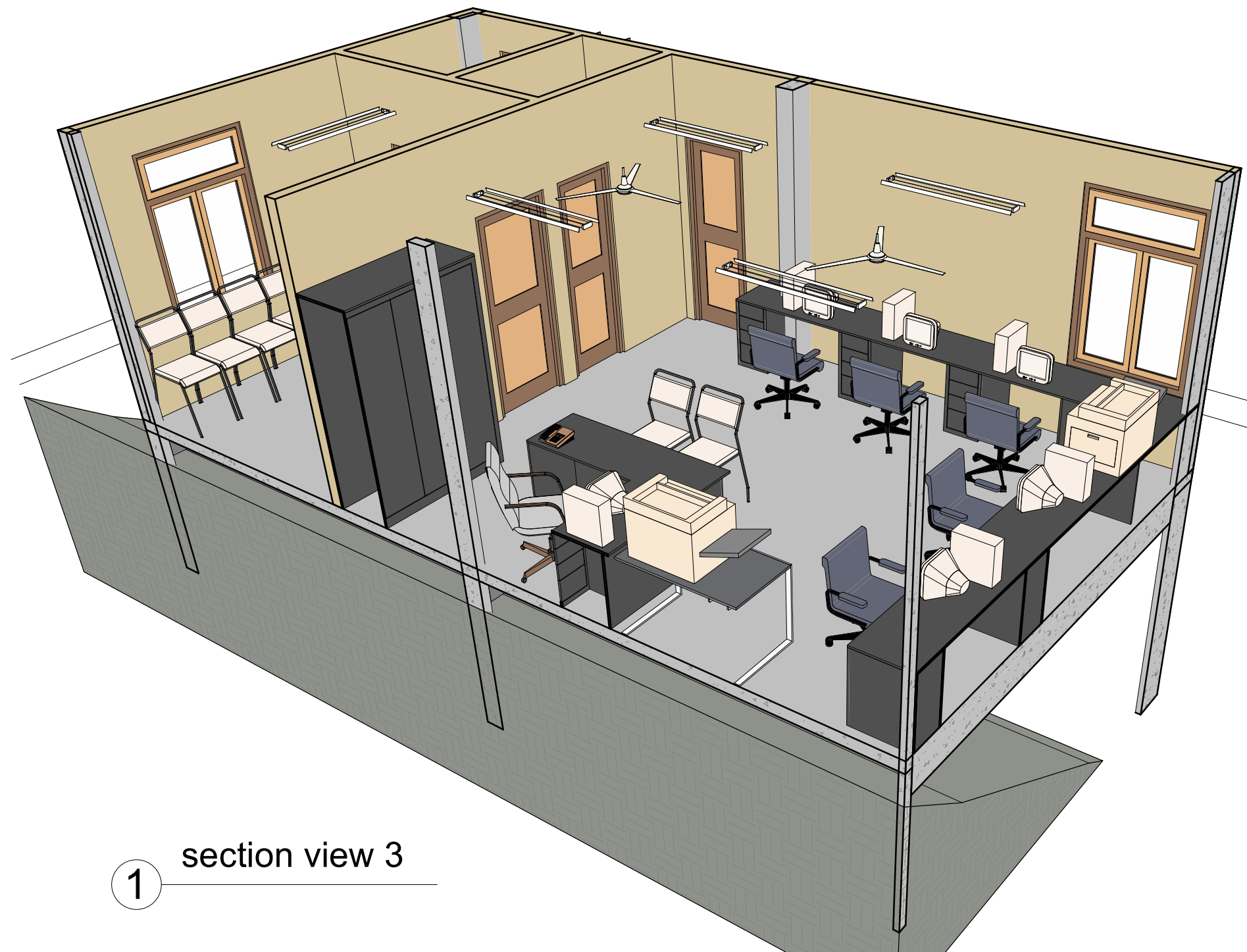
DRAWING NO :

PROJECT REGN NO :

REVISION	1	2	3	4	5
DATE: 10 FEB 2022	SHEET NO 09				
SCALE:					

ZORINSANGA
B.ARCH
REGN.NO. CA/2017/85672

GEORGE LALZUIA
ARCHITECT
REG.NO.CA-88/11810



1 section view 3

PROJECT

CONSTRUCTION OF VILLAGE KNOWLEDGE CENTRE IN MIZORAM

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DRAWING : PRELIMINARY DRAWING

SHEET : SECTIONAL VIEW 3

DRAWING NO :

PROJECT REGN NO :

REVISION	1	2	3	4	5
DATE: 10 FEB 2022	SHEET NO				
SCALE:	10				

ZORINSANGA B.ARCH REGN.NO. CA/2017/85672	GEORGE LALZUIA ARCHITECT REG.NO.CA-88/11810
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ANNEXURE-X: BILL OF QUANTITY (BOQ)

1. ABSTRACT BILL OF QUANTITY (BOQ) FOR VILLAGE KNOWLEDGE CENTRE IN MIZORAM

Sub Head	Description	Amount
1	Site Development & Earth work	
2	PCC	
3	RCC	
4	Brick Work	
5	Wood Work	
6	D&W Fittings	
7	Plastering	
8	Painting	
9	Aluminium Works	
10	Ceiling	
11	Flooring	
12	steel work	
13	Roofing	

	Total	Rs
Add 4% for Internal Water Supply & Sanitary Installation		Rs
Add 12.5% for Internal Electrification		Rs
Add 5%(of internal) for External Service Connections		Rs
RCC Water Tank (Underground Sump) @ Rs 25 per litre (2000 litre)		Rs
	Total	Rs
Add 6% GST		Rs
Add 7.22% cost Index for _____ District		Rs
	G Total	Rs
Add for furniture (Lumpsum)		Rs
Add for Equipment (Lumpsum)		Rs
Add 2% for Consultancy fee for Survey, Preparation of DPR & Technical Support		Rs
Add 1% for Working Architechtrual plans and drawing with cost estimation		Rs
Add 1% for Working Structural Design and drawing with cost estimation		Rs
Add 1% Labor Cess		Rs
Add 3% for Contingencies		Rs
Add 2% for IEC & Monitoring		Rs
Add 1% for Quality Assurance		Rs
	G TOTAL=	Rs
	Say=	Rs

(Rupees)

2. DETAILED BOQ FOR CONSTRUCTION OF VILLAGE KNOWLEDGE CENTRE IN MIZORAM (BASED ON MIZORAM PWD S.O.R 2019)

Sub Head 1 : Earthwork

- 1.1 2.07 Earthwork in excavation in foundation trenches or drains etc. (not exceeding 1.5m in width or 10sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5m including getting out excavated soil and disposal of surplus excavated soil as directed within a lead of 50 metres.

(b) Hard Soil (pick work)

Foundations

Type-1	6	1.50	1.50	1.80	24.30	cum
Total					24.30	cum

- 1.2 2.17 Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.

Foundations

Type-1	6	1.5	1.5	1.6	21.60	cum
S. Total =					21.60	cum

Deduct (Col. Upto G.L.)

Sqr. Columns

Type-1

n	6					
b		0.20				m
d		0.40				m
h		1.30				m
b*d*h*n					0.62	cum
S.Total=					0.62	cum
Total					20.98	cum

Sub Head 1 Total	
-------------------------	--

Sub Head 2 : PCC

- 2.1 4.03 Providing and laying in position cement concrete of specified grade excluding cost of centering and shuttering - All work upto plinth level:
(a) 1:3:6 (1 cement : 3 coarse sand : 6 stone aggregate 20mm nominal size)

Foundations

Type-1	6	1.50	1.50	0.20	2.70	cum
Total					2.70	cum

Sub Head 2 Total	
-------------------------	--

Sub Head 3 : RCC

- 3.1 5.28 Providing and laying in position machine batched and machine mixed design mix M-20 grade reinforced cement concrete for reinforcement cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering shuttering, finishing and reinforcement, including admixture in recommended proportion as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge "(Note:- cement content considered in this item is @ 330 kg/cum. "Excess/less cement used as per design mix is payable/recoverable separately)

a) All work upto plinth level.

Foundations

Rectangular portions

Type-1	6	1.5	1.50	0.30	4.05	cum
--------	---	-----	------	------	------	-----

Trapezoidal portions

Type-1

n	6
---	---

h	0.6
---	-----

A1	1.40	1.40	1.96
----	------	------	------

A2	0.75	0.75	0.56
----	------	------	------

0.5(A1+A2)*h*n	4.54	cum
----------------	------	-----

S.Total=	8.59	cum
-----------------	-------------	------------

Columns upto plinth level

Sqr. Columns

Type-1

n	6
---	---

b	0.20	m
---	------	---

d	0.40	m
---	------	---

h	1.75	m
---	------	---

b*d*h*n	0.84	cum
---------	------	-----

S.Total=	0.84	cum
-----------------	-------------	------------

Level 1 Beam (TB)

TB	1	9.00	0.25	0.30	0.68	cum
----	---	------	------	------	------	-----

Total	10.11	cum
--------------	--------------	------------

b) All work above plinth level upto floor V level.

Columns above plinth level

Sqr. Columns

Type-1

n	6
---	---

b	0.20	m
---	------	---

d	0.40	m
---	------	---

h	3.30	m
---	------	---

b*d*h*n	1.58	cum
---------	------	-----

S.Total=	1.58	cum
-----------------	-------------	------------

Total	1.58	cum
--------------	-------------	------------

Ground Floor Beam

B1	2	9.00	0.25	0.40	1.80	cum
----	---	------	------	------	------	-----

B2	3	5.00	0.25	0.40	1.50	cum
----	---	------	------	------	------	-----

Roof Beam

B1	2	9.00	0.25	0.40	1.80	cum
----	---	------	------	------	------	-----

B2	3	5.00	0.25	0.40	1.50	cum
----	---	------	------	------	------	-----

Total	6.60	cum
--------------	-------------	------------

Slab

Ground floor slab	1	Area =	45.00	0.12	5.40	cum
-------------------	---	--------	-------	------	------	-----

Roof slab	1	Area =	5.80	0.12	0.70	cum
-----------	---	--------	------	------	------	-----

Total	6.10	cum
--------------	-------------	------------

G.Total	12.70	cum
----------------	--------------	------------

3.2 5.18 Steel reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete.

c) Cold Twisted bars

Foundations

@	100.0	kg/cu	8.59	859.00	kg
	0	m			

Columns

@	310.0	kg/cu	2.42	750.20	kg
	0	m			

Beams

@	270.0	kg/cu	7.28	1965.60	kg
	0	m			

Slabs

@	100.0	kg/cu	6.10	610.00	kg
	0	m			

Total Rebar =	4184.80	kg
----------------------	----------------	-----------

3.3 5.10 Centering and shuttering including strutting, propping etc. And removal of form for:

a) Foundations, footings, bases of columns etc. for mass concrete.

Foundations

$A=n*(2L+2B)*t$	n	L	B	t	Area	
Type-1	6	1.5	1.5	0.20	7.20	sqm
Total					7.20	sqm

c) Columns, pillars, piers, abutments, posts and struts.

Columns

Rec. Column

$A=n*L*(2b+2d)$	n	b	d	L		
Type-1	6	0.20	0.40	5.05	36.36	sqm
Total					36.36	sqm

d) Lintels, beams, plinth beams, girders, bressumers and cantilevers, etc.

Beams

$A=n*L*(b+2d)$	n	L	b	d	Area	
<i>Level 1 beam</i>						
TB	1	9	0.25	0.3	7.65	sqm
<i>Ground Floor Beam</i>						
B1	2	9.00	0.25	0.40	18.90	sqm
B2	3	5.00	0.25	0.40	15.75	sqm
<i>Roof Beam</i>						
B1	2	9.00	0.25	0.40	18.90	sqm
B2	3	5.00	0.25	0.40	15.75	sqm
Total					76.95	sqm

(e)Suspended floors, roofs, landings, shelves and their support, balconies and chajaj,etc.

Ground floor slab	1	Area=	45.00		45.00	
Roof slab	1	Area=	5.80		5.80	
Total					50.80	sqm

Sub Head 3 Total	
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Sub Head 4 : Brick Works

4.1 6.06 Half brick masonry with first class brick in superstructure above plinth level upto floor V level.

a) in cement mortar 1:3 (1 cement : 3 fine sand)

Ground Floor	4	4.50		3.00	54.00	sqm
	3	5.00		3.00	45.00	sqm
	1	2.70		3.00	8.10	sqm
	1	3.54		3.00	10.62	sqm
	1	1.80		3.00	5.40	sqm
S Total					123.12	sqm

Deduction

D	1	1.50		2.00	3.00	sqm
D1	1	0.90		2.00	1.80	sqm
D2	3	0.75		2.00	4.50	sqm
W	4	1.20		1.75	8.40	sqm
V	2	0.60		0.45	0.54	sqm
S Total					18.24	sqm
Total					104.88	sqm

Sub Head 4 Total	
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Sub Head 5 : Wood Works

5.1 9.05 Providing 1st class teak wood dressed in frames of chaukhats for doors, windows, clerestory windows fixed in position.

Chaukhats

Doors

D	2	2.00	0.10	0.10	0.04	cum
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		1	1.50	0.10	0.10	0.02	cum
D1		2	2.00	0.10	0.10	0.04	cum
		1	0.90	0.10	0.10	0.01	cum
D2		6	2.00	0.10	0.10	0.12	cum
		3	0.75	0.10	0.10	0.02	cum
				Total		0.25	cum

- 5.2 9.11 Providing and fixing 1st class local wood panelled shutters for doors etc. including M.S. butt hinges with necessary screws, etc. complete.

a)40 mm thick.

D	1	1.50	2.00	3.00	sqm
D1	1	0.90	2.00	1.80	sqm
D2	3	0.75	2.00	4.50	sqm
			Total	9.30	sqm

- 5.3 9.49 Providing and fixing wooden pelmet with 25mm dia wooden curtain rod and bracket including wooden plugs etc. complete (to be fixed on masonry or concrete work)

(B)1st class local wood

i) 12mm thick 100mm wide pelmet.

Doors

$L=(W + (0.2*2))*n$

	n	W			
D	1	1.50		1.90	rm
D1	1	0.90		1.30	rm
D2	3	0.75		3.45	rm

Windows

W	4	1.20		6.40	rm
V	2	0.60		2.00	rm
			Total	15.05	rm

Sub Head 5 Total	
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Sub Head 6 : D&W Fittings

- 6.1 14.28 Providing and fixing brass sliding door bolts (aldrops) bright finished with nuts and screws etc. complete.

a) 300 x 16 mm

D1	1	1	1.00	no
D2	1	1	1.00	no
D3	3	1	3.00	no
			Total	5.00 no

- 6.2 14.29 Providing and fixing Brass Tower Bolts (Socket Bolts) bright finished with necessary screws etc. complete.

a) 300 mm

Doors

D1	1	4.00	4.00	no
D2	1	4.00	4.00	no
D3	3	4.00	12.00	no
			Total	20.00 no

- 6.3 14.32 Providing and fixing brass handles with necessary screws, etc. complete

a) 150 mm

Doors

D1	1	4.00	4.00	no
D2	1	4.00	4.00	no
D3	3	4.00	12.00	no
			Total	20.00 no

- 6.4 9.54 Providing and fixing dressed & chamfered 1st class teak wood door and window architrave of size fixed with wooden plu on door chaukat etc. complete.

b) 75x30mm

$L=n*(mb+4h)$

	n	b	m	h	L	
D1	1	1.50	2	2.00	11.00	m
D2	1	0.90	2	2.00	9.80	m
D3	3	0.75	2	2.00	28.50	m
Total					49.30	m

- 6.5 14.01 Providing 40 x 5mm flat iron hold fast 40 cm long including fixing to frame with 10mm dia. bolts, nuts and wooden plugs and embedding in cement concrete block 30 x 10 x 15cm 1:3:6 mix (1 cement : 3 sand : 6 well graded stone aggregate 20 mm nominal size)

D1	1	6	6	no
D2	1	6	6	no
D3	3	6	18	no
Total			30	no

- 6.6 14.36 Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.

2	2.00	4.00	no
Total		4.00	no

Sub Head 6 Total	
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Sub Head 7 : Plastering

- 7.1 20.15 20mm cement plaster 1 : 3 (1 cement : 3 fine sand)
Wall (both sides) 2*Qty Sl. 4.10 Total
No.

Total	209.76	sqm
Total	209.76	sqm

- 7.2 20.11 15mm cement plaster 1 : 3 (1 cement : 3 fine sand) finished with a floating coat of neat cement.

Wall (one side)	Qty same as Sl. No.	4.10	
Total		104.88	sqm
Column			
Qty vide Column Shuttering Areas		36.36	sqm
Total		141.24	sqm

- 7.3 20.25 6mm cement plaster to ceiling 1 : 3 (1 cement : 3 fine sand)

Qty vide Beam shuttering Areas	76.95	sqm
Qty vide Slab shuttering Areas	50.80	sqm
Total	127.75	sqm

Sub Head 7 Total	
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Sub Head 8 : Painting

- 8.1 20.50 Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface.

Qty vide 15mm plaster area	209.76	sqm
Qty vide 6mm plaster area	127.75	sqm
Total	209.76	sqm

- 8.2 20.67 Distemping with 1st quality acrylic washable distemper of approved brand and manufacture and of required shade and colour to give an even shade on new work (two or more coats).

Qty vide Distemper Primer area	209.76	sqm
Total	209.76	sqm

8.3	20.68	Finishing walls with water proofing cement paint of approved brand and manufacture and of required shade on new work (three or more coats) to give an even shade. Qty vide 20mm plaster area			209.76	sqm
			Total		209.76	sqm
8.4	20.49	Applying priming coat with ready mixed primer of approved brand and manufacture on wood work and plywood complete. b) Ready mix pink primer. Qty vide Panel Door area			9.30	sqm
			Total		9.30	sqm
8.5	20.72	Painting with synthetic enamel paint of approved brand and manufacture in all shades on new work (two or more coats). b) High gloss Qty vide Wood Primer Areas			9.30	sqm
			Total		9.30	sqm
8.6	20.76	Varnishing with varnish of approved brand and manufacture on new work (two or more coats) of glue sizing over an under coat of flattening varnish. Qty vide Architrave Areas	0.1	49.30	4.93	sqm
			Total		4.93	sqm

Sub Head 8 Total	
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Sub Head 9 : Aluminium Works

9.1	11.01	Providing and fixing anodised aluminium work for doors, windows, ventilators and partitions with extruded built up standard sections/ other sections of approved make conforming to IS : 733 and IS : 1285 fixing with dash fasteners of required dia and size, including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/ neoprene gaskets etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, aluminium snap beading for glazing /panelling, CP brass /stainless steel screws all complete including fixing of glasses but excluding cost of glasses. (a) 2 - track sliding windows/ventilators. (All aluminium section should be atleast 1.6mm thick)				
		W	4	1.20	1.75	8.40 sqm
		V	2	0.60	0.45	0.54 sqm
				S	8.94	sqm
				Total		
				@	1.300	kg/sqm
				Total	11.62	kg
9.2	11.02	Supplying of glass panes at site. b) 5mm thick plate sheet glass.				
		W	4	1.20	1.75	8.40 sqm
		V	2	0.60	0.45	0.54 sqm
				Total	8.94	sqm

Sub Head 9 Total	
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Sub Head 10 : Ceiling

10.1	15.17	Providing and fixing recessed ceiling with 12.5mm tapered Gypboard which includes providing and fixing G.I perimeter funnels with nylon sleeves and screws intermediate channels fixed to GI seat and steel expansion fastener etc. all complete including rounding, filling and finishing the tapered and square of the board with jointing compound and two coats of primer suitable to Gypboard.				
		CL1	1	9.00	5.0	45 sqm
				Total	45.00	sqm

Sub Head 10 Total	
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Sub Head 11 : Flooring

11.1	12.11	Providing & laying vitrified floor tiles in different sizes (thickness to be specified by the manufacture) with water absorption less than 0.08% and conforming to IS:15622, of approved make, in all colours				
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and shades, laid on bed of 20mm thick cement mortar 1 : 4 (1cement:4course sand), including the joints with white cement and matching pigments etc.complete.as per design collours.

a) Full body polish vitrified (General)

Ground floor	1	Area =	45.00	45.00	sqm
			Total	45.00	sqm

- 11.2 12.19 Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to e specified by the manufacaturer),of approved make, in all colours, shades wxcept burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12mm thick bed of cemunt mortar 1:3 (1cemeny :3 coarse sand) and jointing with cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade Toilet walls

Ground floor	2	1.80	1.50	3.00	sqm
	2	1.50	1.50	3.00	sqm
			Total	6.00	
deduct	1	0.75	1.50	1.13	
			Total	4.87	sqm

Sub Head 11 Total	
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Sub Head 12 : Steel Works

- 12.1 10.19 Steel work welded in built up sections/framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.

b) In a grating, frames, guard bar, ladders, railings, brackets, gates & similar works.

Railing (other than Stairs)

<i>Sqr. Tube 40x40</i>	1	11	1.00	11.00	m
			Total	11.00	m
	5.31	kg/m		58.41	kg
<i>Sqr. Tube 25x25</i>	3.5	7	1.00	24.50	m
	1.7	7	1.00	11.90	m
			Total	36.40	m
	2.94	kg/m		107.02	kg
			GTotal	165.43	kg

- 12.2 10.08 Providing and fixing M.S tubular section in built up section of truss welded in position including cutting, hoisting, fixing in position and applying priming coat with approved steel primer etc. complete.

Truss 1

<i>ISNB 50</i>	5	11.90		59.50	m
			Total	59.50	m
	@	5.03	kg/m	299.29	kg
<i>ISNB 40</i>	5	6.00		30.00	m
			Total	30.00	m
	@	3.56	kg/m	106.80	kg
<i>ISNB 32</i>	8	10.00		80.00	m
			Total	80.00	m
	@	3.10	kg/m	248.00	kg
<i>Sqr. Tube 40x40x4</i>	12	3.20		38.40	m
			Total	38.40	m
	@	4.20	kg/m	161.28	kg
			GTotal	815.37	kg

Sub Head 12 Total	
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Sub Head 13 : Roofing

- 13.1 16.11 Providing Trapezoidal Polyester Coated Galvanised Steel Sheets Roofing of any colour of 1.06m width at all levels including fitting and fixing ridging with self drilling , self tapping screws, EPDM washers etc. complete excluding the cost of purlin, rafter and trusses.
(ii) for 0.50 mm thick

R1	2	6.30	3.20	40.32	sqm
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R2	1	3.50	4.30	15.05	sqm
	1	3.50	0.90	3.15	sqm
Total				58.52	sqm

RIDGES, GUTTERS & VALLEYS

- 13.2 16.12 Providing and fixing of Polyester Coated Galvanised Steel Sheets of any colour ridges, gutters or valleys 50cm overall width 0.50mm thick with 150 mm overlapping fixed with Self Drilling & Tapping Screws with EPDM washer but excluding the cost of base frame.
(ii) for 0.40 mm thick

Gutter	2	9.00	18.00	m
Total				18.00 m

Sub Head 13 Total	
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Total	Rs	
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