



**BIDDING DOCUMENT**

**FOR**

**THE PROCUREMENT**

**OF**

**Workforce for Restoration of Houses under Afno Ghar Project at Melamchi Municipality  
and Helambu Rural Municipality in Sindhupalchowk  
(Package 1 to 8)**

**Sealed Quotation (SQ) No.: AG/SQ/ 03/2024**

**Issued by**

---

**Afno Ghar Project/ Helvetas Nepal**

Shera, Sindhupalchowk, Nepal

Email: [NPL.Afnoghar@helvetas.org](mailto:NPL.Afnoghar@helvetas.org)

Tel: +977 - 976599921

Authorized signature: \_\_\_\_\_

A handwritten signature in blue ink, appearing to be "S. P. Sharma", written over a horizontal line.

Date of issue: 03 May 2024



## Abbreviations

BDS ..... Bid Data Sheet  
BD ..... Bidding Document  
EQC ..... Evaluation and Qualification Criteria  
GCC ..... General Conditions of Contract  
IFB ..... Invitation for Bids  
ITB ..... Instructions to Bidders  
SBD ..... Standard Bidding Document  
SCC ..... Special Conditions of Contract  
SoR ..... Schedule of Requirements  
TS ..... Technical Specifications  
VAT ..... Value Added Tax

*e*



## STANDARD BID DOCUMENT

### Table of Contents

	Page No.
1. INVITATION FOR SEALED QUOTATION	2
2. INSTRUCTIONS TO BIDDERS (ITB)	4
3. BID DATA SHEET (BDS)	8
4. CODE OF CONDUCT FOR CONTRACTED PARTIES	10
5. EVALUATION AND QUALIFICATION CRITERIA (EQC)	14
6. BID FORM AND PRICE SCHEDULE	15
7. SCHEDULE OF REQUIREMENTS (SOR)	25
8. SPECIFICATIONS & QUALITY ASSURANCE	26
9. GENERAL CONDITIONS OF CONTRACT (GCC)	28
10. SPECIAL CONDITIONS OF CONTRACT (SCC)	34
11. SAMPLE FORMS AND FORMATS	35
12. ANNEX 1: WORKFORCE DELIVERY SCHEDULE ALONG WITH HOUSEHOLD DETAILS	39
ANNEX 2: BILL OF QUANTITIES FOR EACH TYPE OF HOUSE	40
ANNEX 3: WORK SCHEDULE	41
ANNEX 4: CONSTRUCTION TOOLS REQUIREMENT	42
ANNEX 5: RESTORATION DRAWINGS	43



## 1. INVITATION FOR SEALED QUOTATION



### INVITATION FOR SEALED QUOTATION

Date of first publication: 03 May 2024

1. **Restoration of REAP Supported Houses (Afno Ghar Project)/ Helvetas Nepal** invites **Sealed Quotation** from the interested and competent local contractors for the supply of workforce for restoration of houses at Melamchi Municipality and Helambu Rural Municipality. Bidders are free to bid for any number of following packages. However, a maximum of one package will be awarded to the successful bidder. The bidders who have been awarded contracts under SQ No. AG/SQ/ 02/2024 are not eligible to participate.

S.N.	Description of Works	Estimated Cost (Excluding VAT 13%) (NPR)	Bid Security Amount (NPR)
Package – 1	Workforce for Restoration of houses at Ward 6 of Melamchi Municipality at Sindhupalchowk district	1,407,965	40,000.00
Package – 2	Workforce for Restoration of houses at Ward 7 of Melamchi Municipality at Sindhupalchowk district	1,768,142	50,000.00
Package – 3	Workforce for Restoration of houses at Ward 11 of Melamchi Municipality at Sindhupalchowk district	1,659,292	47,000.00
Package – 4	Workforce for Restoration of houses at Ward 2 of Helambu Rural Municipality at Sindhupalchowk district	1,720,354	49,000.00
Package – 5	Workforce for Restoration of houses at Ward 2 of Helambu Rural Municipality at Sindhupalchowk district	1,760,177	50,000.00
Package – 6	Workforce for Restoration of houses at Ward 3 of Helambu Rural Municipality at Sindhupalchowk district	1,223,009	35,000.00
Package – 7	Workforce for Restoration of houses at Ward 7 of Helambu Rural Municipality at Sindhupalchowk district	1,425,664	41,000.00
Package – 8	Workforce for Restoration of houses at Ward 7 of Helambu Rural Municipality at Sindhupalchowk district	1,606,195	46,000.00

2. The eligible bidders may obtain a bid document and further information about the requirements and clarity on the bid document from the office address, phone number or email mentioned below in section 5. We will respond to such a query during office hours (9AM to 5PM).
3. The bidders can download bidding document from Helvetas Nepal's website: <https://notice.helvetasnepal.org/>

## STANDARD BID DOCUMENT

4. Pre bid meeting shall be held at **13:00 hours, 07 May 2024** at the address mentioned below in section 5. Interested potential bidders can contact at the details mentioned below in section 5 before **12:00 hours on 07 May 2024** to participate in the meeting.
5. Sealed bids must be submitted to the office address as follows:  
**Afno Ghar Project/Helvetas Nepal**  
Shera, Sindhupalchowk, Nepal  
Email: [NPL.Afnoghar@helvetas.org](mailto:NPL.Afnoghar@helvetas.org)  
Tel: +977 - 976599921
6. The last date for submission of sealed bid is **10 May 2024** at the latest by **12 noon**.
7. The bids will be opened on **10 May 2024, at 13:00 Hours** in the presence of Bidder's representatives who choose to attend.
8. The purchaser reserves the right to accept or reject any bid partially or fully without assigning any reasons whatsoever.



## 2. INSTRUCTIONS TO BIDDERS (ITB)

<b>1. Scope of Procurement</b>	1.1 The Purchaser stated in the Bid Data Sheet (BDS) for the procurement of workforce as detailed in attached specifications and the bill of quantities provided herein. The name of Purchaser, name of project and contract identification number of Contracts are provided in the Bid Data Sheet (BDS).
<b>2. Eligible bidder</b>	2.1 This Invitation for Bid is open to all registered local contractors. 2.2 Eligible and competent bidder must submit the following documents along with the bid. - documents as specified in EQC (5.1)
<b>3. One bid per bidder</b>	3.1 Each bidder shall submit only one bid in one package, A bidder who submits more than one bid in one package shall cause all the bids with the bidder's participation to be disqualified.
<b>4. Site Visit</b>	4.1 The bidder at his own cost, responsibility and risk may visit the site of the supply and delivery to acquire all necessary information for preparing the bid and entering a contract for the procurement of workforce.
<b>5. Content of Bid</b>	5.1 The bid document comprise the documents listed below: Section I: Invitation for Bids (IFB) Section II: Instructions to Bidders (ITB) Section III: Bid Data Sheet (BDS) Section IV: Code of Conduct for Contracted Parties Section V: Evaluation and qualification criteria (EQC) Section VI: Bid Forms and Price Schedule Section VII: Schedule of Requirements (SOR) Section VIII: Specification and quality assurance Section IX: General Conditions of Contract (GCC) Section XI: Special Conditions of Contract Section XII: Contract Form and formats Section XIII: Annexes
<b>6. Clarification</b>	6.1 A Prospective bidder may request clarification on the bidding documents in writing and the purchaser shall respond to such request. Clarification will be provided by purchaser 3 days before the last date of bid submission. 6.2 The purchaser may organize a pre-bid meeting of bidders before bid opening at the place, date and time as specified in the BDS to provide information relating to Bidding Documents and technical specifications. Interested bidder should obtain the bid document before pre-bid meeting.
<b>7. Amendment of Bidding Document</b>	7.1 At any time prior to the deadline for submission of the Bids, the Purchaser may amend the Bid Document by issuing addenda. 7.2 Any addendum issued shall be part of the Bidding Document and shall be communicated in writing to all who have obtained the Bidding Document directly from the Purchaser. Such Addendum notice shall also be published in the notice board of the office.
<b>8. Cost of bidding:</b>	8.1 The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the Purchaser shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
<b>9. Language of Bids:</b>	9.1 All correspondence and documents relating to the Bids shall be written in English or in Nepali language.

STANDARD BID DOCUMENT

	9.2 The Contract shall be written in the English language. The English version of the Contract shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties may be written in Nepali and/or English language.
<b>10. Alternative Bids</b>	10.1 Alternative bids shall not be considered.
<b>11. Bidding price:</b>	11.1 All duties, taxes/transportation/loading/offloading/insurance, and other levies payable by the bidder under the contract shall be included in the rates, prices and total Bid Price submitted by the bidder. 11.2 Price quoted by the bidder shall remain fixed and valid until completion of the Contract Performance and will not be subject to variation in any account. 11.3 Bids and quoted rates shall remain valid for the period specified in the Bid Data Sheet. A bid valid for a shorter period shall be rejected by the purchaser as nonresponsive. 11.4 If the purchaser determines the quoted rates of Bill of Quantity items by supplier are deviated unevenly leads to rejection of such bids as a nonresponsive.
<b>12. Unbalanced or Front/back-loaded bid</b>	12.1 If the purchaser found the item rates of the substantially lowest evaluated bid is seriously unbalanced; may require the bidder to produce detailed price analysis for all items listed in price schedule of the bid document to demonstrate the price consistency of those rates with the authorized sources of the same. 12.2 After the verification and assurance of the information and details of price analysis presented by the bidder, purchaser may accept or reject the bid.
<b>13. Currencies of Bid</b>	13.1 All prices shall be quoted in Nepalese Rupees.
<b>14. Bid validity</b>	14.1 1. Bid shall remain valid for a period specified in the BDS.
<b>15. Bid Security</b>	15.1 The bidder shall furnish as part of the bid, in original form, a bid security as specified in BDS. 15.2 Bid security should be in a form of bank guarantee issued by "A" class commercial bank in favour of purchaser, which is convertible into cash in Nepal without any condition (unconditional) as specified in BDS. 15.3 The bid security shall be returned upon request to the unsuccessful bidder as soon as possible after formal contract signing. 15.4 The Bid security shall be forfeited if the successful Bidder fails to: <ul style="list-style-type: none"> <li>- furnish a performance security,</li> <li>- sign the contract in accordance within the period stipulated in letter of award notification,</li> <li>- accept the correction of arithmetical errors,</li> <li>- provide the clarification of its bid by the date and time set in the purchaser's request for clarification.</li> </ul>
<b>16. Preparation of bid and submission</b>	16.1 The compiled and completed bid shall be signed and put bidder's stamp on every page. 16.2 The sealed envelope as per ITB 16.1 must reach within the deadline to purchaser's address specified in the BDS complying method of submission in the BDS. The envelope shall be addressed to the Purchaser as specified in the BDS and shall bear the name and identification number of the sealed bid.

**STANDARD BID DOCUMENT**

	<p>16.3 If the bidder does not quote the rate in the price schedule of each item, the bid will be disqualified.</p> <p>16.4 If unit rate in figures and words are not mentioned clearly in price schedule, it may lead to rejection and disqualification of the bid.</p> <p>16.5 The bidder shall not be allowed to use correcting fluid/tipex or other erasing materials; neither the bidder shall be allowed to overwrite the quoted rates. It may result to rejection of the bid document. In case of mistakes in rates, the bidder is to simply cross the rates and shall re-write the rates and shall bear the initials of authorized signatories and company/firm's stamp.</p>
<p><b>17. Deadline for Submission of Bids:</b></p>	<p>17.1 Bidding documents shall be sent to the Purchaser at the address no later than the time and date specified in the Bid Data Sheet (BDS).</p> <p>17.2 The Purchaser shall not consider any Bid that arrives after the deadline for submission of Bids. Any Bid received by the Purchaser after the deadline for submission of Bids shall be declared late, rejected, and returned unopened to the bidder.</p> <p>17.3 Bidding documents once submitted, shall not be withdrawn or modified.</p> <p>17.4 If the last date of purchasing, submission, and opening falls on a Helvetas Nepal holiday then the next working day shall be considered the last day.</p>
<p><b>18. Bid Opening:</b></p>	<p>18.1 The Purchaser shall open the bids in the presence of the bidders' representatives who choose to attend at the time and in the place as specified in the Bid Data Sheet (BDS).</p> <p>18.2 The Purchaser shall prepare minutes of the opening including the information disclosed to those present.</p>
<p><b>19. Process to be Confidential:</b></p>	<p>19.1 Information relating to the evaluation and comparison of Bids and recommendations for the award of a contract shall not be disclosed to bidders or any other persons not officially concerned with such process until the award to the successful bidder has been announced.</p> <p>19.2 Any efforts by the bidder to influence the Purchaser in the Bid evaluation, comparison or contract award decisions may result in rejection of bidder's Bids.</p>
<p><b>20. Evaluation criteria:</b></p>	<p>20.1 The purchaser shall evaluate the bid in accordance with set criteria as specified in the evaluation and qualification criteria (EQC).</p>
<p><b>21. Evaluation and Comparison of bids:</b></p>	<p>21.1 In evaluating the bids, the Purchaser shall determine for each bid the evaluated bid price by adjusting any corrections for errors. Bids shall be checked by the Purchaser for any arithmetic errors. Errors shall be corrected by the Purchaser as follows:</p> <p>21.2 If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected.</p> <p>21.3 If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail, and the total shall be corrected.</p> <p>21.4 If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail.</p>





STANDARD BID DOCUMENT

	21.5 If the purchaser determines the quoted rates of price schedule items by supplier are deviated unevenly leads to rejection of such bids
<b>22. Notification of Award and contract signing</b>	<p>22.1 The purchaser shall award the contract to the bid as per the bid data sheet. The Purchaser shall have right to negotiate the amount quoted by the bidder.</p> <p>22.2 The successful bidder shall deliver the performance security as specified in SCC.</p> <p>22.3 If the successful bidder fails to deliver the Performance Security and sign the contract within specified time, the purchaser holds right to award the contract to next lowest evaluated substantially responsive bid or decide as per purchaser's convenience.</p> <p>22.4 Each Bidder shall only get one package. If the bidder wins more than one package, they shall have right to choose the package of their preference.</p>
<b>23. Performance Security</b>	<p>23.1 Within the deadline of the receipt of a Letter of Acceptance from the purchaser, the successful bidder shall furnish the performance security in the form of Bank Guarantee from "A" class commercial bank acceptable to the purchaser.</p> <p>23.2 The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete its obligations under the Contract.</p> <p>23.3 The amount of performance security will be according to BDS.</p>
<b>24. Workforce/ Service Delivery</b>	<p>24.1 The bidders should supply the required workforce in place and complete the restoration works in time as per clause 6.1 of the bid document under Schedule of Requirement (SoR).</p> <p>24.2 All the delivered materials (tools and formworks) and completed restoration works must comply with the quality and specification mentioned in the specification section of this bid document. The supplier must ensure the proper packing and safeguarding from damage of goods during supply.</p>
<b>25. Payment</b>	<p>25.1 Payment will be made upon acceptance of the completed restoration works by Authorized Engineer of the Purchaser along with the valid tax invoice and successful completion evidence.</p> <p>25.2 Payment can be made in full or partial as per convenience of purchaser.</p>
<b>26. Format and signing of bids</b>	<p>26.1 The Bid shall be written in indelible ink and shall be signed by an authorized person. Any entries or amendments including alterations, additions or corrections made shall be initiated by the same authorized person.</p> <p>26.2 The price schedule must be submitted on the form issued by the purchaser. The price schedule filled on other papers will not be accepted and will result in disqualification of the bid. Any other submitted price schedule is to be considered only for reference.</p>
<b>27. Joint Venture</b>	27.1 Joint venture (JV) bids shall not be considered.
<b>28. Purchaser's Right to Accept or Reject</b>	28.1 The Purchaser reserves the right to accept or reject any Bid or to cancel the bidding process and reject all Bids, at any time prior to the award of the contract, without assigning any reasons whatsoever and without thereby incurring any liability to the affected bidder or bidders.
<b>29. Confusing Specification</b>	29.1 If the parameters of the specification are confused, manufacturer's certificate (origin of certificate) will prevail.
<b>30. National product</b>	30.1 We encourage/promote national products if equally qualified with the international product.

## STANDARD BID DOCUMENT

<b>31. Corrupt of Fraudulent practices</b>	31.1 The purchaser shall reject the bid for award if it determines that the Bidder recommended for award of contract has engaged in corrupt or fraudulent practices in competing for the contract in question.
<b>32. Additional order</b>	32.1 The purchaser may place additional order as per the provision of Bid data sheet.

### 3. BID DATA SHEET (BDS)

ITB 1	<p>The scope of bid is to supply and delivery of <b>Workforce for Restoration of Houses under Afno Ghar Project at Helambu Rural Municipality and Melamchi Municipality in Sindhupalchowk (Package 1 to 8)</b></p> <p>The number of the Invitation for Sealed bid is <b>AG/SQ/03/2024</b></p> <p>The Purchaser: <b>Afno Ghar Project/ Helvetas Nepal</b></p>																		
ITB 6	<p>The pre-bid meeting shall be conducted in the following:</p> <p>Date : <b>07 May 2024</b></p> <p>Time : <b>13 Hrs</b></p> <p>Place : Afno Ghar project/ Helvetas Nepal Shera, Sindhupalchowk</p>																		
ITB 14	<p>Bids and quoted rate shall be valid at least <b>60 days</b> from the date of bid submission.</p> <p><i>It can be extended for further period if both parties are agreed.</i></p>																		
ITB 15	<p>Beneficiary name for bid security: <b>Afno Ghar Project/ Helvetas Nepal</b></p> <p>Bid security should be in a form of bank guarantee issued by "A" class commercial bank in favour of "<b>Restoration of REAP Supported Houses (Afno Ghar Project)/Helvetas Nepal</b>", which is convertible into cash in Nepal without any condition (unconditional). The bid security amount should be based on the table below and its validity should be at least <b>60 days</b> from the last date of bid submission.</p> <table border="1" data-bbox="478 1288 1165 1590"> <thead> <tr> <th>Packages</th> <th>Bid Security</th> </tr> </thead> <tbody> <tr> <td>Package – 1</td> <td>40,000.00</td> </tr> <tr> <td>Package – 2</td> <td>50,000.00</td> </tr> <tr> <td>Package – 3</td> <td>47,000.00</td> </tr> <tr> <td>Package – 4</td> <td>49,000.00</td> </tr> <tr> <td>Package – 5</td> <td>50,000.00</td> </tr> <tr> <td>Package – 6</td> <td>35,000.00</td> </tr> <tr> <td>Package – 7</td> <td>41,000.00</td> </tr> <tr> <td>Package – 8</td> <td>46,000.00</td> </tr> </tbody> </table>	Packages	Bid Security	Package – 1	40,000.00	Package – 2	50,000.00	Package – 3	47,000.00	Package – 4	49,000.00	Package – 5	50,000.00	Package – 6	35,000.00	Package – 7	41,000.00	Package – 8	46,000.00
Packages	Bid Security																		
Package – 1	40,000.00																		
Package – 2	50,000.00																		
Package – 3	47,000.00																		
Package – 4	49,000.00																		
Package – 5	50,000.00																		
Package – 6	35,000.00																		
Package – 7	41,000.00																		
Package – 8	46,000.00																		
ITB 16/ 17	<p><b>The deadline for sealed bid submission is:</b></p> <p>Address: Afno Ghar Project/ Helvetas Nepal, Shera -4, Helambu, Sindhupalchowk</p> <p>Date: <b>10 May 2024</b></p> <p>Time: <b>Before 12:00 Hours</b></p> <p><b>Method of bid submission:</b> The bidder must submit the sealed bid in the following method: Method: <b>Hard copy submission (only sealed hard copy envelope is accepted)</b></p>																		
ITB 18	The bid opening schedule:																		

**STANDARD BID DOCUMENT**

	<p>Address: Afno Ghar project/ Helvetas Nepal Shera, Sindhupalchowk</p> <p>Date: <b>10 May 2024</b></p> <p>Time: <b>13:00 Hours</b></p> <p>The Purchaser shall open the bids at the scheduled date, time and place. Bidders or their representatives are encouraged to participate in the bid opening event.</p>
ITB 23	<p><b>The performance security: 5 %</b> of total contract price with minimum validity of <b>120 days</b> from the award notice.</p>
ITB 32	<p><b>Additional order:</b> Additional order can be placed within the price validity period under this contract agreement if required.</p>



---

## 4. CODE OF CONDUCT FOR CONTRACTED PARTIES

---

### 1. Scope of this Code of Conduct

HELVETAS Swiss Intercooperation (hereinafter HELVETAS) is a civil society organization for development and humanitarian response. We strive to empower people, so they can determine the course of their lives in dignity and security, using environmental resources in a sustainable manner. Our work is guided by the following values<sup>1</sup>:

- Our engagement is based on solidarity and partnership.
- We work towards achieving human rights and upholding the principle of self-determined development.
- We are committed to social equity and strive for equal opportunities for men and women regardless of age, origin, language, religion, culture, mental and physical capacity, sexual orientation, or political convictions.
- Our collaboration with our partners is based on mutual respect for cultural values and principles.
- We stand for development that balances economic viability, environmental appropriateness, and social benefits.

The organisational values are the basis for the attitude, behaviour and high standards that HELVETAS requests to be respected and adhered to by its employees.

Further, we expect that all individuals and institutions with whom HELVETAS engages, respect these values and act in accordance with them, as well as with national and international laws. This applies both to professional contexts and to private matters that have an influence on the professional domain.

This Code of Conduct outlines the attitude and the behaviour that HELVETAS expects from consultants, services providers of goods and services, implementation partners, system partners and assisted organisations – in the following called **contracted parties** – that are responsible for implementing projects, project components and/or recipients of contributions, etc. in Switzerland as well as abroad.

This Code of Conduct is binding, and an integral part of all contractual agreements made between HELVETAS and its contracted parties. In signing their contract, contracted parties take on the commitment to observe the Code of Conduct, to ensure adherence by their personnel and their subcontractors, and to behave accordingly. Any action violating the Code of Conduct may entail an enquiry and the imposition of measures relating to non-compliance with contractual obligations, or of other measures.

Contracted parties are expected to ensure that their employees and any person working for them adhere to this Code of Conduct by putting in place adequate policies and regulations and through sensitisation, supervision and training of concerned persons.



---

<sup>1</sup> Organisational Strategy HELVETAS Swiss intercooperation

2. The Components of the Code of Conduct

<p><b>Loyalty and confidentiality and civic duty</b></p>	<p>The actions of contracted parties in the frame of the collaboration with HELVETAS must be consistent with the goals, the values and principles of HELVETAS as expressed in its mission statement and organisational strategy. Contracted parties are expected to regularly reflect upon own actions and behaviour and those of subcontractors. Contracted parties, their employees and subcontractors commit to abide by the national laws, as citizen or resident of a specific country or as a short-term visitor.</p>
<p><b>Use of competences, means and assets</b></p>	<p>Contracted parties, their employees and subcontractors contribute with their competences and capacities to the objectives of the collaboration. They commit to make use of available means and assets effectively and efficiently, according to legal stipulations, internal regulations, contractual agreements and in conformity with project goals.</p>
<p><b>Culturally sensitive behaviour</b></p>	<p>Contracted parties, their employees and subcontractors are aware that even as private persons, they are subject to public interest. They must consider this in behaviour and statements. Contracted parties, their employees and subcontractors must respect local norms and conventions in contacts with authorities, partners and local people. They must respect the customs and culture of the country of cooperation in appearance and manner of dress, behaviour and communication. They must respect the customs and culture of the country, avoiding indecent or offensive behaviour, insulting or accusing statements, or spreading rumours.</p>
<p><b>Inter-personal relations and professional conduct</b></p>	<p>Contracted parties, their employees and subcontractors must have respectful, fair and equitable relations with all persons irrespective of their age, origin, language, religion, culture, social position, physical ability or sexual orientation. They are aware of their privileged and often powerful status vis-à-vis other actors and must refrain from abusing any hierarchical, material, or social position in any way. They never request any service or favour from primary stakeholders or other persons of concern in return for support or protection. They never engage in any exploitative relationships – sexual, emotional, financial or employment-related – with primary stakeholders or other persons of concern. They must refrain from any form of disrespectful social interaction and abstain from anything that could be interpreted as degrading or putting others down.</p>
<p><b>Protection of children and youth</b></p>	<p>Contracted parties, their employees and subcontractors commit to protect the rights and integrity of children and youth and must refrain from all forms of abuse towards them in accordance with the universal Convention on the Rights of the Child.<sup>2</sup></p>
<p><b>Mobbing and sexual harassment</b></p>	<p>Contracted parties, their employees and subcontractors abstain from mobbing<sup>3</sup>, sexual or sexist harassment<sup>4</sup> of colleagues, partners or any other person.</p>

<sup>2</sup> <https://www.ohchr.org/en/professionalinterest/pages/crc.aspx>

<sup>3</sup> **Mobbing** means to pick on, pester or exclude a person or a group systematically at work in verbal or non-verbal attacks which affect the physical or mental health as well as the self-esteem of the person(s) concerned

<sup>4</sup> **Sexual or sexist harassment** is an action with sexual reference or undertones unwelcome to the person addressed. Sexual or sexist harassment can be expressed in the following ways: suggestive remarks; remarks about physical advantages or weaknesses or about sexual orientation; sexist talk and jokes in any form of verbal, written or non-verbal communication;

STANDARD BID DOCUMENT

<b>Conflict of Interest and duty of disclosure</b>	Contracted parties, their employees and subcontractors are aware that professional interests can conflict with organisational or personal interests. Therefore, they must make own interests transparent and avoid any behaviour which could be perceived as biased in favour own interests.
<b>Fraud and corruption and accepting gifts or other benefits</b>	Contracted parties, their employees and subcontractors are must be honest in all professional activities, avoiding and countering any kind of corruption. They abstain from abusing financial, material and intellectual assets to which they have access in relation with the HELVETAS mandate for personal gains or for third parties. They do not accept gifts, invitations or other favours that may afford them or third parties an unfair material or immaterial advantage, or that may compromise their integrity, freedom of action, or impartial judgement. Contracted parties must inform HELVETAS if confronted with corrupt practices or unethical promises by collaborators, partners organization, consultants, officials or others. The applicable reporting mechanisms are specified in chapter 3 of this Code of Conduct.
<b>Safety, Security &amp; Health</b>	Contracted parties undertake to safeguard the personal safety, health and integrity of their employees and refrain from putting others in a dangerous situation. Contracted parties, their employees and subcontractors must respect the physical and mental integrity of their colleagues and others.
<b>Environmental and Social Safeguarding</b>	Contracted parties, their employees and subcontractors are expected to wherever possible support a precautionary approach to environmental matters and undertake efforts to safeguard natural resources. Contracted parties must promote good governance principles, namely participation, inclusion, integrity, effectiveness, transparency, rule of law, and accountability. Contracted parties, their employees and subcontractors must ensure that their professional actions and their motivations are understood and transparent.
<b>Public appearances and use of non-public information</b>	Contracted parties handle all information received in relation with the contract with the necessary discretion, never using it to the detriment of HELVETAS or beneficiaries including after termination of the contract. Persons working for contracted parties should not provide aforesaid information to the media, policy makers and donors or the public, without an explicit assignment to do so. In public communication they must provide explicit reference to the sources of the information/experiences. They must refrain from making accusations, provocative statements or spreading rumours. They give due consideration to their cooperation with HELVETAS and to its interests in their communications, particularly via the internet or social media

**3. Reporting mechanism of a violation of the Code of Conduct and Whistleblowing**

Any person working for a contracted party of HELVETAS who feels under pressure to act in a way that runs counter to this Code of Conduct, or who witnesses violations of the same, must inform either the management of the contracted party and/or HELVETAS. The contracted party is obliged to share the reported cases and action taken with HELVETAS.

sharing suggestive material over email or social media; ambiguous invitations; making bodily advances; making advances together with promises or threats of advantages or disadvantages at work.

**STANDARD BID DOCUMENT**

The whistleblowing policy (e.g. whistle-blower protection) of HELVETAS applies to all employees worldwide and to persons working for contracted parties. All concerns will be treated confidentially, and every effort will be made not to reveal the identity of the whistleblower. The policy is publicly available on HELVETAS' website and the specified contacts are accessible for anyone.

**4. Consequences of a violation of this Code of Conduct**

In case of breach of this Code of Conduct by contracted parties, their employees and subcontractors, HELVETAS expects them to sanction misbehaving persons similar to HELVETAS' measures. These sanctions range from requesting apologies, written warnings to dismissal of guilty persons. In serious cases or if no appropriate sanctions are taken, HELVETAS reserves the right to end the collaboration, ask for compensation of financial losses or to pursue legal action.

**5. Final Remarks**

HELVETAS encourages its contracted parties to create their institutional codes of conducts and related policies and regulations, including internal reporting procedures that enable their employees and subcontractors, as well as third parties, to promote professional, respectful, inclusive and secure working conditions; and safely report instances of wrongdoing to the management or to an independent body.

HELVETAS is committed to mutual transparency and learning on any aspect of this Code of Conduct. HELVETAS is therefore available for consultation in cases of doubt or questions relating to the Code of Conduct.

This Code of Conduct is issued in French, English and Spanish. In case of any doubts, the English version prevails.

Read and agreed

Name of the contracted party: .....

Name of signatory of contracted party:.....

Place and date .....

Signature:



**5. EVALUATION AND QUALIFICATION CRITERIA (EQC)**

**5.1 The required form and documents shall be part of the bid document.**

The bidders who have been awarded contracts under SQ No. AG/SQ/ 02/2024 are not eligible to participate.

SN	Particulars	Requirements
1	a. Copy of firm/company registration certificate b. Copy of registration document at the local level mentioned at the proposed restoration package	Mandatory Mandatory
2	Copy of VAT registration certificates	Mandatory
3	Copy of tax clearance certificate for the fiscal year <b>2079/080</b>	Mandatory
4	Original copy of bid security	Mandatory
5	Has been properly signed by the authorized person as per ITB 16.1 and GCC 31	Mandatory
6	Completed price schedule as per 6.3. (If the bidder does not quote the rate in the price schedule of each item, the bid will be disqualified)	Mandatory
7	Use of correction fluid/overwrite. (if yes, authorized signature and stamp is needed)	Yes/No
8	Must have a minimum of 25 number of skilled workforce and 50 number of unskilled workforces.	Mandatory
9	Must have completed a minimum of two projects (private houses, schools, hospital, or any other infrastructure)	Mandatory

Note: The validation of clause mentioned in SN 8 shall be done by confirming the certification of skilled workforce regarding housing or relevant construction from a recognized institution. If certification is not available, the supplier must provide a letter/document confirming engagement of skilled/unskilled workforce for minimum of one year in construction related works such as rebar concrete works, placing of formworks, drilling related works etc. The validation of clause mentioned in SN 9 shall be done by confirming the experience letter submitted by the bidder.





---

**6. BID FORM AND PRICE SCHEDULE**

---

**6.1 LETTER OF BID**

**To: Afno Ghar Project/ Helvetas Nepal**

We, the undersigned, declare that:

- a) We have examined and have no reservations to the Bidding Documents.
- b) We offer to execute in conformity with the Bidding Documents the following Works:
- c) The total price of our Bid, excluding any discounts offered in item (d) below is: .....
- d) The discounts offered in this bid is :..... (discount offer other than in this section will not be accepted. Such a discount offer should be mentioned either percentage or in figure clearly).
- e) Our bid shall be valid for a period of **60 days** from the date fixed for the bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
- f) If our bid is accepted, we commit to obtain performance security in accordance with the Bidding Document.
- g) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed.
- h) We declare that we have not been blacklisted and no conflict of interest in the proposed procurement proceedings and we have not been punished for an offense relating to the concerned profession or business.**
- i) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive; and
- j) If awarded the contract, the person named below shall act as contractor's representative.
- k) If awarded the contract, contractor respect and comply the purchaser's code of conduct unless violating the prevailing rules of Government of Nepal.
- l) We agree to permit the Purchaser or its representative to inspect our accounts and records and other documents relating to the bid submission and to have them audited by auditors appointed by the purchaser.

Authorized signature: \_\_\_\_\_

Name \_\_\_\_\_

In the capacity of \_\_\_\_\_

Company Name \_\_\_\_\_

Company Seal/stamp: \_\_\_\_\_

Date: \_\_\_\_\_



**STANDARD BID DOCUMENT**

**6.2 BIDDER'S INFORMATION FORM**

*[The bidder shall fill in the following Form. No alterations to its format shall be permitted and no substitutions shall be accepted.]*

1.	Bidder's Legal Name	
2	Bidder's Address:	
3	Bidder's Country of Registration:	Nepal
4.	Bidder's Year of Registration:	
5.	Bidder's Authorized Representative Information: Name: Address: Telephone/Fax numbers: Email Address:	
6	Bidder's Telephone/Fax numbers:	
7	Bidder's Email Address:	



**6.3 PRICE SCHEDULE:****Package: 1**

The table below shows the number of different types of houses in Package 1 at ward 6 of Melamchi Municipality. Bidders are requested to quote the rate for skilled/unskilled workforce along with the cost of their insurance, required formwork, construction tools and safety gears to restore houses mentioned in respective package. Bidders are requested to refer to Annex 1 and 2 for the reference.

SN	Description	Unit	Quantity	Rate in Fig.	Rate in Words (NRs.)	Amount
1	Type of House – Type 1A (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	6.00			
2	Type of House – Type 1B (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	2.00			
3	Type of House – Type 2A (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	6.00			
4	Type of House – Type 2B (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	5.00			
5	Type of House – Type 4 (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	4.00			
			<b>TOTAL (NRs.)</b>			
			<b>VAT @ 13%</b>			
			<b>GRAND TOTAL (NRs.)</b>			

Authorized signature: .....

Name: .....

Designation: .....

Company Seal/stamp: .....

Date: .....



STANDARD BID DOCUMENT

**Package: 2**

The table below shows the number of different types of houses in Package 2 at Ward 7 of Melamchi Municipality. Bidders are requested to quote the rate for skilled/unskilled workforce along with the cost of their insurance, required formwork, construction tools and safety gears to restore houses mentioned in respective package. Bidders are requested to refer to Annex 1 and 2 for the reference.

SN	Description	Unit	Quantity	Rate in Fig.	Rate in Words (NRs.)	Amount
1	Type of House – Type 1A (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	12.00			
2	Type of House – Type 1B (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	13.00			
3	Type of House – Type 2A (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	1.00			
4	Type of House – Type 2B (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	2.00			
			<b>TOTAL (NRs.)</b>			
			<b>VAT @ 13%</b>			
			<b>GRAND TOTAL (NRs.)</b>			

Authorized signature: .....  
 Name: .....  
 Designation: .....  
 Company Seal/stamp: .....  
 Date: .....

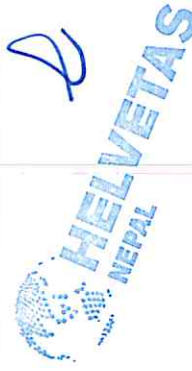


**Package: 3**

STANDARD BID DOCUMENT

The table below shows the number of different types of houses in Package 3 at ward 11 of Melamchi Municipality. Bidders are requested to quote the rate for skilled/unskilled workforce along with the cost of their insurance, required formwork, construction tools and safety gears to restore houses mentioned in respective package. Bidders are requested to refer to Annex 1 and 2 for the reference.

SN	Description	Unit	Quantity	Rate in Fig.	Rate in Words (NRs.)	Amount
1	Type of House – Type 1A (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	4.00			
2	Type of House – Type 1B (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	10.00			
3	Type of House – Type 2A (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	1.00			
4	Type of House – Type 2B (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	5.00			
5	Type of House – Type 4 (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	4.00			
				<b>TOTAL (NRs.)</b>		
				<b>VAT @ 13%</b>		
				<b>GRAND TOTAL (NRs.)</b>		



Authorized signature: .....  
 Name: .....  
 Designation: .....  
 Company Seal/stamp: .....  
 Date: .....

STANDARD BID DOCUMENT

**Package: 4**

The table below shows the number of different types of houses in Package 4 at ward 2 of Helambu Rural Municipality. Bidders are requested to quote the rate for skilled/unskilled workforce along with the cost of their insurance, required formwork, construction tools and safety gears to restore houses mentioned in respective package. Bidders are requested to refer to Annex 1 and 2 for the reference.

SN	Description	Unit	Quantity	Rate in Fig.	Rate in Words (NRs.)	Amount
1	Type of House – Type 1A (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	16.00			
2	Type of House – Type 1B (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	12.00			
				<b>TOTAL (NRs.)</b>		
				<b>VAT @ 13%</b>		
				<b>GRAND TOTAL (NRs.)</b>		

Authorized signature: .....  
 Name: .....  
 Designation: .....  
 Company Seal/stamp: .....  
 Date: .....



STANDARD BID DOCUMENT

**Package: 5**

The table below shows the number of different types of houses in Package 5 at ward 2 of Helambu Rural Municipality. Bidders are requested to quote the rate for skilled/unskilled workforce along with the cost of their insurance, required formwork, construction tools and safety gears to restore houses mentioned in respective package. Bidders are requested to refer to Annex 1 and 2 for the reference.

SN	Description	Unit	Quantity	Rate in Fig.	Rate in Words (NRs.)	Amount
1	Type of House – Type 1A (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	8.00			
2	Type of House – Type 1B (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	13.00			
3	Type of House – Type 2A (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	1.00			
4	Type of House – Type 2B (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	1.00			
5	Type of House – Type 4 (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	3.00			
				<b>TOTAL (NRs.)</b>		
				<b>VAT @ 13%</b>		
				<b>GRAND TOTAL (NRs.)</b>		

*(Handwritten mark)*



Authorized signature: .....  
 Name: .....  
 Designation: .....  
 Company Seal/stamp: .....  
 Date: .....

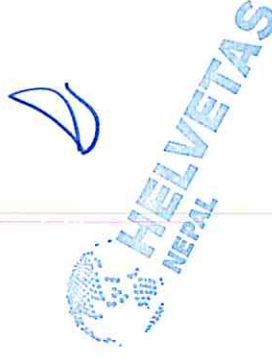
STANDARD BID DOCUMENT

**Package: 6**

The table below shows the number of different types of houses in Package 6 at ward 3 of Helambu Rural Municipality. Bidders are requested to quote the rate for skilled/unskilled workforce along with the cost of their insurance, required formwork, construction tools and safety gears to restore houses mentioned in respective package. Bidders are requested to refer to Annex 1 and 2 for the reference.

SN	Description	Unit	Quantity	Rate in Fig.	Rate in Words (NRs.)	Amount
1	Type of House – Type 1A (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	12.00			
2	Type of House – Type 1B (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	7.00			
3	Type of House – Type 4 (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	1.00			
				<b>TOTAL (NRs.)</b>		
				<b>VAT @ 13%</b>		
				<b>GRAND TOTAL (NRs.)</b>		

Authorized signature: .....  
 Name: .....  
 Designation: .....  
 Company Seal/stamp: .....  
 Date: .....



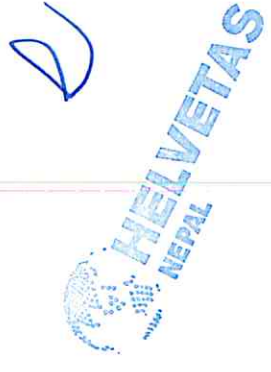


STANDARD BID DOCUMENT

**Package: 7**

The table below shows the number of different types of houses in Package 7 at ward 7 of Helambu Rural Municipality. Bidders are requested to quote the rate for skilled/unskilled workforce along with the cost of their insurance, required formwork, construction tools and safety gears to restore houses mentioned in respective package. Bidders are requested to refer to Annex 1 and 2 for the reference.

SN	Description	Unit	Quantity	Rate in Fig.	Rate in Words (NRs.)	Amount
1	Type of House – Type 1A (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	13.00			
2	Type of House – Type 1B (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	9.00			
3	Type of House – Type 4 (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	1.00			
				<b>TOTAL (NRs.)</b>		
				<b>VAT @ 13%</b>		
				<b>GRAND TOTAL (NRs.)</b>		



Authorized signature: .....  
 Name: .....  
 Designation: .....  
 Company Seal/stamp: .....  
 Date: .....

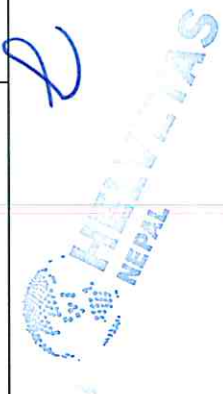
STANDARD BID DOCUMENT

**Package: 8**

The table below shows the number of different types of houses in Package 8 at ward 7 of Helambu Rural Municipality. Bidders are requested to quote the rate for skilled/unskilled workforce along with the cost of their insurance, required formwork, construction tools and safety gears to restore houses mentioned in respective package. Bidders are requested to refer to Annex 1 and 2 for the reference.

SN	Description	Unit	Quantity	Rate in Fig.	Rate in Words (NRs.)	Amount
	Full Restoration					
1	Type of House – Type 1A (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	2.00			
2	Type of House – Type 1B (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	7.00			
3	Type of House – Type 2A (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	1.00			
4	Type of House – Type 2B (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	6.00			
5	Type of House – Type 4 (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	2.00			
	Partial Restoration (outer side only)					
1	Type of House – Type 1B (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	8.00			
2	Type of House – Type 2B (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	1.00			
3	Type of House – Type 4 (cost includes Skilled/Unskilled labor along with insurance, formwork and tools/safety gears all complete)	Nos	1.00			
				TOTAL (NRs.)		
				VAT @ 13%		
				GRAND TOTAL (NRs.)		

Authorized signature: .....  
 Name: .....  
 Designation: .....  
 Company Seal/stamp: .....  
 Date: .....



---

## 7. SCHEDULE OF REQUIREMENTS (SOR)

---

The purchaser will strictly monitor that the schedule of requirements is fully honoured by the supplier and shall assess the performance of the supplier in view of adherence to it.

### 1. DELIVERY/RESTORATION WORK SCHEDULE

The restoration work shall commence by deploying the required workforce (as per Annex 1 and Annex 3) within the timeline as indicated in the work schedule (See Annex 1). The work schedule shall be effective from three days after the date of signing the contract agreement. The details of the house to be restored, its restoration type, quantity estimate, drawings and work schedule are provided in Annexes of this document.

**Restoration Sites:** Afno Ghar project implemented household (See in Annex 1)

**Delivery Time (Duration of Restoration Works as mentioned in the package):** Within 90 days of contract agreement (Delivery/ restoration work schedule is attached herewith as an Annex 1)

### 2. NOTICE OF DELAY

In the event that the Supplier encounters a delay in restoration of houses and supply of the workforce and materials, the Supplier shall promptly notify the Purchaser of such delay with proper evidence and may request for time extension before expiry of the time given in the contract.

### 3. TIME EXTENSION

Time extension request shall be considered by the Purchaser only in exceptional case if the reasons are acceptable to the Purchaser.

### 4. PENALTIES FOR DELAY

In case of delay in the completion of restoration works due to delivery and performance of workforce, beyond the time specified in the contract, the penalty will be determined as per the conditions of contract.

### 5. EMPLOYMENT

The Supplier shall provide first priority to local skilled/unskilled workforce from the municipality as mentioned in the package. Afno Ghar Project requires that tender, contractors and suppliers ensure during the procurement and execution of such contracts that people in the supply-chain are treated with respect and have rights with regard to employment including the rights to freely choose employment, freedom of association, payment of a living wage, working hours that comply with national laws, equal opportunities, recognized employment relationship, freedom from intimidation and to a safe and healthy working environment. Equally, contractors must ensure that there shall be no exploitation of child and forced labour. This shall be ensured in terms of the ILO Convention No. 182 on the Worst Forms of Child Labour, 1999 and the ILO Convention No. 138 on the Minimum Age for Admission to Employment and Work, 1973.

### 6. GENDER

No discrimination for wage payment will be made on the basis of gender or caste or ethnicity.

### 7. EQUITY

The Supplier shall pay equal wage for equal work.

### 8. INSURANCE

The supplier shall procure relevant insurance policies including accidental insurance for all the workforce working in restoration works.

## 8. SPECIFICATIONS & QUALITY ASSURANCE

### 8.1 General

The workforce and materials supplied and used in the restoration works shall comply with the requirements of these Specifications. The details of the house to be restored are provided in Annex 1, the quantity estimate is provided in Annex 2, the work schedule is provided in Annex 1 and Annex 3 and Restoration Drawings are provided in Annex 5.

The specification of the workforce and materials is summarized in the table below.

S.N.	Description	Specification
1	Skilled workforce	The skilled workforce shall have certification regarding housing or relevant construction from a recognized institution or a minimum work experience of one year in construction related works such as rebar concrete works, placing of formworks, drilling related works etc
2	Unskilled workforce	Support to skilled workforce in rebar and concrete related works.
3	Formwork	A 10 mm thick water-resistant plywood conforming to NS 544/545/546/547/548 and braced and tied by 2"x2" Soft wood top maintain the position and shape of beam during the construction.
4	Construction Tools	As specified in Annex 4.

### 2. Quality Requirements, Quality Control and Quality Assurance (Guarantee)

The quality control of the work (done by the workforce) acquired, is the responsibility of the Supplier, who should guarantee that all restoration works are carried out with respect to the drawings provided by the Purchaser (see Annex 5) and formworks supplied are of standard quality according to the specification provided in table above. The cost for all damages due to low workmanship must be borne by the Supplier. The authorized engineer from the Purchaser shall provide technical guidance and supervision whenever required. The quality of works as provided by the supplier shall be verified by the authorized engineer of the Purchaser.

### 3. Inspection, Tests and Final Check

The Supplier shall coordinate to provide access and other facilities for the inspection and, if required, tests of the quality of restoration work and material supplied by the supplier.

**A final check of all restoration works and materials would be conducted, and the discrepancies found during such a final check must be rectified by the supplier at its own cost.** On a default situation, such works shall be conducted by the Purchaser and the cost incurred for such works shall be made a liability in the supplier's account (either from its retention money or from other payments and/or their property according to the prevailing rules and regulations).

e

**4. TRANSPORTATION**

It is the responsibility of the Supplier to facilitate transportation of skilled/unskilled workforce and material from one place to other places as per the need or as requested by the authorized engineer of the PURCHASER. The Supplier shall entirely be responsible for the quality of restoration work and quantity of materials at designated point/houses. No reasons whatsoever will be accepted for poor quality of restoration work and materials.

**5. HEALTH AND SAFETY**

The skilled/unskilled workforce shall be equipped with hard hats, gloves, goggles and sturdy boots to prevent injury, and a first aid package is available at each on going restoration sites. The skilled/unskilled workforce must put on high visibility vests and the site must be surrounded by a caution tape.

*E*



## 9. GENERAL CONDITIONS OF CONTRACT (GCC)

- 1. Definitions**
- 1.1 In this contract, the following terms shall be interpreted as indicated:
1. "The Contract" means the agreement entered into between the Purchaser and the Supplier and signed by both the parties and it includes all attachments and appendices thereto and all documents incorporated by reference therein.
  2. "The Contract Price" means the price payable to the Supplier under the contract for the full and proper performance of its contractual obligation.
  3. "The works" means the work package for completing restoration works under Afno Ghar Project.
  4. "The Workforce" means the works described in the Terms of References to be performed by the supplier including modification, alteration and additions of restoration works and other obligations of the supplier covered under the Contract.
  5. "The Purchaser" means the organization purchasing the workforce related works, i.e. Afno Ghar Project/HELVETAS Nepal.
  6. "The Supplier" means the supplier/contractor whose service according to proposal has been accepted by the purchaser for supplying the workforce and goods under this contract.
  7. "Engineer" or "The purchaser's representative" means the engineer appointed by the purchaser from time to time for inspection/supervision of works carried out by the contractor.
  8. "The Delivery Site" means the place or places where delivery of workforce is to be made. It is also to be referred to as "destination point/houses".
  9. "Day" means calendar day.
  10. "Terms of Reference" means the schedule of works and duties, defined by the bidding document and to be executed by the supplier under this contract.
- 2. Application**
- These General Conditions shall apply to the extent that they are not superseded by provisions in other parts of the contract.
- 3. Standards**
- 3.1 The workforce and goods supplied and restoration works completed under this Contract shall conform to the standards mentioned in the **Technical Specifications**.
- 3.2 Wherever reference is made in the **Technical Specifications** to specific standards and codes to be complied with, the specified standards and codes shall apply and the provisions of the latest edition or revision of the standards or codes shall apply only with the pre-consent of the Purchaser.
- 4. Use of Contract Documents and Information**
- 4.1 The Supplier shall not, without the Purchaser's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Purchaser to any person other

than a person employed by the Supplier for performing the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.

4.2 The Supplier shall not, without the Purchaser's prior written consent, make use of any document or information except for purposes of performing the Contract.

4.3 Any document, other than the Contract itself, shall remain the property of the Purchaser and shall be returned (all copies) to the Purchaser on completion of the Supplier's performance under the Contract, if so, required by the Purchaser.

## 5. Patent Rights

The Supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.

## 6. Inspections and Tests

6.1 The Purchaser or its Representative shall have the right to inspect and/or to test the goods and examine the skill of the workforce and the quality of restoration works at its own costs. The **Technical Specifications** shall specify what inspections and tests the Purchaser requires and where they are to be conducted. The Purchaser shall notify the Supplier in writing of the identity of any representatives retained for these purposes.

6.2 The inspections and tests may be conducted at house level.

6.3 Any inspected or tested works fail to conform to the Specifications, the Purchaser may reject the works, and the Supplier shall either replace the rejected works or make alternations necessary to meet standard construction requirements, free of cost to the Purchaser.

6.4 Nothing in GCC shall in any way release the Supplier from any warranty or other obligations under this Contract.

6.5 A Certificate of Acceptance shall be issued by the Purchaser after necessary inspection and tests of the works, in case the works conform to the specifications and drawings.

## 7. Packing

7.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their destination, as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' destination and the absence of heavy handling facilities at all points in transit.

7.2 The packing, marking and documentation inside and outside the packages shall comply strictly with such special requirements as delineated instructed by the Purchaser.

## 8. Insurance

The workforce used at construction sites shall be fully insured.

## 9. Transportation

9.1 The Supplier shall bear all the cost of transportation of their skilled /unskilled workforce to the houses as requested by the PURCHASER or authorized engineer.

9.2 Transportation of the goods (tools and formworks) after delivery at the destination point shall be the responsibility of the Supplier.

- 10. Incidental Services** The Supplier may be required to provide incidental services, including additional services, if any.
- 11. Warranty**
- 11.1 The Supplier warrants that the Goods supplied under the Contract are new and unused. The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship or from any act or omission of the Supplier.
- 11.2 The warranty shall remain valid for (12) months after the delivery of the goods at the destination point indicated in the Contract to the satisfaction of the Purchaser.  
In case any defect is observed or found in the goods at the site, the supplier shall be liable to bring back the defective goods and shall replace them with proper ones at his/her own costs.
- 11.3 The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty.
- 11.4 Upon receipt of such notice, the Supplier shall, within the period specified and with all reasonable speed, repair or replace the defective Goods or parts thereof, without costs to the Purchaser.
- 11.5 If the Supplier, having been notified, fails to take remedial action within fifteen (15) days from date of receipt of notice, the Purchaser may proceed to take such action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.
- 12. Payment and Taxes**
- 12.1 Payment will be made upon acceptance of the completed restoration works with evidence by Authorized Engineer of the Purchaser along with the valid tax invoice. Payments shall be made by the Purchaser, within 15 days. The full and final payment shall be made only after completion of whole restoration works and acceptance by the Purchaser. The purchaser may consider part payment based on completed houses upon request of the supplier and if deemed essential on mutual understanding.
- 12.2 All taxes applicable shall be for the Supplier's account.
- 12.3 VAT shall be explicitly mentioned on the invoice and shall be for the Purchaser's account.
- 13. Prices**
- 13.1 Prices charged by the Supplier for works under the Contract shall not vary from the prices quoted by the Supplier in its bid.
- 14. Order Placement**
- 14.1 The Purchaser may place the order on lot basis in a written form to the suppliers.
- 14.2 Actual contract size, quantity, duration etc. can be done in accordance with clauses of contract (refer SCC).
- 14.3 The order size will be confirmed at the time of order placement. (refer SCC).
- 14.4 Additional order: the purchaser can place order for additional quantity within price validity period under this agreement if required.
- 15. Contract Amendments**
- 15.1 Duration of contract may be extended by mutual understanding without affecting the agreed quality and cost.
- 15.2 Price validity of original contract may be extended by mutual understanding of contracting parties.
- 16. Assignment** The Supplier shall not assign to a third party, in whole or in part, its obligations to perform under the Contract, except with the Purchaser's prior written consent.
- 17. Subcontracts** The workforce shall be fully supplied/performed by the Supplier and shall strictly abstain from sub-contracting in whole or any



- portion of the contractor to any other supplier other than other than the partners mentioned in Bid Form.
- 18. Delays in the Supplier's Performance**
- 18.1 Completion of the restoration works and delivery of the goods and performance of services shall be made by the Supplier in accordance with the time schedule specified by the Purchaser in the **Schedule of Requirement**.
- 18.2 An unexcused delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to any or all of the following sanctions: imposition of liquidated damages, termination of the Contract and /or disqualification up to a period of two years.
- 18.3 If at any time during performance of the Contract, the Supplier should encounter conditions impeding timely completion of restoration works and delivery of the goods and performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may, at its discretion, extend the Supplier's time for performance, with or without liquidated damages.
- 19. Liquidated Damages**
- If the Supplier fails to complete any or all of the restoration works or to perform within the time period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.25% of the contract price of the delayed restoration works for each day of delay until actual completion, up to a maximum deduction of (10%) percent of the Contract Price. Once the maximum is reached, the Purchaser may consider termination of the Contract.
- 20. Termination for Default**
- 20.1 The Purchaser may, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, terminate the Contract in whole or in part:
- if the Supplier fails to complete any or all of the restoration works within the time period(s) specified in the Contract, or any extension thereof granted by the Purchaser; or
  - if the Supplier fails to perform any other obligation(s) under the Contract; or
  - if the Purchaser is of opinion that the restoration works and goods (tools and formwork) does not conform to the set standard, specification and/or drawings.
- 20.2 In the event the Purchaser terminates the Contract in whole or in part, the Purchaser may procure, upon such terms and in such manner as it deems appropriate, workforce, goods or services similar to those undelivered or unacceptable, However, the Supplier shall continue performance of the Contract to the extent not terminated.
- 21. Force Majeure**
- 21.1 For purposes of this Contract, "Force Majeure" means an event beyond the control of the parties to the Contract and not involving either party's fault or negligence and not foreseeable.
- 21.2 If, at any time during the existence of the Contract, either party is unable to perform in whole or part any obligation under this Contract because of such events which include, but are not restricted to, acts of God, acts of Government in its sovereign capacity, war, revolutions, hostility, civil commotions, strikes, fires, floods, epidemics, quarantine restrictions, freight

embargoes, explosions, then the date of fulfillment of Contract shall be postponed during the period when such circumstances are operative.

21.3 The party which is unable to perform its obligations under the present Contract shall, within fourteen (14) days of occurrence of the Force Majeure event, inform the other party with suitable documentary evidence. Non-availability of workforce/ materials from regular sources or disruption of power supply shall not be an excuse for the Supplier for not performing its obligations under this clause.

21.4 Any waiver/extension of time in respect of the delivery/ acceptance of any installment or part of the goods shall not be deemed to be a waiver/extension of time in respect of the remaining deliveries.

21.5 If such inability to perform continues for a period of more than three (3) months, each party shall have the right to be released from further performance of the Contract, in which case, neither party shall have the right to claim damages from the other. All prior performance shall be subject to Contract terms.

21.6 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

**22. Termination for Insolvency**

The Purchaser may at any time terminate the Contract by giving written notice to the Supplier, without compensation to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Purchaser.

**23. Termination for Convenience**

23.1 The Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time convenient to it. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

23.2 The Goods that are complete and ready for delivery within 15 days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:

- b) to have any portion completed and delivered at the Contract terms and prices; and/or
- c) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Services and for materials and parts previously procured by the Suppliers.

**24. Resolution of Disputes**

24.1 The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

24.2 If, after twenty-eight (28) days from the commencement of such informal negotiations, the Purchaser and the Supplier have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred for resolution to the formal

- mechanisms. These mechanisms may include, but are not restricted to, conciliation mediated by a third party, adjudication in an agreed national or international forum, and/or national and international arbitration.
- 25. Governing Language** The Contract shall be written in the English language. The English version of the Contract shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties may be written in Nepali and/or English language.
- 26. Applicable Law** The Contract shall be interpreted in accordance with the laws of Nepal.
- 27. Notices**
- 27.1 Any notice given by one party to the other pursuant to the Contract shall be sent to the other party in writing and confirmed in writing to the other party's address. Notice sent by facsimile or by email does not need confirmation of the receiver.
- 27.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.
- 28. Taxes and Duties** The Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until completion of the contracted restoration works and goods to the final destination point.
- 29. Corruption** The Suppliers shall adhere to the highest ethical standards, both during the bidding process and throughout the execution of a contract. A "corrupt practice" refers to the offering, giving, receiving or soliciting (directly or indirectly) of anything of value to improperly influence the actions of another person. Corruption in the procurement process generally involves a fraudulent act such as bribery or a kickback. Contractually supplier shall declare that they are not engaged in corrupt practices; they must disclose any situation that may appear to be a conflict of interest. Helvetas Nepal has a "zero tolerance" policy regarding acceptance of gifts or hospitality; and there are restrictions on employment of former Helvetas Nepal staff members.
- 30. Blacklist** The purchaser cannot continue the contract with the firm/company as and when blacklisted by the Government of Nepal to the limitation of blacklisting decision.
- 31. Authorization**
- 16.1 Has been properly signed by the authorized person as per ITB



## 10. SPECIAL CONDITIONS OF CONTRACT (SCC)

This SCC is an integral part of the Agreement

Clause	Item
GCC 1.1 (e)	The Purchaser is: <b><u>Afno Ghar Project/ Helvetas Nepal</u></b>
ITB 22	The Currency of the performance security shall be in Nepalese Rupees. The amount of the performance security shall be as follows: The successful bidder should submit a performance guarantee, issued by "A" class commercial bank specified by Nepal Rastra Bank in favour of "Restoration of REAP Supported Houses (Afno Ghar Project)/Helvetas Nepal" with a validity of <b>120 days</b> from date of award notification. The amount of performance security should be minimum of 5 % of contractual amount.
GCC 11	The warranty period shall be 4 months.
GCC 12 ITB 25	The terms of payment to be made to the Supplier under the contract shall be as follows: <b>1. The payment shall be made:</b> <b>(a)</b> Payment will be made upon acceptance of the completed restoration works with evidence by Authorized Engineer of the Purchaser along with the valid tax invoice. <b>(b)</b> Payment can be made in full or partial as per convenience of purchaser. <b>(c)</b> All payment shall be made through A/C payee cheque or bank transfer from the account division/unit of the purchaser. <b>(d)</b> Full and final payment shall be done after successful completion of the contract.
GCC .....	<b>For notices, the Purchaser's address shall be:</b> The Team Leader Afno Ghar Project/ Helvetas Nepal Shera Sindhupalchowk Email: NPL.Afnoghar@helvetas.org Tel: 9765999521  <b>For notices, the Supplier's address shall be:</b> Name and Address of the Supplier: Telephone number: Facsimile number: e-mail Address:
	Price Escalation - NA
GCC 31 and ITB16	Has been properly signed by the authorized person



## 11. SAMPLE FORMS AND FORMATS

### 10.1 CONTRACT AGREEMENT

THIS AGREEMENT made on the ..... day of ..... between Afno Ghar project/ Helvetas Nepal, Shera, Sindhupalchowk (hereinafter "the Purchaser"), of the one part, and M/s ..... of ....., Nepal (hereinafter "the Supplier"), of the other part:

WHEREAS the Purchaser invited Bids for supply of workforce and related restoration works, viz **supply and delivery** of workfroce for restoration of REAP supported houses under Afno Ghar Project in Melamchi Municipality and Helambu Rural Municipality in Sindhupalchowk and has accepted a Bid by the Supplier for the supply of Workforce, Goods and Related Services in the sum of NRs. .... [in words .....] (hereinafter "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
  - (a) the Letter of Acceptance;
  - (b) the Bid Submission Sheet and the Price Schedules submitted by the Supplier;
  - (c) the Special Conditions of Contract;
  - (d) the General Conditions of Contract;
  - (e) the Schedule of Requirement;
  - (f) any other documents shall be added here.

This Contract shall prevail over all other Contract documents. In the event of any discrepancy or inconsistency within the Contract documents, then the documents shall prevail in the order listed above.

3. In consideration of the payments to be made by the Purchaser to the Supplier as indicated in this Agreement, the Supplier hereby covenants with the Purchaser to provide the Workforce, Goods and Related Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Workforce, Goods and Related Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
5. The suppliers should be issue VAT invoice in the name of **Afno Ghar Project/ Helvetas Nepal** and roughly corrected invoices will not be accepted.
6. The purchaser can place order for additional quantity within price validity period under this agreement if required. The delivery date for additional quantity will be fixed on mutual understanding between both parties for additional order.

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

**On behalf of**

Afno Ghar Project, Helvetas Nepal

Signature:

Name:

Designation:

Date:

Seal:

**Witness,**

Signature:

Name:

**On behalf of the Supplier**

Signature:

Name:

Designation:

Date:

Seal:

Signature:

Name:

10.2 PERFORMANCE SECURITY

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

Date: [insert date]

Beneficiary: Afno Ghar Project/ Helvetas Nepal

Date: .....

Performance Guarantee No.:

We have been informed that . . . name of the supplier. . . . . (hereinafter called "the Supplier") has entered into Contract No. . . . . reference number of the contract. . . . . dated . . . . . with you, for the execution of . . . . . name of contract and brief description of goods and related services. . . . . (hereinafter called "the Contract").

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

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

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

.....  
Signature(s) and seal of bank (where appropriate)



**10.3 BID SECURITY**

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

Date: [insert date]

**Beneficiary Name: Afno Ghar Project/ Helvetas Nepal**

**BID GUARANTEE No.: [insert guarantee number]**

We have been informed that [insert name of the bidder] (hereinafter called "the bidder") intends to submit its bid to you (hereinafter called "the Bid") for the execution of [insert name of procurement contract] under Invitation for Bids No. [insert contract number] ("the Invitation").

Furthermore, we understand that, according to your conditions of contract, bids must be supported by a bid guarantee.

We [insert name of issuing Bank] hereby irrevocably undertake to pay you a total amount of [insert amount in figures of bid security] [insert amount in words] upon receipt by us of your first demand in writing accompanied by a written statement stating that the bidder is in breach of its obligation under the bid conditions.

This guarantee will expire in ..... days after the expiration of the bidder's bid which comes to be [insert the date of expiry of the bid security].

Consequently, any demand for payment under this guarantee shall be received by us at the office on or before expiry date of bid security.

Name \_\_\_\_\_  
In the capacity of \_\_\_\_\_  
Signed \_\_\_\_\_

Duly authorized to sign the Bid Security for and on behalf of \_\_\_\_\_  
Date \_\_\_\_\_



**10.4 LETTER OF ACCEPTANCE**

[on letterhead paper of the Purchaser]

Date.....

To: Name and address of the Supplier

Subject: Notification of Award

This is to notify that your sealed bid related to bid notice dated ..... for supply and delivery of **Package**..... We understand that your bid complied with all the **technical specification** mentioned in the bid document. Based on these understanding the total contract price of Nepalese Rupees ..... (in words: ..... *only*) including VAT, transportation, loading/unloading and marine insurance has been accepted by us in accordance with bid document.

You are hereby informed to contact this office for formal contract agreement latest by ..... before 5:00 PM accompanying an unconditional performance security of NRs. .... (in words: ..... *only*) from a "A" class commercial bank specified by Nepal Rastra Bank in favour of "Afno Ghar Project/ Helvetas Nepal". The validity of performance security must be ..... days from the date of award notification. As per the conditions of the contract, you are also required to submit a performance guarantee, as specified in the format included in the Bidding Document.

In case you fail to furnish the performance security and to sign the contract within the specified period, the purchaser reserves the right to cancel this award notification and forfeit the bid security.

Authorized Signature: .....

Name and Title of Signatory:

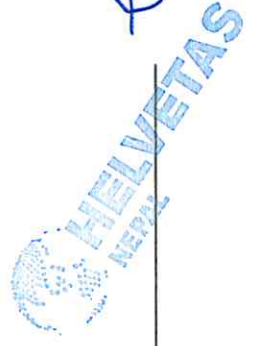




**12. ANNEX 1: WORKFORCE DELIVERY SCHEDULE ALONG WITH HOUSEHOLD DETAILS**

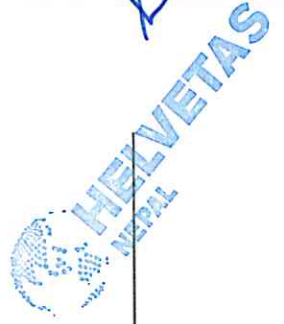


**ANNEX 2: BILL OF QUANTITIES FOR EACH TYPE OF HOUSE**



*(Handwritten signature)*

**ANNEX 3: WORK SCHEDULE**



2

**ANNEX 4: CONSTRUCTION TOOLS REQUIREMENT**



**ANNEX 5: RESTORATION DRAWINGS**



**ANNEX 1: WORKFORCE DELIVERY SCHEDULE**

DATE: 30/04/2024

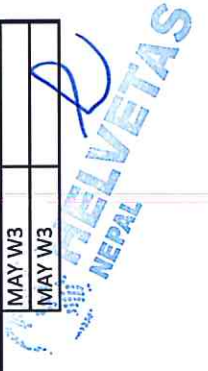
SBD NUMBER: AG/SQ/03/2024

Total Number of Houses: 200

S.No.	Home Owner Name	House ID	Palika	Ward	Toile	Housetype	Cluster Details	Package	Phase 1 start	Phase 2 start
1	Ram Bahadur Tamang	HEL07097	Melamchi	6	Majatole	2B	Cluster 2	Package 1	MAY W3	
2	Bir Bahadur Tamang	MEL06069	Melamchi	6	Majatole	2A	Cluster 2		MAY W3	
3	Mohan Tamang	MEL06016	Melamchi	6	Majatole	1A	Cluster 2		MAY W3	
4	Kami Tamang	MEL06036	Melamchi	6	Majatole	Type 4	Cluster 2		MAY W3	
5	Ram Bahadur Tamang	MEL06020	Melamchi	6	Bhumesthan	2B	Cluster 2		MAY W3	
6	Harkasingh Tamang	MEL06003	Melamchi	6	Majatole	1A	Cluster 2		MAY W3	
7	Bahadur Tamang	MEL07068	Melamchi	6	Majatole	Type 4	Cluster 2		MAY W3	
8	Sete Tamang	MEL06041	Melamchi	6	Majatole	2B	Cluster 2		MAY W3	
9	Sanu Tamang	MEL06056	Melamchi	6	Majatole	1A	Cluster 2		MAY W3	
10	Sanchaman Tamang	HEL07093	Melamchi	6	Majatole	2A	Cluster 2		MAY W3	
11	Turn Bahadur B.K	MEL06002	Melamchi	6	Majatole	1B	Cluster 2		MAY W3	
12	Tanka Bahadur B.K	MEL06068	Melamchi	6	Majatole	2B	Cluster 2		JUNE W2	
13	Purnabir Kami	MEL06056	Melamchi	6	Majatole	2A	Cluster 2		JUNE W2	
14	Sailli Tamang	MEL06066	Melamchi	6	Majatole	1A	Cluster 2		JUNE W2	
15	Jagat Bahadur Deuja	MEL06042	Melamchi	6	Majatole	Type 4	Cluster 2		JUNE W2	
16	Dirga Bahadur Deuja	MEL06023	Melamchi	6	Majatole	1B	Cluster 2		JUNE W2	
17	Namaraj Thapa	MEL06051	Melamchi	6	Majatole	2A	Cluster 2		JUNE W2	
18	Sailli Thapa	MEL06063	Melamchi	6	Majatole	1A	Cluster 2		JUNE W2	
19	Dev Kumari Thapa	MEL06067	Melamchi	6	Majatole	1A	Cluster 2		JUNE W2	
20	Til Kumari Shrestha	MEL06061	Melamchi	6	Majatole	2A	Cluster 2		JUNE W2	
21	Ume Sunuwar	MEL06039	Melamchi	6	Nepaltole	2B	Cluster 2		JUNE W2	
22	Bhim Bhadur Sunuwar	MEL06007	Melamchi	6	Nepaltole	Type 4	Cluster 2		JUNE W2	
23	Gobinda Giri	MEL06018	Melamchi	6	Nepaltole	2A	Cluster 2		JUNE W2	
24	Krishna Lal Shrestha	MEL07006	Melamchi	7	Sella	1B	Cluster 2		MAY W3	
25	Damai Tamang	MEL07033	Melamchi	7	Sella	1A	Cluster 2		MAY W3	
26	Ram Pyari Shrestha	MEL07045	Melamchi	7	Newar Toile	1B	Cluster 2		MAY W3	
27	Arjun B. Adhikari	MEL07009	Melamchi	7	Salle	1A	Cluster 2		MAY W3	
28	Bir B. Tamang	MEL07049	Melamchi	7	Salle	1B	Cluster 2		MAY W3	
29	Layula Tamang	MEL07062	Melamchi	7	Salle	1A	Cluster 2		MAY W3	
30	Sancha Tamang	HEL05072	Melamchi	7	Salle	2A	Cluster 2		MAY W3	
31	Surja Man Tamang	MEL07023	Melamchi	7	Salle	1A	Cluster 2		MAY W3	
32	Shreelal Tamang	MEL07067	Melamchi	7	Salle	1B	Cluster 2		MAY W3	
33	Purna Man Pakhrin	MEL07018	Melamchi	7	Salle	1B	Cluster 2		MAY W3	
34	Kancha Man Tamang	MEL07045	Melamchi	7	Salle	1B	Cluster 2		MAY W3	
35	Sancha Pakhrin	MEL07035	Melamchi	7	Salle	1B	Cluster 2		MAY W3	
36	Mohan Maya Shrestha	MEL07026	Melamchi	7	Gahirothok	1B	Cluster 2		MAY W3	



S.No.	Home Owner Name	House ID	Palika	Ward	Tole	Housetype	Cluster Details	Package	Phase 1 start	Phase 2 start
37	Sarki Tamang	MEL07019	Melamchi	7	Newar Tole	2B	Cluster 2	Package 2	MAY W3	JUNE W2
38	Devi Maya Kami	MEL07084	Melamchi	7	Dalit Basti	1B	Cluster 2		JUNE W2	JUNE W2
39	Man B. Ramdam	MEL07040	Melamchi	7	Dalit Basti	2B	Cluster 2		JUNE W2	JUNE W2
40	Singha Man Damai	MEL07017	Melamchi	7	Dalit Basti	1A	Cluster 2		JUNE W2	JUNE W2
41	Siva Lal Shrestha	MEL07075	Melamchi	7	Newar Tole	1A	Cluster 2		JUNE W2	JUNE W2
42	Dog Lal Shrestha	MEL07073	Melamchi	7	Newar Tole	1A	Cluster 2		JUNE W2	JUNE W2
43	Purna Prasad Shrestha	MEL07043	Melamchi	7	Newar Tole	1A	Cluster 2		JUNE W2	JUNE W2
44	Chanak B. Newar	MEL07032	Melamchi	7	Newar Tole	1B	Cluster 2		JUNE W2	JUNE W2
45	Jog Lal Joshi	MEL07013	Melamchi	7	Newar Tole	1B	Cluster 2		JUNE W2	JUNE W2
46	Bishnu Lal Joshi	MEL07004	Melamchi	7	Newar Tole	1A	Cluster 2		JUNE W2	JUNE W2
47	Krishna Lal Joshi	MEL07072	Melamchi	7	Newar Tole	1B	Cluster 2		JUNE W2	JUNE W2
48	Ruku Maya Joshi	MEL07056	Melamchi	7	Newar Tole	1A	Cluster 2		JUNE W2	JUNE W2
49	Nanda Lal Joshi	MEL07024	Melamchi	7	Newar Tole	1A	Cluster 2		JUNE W2	JUNE W2
50	Suku Man Tamang	MEL07074	Melamchi	7	Selle	1B	Cluster 2		JUNE W2	JUNE W2
51	Meghe B. Jyoti	MEL07083	Melamchi	7	Selle	1A	Cluster 2		JUNE W2	JUNE W2
52	Krishna B. Tamang	MEL11028	Melamchi	11	Katunje	2B	Cluster 2		MAY W3	
53	Tihuri Tamang	MEL11028	Melamchi	11	Katunje	1B	Cluster 2		MAY W3	
54	Sun Laxmi Tamang	MEL11005	Melamchi	11	Katunje	1B	Cluster 2		MAY W3	
55	Mithu Maya Tamang	MEL11003	Melamchi	11	Katunje	2A	Cluster 2		MAY W3	
56	Surje B. Tamang	MEL11074	Melamchi	11	Katunje	1B	Cluster 2		MAY W3	
57	Sancha Maya Tamang	MEL11087	Melamchi	11	Katunje	2B	Cluster 2		MAY W3	
58	Dev B. Tamang	MEL11107	Melamchi	11	Katunje	2B	Cluster 2		MAY W3	
59	Kali Tamang	MEL11088	Melamchi	11	Katunje	1A	Cluster 2		MAY W3	
60	Namka Tamang	MEL11065	Melamchi	11	Katunje	1A	Cluster 2		MAY W3	
61	Jit B. Tamang	MEL11064	Melamchi	11	Katunje	1B	Cluster 2		MAY W3	
62	Dil B. Tamang	MEL11106	Melamchi	11	Katunje	Type 4	Cluster 2		MAY W3	
63	Dokpa Tamang	MEL11075	Melamchi	11	Katunje	1B	Cluster 2		MAY W3	
64	Tirtha B. Tamang	MEL11017	Melamchi	11	Bhatomuni+Puchartole	2B	Cluster 2		JUNE W2	JUNE W2
65	Kami Singh Tamang	MEL11002	Melamchi	11	Bhatomuni+Puchartole	1B	Cluster 2		JUNE W2	JUNE W2
66	Marsani Tamang	MEL11099	Melamchi	11	Bhatomuni+Puchartole	1B	Cluster 2		JUNE W2	JUNE W2
67	Ram B. Tamang	MEL11072	Melamchi	11	Bhatomuni+Puchartole	1B	Cluster 2		JUNE W2	JUNE W2
68	Harka B. Tamang	MEL06043	Melamchi	11	Bhatomuni+Puchartole	1B	Cluster 2		JUNE W2	JUNE W2
69	Kami Tamang	MEL11092	Melamchi	11	Bhatomuni+Puchartole	Type 4	Cluster 2		JUNE W2	JUNE W2
70	Maiti Tamang	MEL11100	Melamchi	11	Bhatomuni+Puchartole	Type 4	Cluster 2		JUNE W2	JUNE W2
71	Ganga Maya Tamang	MEL11103	Melamchi	11	Bhatomuni+Puchartole	1A	Cluster 2		JUNE W2	JUNE W2
72	Tirtha B. Tamang	MEL11054	Melamchi	11	Bhatomuni+Puchartole	1B	Cluster 2		JUNE W2	JUNE W2
73	Suku Tamang	MEL11061	Melamchi	11	Bhatomuni+Puchartole	2B	Cluster 2		JUNE W2	JUNE W2
74	Chamar Tamang	MEL11101	Melamchi	11	Bhatomuni+Puchartole	Type 4	Cluster 2		JUNE W2	JUNE W2
75	Kalu Tamang	MEL07068	Melamchi	11	Bhatomuni+Puchartole	1A	Cluster 2		JUNE W2	JUNE W2
76	Bahadur Tamang	HEL02031	Helambhu	2	Barsang	1B	Cluster 2		MAY W3	
77	Buddha Tamang	HEL02083	Helambhu	2	Barsang	1B	Cluster 2		MAY W3	



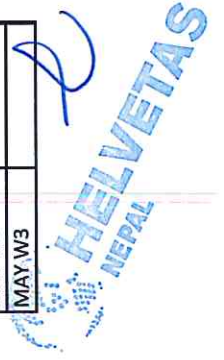
S.No.	Home Owner Name	House ID	Palika	Ward	Tole	Housetype	Cluster Details	Package	Phase 1 start	Phase 2 start
78	Dadul Tamang	HEL06006	Helambhu	2	Barsang	1A	Cluster 2	Package 4	MAY W3	
79	Damai Tamang	HEL02014	Helambhu	2	Barsang	1A	Cluster 2		MAY W3	
80	Dolma Tamang	HEL02003	Helambhu	2	Barsang	1A	Cluster 2		MAY W3	
81	Iman si. Tamang	HEL02021	Helambhu	2	Barsang	1A	Cluster 2		MAY W3	
82	Karbo Tamang	MEL07058	Helambhu	2	Barsang	1A	Cluster 2		MAY W3	
83	Mangale Tamang	HEL02084	Helambhu	2	Barsang	1A	Cluster 2		MAY W3	
84	Nima Tamang	HEL02074	Helambhu	2	Barsang	1B	Cluster 2		MAY W3	
85	Nurbu Tamang	HEL07162	Helambhu	2	Barsang	1B	Cluster 2		MAY W3	
86	Pemba Dorje Tamang	HEL02077	Helambhu	2	Barsang	1B	Cluster 2		MAY W3	
87	PrataP Tamang	HEL02032	Helambhu	2	Barsang	1B	Cluster 2		MAY W3	
88	Ratna bahadur bhujel	HEL02080	Helambhu	2	Barsang	1B	Cluster 2		MAY W3	
89	Sarmila Bhujel	HEL07070	Helambhu	2	Barsang	1A	Cluster 2		MAY W3	JUNE W2
90	Som Bahadur Tamang	HEL02044	Helambhu	2	Barsang	1B	Cluster 2			JUNE W2
91	Somar Tamang	HEL02036	Helambhu	2	Barsang	1B	Cluster 2			JUNE W2
92	Somo Tamang	HEL05051	Helambhu	2	Barsang	1A	Cluster 2			JUNE W2
93	Sukuman Tamang	HEL07091	Helambhu	2	Barsang	1B	Cluster 2			JUNE W2
94	Aaite Tamang	HEL07131	Helambhu	2	Barsang	1B	Cluster 2			JUNE W2
95	Ambar Bahadur Gharti	HEL02052	Helambhu	2	Barsang	1A	Cluster 2			JUNE W2
96	Bel Bahadur Bhandari	HEL02065	Helambhu	2	Barsang	1A	Cluster 2		JUNE W2	
97	Bhim Bahadur Bhujel	HEL02066	Helambhu	2	Barsang	1A	Cluster 2		JUNE W2	
98	Bir Bahadur Magar	HEL02002	Helambhu	2	Barsang	1B	Cluster 2		JUNE W2	
99	Budda Bahadur Bhujel	HEL02001	Helambhu	2	Barsang	1A	Cluster 2		JUNE W2	
100	Chitra Bahadur Nagarkoti	HEL02073	Helambhu	2	Barsang	1A	Cluster 2		JUNE W2	
101	Chitra Kumari Paudel	HEL02071	Helambhu	2	Barsang	1A	Cluster 2		JUNE W2	
102	Dol Bahadur Bhandari	HEL02025	Helambhu	2	Barsang	1A	Cluster 2		JUNE W2	
103	Gopilal Gharti	HEL02013	Helambhu	2	Barsang	1A	Cluster 2		JUNE W2	
104	Hom Bahadur Bhandari	HEL02042	Helambhu	2	Barsang	1B	Cluster 2	MAY W3		
105	kaila Gharti	HEL02016	Helambhu	2	Barsang	1B	Cluster 2	MAY W3		
106	Katak Bahadur Bhandari	HEL02026	Helambhu	2	Barsang	1A	Cluster 2	MAY W3		
107	Natha Bahadur Bhandari	HEL02040	Helambhu	2	Barsang	1A	Cluster 2	MAY W3		
108	Padam Bahadur Nagarkoti	HEL02005	Helambhu	2	Barsang	1A	Cluster 2	MAY W3		
109	Radha Devi Bhujel	HEL02049	Helambhu	2	Barsang	1A	Cluster 2	MAY W3		
110	Rakesh Tamang	HEL02075	Helambhu	2	Barsang	1B	Cluster 2	MAY W3		
111	Tek Bahadur bhujel	HEL02059	Helambhu	2	Barsang	1B	Cluster 2	MAY W3		
112	Tok Bahadur bhujel	HEL02058	Helambhu	2	Barsang	2B	Cluster 2	MAY W3		
113	Yog Bahadur Bhandari	HEL02076	Helambhu	2	Barsang	1A	Cluster 2	MAY W3		
114	Bal Bahadur Joti	HEL02016	Helambhu	2	Churetar	Type 4	Cluster 2	MAY W3		
115	Bhim Bahadur Joti	HEL02016	Helambhu	2	Churetar	1B	Cluster 2	MAY W3		
116	Chitra Kumari Joti	HEL02026	Helambhu	2	Churetar	1B	Cluster 2	MAY W3		
117	Ek Lal Joti	HEL07123	Helambhu	2	Churetar	1B	Cluster 2	MAY W3	JUNE W2	
118	Gaja Raj Joti	HEL02005	Helambhu	2	Churetar	1B	Cluster 2	JUNE W2	JUNE W2	

Package 5





S.No.	Home Owner Name	House ID	Palika	Ward	Tole	Housetype	Cluster Details	Package	Phase 1 start	Phase 2 start
119	Harka Bahadur Joti	HEL02049	Helambhu	2	Churetar	1B	Cluster 2			JUNE W2
120	Hem Bahadur Joti	HEL07075	Helambhu	2	Churetar	1B	Cluster 2			JUNE W2
121	Rudra Bahadur Baruwal	HEL07040	Helambhu	2	Churetar	1A	Cluster 2			JUNE W2
122	Ser Bahadur Dahal	HEL02058	Helambhu	2	Churetar	1B	Cluster 2			JUNE W2
123	Shiva Lal Joti	HEL02076	Helambhu	2	Churetar	Type 4	Cluster 2			JUNE W2
124	Kalu Tamang	HEL02064	Helambhu	2	Churetar	1B	Cluster 2			JUNE W2
125	Khina Tamang	HEL02037	Helambhu	2	Churetar	Type 4	Cluster 2			JUNE W2
126	Mangale taamaang	HEL02004	Helambhu	2	Churetar	2A	Cluster 2			JUNE W2
127	Nur Dolma Tamang	HEL02057	Helambhu	2	Churetar	1A	Cluster 2			JUNE W2
128	Nurba Dolma Tamang	HEL02056	Helambhu	2	Churetar	1A	Cluster 2			JUNE W2
129	Sakpale Tamang	HEL02081	Helambhu	2	Churetar	1B	Cluster 2			JUNE W2
130	Aai Man Tamang	HEL03005	Helambhu	3	Paichok	1A	Cluster 2		MAY W3	
131	Arun Kumar Kunwar	HEL03017	Helambhu	3	Paichok	1A	Cluster 2		MAY W3	
132	Bhola Nath Giri	HEL03015	Helambhu	3	Paichok	1A	Cluster 2		MAY W3	
133	Damber Lal Shrestha	HEL07123	Helambhu	3	Paichok	1A	Cluster 2		MAY W3	
134	Dol Bahadur Bharati	HEL03020	Helambhu	3	Paichok	1B	Cluster 2		MAY W3	
135	Gopal Das Shrestha	HEL03004	Helambhu	3	Paichok	1B	Cluster 2		MAY W3	
136	Gopal Giri	HEL03011	Helambhu	3	Paichok	1B	Cluster 2		MAY W3	
137	Gyan Bahadur Khadka	HEL03018	Helambhu	3	Paichok	Type 4	Cluster 2		MAY W3	
138	Kapo Samden Lama	HEL03016	Helambhu	3	Paichok	1B	Cluster 2		MAY W3	
139	Krishna Lal Shrestha	HEL03013	Helambhu	3	Paichok	1A	Cluster 2		MAY W3	
140	Krishna Maya Shrestha	HEL03012	Helambhu	3	Paichok	1A	Cluster 2		MAY W3	JUNE W2
141	Lok Bahadur Bhujel	HEL03008	Helambhu	3	Paichok	1A	Cluster 2			JUNE W2
142	Rajan Baraili	HEL03006	Helambhu	3	Paichok	1B	Cluster 2			JUNE W2
143	Ram Kaji Kami	HEL03014	Helambhu	3	Paichok	1B	Cluster 2			JUNE W2
144	Santosh Kumar Shrestha	HEL03001	Helambhu	3	Paichok	1A	Cluster 2			JUNE W2
145	Sita Ram Giri	HEL03017	Helambhu	3	Paichok	1A	Cluster 2			JUNE W2
146	Som Bahadur Borjom	HEL03015	Helambhu	3	Paichok	1A	Cluster 2			JUNE W2
147	Som Lal Giri	HEL03020	Helambhu	3	Paichok	1A	Cluster 2			JUNE W2
148	Temp Tamang	HEL03007	Helambhu	3	Paichok	1A	Cluster 2			JUNE W2
149	Wongti Tamang	HEL03004	Helambhu	3	Paichok	1B	Cluster 2			JUNE W2
150	Bagdal tamang	HEL03016	Helambhu	7	Tallo patting majuwa	1A	Cluster 2		MAY W3	
151	Renba tamang	HEL07037	Helambhu	7	Tallo patting majuwa	1A	Cluster 2		MAY W3	
152	Maali tamang	HEL03012	Helambhu	7	Tallo patting majuwa	1A	Cluster 2		MAY W3	
153	Buddha tamanag	HEL03008	Helambhu	7	Tallo patting majuwa	1A	Cluster 2		MAY W3	
154	Gori tamang	HEL03006	Helambhu	7	Tallo patting majuwa	1B	Cluster 2		MAY W3	
155	Dhansing tamang	HEL03014	Helambhu	7	Tallo patting majuwa	1B	Cluster 2		MAY W3	
156	Kale tamang	HEL02055	Helambhu	7	Tallo patting majuwa	1B	Cluster 2		MAY W3	
157	Bir bahadur tamang	HEL02052	Helambhu	7	Tallo patting majuwa	1B	Cluster 2		MAY W3	
158	Kamisingh tamang	HEL02065	Helambhu	7	Tallo patting majuwa	Type 4	Cluster 2		MAY W3	
159	Jasbir tamang	HEL02002	Helambhu	7	Tallo patting majuwa	1B	Cluster 2		MAY W3	



S.No.	Home Owner Name	House ID	Palika	Ward	Tole	Housetype	Cluster Details	Package	Phase 1 start	Phase 2 start
160	Chandra man tamang	HEL02001	Helambhu	7	Tallo patting majuwa	1A	Cluster 2	Package 7	MAY W3	
161	Sangbo tamang	HEL03010	Helambhu	7	Tallo patting majuwa	1A	Cluster 2		MAY W3	
162	Jite tamang	HEL02071	Helambhu	7	Tallo patting majuwa	1A	Cluster 2			JUNE W2
163	Jite tamang	HEL02025	Helambhu	7	Tallo patting majuwa	1B	Cluster 2			JUNE W2
164	Gore tamang	HEL02060	Helambhu	7	Tallo patting majuwa	1B	Cluster 2			JUNE W2
165	Mariama tamang	HEL02020	Helambhu	7	Tallo patting majuwa	1A	Cluster 2			JUNE W2
166	Goldo tamang	HEL02030	Helambhu	7	Tallo patting majuwa	1A	Cluster 2			JUNE W2
167	Bire tamang	HEL07026	Helambhu	7	Tallo patting majuwa	1A	Cluster 2			JUNE W2
168	Kaanchhi tamang	HEL07001	Helambhu	7	Tallo patting majuwa	1A	Cluster 2			JUNE W2
169	Sanchaman tamang	HEL02050	Helambhu	7	Tallo patting majuwa	1A	Cluster 2			JUNE W2
170	Sancha tamang	HEL07131	Helambhu	7	Tallo patting majuwa	1B	Cluster 2			JUNE W2
171	Maeli tamang	HEL02066	Helambhu	7	Tallo patting majuwa	1A	Cluster 2			JUNE W2
172	Tokpen tamang	HEL02013	Helambhu	7	Tallo patting majuwa	1B	Cluster 2			JUNE W2
173	Sangram tamang	HEL02043	Helambhu	7	Bandeuwa	Type 4	Cluster 2			
174	Marpen tamang	HEL02051	Helambhu	7	Diplo Tole	2B	Cluster 2			MAY W3
175	Somar tamang	HEL07080	Helambhu	7	kangmarang	2A	Cluster 2			MAY W3
176	Somar tamang	HEL05056	Helambhu	7	kangmarang	2B	Cluster 2			MAY W3
177	Purna Bahadur tamang	HEL07089	Helambhu	7	kangmarang	1B	Cluster 2		MAY W3	
178	Kali tamang	HEL07030	Helambhu	7	Diplo Tole	2B	Cluster 2		MAY W3	
179	Bire tamang	HEL07130	Helambhu	7	Kangmarang	1B	Cluster 2		MAY W3	
180	Lakpa sherpa	HEL03007	Helambhu	7	Kutumsang	1B	Cluster 2		MAY W3	
181	Kamifurpa sherpa	HEL07093	Helambhu	7	Kutumsang	2B	Cluster 2		MAY W3	
182	Haarkela sherpa	HEL05072	Helambhu	7	Kutumsang	1B	Cluster 2		MAY W3	
183	Sahili tamang	HEL07101	Helambhu	7	Diplo Tole	1B	Cluster 2		MAY W3	
184	Gudung tamang	HEL07159	Helambhu	7	Diplo Tole	1B	Cluster 2		MAY W3	
185	Gopal tamang	HEL03008	Helambhu	7	Diplo Tole	1B	Cluster 2		MAY W3	
186	Balaram tamang	HEL03006	Helambhu	7	Diplo Tole	Type 4	Cluster 2		MAY W3	
187	Maili tamang	HEL07080	Helambhu	7	Diplo Tole	2B	Cluster 2		MAY W3	
188	Suresh tamang	HEL03009	Helambhu	7	Diplo Tole	1B	Cluster 2		JUNE W2	
189	Sancha tamang	HEL03003	Helambhu	7	Thalo	1B	Cluster 2		JUNE W2	
190	Mlang tamang	HEL03011	Helambhu	7	Mvgau	1B	Cluster 2		JUNE W2	
191	Kaanchha tamang	HEL07069	Helambhu	7	Mvgau	1B	Cluster 2		JUNE W2	
192	Kaji tamang	HEL07024	Helambhu	7	Diplo Tole	1B	Cluster 2		JUNE W2	
193	Moiman tamang	HEL03001	Helambhu	7	Diplo Tole	1B	Cluster 2		JUNE W2	
194	Jit bahadur tamang	HEL03002	Helambhu	7	Diplo Tole	Type 4	Cluster 2		JUNE W2	
195	Saaila tamang	HEL03010	Helambhu	7	Diplo Tole	2B	Cluster 2		JUNE W2	
196	Sher Bahadur Dangal	HEL07064	Helambhu	7	Chanautey	2B	Cluster 2		JUNE W2	
197	Saran kumar dangal	HEL07103	Helambhu	7	Chanautey	1B	Cluster 2		JUNE W2	
198	Govinda kumar dangal	HEL07073	Helambhu	7	Chanautey	1A	Cluster 2		JUNE W2	
199	Dilip Kumar Dangal	HEL07127	Helambhu	7	Chanautey	1B	Cluster 2		JUNE W2	
200	Dilli parsad chapachagain	HEL07002	Helambhu	7	Chanautey	1A	Cluster 2		JUNE W2	

Annex 2:Detail Quantity of Individual House and corresponding total of all the houses

Sealed Quotaion.: AG/SQ/03/2024

Total Number of households: 23

Package Number: 1

SN	Description	Unit	Quantity per unit					Total Quantity	Remarks
			1A	1B	2A	2B	Type 4		
	<b>Total units of each housetype in Package 1</b>		6	2	6	5	4	23	
	<b>Total units of each housetype in Package 1 having PCC works</b>		2	0	0	2	2	6	
1	Initial Site clearance work including collection of all construction debris, water, removal of bushes, tree and disposal to the designated place. Layout of plans properly on ground including all required tools, equipments, human resourses and materials.	Sq M	12.00	17.00	12.00	16.00	19.00	334.00	
2	E/W Excavation - Earthwork in excavation for foundation in all kinds of soil upto the required depth and disposal of excavated materials upto 50m lead and 1.50m lift including dressing of sides, ramming the bottom as per drawing, specification and approval of site engineer including back filling of excavated parts as required.	Cu M	3.90	5.29	4.15	5.84	8.30	121.28	
3	Earthfilling with soil including compaction in layers of 150 mm with sprinkling water as per specification.	Cu M	1.17	1.59	1.25	1.75	2.49	36.38	
4	Stone Soling work - Providing and soling stone in true line and level including filling of voids by local sand all complete as per drawing, specification.	Sq M	0.40	1.01	1.03	0.63	2.00	21.75	
5	PCC work (1:1.5:3) - Plain Cement Concrete works for Reinforcement Cement Concrete (RCC) with ratio of 1:1.5:3 cement: sand: coarse aggregates including supplying, mixing, placing, compact and cure as per drawings, specification.	Cu M	0.67	0.96	0.33	1.19	0.80	17.07	
6	Reinforcement work - Supply, cut, fabricate, place and tie, Ribbed High Tensile Reinforcement steel bars (Fe 450) including black annealed binding wire, welding steel and concrete chair (based on need) and supports complete as per drawings and approval of engineer	Kg	336.00	486.00	350.00	398.00	637.00	9,626.00	
7	Formwork - Supply, fabricate, place and fix wooden formworks of any shape for RCC works including nails, staging/supports, labor, lead & lift at any height, removal and disposal as per specification.	Sq M	10.46	21.00	10.60	9.39	24.00	311.29	
8	Metal Steel Post installation - Vertical (3"X3" with 2.6 MM thickness)	Nos	3.00	1.00	2.00	3.00	1.00	51.00	
9	Vertical post connction with Steel Plates Size 2.5" x 12" with 5mm thickness (Including not, bolts and washer fixing)	Nos	40.00	48.00	34.00	40.00	62.00	988.00	
10	Black Japan paint painting work (Size of post - 3"X3" with height 8 ')	Ltrs	5.00	9.00	5.00	5.00	10.00	143.00	
11	Holes driling for 4.75 mm reinforcement as specified by engineer	Nos	41.00	60.00	42.00	41.00	76.00	1,127.00	
12	Holes drilling for 12mm reinforcement as specified by engineer	Nos	91.00	136.00	95.00	104.00	172.00	2,596.00	
13	Finishing work - final site clearance work including collection of all raw material ce and disposal to the designated place	Sq M	12.00	17.00	12.00	16.00	19.00	334.00	
14	PCC work (1:3:6) - Plain Cement Concrete works with ratio of 1:3:6 cement: sand: coarse aggregates including supplying, mixing, placing, compact and cure as per drawings, specification.	Cu M	0.39	0.56	0.55	0.78	0.74	3.83	
15	Demolish of PCC around the masonry wall	Cu M	0.67	0.94	0.79	1.19	1.26	6.24	

Note: The afformentioned quantity represents total amount of work needed to carry out the restoration works in the particular package

Not all the houses shall have demolition or reconstruction of floor PCC works

The bidder must calculate the workforce required to achieve the estimated quantity of works for each type of house.

The final price must include cast of required workforce and average cost of tools and formworks



Annex 2:Detail Quantity of Individual House and corresponding total of all the houses

Sealed Quotation.: AG/SQ/03/2024

Total Number of households: 28

Package Number: 2

SN	Description	Unit	Quantity per unit					Total Quantity	Remarks
			1A	1B	2A	2B	Type 4		
	Total units of each housetype in Package 1		12	13	1	2	0	28	
	Total units of each housetype in Package 1 having PCC works		8	10	0	2	0	20	
1	Initial Site clearance work including collection of all construction debris, water, removal of bushes, tree and disposal to the designated place. Layout of plans properly on ground including all required tools, equipments, human resources and materials.	Sq M	12.00	17.00	12.00	16.00	19.00	409.00	
2	E/W Excavation - Earthwork in excavation for foundation in all kinds of soil upto the required depth and disposal of excavated materials upto 50m lead and 1.50m lift including dressing of sides, ramming the bottom as per drawing, specification and approval of site engineer including back filling of excavated parts as required.	Cu M	3.90	5.29	4.15	5.84	8.30	131.40	
3	Earthfilling with soil including compaction in layers of 150 mm with sprinkling water as per specification.	Cu M	1.17	1.59	1.25	1.75	2.49	39.42	
4	Stone Soling work - Providing and soling stone in true line and level including filling of voids by local sand all complete as per drawing, specification.	Sq M	0.40	1.01	1.03	0.63	2.00	20.22	
5	PCC work (1:1.5:3) - Plain Cement Concrete works for Reinforcement Cement Concrete (RCC) with ratio of 1:1.5:3 cement: sand: coarse aggregates including supplying, mixing, placing, compact and cure as per drawings, specification.	Cu M	0.67	0.96	0.33	1.19	0.80	23.23	
6	Reinforcement work - Supply, cut, fabricate, place and tie, Ribbed High Tensile Reinforcement steel bars (Fe 450) including black annealed binding wire, welding steel and concrete chair (based on need) and supports complete as per drawings and approval of engineer	Kg	336.00	486.00	350.00	398.00	637.00	11,496.00	
7	Formwork - Supply, fabricate, place and fix wooden formworks of any shape for RCC works including nails, staging/supports, labor, lead & lift at any height, removal and disposal as per specification.	Sq M	10.46	21.00	10.60	9.39	24.00	427.88	
8	Metal Steel Post installation - Vertical (3"x3" with 2.6 MM thickness)	Nos	3.00	1.00	2.00	3.00	1.00	57.00	
9	Vertical post connection with Steel Plates Size 2.5" x 12" with 5mm thickness (Including not, bolts and washer fixing)	Nos	40.00	48.00	34.00	40.00	62.00	1,218.00	
10	Black Japan paint painting work (Size of post - 3"x3" with height 8')	Ltrs	5.00	9.00	5.00	5.00	10.00	192.00	
11	Holes drilling for 4.75 mm reinforcement as specified by engineer	Nos	41.00	60.00	42.00	41.00	76.00	1,396.00	
12	Holes drilling for 12mm reinforcement as specified by engineer	Nos	91.00	136.00	95.00	104.00	172.00	3,163.00	
13	Finishing work - final site clearance work including collection of all raw material ce and disposal to the designated place	Sq M	12.00	17.00	12.00	16.00	19.00	409.00	
14	PCC work (1:3:6) - Plain Cement Concrete works with ratio of 1:3:6 cement: sand: coarse aggregates including supplying, mixing, placing, compact and cure as per drawings, specification.	Cu M	0.39	0.56	0.55	0.78	0.74	10.28	
15	PCC Demolish work all complete	Cu M	0.67	0.94	0.79	1.19	1.26	17.15	

Note: The aforementioned quantity represents total amount of work needed to carry out the restoration works in the particular package

Not all the houses shall have demolition or reconstruction of floor PCC works

The bidder must calculate the workforce required to achieve the estimated quantity of works for each type of house.

The final price must include cost of required workforce and average cost of tools and formworks



Annex 2:Detail Quantity of Individual House and corresponding total of all the houses

Sealed Quotaion.: AG/SQ/03/2024

Total Number of households: 24

Package Number: 3

SN	Description	Unit	Quantity per unit					Total Quantity	Remarks
			1A	1B	2A	2B	Type 4		
	Total units of each housetype in Package 1		4	10	1	5	4	24	
	Total units of each housetype in Package 1 having PCC works		2	5	0	4	3	14	
1	Initial Site clearance work including collection of all construction debris, water, removal of bushes, tree and disposal to the designated place. Layout of plans properly on ground including all required tools, equipments, human resources and materials.	Sq M	12.00	17.00	12.00	16.00	19.00	386.00	
2	E/W Excavation - Earthwork in excavation for foundation in all kinds of soil upto the required depth and disposal of excavated materials upto 50m lead and 1.50m lift including dressing of sides, ramming the bottom as per drawing, specification and approval of site engineer including back filling of excavated parts as required.	Cu M	3.90	5.29	4.15	5.84	8.30	135.05	
3	Earthfilling with soil including compaction in layers of 150 mm with sprinkling water as per specification.	Cu M	1.17	1.59	1.25	1.75	2.49	40.52	
4	Stone Soling work - Providing and soling stone in true line and level including filling of voids by local sand all complete as per drawing, specification.	Sq M	0.40	1.01	1.03	0.63	2.00	23.88	
5	PCC work (1:1.5:3) - Plain Cement Concrete works for Reinforcement Cement Concrete (RCC) with ratio of 1:1.5:3 cement: sand: coarse aggregates including supplying, mixing, placing, compact and cure as per drawings, specification.	Cu M	0.67	0.96	0.33	1.19	0.80	21.76	
6	Reinforcement work - Supply, cut, fabricate, place and tie, Ribbed High Tensile Reinforcement steel bars (Fe 450) including black annealed binding wire, welding steel and concrete chair (based on need) and supports complete as per drawings and approval of engineer	Kg	336.00	486.00	350.00	398.00	637.00	11,092.00	
7	Formwork - Supply, fabricate, place and fix wooden formworks of any shape for RCC works including nails, staging/supports, labor, lead & lift at any height, removal and disposal as per specification.	Sq M	10.46	21.00	10.60	9.39	24.00	405.38	
8	Metal Steel Post installation - Vertical (3"X3" with 2.6 MM thickness)	Nos	3.00	1.00	2.00	3.00	1.00	43.00	
9	Vertical post connection with Steel Plates Size 2.5" x 12" with 5mm thickness (including nut, bolts and washer fixing)	Nos	40.00	48.00	34.00	40.00	62.00	1,122.00	
10	Black Japan paint painting work (Size of post - 3"X3" with height 8')	Ltrs	5.00	9.00	5.00	5.00	10.00	180.00	
11	Holes drilling for 4.75 mm reinforcement as specified by engineer	Nos	41.00	60.00	42.00	41.00	76.00	1,315.00	
12	Holes drilling for 12mm reinforcement as specified by engineer	Nos	91.00	136.00	95.00	104.00	172.00	3,027.00	
13	Finishing work - final site clearance work including collection of all raw material ce and disposal to the designated place	Sq M	12.00	17.00	12.00	16.00	19.00	386.00	
14	PCC work (1:3:6) - Plain Cement Concrete works with ratio of 1:3:6 cement: sand: coarse aggregates including supplying, mixing, placing, compact and cure as per drawings, specification.	Cu M	0.39	0.56	0.55	0.78	0.74	8.91	
15	PCC Demolish work all complete	Cu M	0.67	0.94	0.79	1.19	1.26	14.60	

Note: The afformentioned quantity represents total amount of work needed to carry out the restoration works in the particular package

Not all the houses shall have demolition or reconstruction of floor PCC works

The bidder must calculate the workforce required to achieve the estimated quantity of works for each type of house.

The final price must include cost of required workforce and average cost of tools and formworks

*R*



Annex 2:Detail Quantity of Individual House and corresponding total of all the houses

Sealed Quotation.: AG/SQ/03/2024

Total Number of households: 28

Package Number: 4

SN	Description	Unit	Quantity per unit					Total Quantity	Remarks
			1A	1B	2A	2B	Type 4		
	Total units of each housetype in Package 1		16	12	0	0	0	28	
	Total units of each housetype in Package 1 having PCC works		6	7	0	0	0	13	
1	Initial Site clearance work including collection of all construction debris, water, removal of bushes, tree and disposal to the designated place. Layout of plans properly on ground including all required tools, equipments, human resources and materials.	Sq M	12.00	17.00	12.00	16.00	19.00	396.00	
2	EW Excavation - Earthwork in excavation for foundation in all kinds of soil upto the required depth and disposal of excavated materials upto 50m lead and 1.50m lift including dressing of sides, ramming the bottom as per drawing, specification and approval of site engineer including back filling of excavated parts as required.	Cu M	3.90	5.29	4.15	5.84	8.30	125.88	
3	Earthfilling with soil including compaction in layers of 150 mm with sprinkling water as per specification.	Cu M	1.17	1.59	1.25	1.75	2.49	37.76	
4	Stone Soling work - Providing and soling stone in true line and level including filling of voids by local sand all complete as per drawing, specification.	Sq M	0.40	1.01	1.03	0.63	2.00	18.52	
5	PCC work (1:1.5:3) - Plain Cement Concrete works for Reinforcement Cement Concrete (RCC) with ratio of 1:1.5:3 cement: sand: coarse aggregates including supplying, mixing, placing, compact and cure as per drawings, specification.	Cu M	0.67	0.96	0.33	1.19	0.80	22.24	
6	Reinforcement work - Supply, cut, fabricate, place and tie, Ribbed High Tensile Reinforcement steel bars (Fe 450) including black annealed binding wire, welding steel and concrete chair (based on need) and supports complete as per drawings and approval of engineer	Kg	336.00	486.00	350.00	398.00	637.00	11,208.00	
7	Formwork - Supply, fabricate, place and fix wooden formworks of any shape for RCC works including nails, staging/supports, labor, lead & lift at any height, removal and disposal as per specification.	Sq M	10.46	21.00	10.60	9.39	24.00	419.33	
8	Metal Steel Post installation - Vertical (3"x3" with 2.6 MM thickness)	Nos	3.00	1.00	2.00	3.00	1.00	60.00	
9	Vertical post connection with Steel Plates Size 2.5" x 12" with 5mm thickness (Including nut, bolts and washer fixing)	Nos	40.00	48.00	34.00	40.00	62.00	1,216.00	
10	Black Japan paint painting work (Size of post - 3"x3" with height 8')	Ltrs	5.00	9.00	5.00	5.00	10.00	188.00	
11	Holes drilling for 4.75 mm reinforcement as specified by engineer	Nos	41.00	60.00	42.00	41.00	76.00	1,376.00	
12	Holes drilling for 12mm reinforcement as specified by engineer	Nos	91.00	136.00	95.00	104.00	172.00	3,088.00	
13	Finishing work - final site clearance work including collection of all raw material ce and disposal to the designated place	Sq M	12.00	17.00	12.00	16.00	19.00	396.00	
14	PCC work (1:3:6) - Plain Cement Concrete works with ratio of 1:3:6 cement: sand: coarse aggregates including supplying, mixing, placing, compact and cure as per drawings, specification.	Cu M	0.39	0.56	0.55	0.78	0.74	6.26	
15	PCC Demolish work all complete	Cu M	0.67	0.94	0.79	1.19	1.26	10.60	

Note: The afformentioned quantity represents total amount of work needed to carry out the restoration works in the particular package

Not all the houses shall have demolition or reconstruction of floor PCC works

The bidder must calculate the workforce required to achieve the estimated quantity of works for each type of house.

The final price must include cost of required workforce and average cost of tools and formworks



Annex 2:Detail Quantity of Individual House and corresponding total of all the houses  
 Sealed Quotaion.: AG/SQ/03/2024  
 Total Number of households: 26  
 Package Number: 5

SN	Description	Unit	Quantity per unit					Total Quantity	Remarks
			1A	1B	2A	2B	Type 4		
	Total units of each housetype in Package 1		8	13	1	1	3	26	
	Total units of each housetype in Package 1 having PCC works		6	10	0	1	2	19	
1	Initial Site clearance work including collection of all construction debris, water, removal of bushes, tree and disposal to the designated place. Layout of plans properly on ground including all required tools, equipments, human resources and materials.	Sq M	12.00	17.00	12.00	16.00	19.00	402.00	
2	EW Excavation - Earthwork in excavation for foundation in all kinds of soil upto the required depth and disposal of excavated materials upto 50m lead and 1.50m lift including dressing of sides, ramming the bottom as per drawing, specification and approval of site engineer including back filling of excavated parts as required.	Cu M	3.90	5.29	4.15	5.84	8.30	134.86	
3	Earthfilling with soil including compaction in layers of 150 mm with sprinkling water as per specification.	Cu M	1.17	1.59	1.25	1.75	2.49	40.46	
4	Stone Soling work - Providing and soling stone in true line and level including filling of voids by local sand all complete as per drawing, specification.	Sq M	0.40	1.01	1.03	0.63	2.00	23.99	
5	PCC work (1:1.5:3) - Plain Cement Concrete works for Reinforcement Cement Concrete (RCC) with ratio of 1:1.5:3 cement: sand: coarse aggregates including supplying, mixing, placing, compact and cure as per drawings, specification.	Cu M	0.67	0.96	0.33	1.19	0.80	21.76	
6	Reinforcement work - Supply, cut, fabricate, place and tie, Ribbed High Tensile Reinforcement steel bars (Fe 450) including black annealed binding wire, welding steel and concrete chair (based on need) and supports complete as per drawings and approval of engineer	Kg	336.00	486.00	350.00	398.00	637.00	11,665.00	
7	Formwork - Supply, fabricate, place and fix wooden formworks of any shape for RCC works including nails, staging/supports, labor, lead & lift at any height, removal and disposal as per specification.	Sq M	10.46	21.00	10.60	9.39	24.00	448.66	
8	Metal Steel Post installation - Vertical (3"x3" with 2.6 MM thickness)	Nos	3.00	1.00	2.00	3.00	1.00	45.00	
9	Vertical post connection with Steel Plates Size 2.5" x 12" with 5mm thickness (Including not, bolts and washer fixing)	Nos	40.00	48.00	34.00	40.00	62.00	1,204.00	
10	Black Japan paint painting work (Size of post - 3"x3" with height 8')	Ltrs	5.00	9.00	5.00	5.00	10.00	197.00	
11	Holes drilling for 4.75 mm reinforcement as specified by engineer	Nos	41.00	60.00	42.00	41.00	76.00	1,419.00	
12	Holes drilling for 12mm reinforcement as specified by engineer	Nos	91.00	136.00	95.00	104.00	172.00	3,211.00	
13	Finishing work - final site clearance work including collection of all raw material ce and disposal to the designated place	Sq M	12.00	17.00	12.00	16.00	19.00	402.00	
14	PCC work (1:3:6) - Plain Cement Concrete works with ratio of 1:3:6 cement: sand: coarse aggregates including supplying, mixing, placing, compact and cure as per drawings, specification.	Cu M	0.39	0.56	0.55	0.78	0.74	10.19	
15	PCC Demolish work all complete	Cu M	0.67	0.94	0.79	1.19	1.26	17.14	

Note: The afformentioned quantity represents total amount of work needed to carry out the restoration works in the particular package  
 Not all the houses shall have demolition or reconstruction of floor PCC works  
 The bidder must calculate the workforce required to achieve the estimated quantity of works for each type of house.  
 The final price must include cost of required workforce and average cost of tools and formworks



Annex 2:Detail Quantity of Individual House and corresponding total of all the houses

Sealed Quotaion.: AG/SQ/03/2024

Total Number of households: 20

Package Number: 6

SN	Description	Unit	Quantity per unit					Total Quantity	Remarks
			1A	1B	2A	2B	Type 4		
	Total units of each housetype in Package 1		12	7	0	0	1	20	
	Total units of each housetype in Package 1 having PCC works		3	1	0	0	1	5	
1	Initial Site clearance work including collection of all construction debris, water, removal of bushes, tree and disposal to the designated place. Layout of plans properly on ground including all required tools, equipments, human resourses and materials.	Sq M	12.00	17.00	12.00	16.00	19.00	282.00	
2	E/W Excavation - Earthwork in excavation for foundation in all kinds of soil upto the required depth and disposal of excavated materials upto 50m lead and 1.50m lift including dressing of sides, ramming the bottom as per drawing, specification and approval of site engineer including back filling of excavated parts as required.	Cu M	3.90	5.29	4.15	5.84	8.30	92.13	
3	Earthfilling with soil including compaction in layers of 150 mm with sprinkling water as per specification.	Cu M	1.17	1.59	1.25	1.75	2.49	27.64	
4	Stone Soling work - Providing and soling stone in true line and level including filling of voids by local sand all complete as per drawing, specification.	Sq M	0.40	1.01	1.03	0.63	2.00	13.87	
5	PCC work (1:1.5:3) - Plain Cement Concrete works for Reinforcement Cement Concrete (RCC) with ratio of 1:1.5:3 cement: sand: coarse aggregates including supplying, mixing, placing, compact and cure as per drawings, specification.	Cu M	0.67	0.96	0.33	1.19	0.80	15.56	
6	Reinforcement work - Supply, cut, fabricate, place and tie, Ribbed High Tensile Reinforcement steel bars (Fe 450) including black annealed binding wire, welding steel and concrete chair (based on need) and supports complete as per drawings and approval of engineer	Kg	336.00	486.00	350.00	398.00	637.00	8,071.00	
7	Formwork - Supply, fabricate, place and fix wooden formworks of any shape for RCC works including nails, staging/supports, labor, lead & lift at any height, removal and disposal as per specification.	Sq M	10.46	21.00	10.60	9.39	24.00	296.50	
8	Metal Steel Post installation - Vertical (3"X3" with 2.6 MM thickness)	Nos	3.00	1.00	2.00	3.00	1.00	44.00	
9	Vertical post connection with Steel Plates Size 2.5" x 12" with 5mm thickness (Including not, bolts and washer fixing)	Nos	40.00	48.00	34.00	40.00	62.00	878.00	
10	Black Japan paint painting work (Size of post - 3"X3" with height 8')	Ltrs	5.00	9.00	5.00	5.00	10.00	133.00	
11	Holes drilling for 4.75 mm reinforcement as specified by engineer	Nos	41.00	60.00	42.00	41.00	76.00	988.00	
12	Holes drilling for 12mm reinforcement as specified by engineer	Nos	91.00	136.00	95.00	104.00	172.00	2,216.00	
13	Finishing work - final site clearance work including collection of all raw material ce and disposal to the designated place	Sq M	12.00	17.00	12.00	16.00	19.00	282.00	
14	PCC work (1:3:6) - Plain Cement Concrete works with ratio of 1:3:6 cement: sand: coarse aggregates including supplying, mixing, placing, compact and cure as per drawings, specification.	Cu M	0.39	0.56	0.55	0.78	0.74	2.48	
15	PCC Demolish work all complete	Cu M	0.67	0.94	0.79	1.19	1.26	4.21	

Note: The afformentioned quantity represents total amount of work needed to carry out the restoration works in the particular package

Not all the houses shall have demolition or reconstruction of floor PCC works

The bidder must calculate the workforce required to achieve the estimated quantity of works for each type of house.

The final price must include cost of required workforce and average cost of tools and formworks





Annex 2:Detail Quantity of Individual House and corresponding total of all the houses

Sealed Quotaion.: AG/SQ/03/2024

Total Number of households: 23

Package Number: 7

SN	Description	Unit	Quantity per unit					Total Quantity	Remarks
			1A	1B	2A	2B	Type 4		
	Total units of each housetype in Package 1		13	9	0	0	1	23	
	Total units of each housetype in Package 1 having PCC works		7	4	0	0	0	11	
1	Initial Site clearance work including collection of all construction debris, water, removal of bushes, tree and disposal to the designated place. Layout of plans properly on ground including all required tools, equipments, human resources and materials.	Sq M	12.00	17.00	12.00	16.00	19.00	328.00	
2	E/W Excavation - Earthwork in excavation for foundation in all kinds of soil upto the required depth and disposal of excavated materials upto 50m lead and 1.50m lift including dressing of sides, ramming the bottom as per drawing, specification and approval of site engineer including back filling of excavated parts as required.	Cu M	3.90	5.29	4.15	5.84	8.30	106.61	
3	Earthfilling with soil including compaction in layers of 150 mm with sprinkling water as per specification.	Cu M	1.17	1.59	1.25	1.75	2.49	31.98	
4	Stone Soling work - Providing and soling stone in true line and level including filling of voids by local sand all complete as per drawing, specification.	Sq M	0.40	1.01	1.03	0.63	2.00	16.29	
5	PCC work (1:1.5:3) - Plain Cement Concrete works for Reinforcement Cement Concrete (RCC) with ratio of 1:1.5:3 cement: sand: coarse aggregates including supplying, mixing, placing, compact and cure as per drawings, specification.	Cu M	0.67	0.96	0.33	1.19	0.80	18.15	
6	Reinforcement work - Supply, cut, fabricate, place and tie, Ribbed High Tensile Reinforcement steel bars (Fe 450) including black annealed binding wire, welding steel and concrete chair (based on need) and supports complete as per drawings and approval of engineer	Kg	336.00	486.00	350.00	398.00	637.00	9,379.00	
7	Formwork - Supply, fabricate, place and fix wooden formworks of any shape for RCC works including nails, staging/supports, labor, lead & lift at any height, removal and disposal as per specification.	Sq M	10.46	21.00	10.60	9.39	24.00	348.96	
8	Metal Steel Post installation - Vertical (3"X3" with 2.6 MM thickness)	Nos	3.00	1.00	2.00	3.00	1.00	49.00	
9	Vertical post connection with Steel Plates Size 2.5" x 12" with 5mm thickness (Including not, bolts and washer fixing)	Nos	40.00	48.00	34.00	40.00	62.00	1,014.00	
10	Black Japan paint painting work (Size of post - 3"X3" with height 8')	Ltrs	5.00	9.00	5.00	5.00	10.00	156.00	
11	Holes drilling for 4.75 mm reinforcement as specified by engineer	Nos	41.00	60.00	42.00	41.00	76.00	1,149.00	
12	Holes drilling for 12mm reinforcement as specified by engineer	Nos	91.00	136.00	95.00	104.00	172.00	2,579.00	
13	Finishing work - final site clearance work including collection of all raw material ce and disposal to the designated place	Sq M	12.00	17.00	12.00	16.00	19.00	328.00	
14	PCC work (1:3:6) - Plain Cement Concrete works with ratio of 1:3:6 cement: sand: coarse aggregates including supplying, mixing, placing, compact and cure as per drawings, specification.	Cu M	0.39	0.56	0.55	0.78	0.74	4.99	
15	PCC Demolish work all complete	Cu M	0.67	0.94	0.79	1.19	1.26	8.45	

Note: The afformentioned quantity represents total amount of work needed to carry out the restoration works in the particular package

Not all the houses shall have demolition or reconstruction of floor PCC works

The bidder must calculate the workforce required to achieve the estimated quantity of works for each type of house.

The final price must include cost of required workforce and average cost of tools and formworks



Annex 2: Detail Quantity of Individual House and corresponding total of all the houses  
 Sealed Quotation: AG/SQ/03/2024  
 Total Number of households: 28  
 Package Number: 8

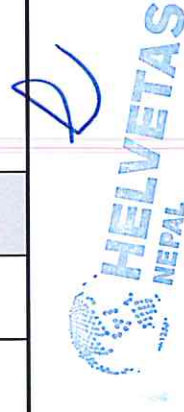
SN	Description	Unit	Quantity per unit (Full)					Quantity per unit (Partial)					Total Quantity	Remarks
			1A	1B	2A	2B	Type 4	1A	1B	2A	2B	Type 4		
	<b>Total units of each housetype in Package 1</b>		2	7	1	6	2	0	8	0	1	1	28	
	<b>Total units of each housetype in Package 1 having PCC works</b>		1	5	1	3	1	0	5	0	1	0	17	
1	Initial Site clearance work including collection of all construction debris, water, removal of bushes, tree and disposal to the designated place. Layout of plans properly on ground including all required tools, equipments, human resources and materials.	Sq M	12.00	17.00	12.00	16.00	19.00	6.45	8.40	6.30	8.25	9.60	330.00	
2	E/W Excavation - Earthwork in excavation for foundation in all kinds of soil upto the required depth and disposal of excavated materials upto 50m lead and 1.50m lift including dressing of sides, ramming the bottom as per drawing, specification and approval of site engineer including back filling of excavated parts as required.	Cu M	3.90	5.29	4.15	5.84	8.30	1.94	2.52	1.89	2.48	2.88	165.67	
3	Earthfilling with soil including compaction in layers of 150 mm with sprinkling water as per specification	Cu M	1.17	1.59	1.25	1.75	2.49	1.13	1.47	1.10	1.44	1.68	55.70	
4	Stone Soling work - Providing and soling stone in true line and level including filling of voids by local sand all complete as per drawing, specification	Sq M	0.40	1.01	1.03	0.63	2.00	6.45	8.40	6.30	8.25	9.60	31.56	
5	PCC work (1:1.5:3) - Plain Cement Concrete works for Reinforcement Cement Concrete (RCC) with ratio of 1:1.5:3 cement: sand: coarse aggregates including supplying, mixing, placing, compact and cure as per drawings, specification	Cu M	0.67	0.96	0.33	1.19	0.80	0.75	0.85	0.68	0.91	0.95	102.18	
6	Reinforcement work - Supply, cut, fabricate, place and tie, Ribbed High Tensile Reinforcement steel bars (Fe 450) including black annealed binding wire, welding steel and concrete chair (based on need) and supports complete as per drawings and approval of engineer	Kg	335.00	486.00	350.00	398.00	637.00	143.00	193.00	139.00	180.00	209.00	8,094.67	
7	Formwork - Supply, fabricate, place and fix wooden formworks of any shape for RCC works including nails, staging/supports, labor, lead & lift at any height, removal and disposal as per specification	Sq M	10.46	21.00	10.60	9.39	24.00	10.01	6.44	4.83	6.33	7.36	2,215.85	
8	Metal Steel Post Installation - Vertical (3"x3" with 2.6 MM thickness)	Nos	3.00	1.00	2.00	3.00	1.00	3.00	1.00	2.00	3.00	1.00	100.21	
9	Vertical post connection with Steel Plates Size 2.5' x 12" with 5mm thickness (including not, bolts and washer fixing)	Nos	40.00	48.00	34.00	40.00	62.00	18.00	26.00	18.00	20.00	28.00	825.00	
10	Black Japan paint painting work (Size of post - 3"x3" with height 8')	Lts	5.00	9.00	5.00	5.00	10.00	5.00	9.00	5.00	5.00	10.00	384.00	
11	Holes drilling for 4.75 mm reinforcement as specified by engineer	Nos	41.00	60.00	42.00	41.00	76.00	37.00	48.00	36.00	47.00	54.00	1,029.00	
12	Holes drilling for 12mm reinforcement as specified by engineer	Nos	91.00	135.00	95.00	104.00	172.00	18.00	26.00	36.00	20.00	28.00	2,682.00	
13	Finishing work - final site clearance work including collection of all raw material ce and disposal to the designated place	Sq M	12.00	17.00	12.00	16.00	19.00	6.45	8.40	6.30	8.25	9.60	545.00	
14	PCC work (1:3:6) - Plain Cement Concrete works with ratio of 1:3:6 cement: sand: coarse aggregates including supplying, mixing, placing, compact and cure as per drawings, specification	Cu M	0.39	0.56	0.55	0.78	0.74	0.16	0.10	0.12	0.19	0.11	96.44	
15	PCC Demolish work all complete	Cu M	0.67	0.94	0.79	1.19	1.26	0.16	0.10	0.12	0.19	0.11	19.54	

Note: The aforementioned quantity represents total amount of work needed to carry out the restoration works in the particular package  
 Not all the houses shall have demolition or reconstruction of floor PCC works  
 The bidder must calculate the workforce required to achieve the estimated quantity of works for each type of house.  
 The final price must include cost of required workforce and average cost of tools and formworks



**ANNEX 3: WORK SCHEDULE SAMPLE ALONG WITH POTENTIAL WORKFORCE MOBILIZATION IN A SINGLE SITE**  
**DATE: 2/5/2024**  
**SEAL QUOTATION NUMBER:AG/ISQ/03/2024**

S.N.		Description of the Work	House Type 1B							Remarks			
			Number of days										
			Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	
1		Initial Site clearance work including collection of all construction debris, water, removal of bushes, tree and disposal to the designated place. Layout of plans properly on ground including all required tools, equipments, human resources and materials.											
2		E/W Excavation - Earthwork in excavation for foundation in all kinds of soil upto the required depth and disposal of excavated materials upto 50m lead and 1.50m lift including dressing of sides, ramming the bottom as per drawing, specification and approval of site engineer including back filling of excavated parts as required.											
3		Earthfilling with soil including compaction in layers of 150 mm with sprinkling water as per specification.											
4		Stone Soling work - Providing and soling stone in true line and level including filling of voids by local sand all complete as per drawing, specification.											
5		PCC work (1:1.5:3) - Plain Cement Concrete works for Reinforcement Cement Concrete (RCC) with ratio of 1:1.5:3 cement: sand: coarse aggregates including supplying, mixing, placing, compact and cure as per drawings, specification.											
6		Reinforcement work - Supply, cut, fabricate, place and tie, Ribbed High Tensile Reinforcement steel bars (Fe 450) including black annealed binding wire, welding steel and concrete chair (based on need) and supports complete as per drawings and approval of engineer											
7		Formwork - Supply, fabricate, place and fix wooden formworks of any shape for RCC works including nails, staging/supports, labor, lead & lift at any height, removal and disposal as per specification.											
8		Metal Steel Post installation - Vertical (3"X3" with 2.6 MM thickness)											
9		Vertical post connection with Steel Plates Size 2.5" x 12" with 5mm thickness (including nut, bolts and washer fixing)											
10		Black Japan paint painting work (Size of post - 3"X3" with height 8')											
11		Holes drilling for 4.75 mm reinforcement as specified by engineer											
12		Holes drilling for 12mm reinforcement as specified by engineer											
13		Finishing work - final site clearance work including collection of all raw material and disposal to the designated place											



**ANNEX 3:WORK SCHEDULE SAMPLE ALONG WITH POTENTIAL WORKFORCE MOBILIZATION IN A SINGLE SITE**

DATE: 2/5/2024

SEAL QUOTATION NUMBER:AG/SQ/03/2024

Type of house - 1B						
S.No.	Date	Type of workforce	No of workforce per day	Time	Working Hour (WH)	Total WH
1	First Day	Skilled workforce	2	9am -5pm	8	16
		Unskilled workforce	2	9am -5pm	8	16
2	Second Day	Skilled workforce	2	9am -5pm	8	16
		Unskilled workforce	2	9am -5pm	8	16
3	Third Day	Skilled workforce	2	9am -5pm	8	16
		Unskilled workforce	2	9am -5pm	8	16
4	Fourth Day	Skilled workforce	2	9am -5pm	8	16
		Unskilled workforce	2	9am -5pm	8	16
5	Fifth Day	Skilled workforce	1	9am -5pm	8	8
		Unskilled workforce	2	9am -5pm	8	16
6	Sixth Day	Skilled workforce	2	9am -5pm	8	16
		Unskilled workforce	3	9am -5pm	8	24
7	Seventh Day	Skilled workforce	1	9am -5pm	8	8
		Unskilled workforce	2	9am -5pm	8	16
8	Eighth Day	Skilled workforce	2	9am -5pm	8	16
		Unskilled workforce	3	9am -5pm	8	24
9	Ninth Day	Skilled workforce	1	9am -5pm	8	8
		Unskilled workforce	2	9am -5pm	8	16
10	Tenth Day	Skilled workforce	1	9am -5pm	8	8
		Unskilled workforce	1	9am -5pm	8	8

*R*



**ANNEX 4: Construction tools used in restoration process in each house**

**Project Document: Detail tools used in restoration houses**

**Sealed Quotaiton.: AG/SQ/03/2024**

**Average Number of households ine each package: 25**

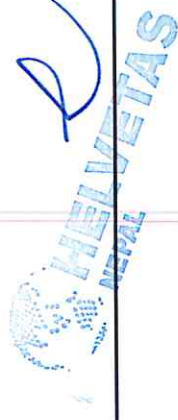
SN	Description of material required	Unit	Quantity Required	Remarks
1	Pik with handle	Nos	2	
2	Hoe (Khanti) foruwa	Nos	2	
3	Shovel	Nos	2	
4	Drilling Machine (750 watt above)	Nos	1	
5	Drill bit 12mm	Nos	2	
6	Concrete drill bit (15 cm)	Nos	2	
7	Dye 12mm	Nos	2	
8	Dye 7mm	Nos	1	
9	Dye 4.75mm	Nos	1	
10	Measuring tape 5m	Nos	1	
11	Measuring tape 30m	Nos	1	
12	Trowel (Medium)	Nos	2	
13	Head Pan (Karai)	Nos	3	
14	Plumb Bob	Nos	1	
15	Crow Bar	Nos	1	
16	Hammer 2Kg	Nos	1	
17	Stone Dressing Chisel (6 line )	Nos	1	
18	Flat Chisel 12mm	Nos	1	
19	Hammer 5Kg	Nos	1	
20	wrench as per nut-bolt	Nos	2	
21	Claw hammer	Nos	2	
22	mason thread	Nos	1	
23	Level pipe (5m)	Nos	1	
24	Sprit level	Nos	1	
25	Grinding machine	Nos	1	
26	Grinder Cutter (Steel Cutter )	Nos	4	
27	Plairs/Pilas	Nos	1	
28	Saw	Nos	1	
29	CGI for concrete mixing	Nos	2	
30	Thunse	Nos	2	
31	Wire brush	Nos	2	
32	Bucket	Nos	1	
33	Formwork	Sq ft	100	

*Note: The above tools are the list of construction tools required for restoration of a typical house  
Whilst starting multiple sites simultaneously the tools can be shared within the nearby houses  
A typical formork can be used 4/5 times depending upon the damage incurred*



**TECHNICAL SOLUTION FOR STRENGTHENING  
SMM HOUSES WITH TIMBER BANDS AT  
SINDUPALCHOWK DISTRICT**

**Helambu, Sindhupalchowk**



## TABLE OF CONTENTS

SHEET 1: Ground Floor Plan (Type 1A)

SHEET 2: Elevations (Type 1A)

SHEET 3: Type 1: Rectification for damaged plinth band

SHEET 4: Type 2: Rectification for damaged plinth band and vertical post base

SHEET 5: Type 3: Addition of GI wire mesh on both sides of the wall (If plinth, sill and lintel band are damaged)

SHEET 6: Type 4: Replacing outer vertical post steel post (If outer vertical posts are damaged)

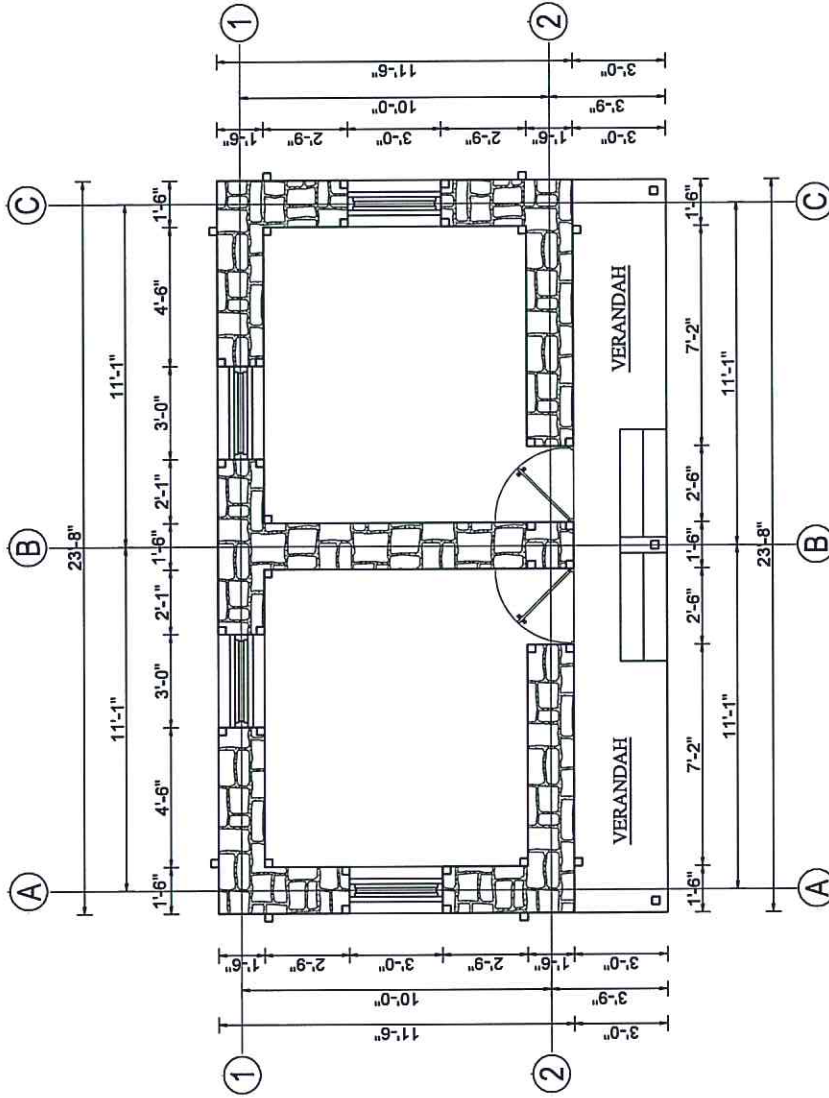
SHEET 7: Type 5: Addition of new timber cut piece (Localized failure of sill, lintel and roof band)

SHEET 8: Type 6: Applying 12 gauge wire mesh in pier (If the pier length is less than 600mm)

SHEET 9: Type 7: Connection improvement

<b>CLIENT:</b>	<b>CONSULTANT:</b>	<b>PROJECT NAME:</b>	<b>SCALE:</b>	<b>CONSULTANT:</b>	<b>CLIENT:</b>	<b>DRAWING TITLE:</b>	<b>SHEET NO.:</b>
	Er. Sandeep Men Shakya Email: sandeep038@gmail.com Phone: +977-9801307522	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	1/4"=1'-0"	Designed and Drawn by: Signature: _____ Checked by: Signature: _____	Checked by: Signature: _____ Recommended by: Signature: _____	TYPICAL FLOOR PLAN	ST S-00
			Date: AUG, 2022	Signature: Approved by: Signature: _____	Signature: Approved by: Signature: _____	HELAMBU, SINDHUPALCHOWK	



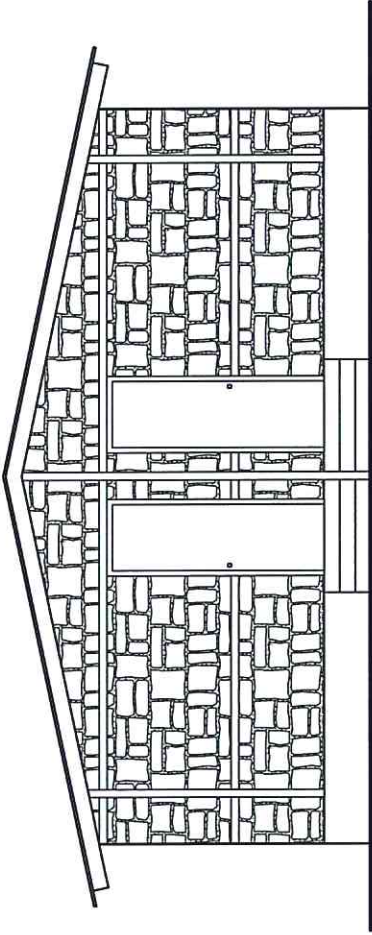


**GROUND FLOOR PLAN**  
 AREA: 272.17 SQ. FT.

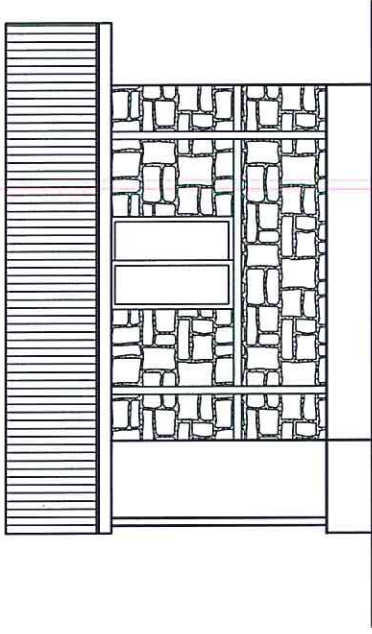
<b>CLIENT:</b>	<b>CONSULTANT:</b>	<b>PROJECT NAME:</b>	<b>SCALE:</b>	<b>CONSULTANT:</b>	<b>CLIENT:</b>	<b>DRAWING TITLE:</b>	<b>SHEET NO.:</b>
	Er. Sandeep Man Shakya Email: sandieo38@gmail.com Phone: +977-9801307522	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	1/8" = 1'-0"	Designed and Drawn by: Signature: Checked by: Signature:	Checked by: Signature: Recommended by: Signature:	GROUND FLOOR PLAN (TYPE 1A)	ST S-01
			Date: AUG, 2022	Signature: Approved by: Signature:	Signature: Approved by: Signature:	HELAMBU, SINDHUPALCHOWK	
							NEC No.



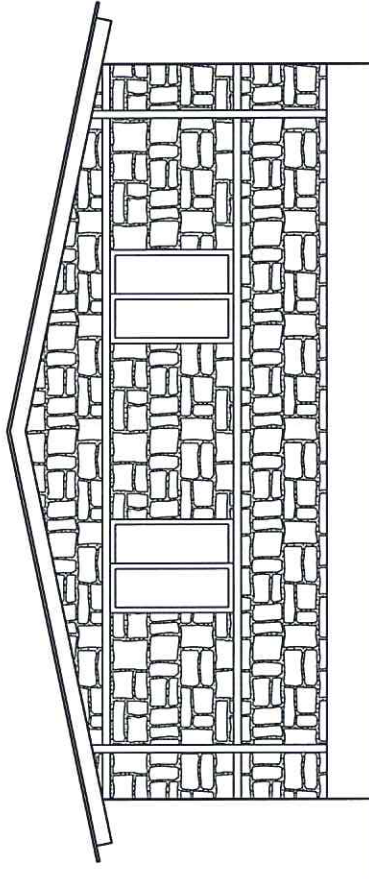




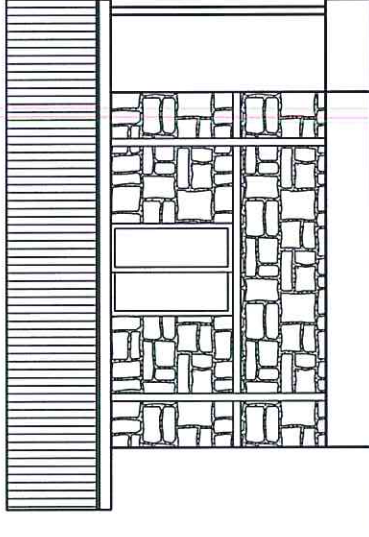
FRONT ELEVATION



SIDE ELEVATION



BACK ELEVATION

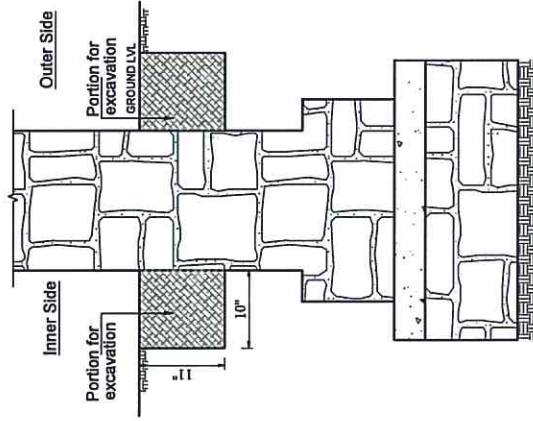


SIDE ELEVATION

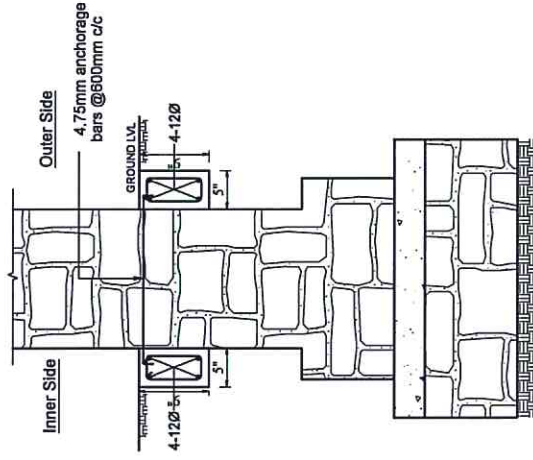
CLIENT:	CONSULTANT:	PROJECT NAME:	SCALE:	CONSULTANT:		CLIENT:	DRAWING TITLE:	SHEET NO:		
				Designed and Drawn by:	Checked by:				ELEVATIONS (TYPE 1A)	ST
Er. Sandeep Man Shakya Email: sandiepo38@gmail.com Phone: +977-9801307522	Er. Sandeep Man Shakya Email: sandiepo38@gmail.com Phone: +977-9801307522	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	1/4"=1'-0"	Signature:	Checked by:	Signature:	Signature:	Signature:		
				Checked by:	Recommended by:				Signature:	Signature:
				Signature:	Approved by:					
			Date: AUG, 2022				HELAMBU, SINDHUPALCHOWK	S-02		



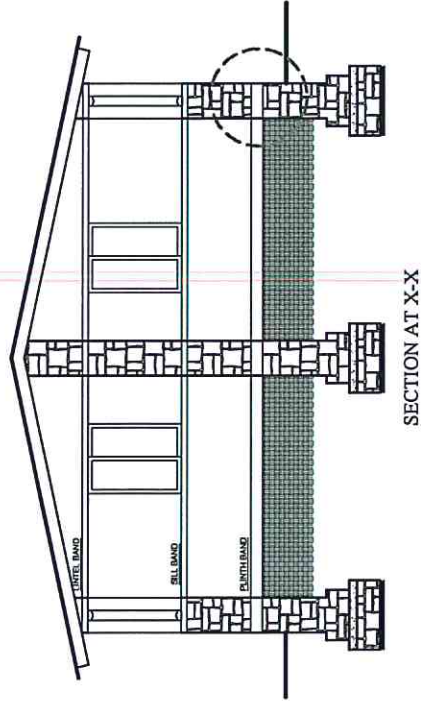
# Type 1: Rectification for damaged plinth band



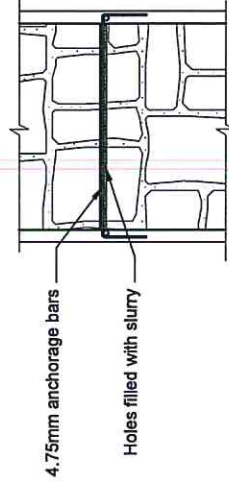
SECTION SHOWING THE PORTION TO BE EXCAVATED FOR TIE BEAM



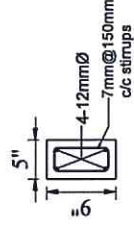
SECTION VIEW AT FOUNDATION



SECTION AT X-X



ANCHORAGE BAR DETAIL



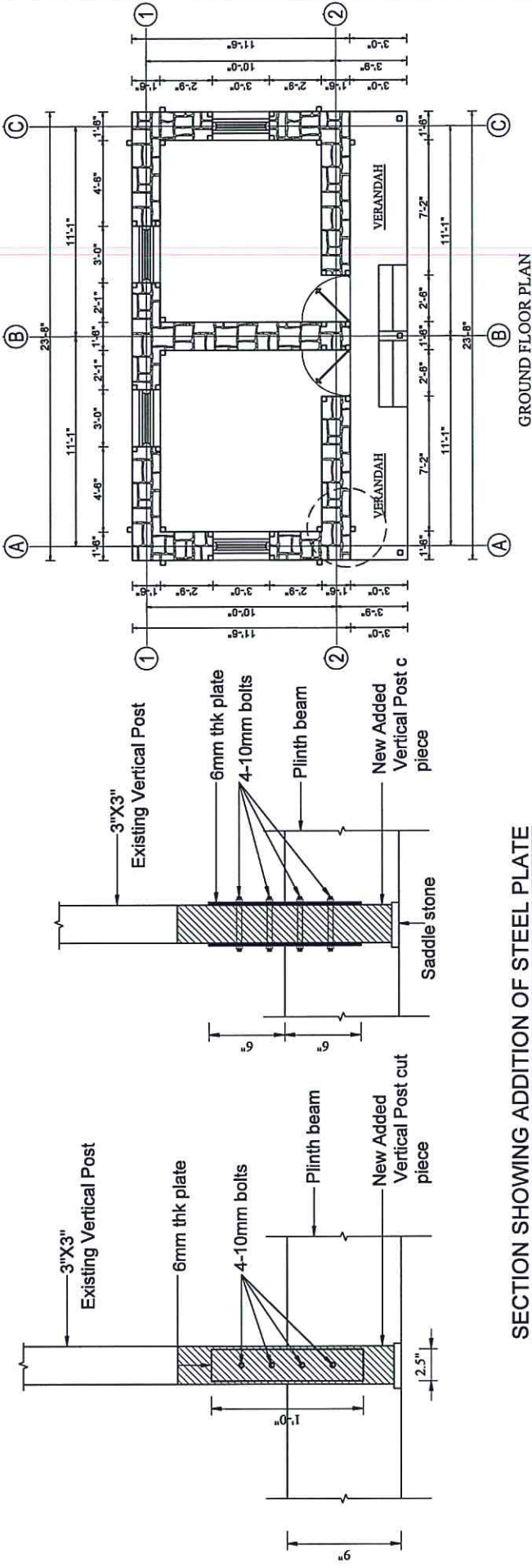
SECTION OF PLINTH BEAM

- Removal of existing timber Plinth Band
- Replacing timber Band portion by cement, sand, and aggregate mixture
- Addition of reinforced Plinth Band on both sides of the wall
- Application of black japan or oil based paints to the bands
- Resting the existing timber on the bands by using steel plates

CLIENT:	PROJECT NAME:	CONSULTANT:	SCALE:	CONSULTANT:	CLIENT:	DRAWING TITLE:	SHEET NO.:
	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	Er. Sandeep Man Shakya Email: sandiepo38@gmail.com Phone: +977-9801307522	1/4"=1'-0" 1/8"=1'-0"	Designed and Drawn by: Signature: Checked by: Signature: Date: AUG, 2022	Checked by: Signature: Recommended by: Signature: Approved by: Signature:	TYPE 1	ST S-03
				Signature: Approved by: Signature:	Signature: Approved by: Signature:	HELAMBU, SINDHUPALCHOWK	



# Type 2: Rectification for damaged plinth band and vertical post base



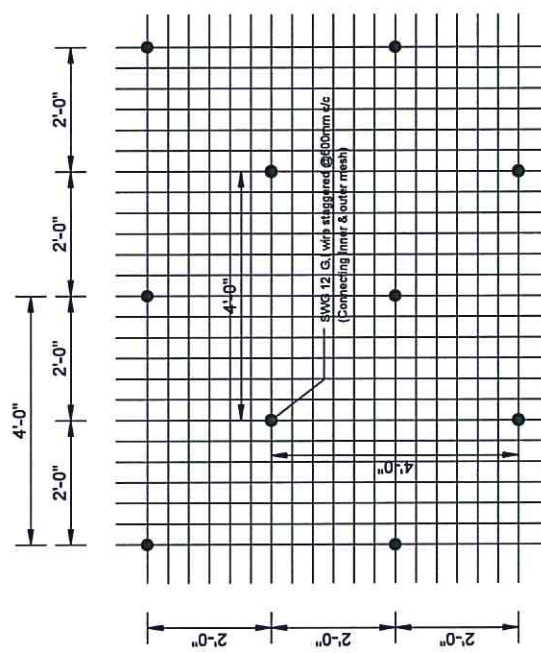
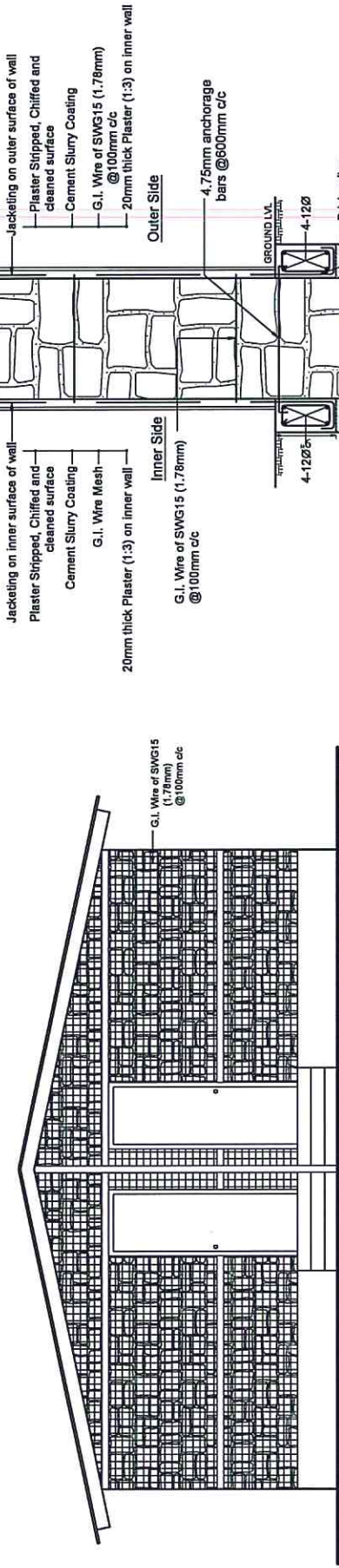
SECTION SHOWING ADDITION OF STEEL PLATE

- Removal of existing timber Plinth Band
- Replacing timber Band portion by cement, sand, and aggregate mixture
- Addition of reinforced Plinth Band on both sides of the wall
- Application of black japan or oil based paints to the bands
- Adding a cut piece of timber pieces; ensuring the existing timber rests on the bands by using steel plates

CLIENT:	CONSULTANT:	PROJECT NAME:	SCALE:	CONSULTANT:	CLIENT:	DRAWING TITLE:	SHEET NO:
Er. Sandeep Man Shakya Email: sandeep038@gmail.com Phone: +977-9801307522	Designed and Drawn by: Signature: Checked by: Signature:	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	1"=1'-0" 1"=1'-0"	Signature: Checked by: Signature: Approved by: Signature:	Checked by: Signature: Recommended by: Signature: Approved by: Signature:	TYPE 2	ST S-04
	Date: AUG, 2022					HELAMBU, SINDHUPALCHOWK	



# Type 3: Addition of GI wiremesh on both sides of the wall (If plinth, sill and lintel band are damaged)

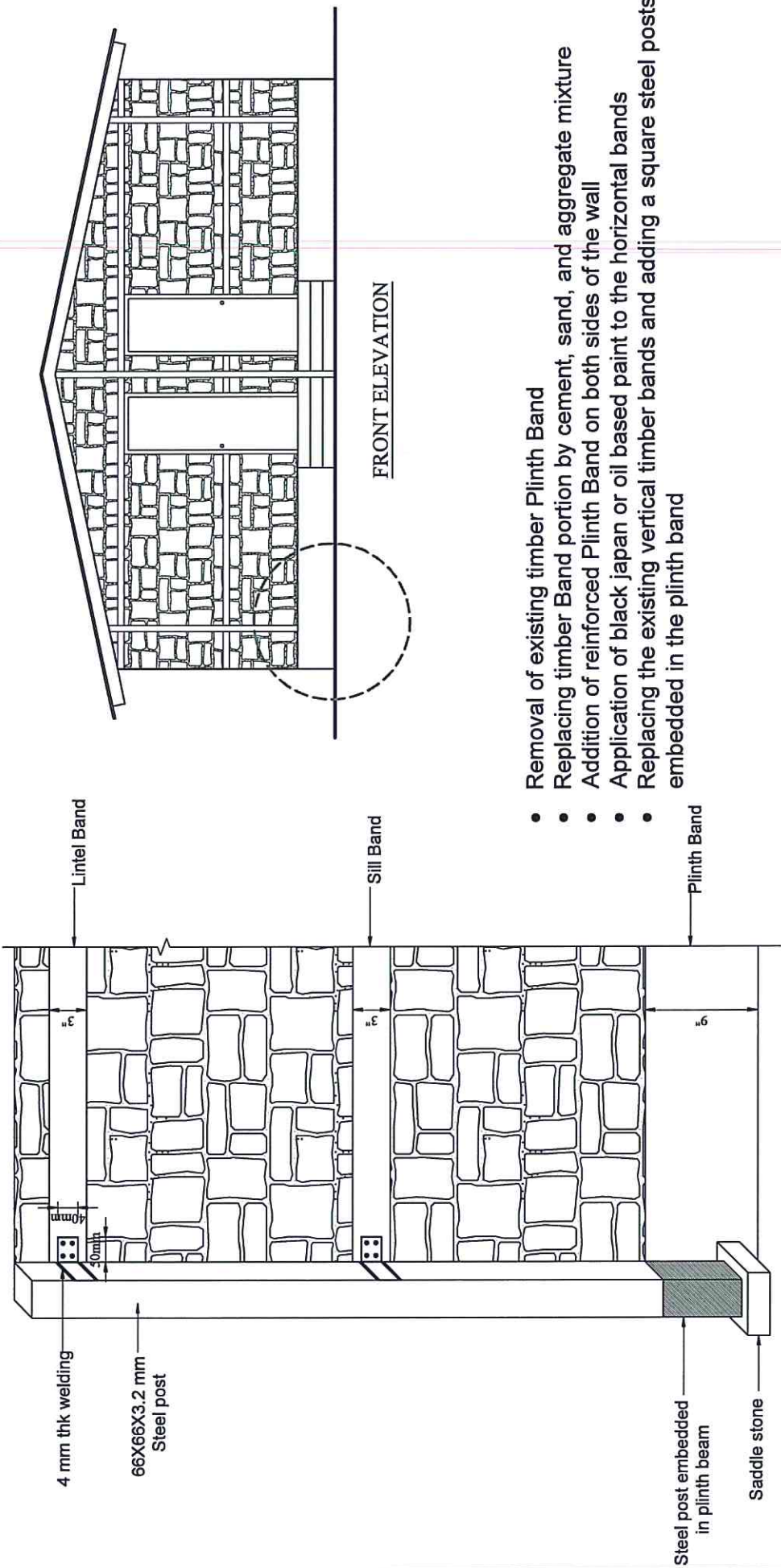


- Removal of existing timber Plinth Band
- Replacing timber Band portion by cement, sand, and aggregate mixture
- Addition of reinforced Plinth Band on both sides of the wall
- Application of black japan or oil based paint to the bands
- Adding a cut piece of timber pieces in place of damaged one
- Addition of 15G wiremesh on both sides of the walls

CLIENT:	CONSULTANT:		SCALE:		CONSULTANT:		CLIENT:		DRAWING TITLE:		SHEET NO.:		
	Er. Sandeep Man Shakya Email: sandeep038@gmail.com Phone: +977-9801307522		Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District		1/4"=1'-0", 1/8"=1'-0"		Designed and Drawn by: Checked by:		Checked by: Recommended by:		TYPE 3		ST S-05
				Date: AUG, 2022		Signatures: Approved by:		Signatures: Approved by:		HELAMBU, SINDHUPALCHOWK		NEPAL	



# Type 4: Replacing outer vertical post with 66X66X3.2 mm steel post (If outer vertical posts are damaged)

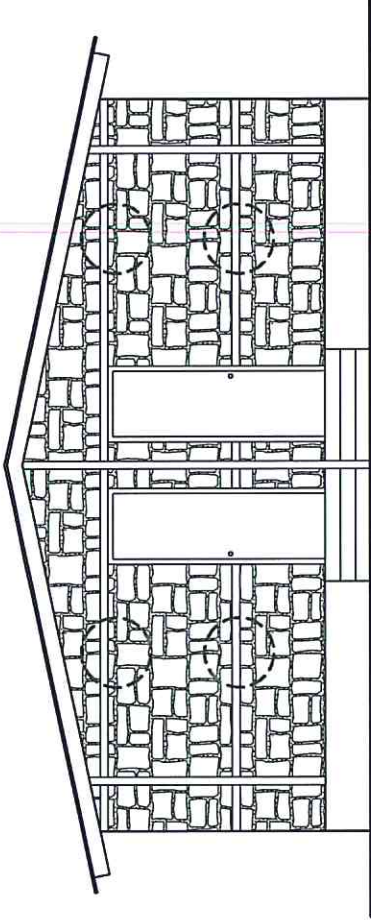
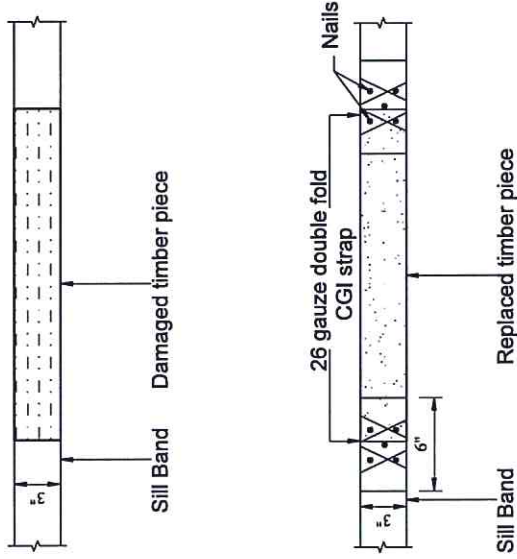


- Removal of existing timber Plinth Band
- Replacing timber Band portion by cement, sand, and aggregate mixture
- Addition of reinforced Plinth Band on both sides of the wall
- Application of black japan or oil based paint to the horizontal bands
- Replacing the existing vertical timber bands and adding a square steel posts embedded in the plinth band

<b>CLIENT:</b>	<b>CONSULTANT:</b>	<b>PROJECT NAME:</b>	<b>SCALE:</b>	<b>CONSULTANT:</b>	<b>CLIENT:</b>	<b>DRAWING TITLE:</b>	<b>SHEET NO.:</b>
	Er. Sandeep Man Shakya Email: sandiepo38@gmail.com Phone: +977-9801307522	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	1/20=1'-0" 1/4=1'-0"	Designed and Drawn by: Signature: Checked by: Signature: Date: AUG, 2022	Checked by: Signature: Recommended by: Signature: Approved by: Signature: NEC No.	TYPE 4	ST S-06
						HELAMBU, SINDHUPALCHOWK	



# Type 5: Addition of new timber cut piece (Localized failure of sill, lintel and roof band)



FRONT ELEVATION

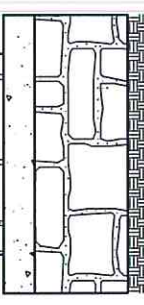
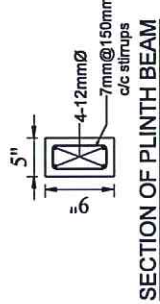
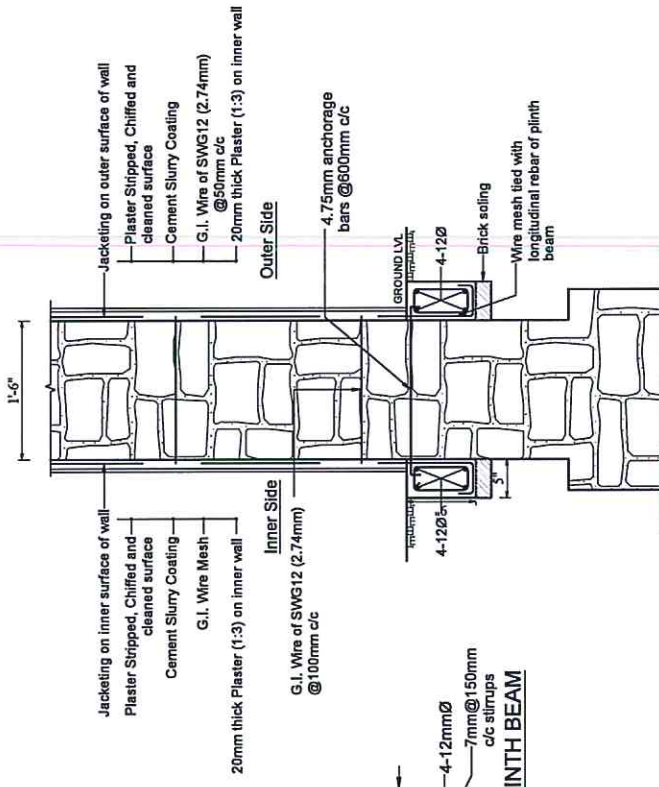
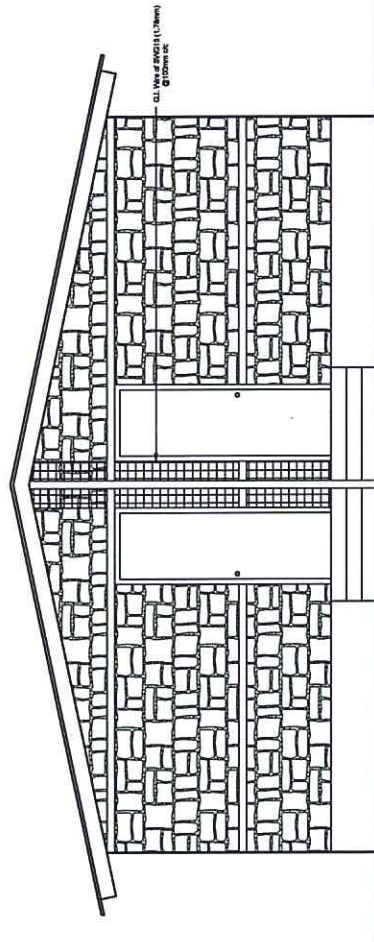
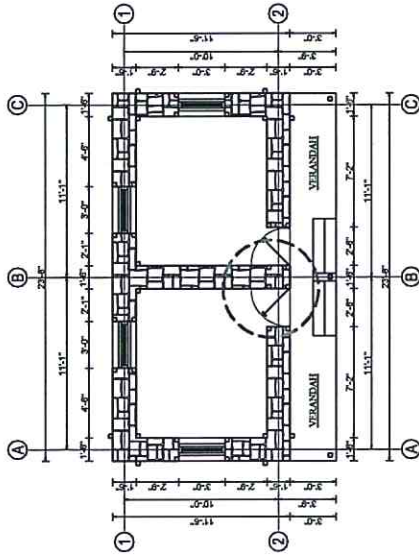
- Removal of damaged timber portion
- Addition of a new cut piece
- Connecting new and old timber pieces by a GI strap and nails

NOTE: APPLY TWO COATS OF BLACK JAPAN OR OIL BASED PAINT ON EXPOSED TIMBER BANDS

CLIENT:	CONSULTANT:	PROJECT NAME:	SCALE:	CONSULTANT:	CLIENT:	DRAWING TITLE:	SHEET NO.:
	Er. Sandeep Man Shukya Email: sandiepo28@gmail.com Phone: +977-9801307522	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	1/4" = 1'-0", 1/8" = 1'-0"	Designed and Drawn by: Signature: Checked by: Signature:	Checked by: Signature: Recommended by: Signature:	TYPE 5	ST
			Date: AUG, 2022	Signature: Approved by: Signature:	Signature: Approved by: Signature:	HELAMBU, SINDHUPALCHOWK	S-07



# Type 6: Applying 12 gauge wiremesh in pier (If the pier length is less than 600mm)



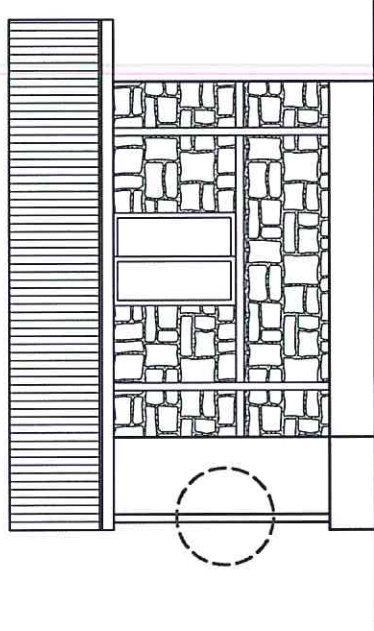
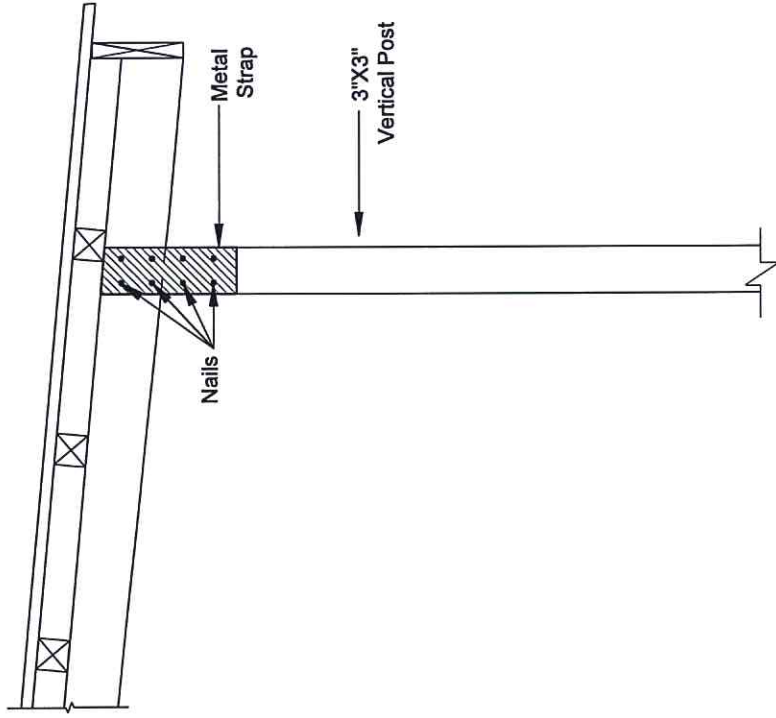
SECTION VIEW AT JACKETING

- Addition of reinforced Plinth Band on both sides of the wall
- Application of black japan or oil based paint to the bands
- Addition of 12G wire mesh at 50mm c/c connected at plinth band and folded across the roof band

CLIENT:	CONSULTANT:	PROJECT NAME:	SCALE:	CONSULTANT:	CLIENT:	DRAWING TITLE:	SHEET NO.:
Er. Sandeep Man Shakya Email: sandeep038@gmail.com Phone: +977-9801307522	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	1/4"=1'-0" 1/2"=1'-0"	Designed and Drawn by: Signature: Checked by: Signature:	Checked by: Signature: Recommended by: Signature: Approved by: Signature:	TYPE 6	ST S-08	
			Date: AUG, 2022			HELAMBU, SINDHUPALCHOWK	



# Type 7: Connection improvement



SIDE ELEVATION

- Connecting two timber bands by a GI strap and providing adequate nailings
- Application of black japan or oil based paint to the bands

CLIENT:	CONSULTANT:	PROJECT NAME:	SCALE:	CONSULTANT:	CLIENT:	DRAWING TITLE:	SHEET NO.:
	Er. Sandeep Man Shakya Email: sandeep038@gmail.com Phone: +977-9801307522	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	1/4"=1'-0", 1"=1'-0"	Designed and Drawn by: Signature: Checked by: Signature:	Checked by: Signature: Recommended by: Signature: Approved by: Signature:	TYPE 7	ST S-09
			Date: AUG, 2022	Signature: Approved by: Signature: Signature:		HELAMBU, SINDHUPALCHOWK	





**TECHNICAL SOLUTION FOR STRENGTHENING  
SMM HOUSES WITH TIMBER BANDS AT  
SINDUPALCHOWK DISTRICT**

**Helambu, Sindhupalchowk**



## TABLE OF CONTENTS

SHEET 1: Ground Floor Plan (Type 1B)

SHEET 2: Elevations (Type 1B)

SHEET 3: Type 1: Rectification for damaged plinth band

SHEET 4: Type 2: Rectification for damaged plinth band and vertical post base

SHEET 5: Type 3: Addition of GI wire mesh on both sides of the wall (If plinth, sill and lintel band are damaged)

SHEET 6: Type 4: Replacing outer vertical post steel post (If outer vertical posts are damaged)

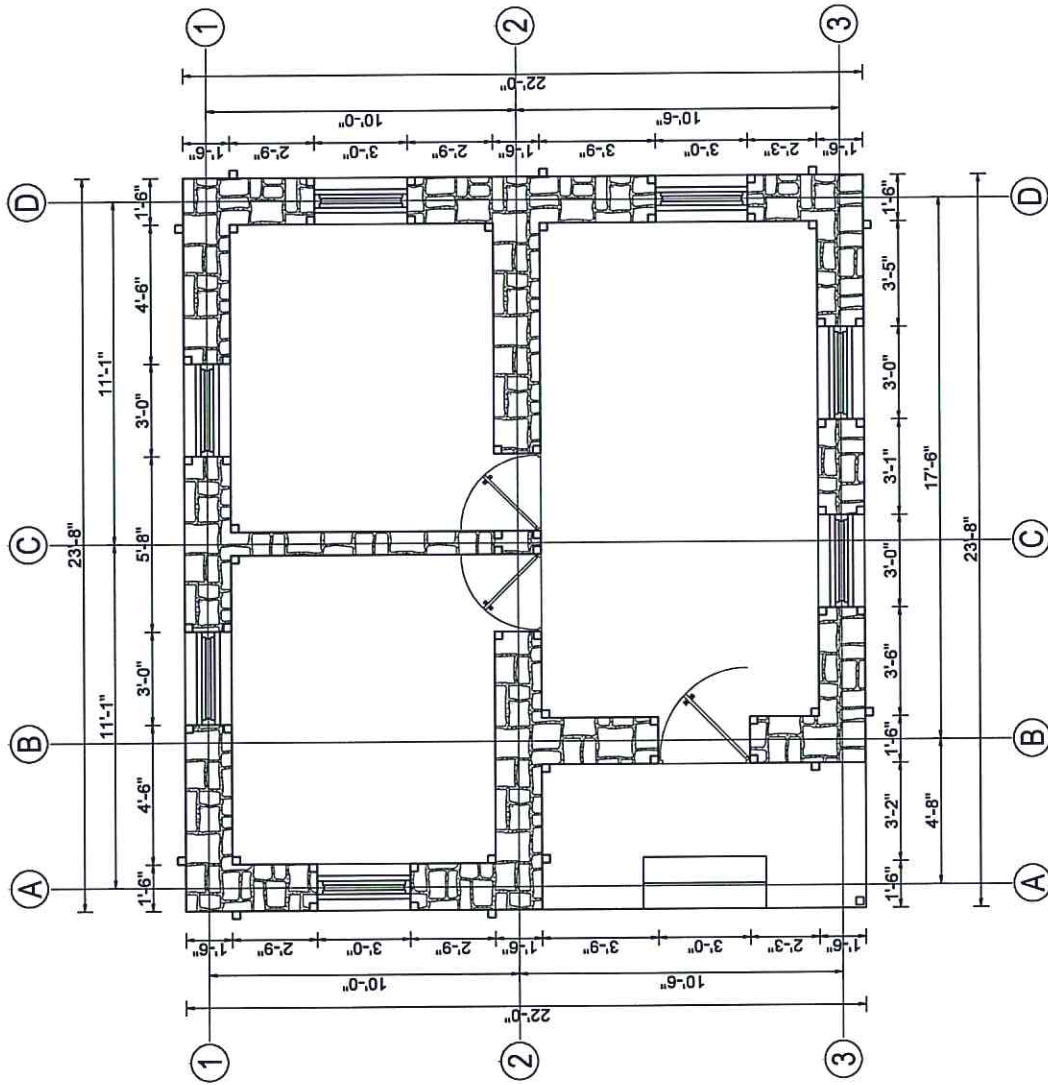
SHEET 7: Type 5: Addition of new timber cut piece (Localized failure of sill, lintel and roof band)

SHEET 8: Type 6: Applying 12 gauge wire mesh in pier (If the pier length is less than 600mm)

SHEET 9: Type 7: Connection improvement

<b>CLIENT:</b>	<b>CONSULTANT:</b>	<b>PROJECT NAME:</b>	<b>SCALE:</b>	<b>CONSULTANT:</b>	<b>CLIENT:</b>	<b>DRAWING TITLE:</b>	<b>SHEET NO.:</b>
Helvetas Nepal	Dr. Sandeep Man Shakya Email: sandeep098@helvetas.com Phone: +977-9801307522	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	1/2"=1'-0"	Designed and Drawn by: Signature: _____ Checked by: Signature: _____	Checked by: Signature: _____ Recommended by: Signature: _____	TYPICAL FLOOR PLAN	ST S-00
			Date: AUG, 2022	Signature: Approved by: Signature: _____	Signature: Approved by: Signature: _____	HELAMBU, SINDHUPALCHOWK	
				Signature: Approved by: Signature: _____	Signature: Approved by: Signature: _____		

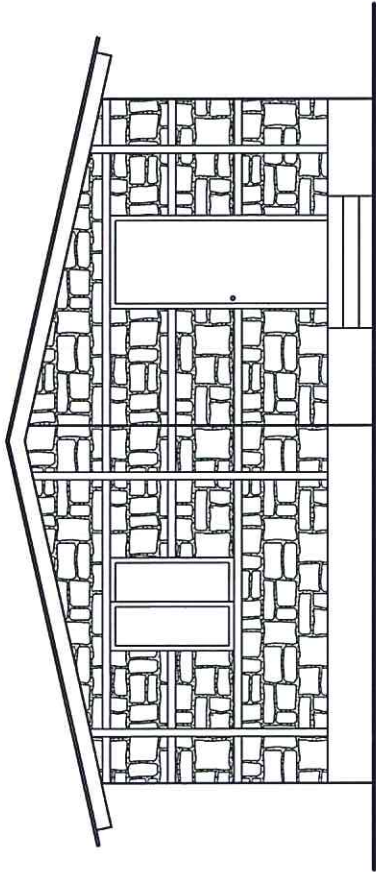




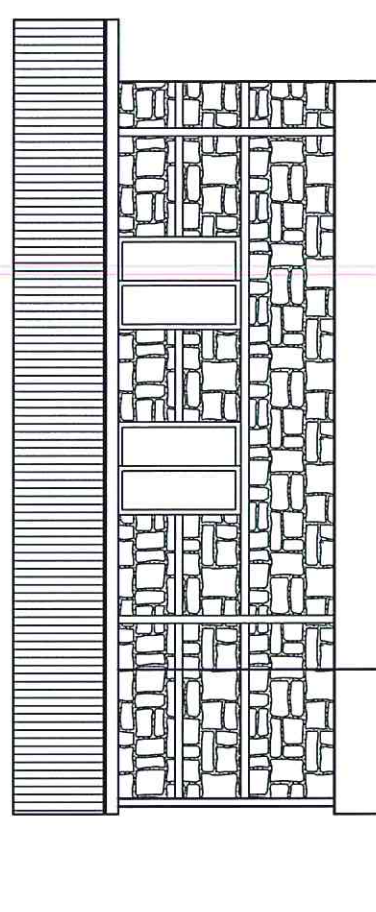
**GROUND FLOOR PLAN**  
 AREA: 471.67 SQ.FT

CLIENT:	Helvetas Nepal	CONSULTANT:	Er. Sandeep Man Shakya Email: sandeep038@gmail.com Phone: +977-9801307522	PROJECT NAME:	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	SCALE:	1/4"=1'-0"	CONSULTANT:	Designed and Drawn by: Signature: _____ Checked by: Signature: _____ Date: AUG, 2022	CLIENT:	Checked by: Signature: _____ Recommended by: Signature: _____ Approved by: Signature: _____	DRAWING TITLE:	GROUND FLOOR PLAN (TYPE 1B)	SHEET NO.:	ST S-01

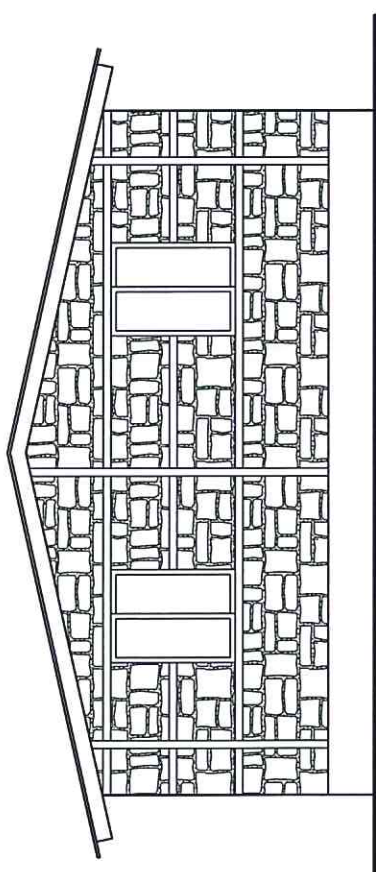




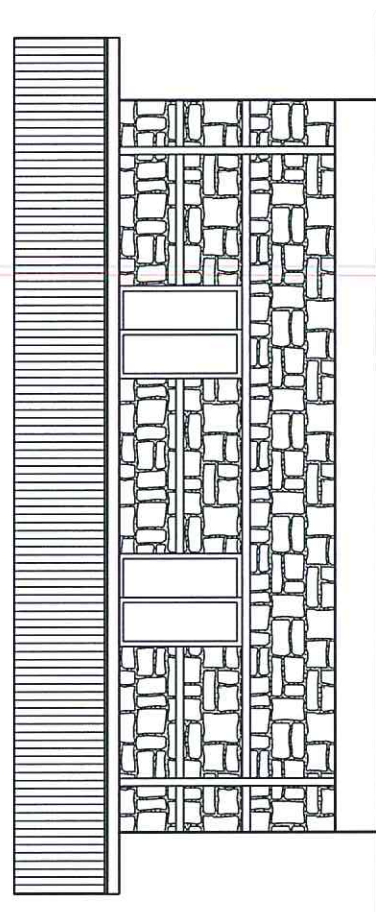
FRONT ELEVATION



SIDE ELEVATION



BACK ELEVATION

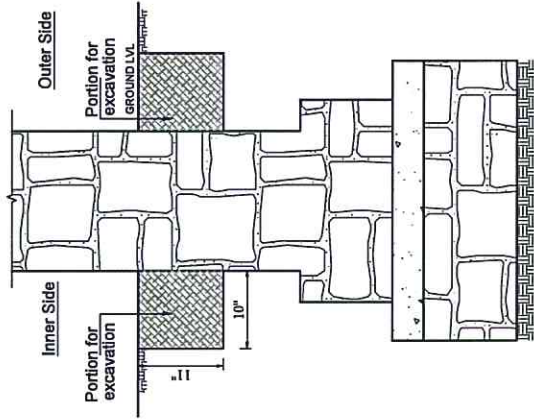


SIDE ELEVATION

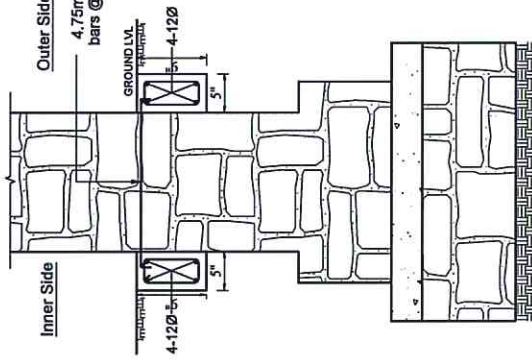
<b>CLIENT:</b>	<b>CONSULTANT:</b>	<b>PROJECT NAME:</b>	<b>SCALE:</b>	<b>CONSULTANT:</b>	<b>CLIENT:</b>	<b>DRAWING TITLE:</b>	<b>SHEET NO.:</b>
Helvetas Nepal	Er. Sandeep Man Shakya Email: sandeep038@gmail.com Phone: +977-9801307522	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	1/2"=1'-0"	Designed and Drawn by: Signature: Checked by: Signature:	Checked by: Signature: Recommended by: Signature: Approved by: Signature:	ELEVATIONS (TYPE 1B)	ST S-02
			Date: AUG, 2022	Signature: Approved by: Signature:	Signature: Approved by: Signature:	HELAMBU, SINDHUPALCHOWK	



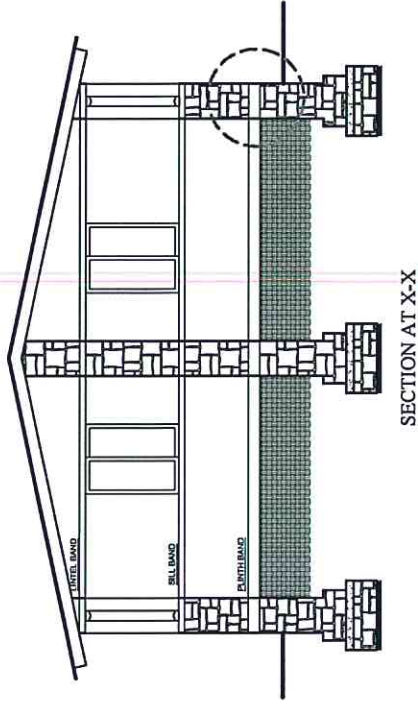
# Type 1: Rectification for damaged plinth band



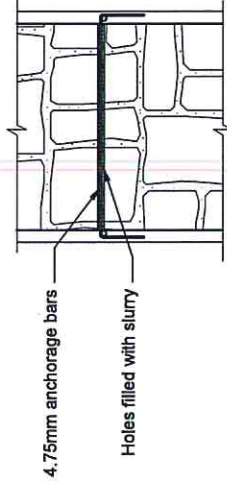
SECTION SHOWING THE PORTION TO BE EXCAVATED FOR TIE BEAM



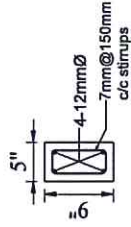
SECTION VIEW AT FOUNDATION



SECTION AT X-X



ANCHORAGE BAR DETAIL



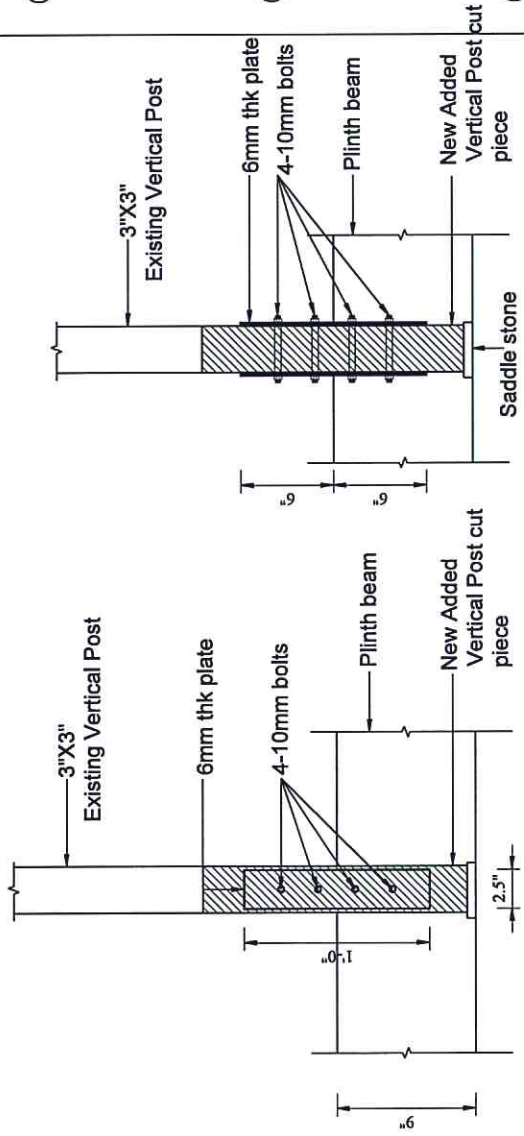
SECTION OF PLINTH BEAM

- Removal of existing timber Plinth Band
- Replacing timber Band portion by cement, sand, and aggregate mixture
- Addition of reinforced Plinth Band on both sides of the wall
- Application of black japan or oil based paints to the bands
- Resting the existing timber on the bands by using steel plates

CLIENT:	CONSULTANT:	PROJECT NAME:	SCALE:	CONSULTANT:	CLIENT:	DRAWING TITLE:	SHEET NO.:
Helvetas Nepal	Er. Sandeep Man Shikya Email: sandeep038@gmail.com Phone: +977-9801307522	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	1/4"=1'-0", 1/8"=1'-0"	Designed and Drawn by: Signature: Checked by: Signature: Approved by: Signature:	Checked by: Signature: Recommended by: Signature: Approved by: Signature:	TYPE 1	ST S-03
				Date: AUG, 2022		HELAMBU, SINDHUPALCHOWK	

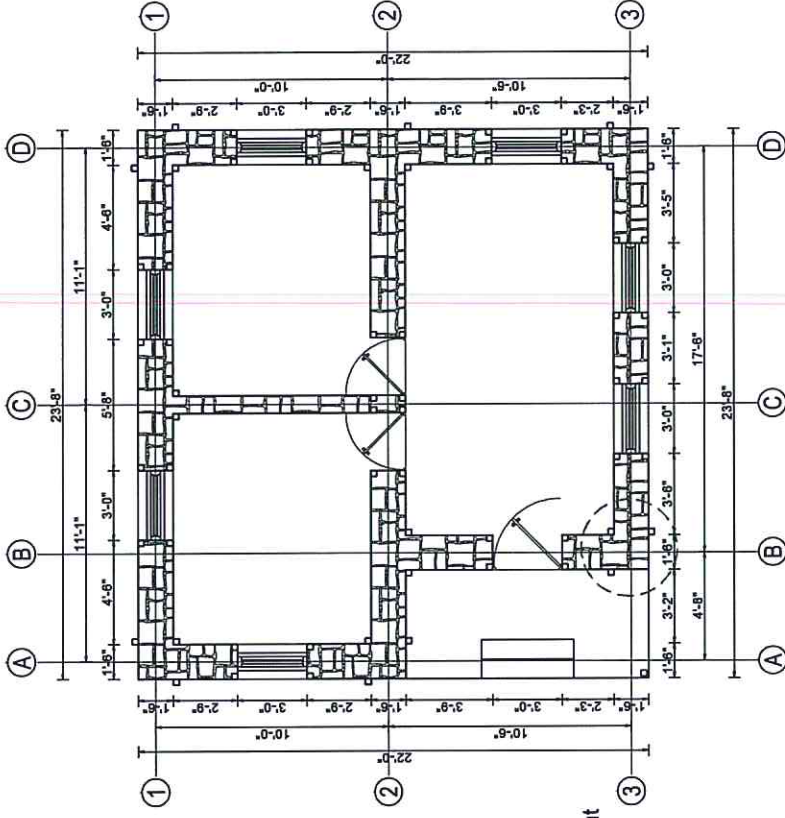


## Type 2: Rectification for damaged plinth band and vertical post base



SECTION SHOWING ADDITION OF STEEL PLATE

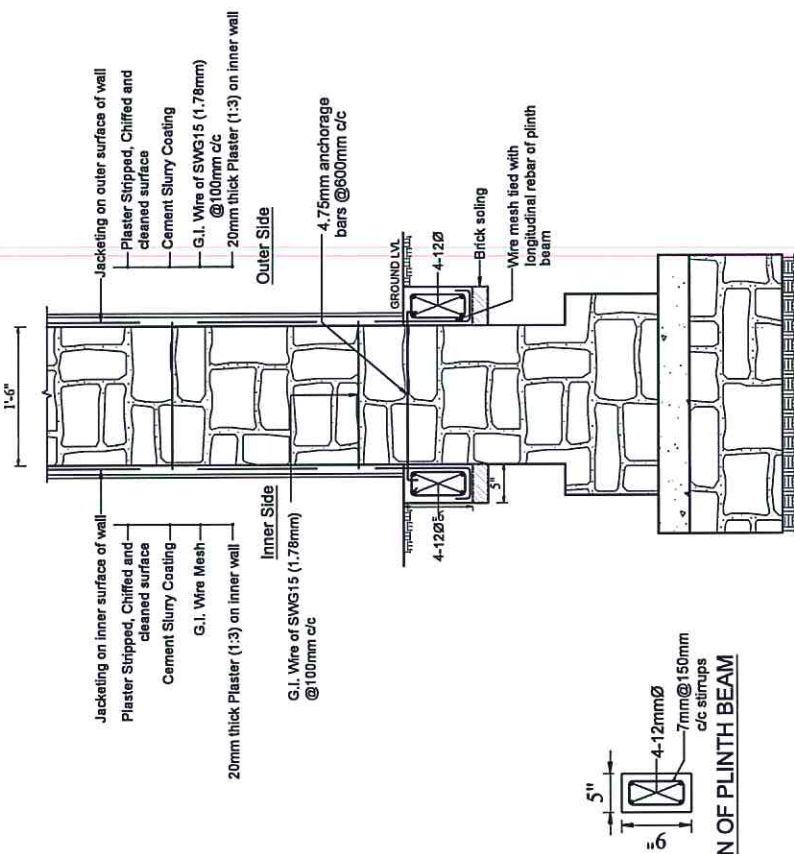
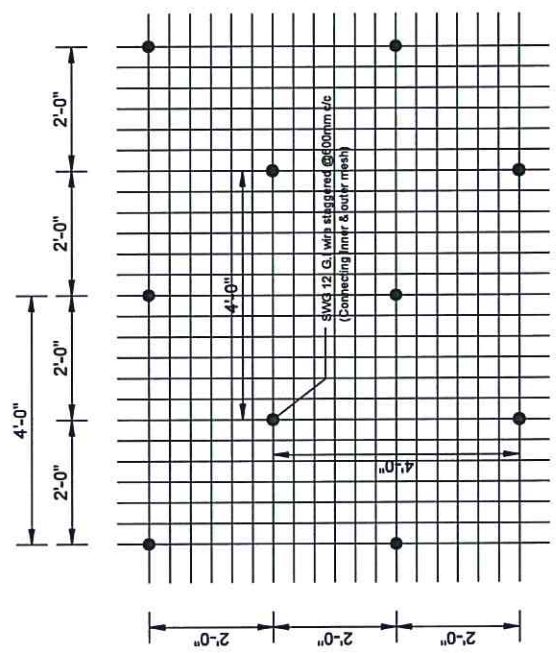
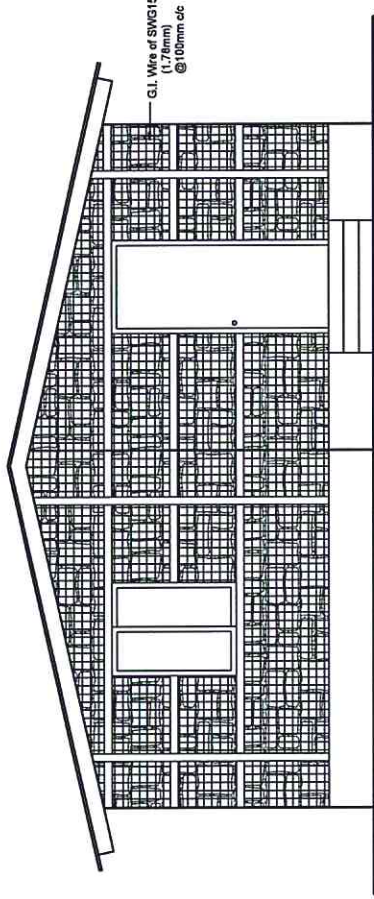
- Removal of existing timber Plinth Band
- Replacing timber Band portion by cement, sand, and aggregate mixture
- Addition of reinforced Plinth Band on both sides of the wall
- Application of black japan or oil based paints to the bands
- Adding a cut piece of timber pieces; ensuring the existing timber rests on the bands by using steel plates



CLIENT:	CONSULTANT:		PROJECT NAME:		CLIENT:		DRAWING TITLE:		SHEET NO.:	
	Er. Sandeep Man Shukya Email: sandeep038@gmail.com Phone: +977-9801307522		Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District		Designed and Drawn by: Signature: Checked by:		TYPE 2		ST S-04	
Helvetas Nepal	SCALE:		CONSULTANT:		CLIENT:		DRAWING TITLE:		SHEET NO.:	
	1"=1'-0" 1"=1'-0"		Designed and Drawn by: Signature: Checked by:		Checked by: Signature: Recommended by:		TYPE 2		ST S-04	
	Date: AUG, 2022		Signature: Approved by:		Signature: Approved by:		HELAMBU, SINDHUWACHOWK		NEC No.	
			Signature:		Signature:					



# Type 3: Addition of GI wiremesh on both sides of the wall (If plinth, sill and lintel band are damaged)



SECTION VIEW AT JACKETING

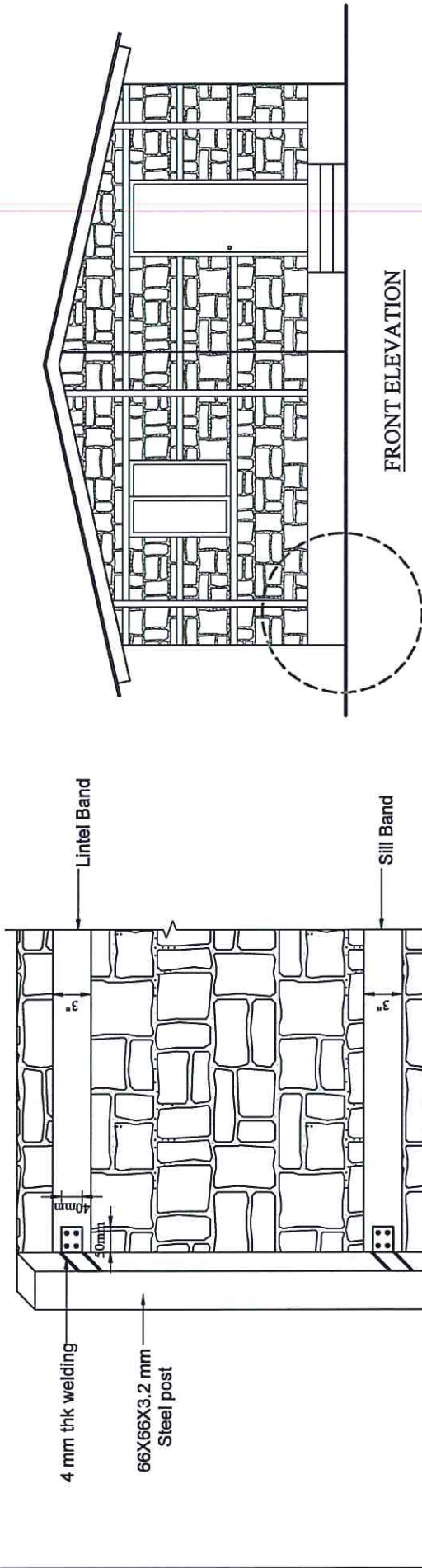
- Removal of existing timber Plinth Band
- Replacing timber Band portion by cement, sand, and aggregate mixture
- Addition of reinforced Plinth Band on both sides of the wall
- Application of black japan or oil based paint to the bands
- Adding a cut piece of timber pieces in place of damaged one
- Addition of 15G wiremesh on both sides of the walls

LAYOUT OF G.I. WIRE ANCHORAGE FOR CONNECTING JACKETING MESH ON BOTH SIDES OF WALL

CLIENT: <b>Helvetas Nepal</b>	CONSULTANT: Er. Sandeep Man Shakya Email: sandeep038@gmail.com Phone: +977-9801307522	PROJECT NAME: <b>Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District</b>		SCALE: 1/4" = 1'-0" 1/8" = 1'-0"	CONSULTANT: Designed and Drawn by: Signature: Checked by: Signature:	CLIENT: Checked by: Signature: Recommended by: Signature: Approved by: Signature:	DRAWING TITLE: <b>TYPE 3</b>	SHEET NO.: <b>ST S-05</b>
				Date: AUG, 2022	Signature: Approved by: Signature: NEC No.:	Signature: Approved by: Signature:	HELAMBU, SINDHUPALCHOWK	



# Type 4: Replacing outer vertical post with 66X66X3.2 mm steel post (If outer vertical posts are damaged)



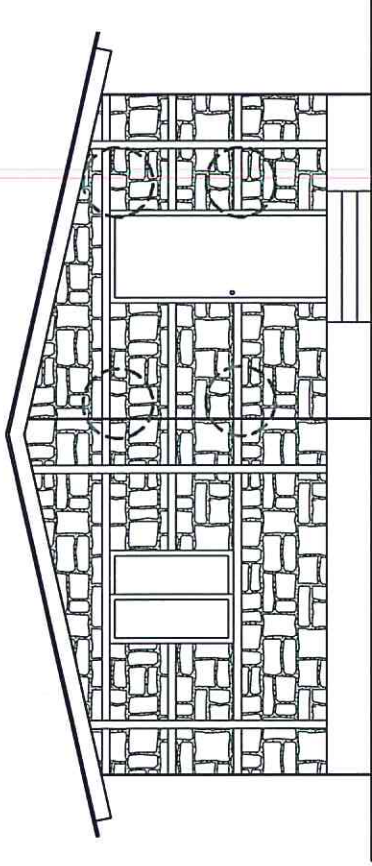
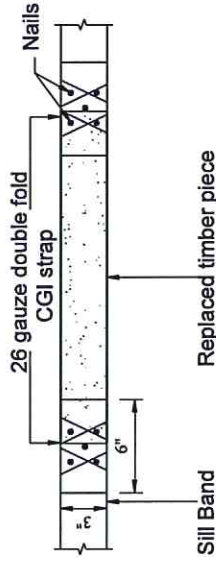
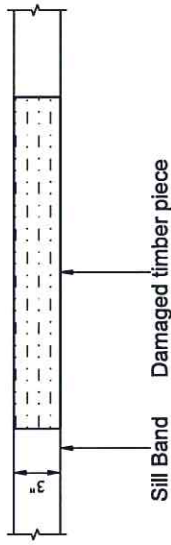
- Removal of existing timber Plinth Band
- Replacing timber Band portion by cement, sand, and aggregate mixture
- Addition of reinforced Plinth Band on both sides of the wall
- Application of black japan or oil based paint to the horizontal bands
- Replacing the existing vertical timber bands and adding a square steel posts embedded in the plinth band

CLIENT:	Helvetas Nepal	CONSULTANT:	Er. Sandeep Man Shakya Email: sandeep038@gmail.com Phone: +977-9801307522	PROJECT NAME:	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	SCALE:	1/4"=1'-0" 1/8"=1'-0"	DATE:	AUG, 2022	CLIENT:	Checked by: Signature: Recommended by: Signature: Approved by: Signature:	DRAWING TITLE:	TYPE 4	SHEET NO.:	ST S-06





# Type 5: Addition of new timber cut piece (Localized failure of sill, lintel and roof band)



FRONT ELEVATION

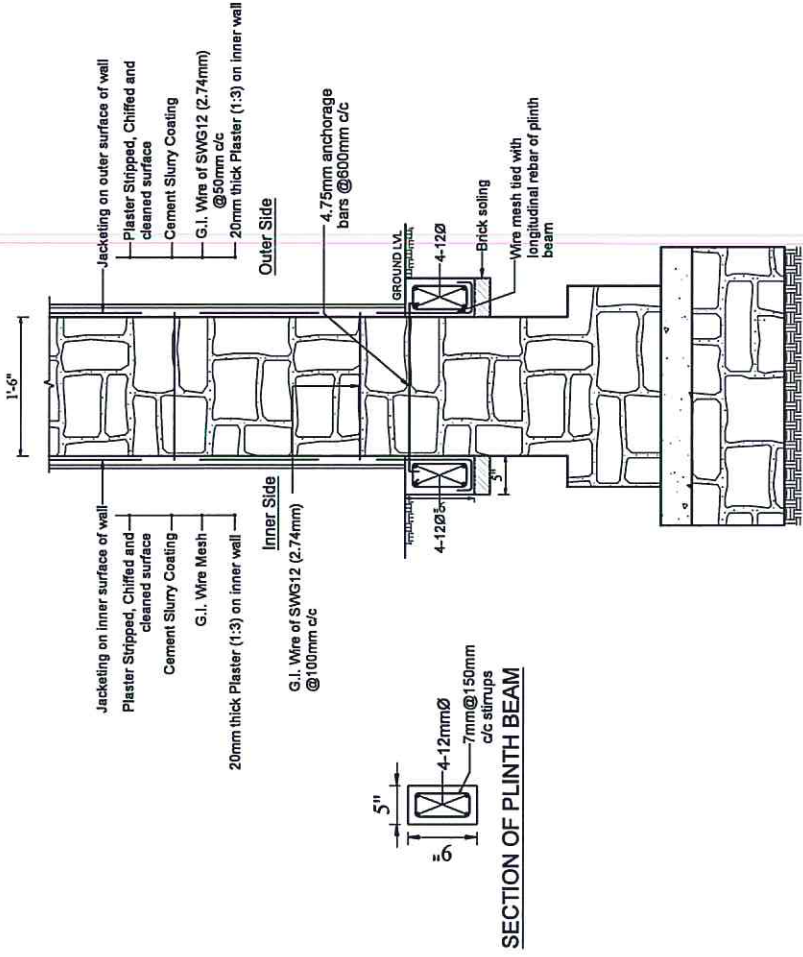
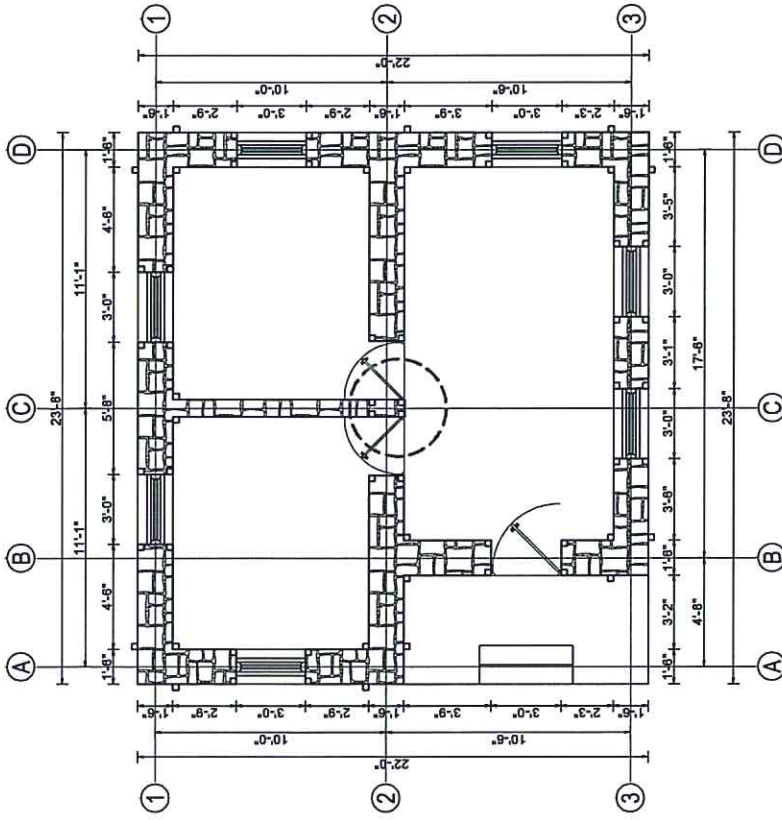
- Removal of damaged timber portion
- Addition of a new cut piece
- Connecting new and old timber pieces by a GI strap and nails

NOTE: APPLY TWO COATS OF BLACK JAPAN OR OIL BASED PAINT ON EXPOSED TIMBER BANDS

CLIENT:	CONSULTANT:	PROJECT NAME:	SCALE:	CONSULTANT:	CLIENT:	DRAWING TITLE:	SHEET NO.:
Helvetas Nepal	Er. Sandeep Man Shakyia Email: sandiepo38@gmail.com Phone: +977-9801-307522	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	1/2=1'-0" 1/4=1'-0"	Designed and Drawn by: Signature: Checked by: Signature:	Checked by: Signature: Recommended by: Signature:	TYPE 5	ST
			Date: AUG, 2022	Signature: Approved by: Signature:	Signature: Approved by: Signature:	HELAMBU, SINDHUPALCOWK	S-07



# Type 6: Applying 12 gauge wiremesh in pier (If the pier length is less than 600mm)

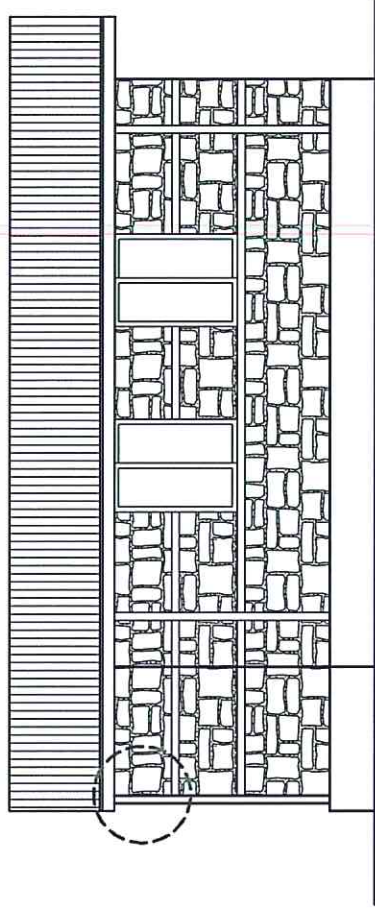
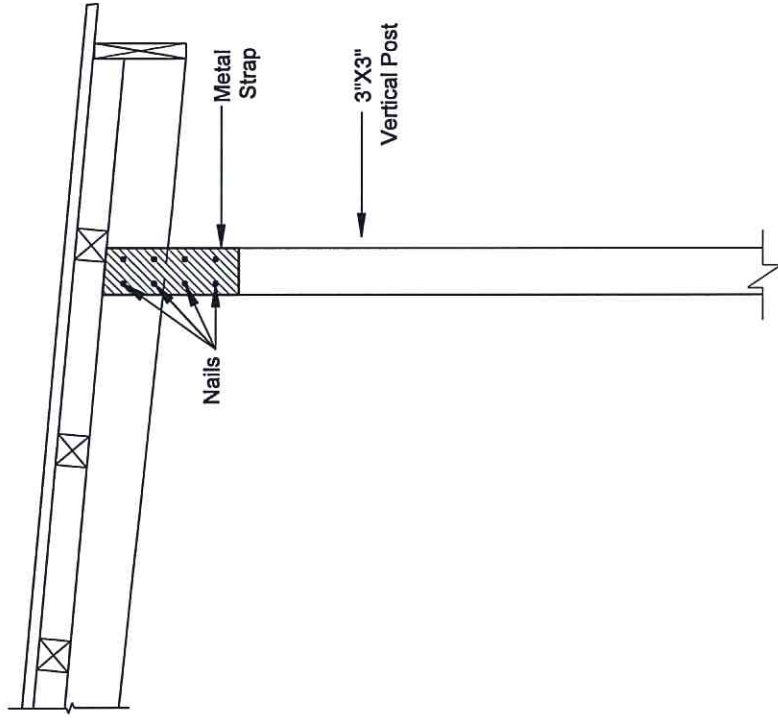


- Addition of reinforced Plinth Band on both sides of the wall
- Application of black japan or oil based paint to the bands
- Addition of 12G wire mesh at 50mm c/c connected at plinth band and folded across the roof band

<b>CLIENT:</b>	<b>CONSULTANT:</b>	<b>PROJECT NAME:</b>	<b>SCALE:</b>	<b>CONSULTANT:</b>	<b>CLIENT:</b>	<b>DRAWING TITLE:</b>	<b>SHEET NO.:</b>
Helvetas Nepal	Er. Sandeep Man Shakya Email: sandeep038@gmail.com Phone: +977-9801307522	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	1/4"=1'-0" 1/8"=1'-0"	Designed and Drawn by: Signature: Checked by: Signature: Date: AUG, 2022	Checked by: Signature: Recommended by: Signature: Approved by: Signature:	TYPE 6	ST S-08
						HELAMBU, SINDHUPALCHOWK	



# Type 7: Connection improvement



SIDE ELEVATION

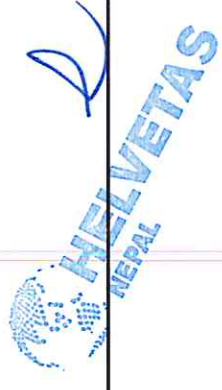
- Connecting two timber bands by a GI strap and providing adequate nailings
- Application of black japan or oil based paint to the bands

CLIENT: <b>Helvetas Nepal</b>	CONSULTANT: Er. Sandeep Man Shakya Email: sandiepo38@gmail.com Phone: +977-9801307522	PROJECT NAME: <b>Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District</b>	SCALE: 1/4"=1'-0"; 1/8"=1'-0"	CONSULTANT: Designed and Drawn by: Signature: Checked by: Signature:		CLIENT: Checked by: Signature: Recommended by: Signature:		DRAWING TITLE: <b>TYPE 7</b>	SHEET NO.: <b>ST S-09</b>
			Date: AUG, 2022	Signature: Approved by: Signature:	Signature: Approved by: Signature:	Signature: Approved by: Signature:			



**TECHNICAL SOLUTION FOR STRENGTHENING  
SMM HOUSES WITH TIMBER BANDS AT  
SINDUPALCHOWK DISTRICT**

**Helambu, Sindhupalchowk**



## TABLE OF CONTENTS

SHEET 1: Ground Floor Plan (Type 2A)

SHEET 2: Elevations (Type 2A)

SHEET 3: Type 1: Rectification for damaged plinth band

SHEET 4: Type 2: Rectification for damaged plinth band and vertical post base

SHEET 5: Type 3: Addition of GI wire mesh on both sides of the wall (If plinth, sill and lintel band are damaged)

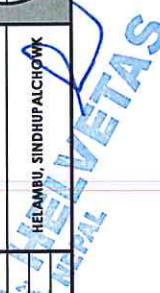
SHEET 6: Type 4: Replacing outer vertical post steel post (If outer vertical posts are damaged)

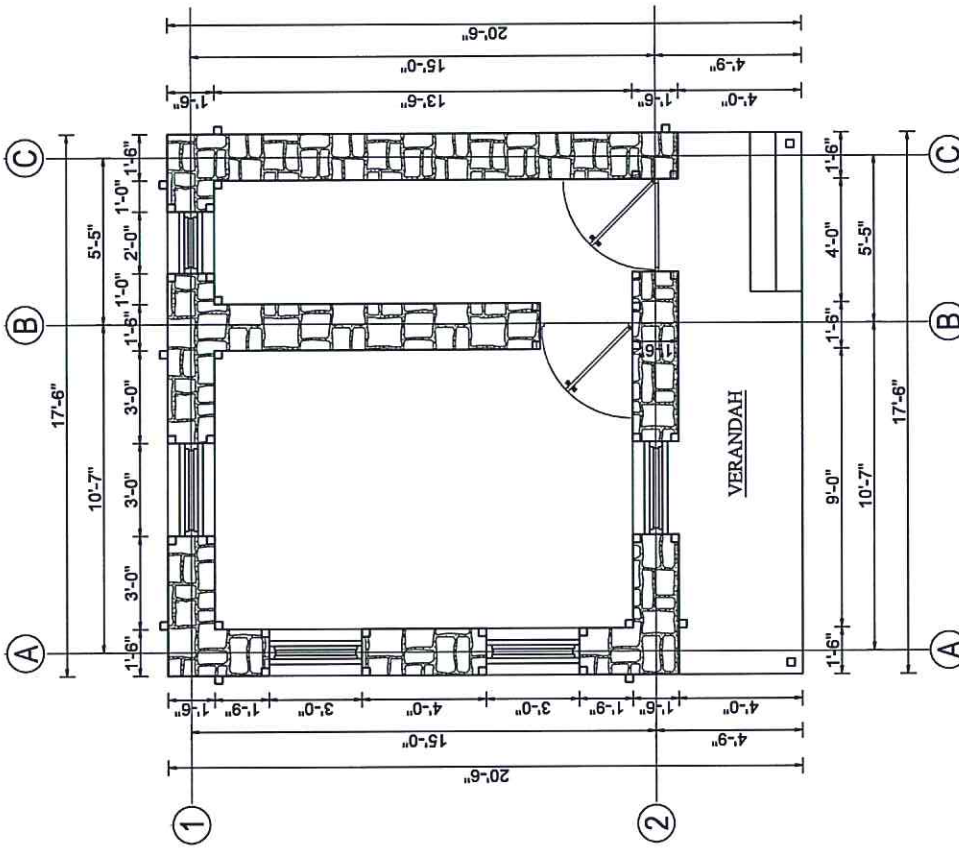
SHEET 7: Type 5: Addition of new timber cut piece (Localized failure of sill, lintel and roof band)

SHEET 8: Type 6: Applying 12 gauge wire mesh in pier (If the pier length is less than 600mm)

SHEET 9: Type 7: Connection improvement

<b>CLIENT:</b>	<b>CONSULTANT:</b>	<b>PROJECT NAME:</b>	<b>SCALE:</b>	<b>CONSULTANT:</b>	<b>CLIENT:</b>	<b>DRAWING TITLE:</b>	<b>SHEET NO.:</b>
Helvetas Nepal	Er. Sandeep Man Shakya Email: sandee038@gmail.com Phone: +977-9801307522	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	1/4"=1'-0"	Designed and Drawn by: Signature: _____ Checked by: Signature: _____ Approved by: Signature: _____ Date: AUG, 2022	Checked by: Signature: _____ Recommended by: Signature: _____ Approved by: Signature: _____	TYPICAL FLOOR PLAN	ST S-00
						HELAMBU. SINDHUPALCHOWK	

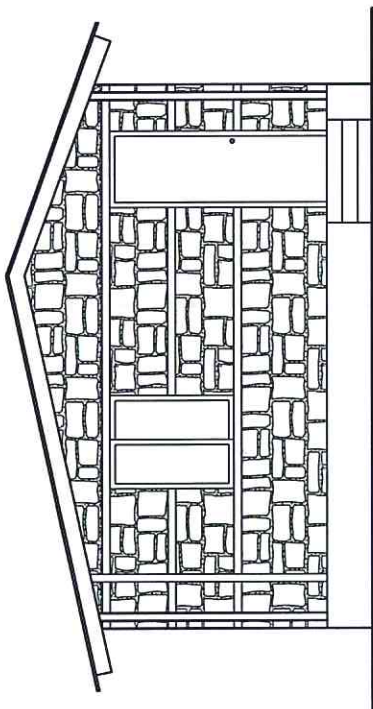




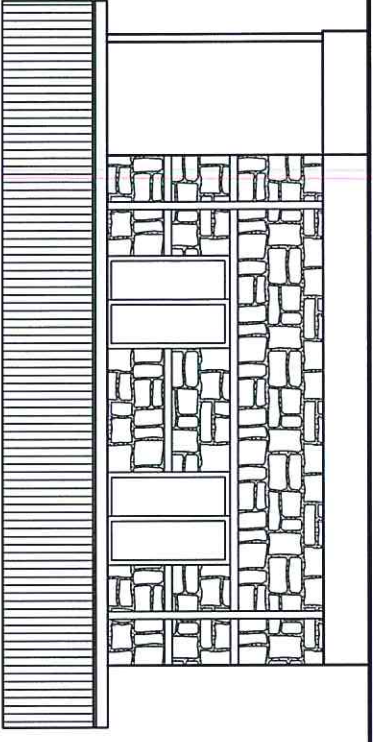
GROUND FLOOR PLAN  
AREA: 288.75 SQ.FT

CLIENT:	Helvetas Nepal	CONSULTANT:	Er. Sandeep Man Shakya Email: sandeep0388@gmail.com Phone: +977-9801307522	PROJECT NAME:	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	SCALE:	1/2" = 1'-0"	CONSULTANT: Designed and Drawn by: Signature: Checked by: Signature: Date: AUG, 2022	CLIENT: Checked by: Signature: Recommended by: Signature: Approved by: Signature: NEC No.	DRAWING TITLE: GROUND FLOOR PLAN (TYPE 2A) HELAMBU, SINDHUPALCHOWK	SHEET NO.: ST S-01

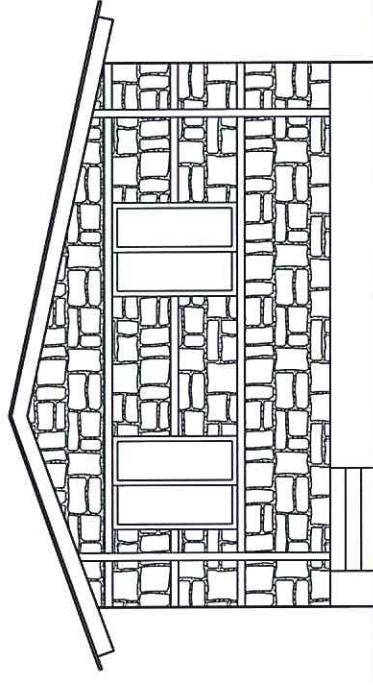




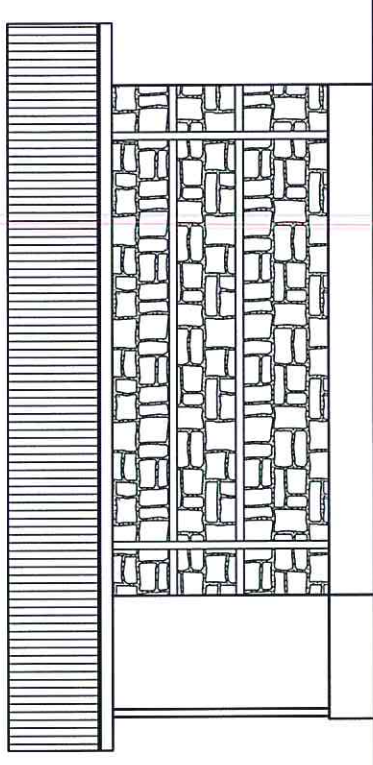
FRONT ELEVATION



SIDE ELEVATION



BACK ELEVATION

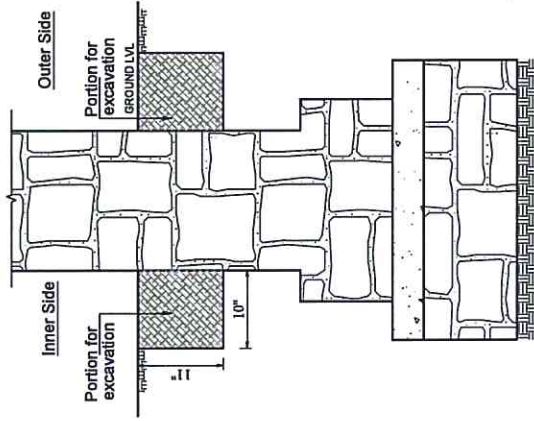


SIDE ELEVATION

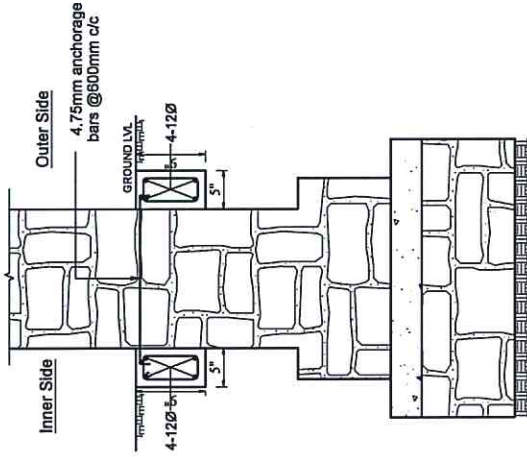
CLIENT: <b>Helvetas Nepal</b>	CONSULTANT: Er. Sandeep Man Shakya Email: sandeep038@gmail.com Phone: +977-9801307522	PROJECT NAME: <b>Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District</b>	SCALE: 1/4"=1'-0"	CONSULTANT: Designed and Drawn by: Signature: _____ Checked by: Signature: _____	CLIENT: Checked by: Signature: _____ Recommended by: Signature: _____	DRAWING TITLE: ELEVATIONS (TYPE 2A)	SHEET NO.: <b>ST S-02</b>
			Date: AUG, 2022	Approved by: Signature: _____ NEC No.:	Signature: Approved by: Signature: _____	Signature: Approved by: Signature: _____	HELAMBU, SINDHUPALCHOWK



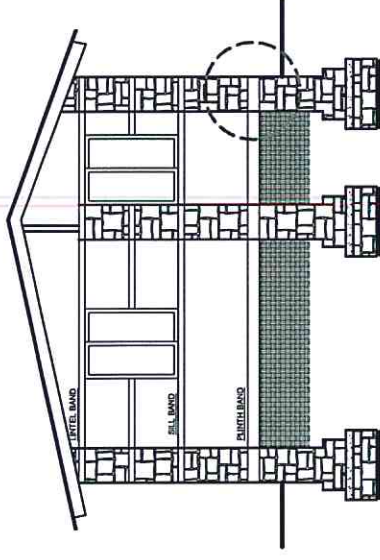
# Type 1: Rectification for damaged plinth band



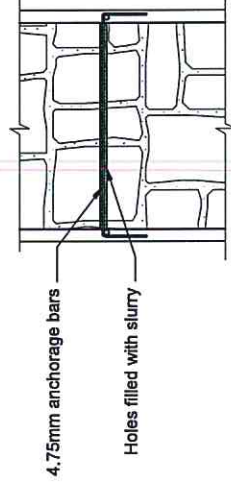
**SECTION SHOWING THE PORTION TO BE EXCAVATED FOR TIE BEAM**



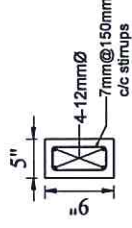
**SECTION VIEW AT FOUNDATION**



**SECTION AT X-X**



**ANCHORAGE BAR DETAIL**



**SECTION OF PLINTH BEAM**

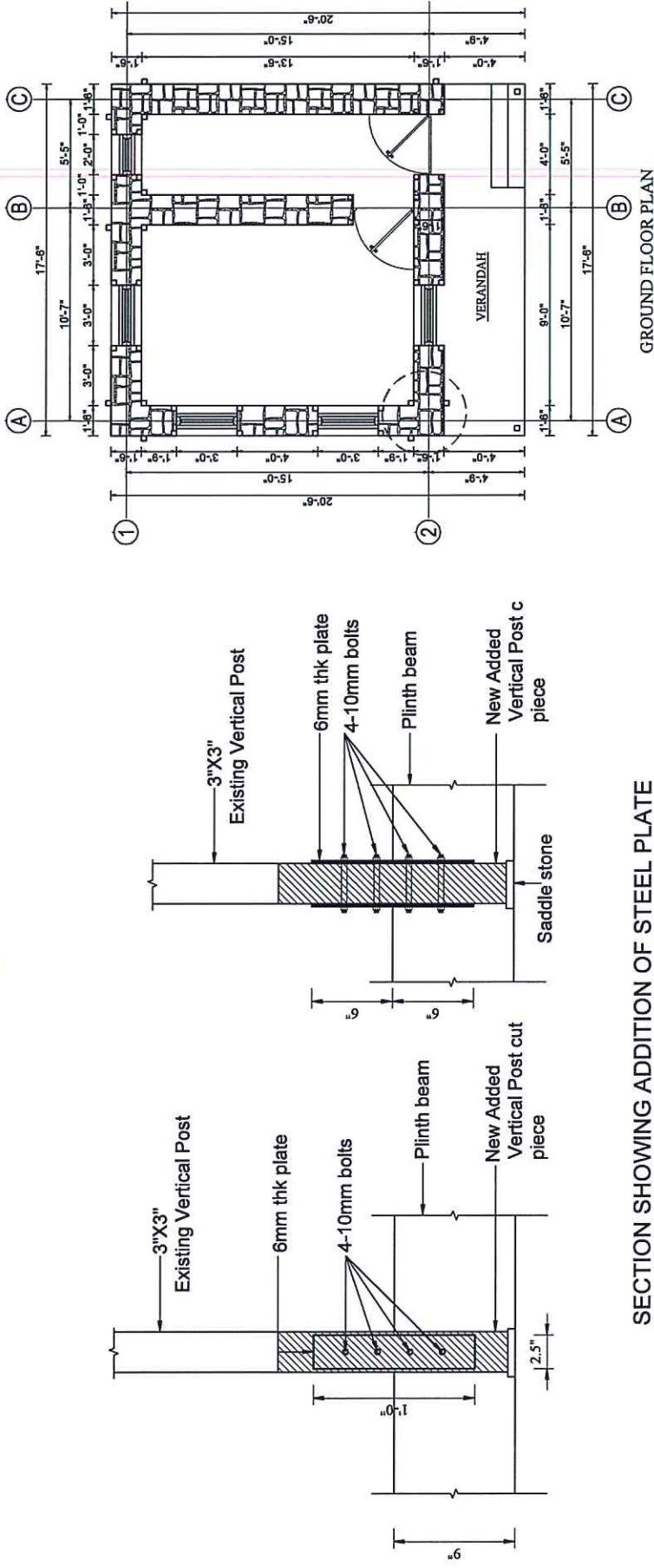
- Removal of existing timber Plinth Band
- Replacing timber Band portion by cement, sand, and aggregate mixture
- Addition of reinforced Plinth Band on both sides of the wall
- Application of black japan or oil based paints to the bands
- Resting the existing timber on the bands by using steel plates

<b>CLIENT:</b> Helvetas Nepal	<b>CONSULTANT:</b> Er. Sandeep Man Shakya Email: sandlepo38@gmail.com Phone: +977-9801307522	<b>PROJECT NAME:</b> Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	<b>SCALE:</b> 1/4"=1'-0" 1/8"=1'-0"	<b>DATE:</b> AUG, 2022	<b>CONSULTANT:</b> Designed and Drawn by: Signature: Checked by: Signature: Approved by: Signature:	<b>CLIENT:</b> Checked by: Signature: Recommended by: Signature: Approved by: Signature:	<b>DRAWING TITLE:</b> TYPE 1	<b>SHEET NO.:</b> ST S-03
----------------------------------	---	--	---	---------------------------	---	--	---------------------------------	---------------------------------





## Type 2: Rectification for damaged plinth band and vertical post base

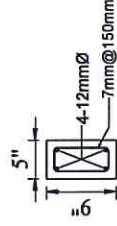
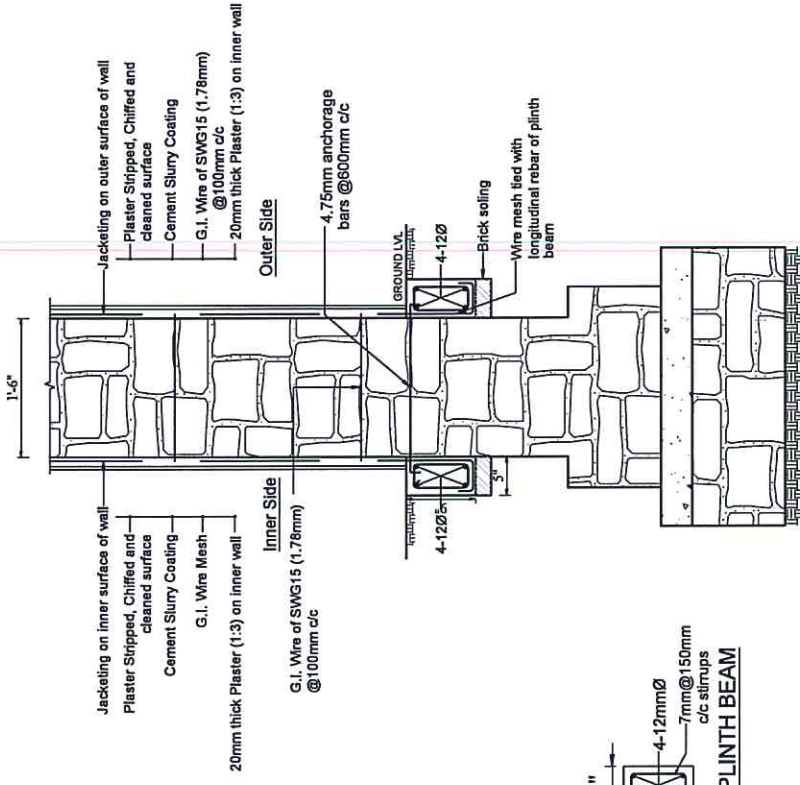
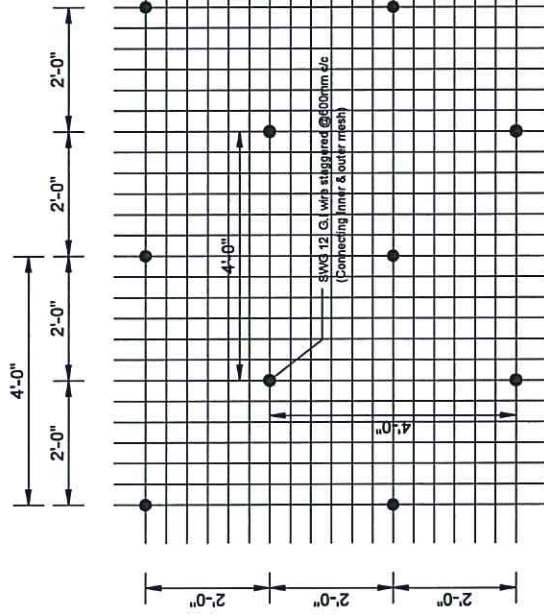
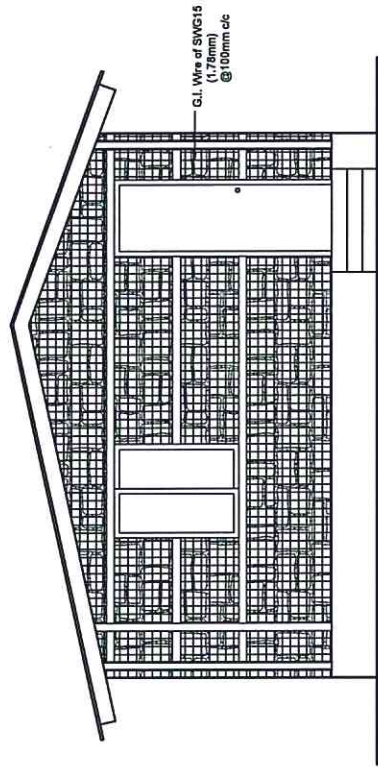


### SECTION SHOWING ADDITION OF STEEL PLATE

- Removal of existing timber Plinth Band
- Replacing timber Band portion by cement, sand, and aggregate mixture
- Addition of reinforced Plinth Band on both sides of the wall
- Application of black japan or oil based paints to the bands
- Adding a cut piece of timber pieces; ensuring the existing timber rests on the bands by using steel plates

CLIENT: <b>Helvetas Nepal</b>	CONSULTANT: Er. Sandeep Man Shakyia Email: sandeep038@gmail.com Phone: +977-9801307522	PROJECT NAME: <b>Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District</b>	SCALE: 1/2"=1'-0" 1/4"=1'-0"	CONSULTANT: Designed and Drawn by: Signature: Checked by: Signature: Date: AUG, 2022	CLIENT: Checked by: Signature: Recommended by: Signature: Approved by: Signature:	DRAWING TITLE: <b>TYPE 2</b>	SHEET NO.: <b>ST</b> <b>S-04</b>
						HELAMBU, SINDHUPALCHOWK	

# Type 3: Addition of GI wiremesh on both sides of the wall (If plinth, sill and lintel band are damaged)



SECTION OF PLINTH BEAM

SECTION VIEW AT JACKETING

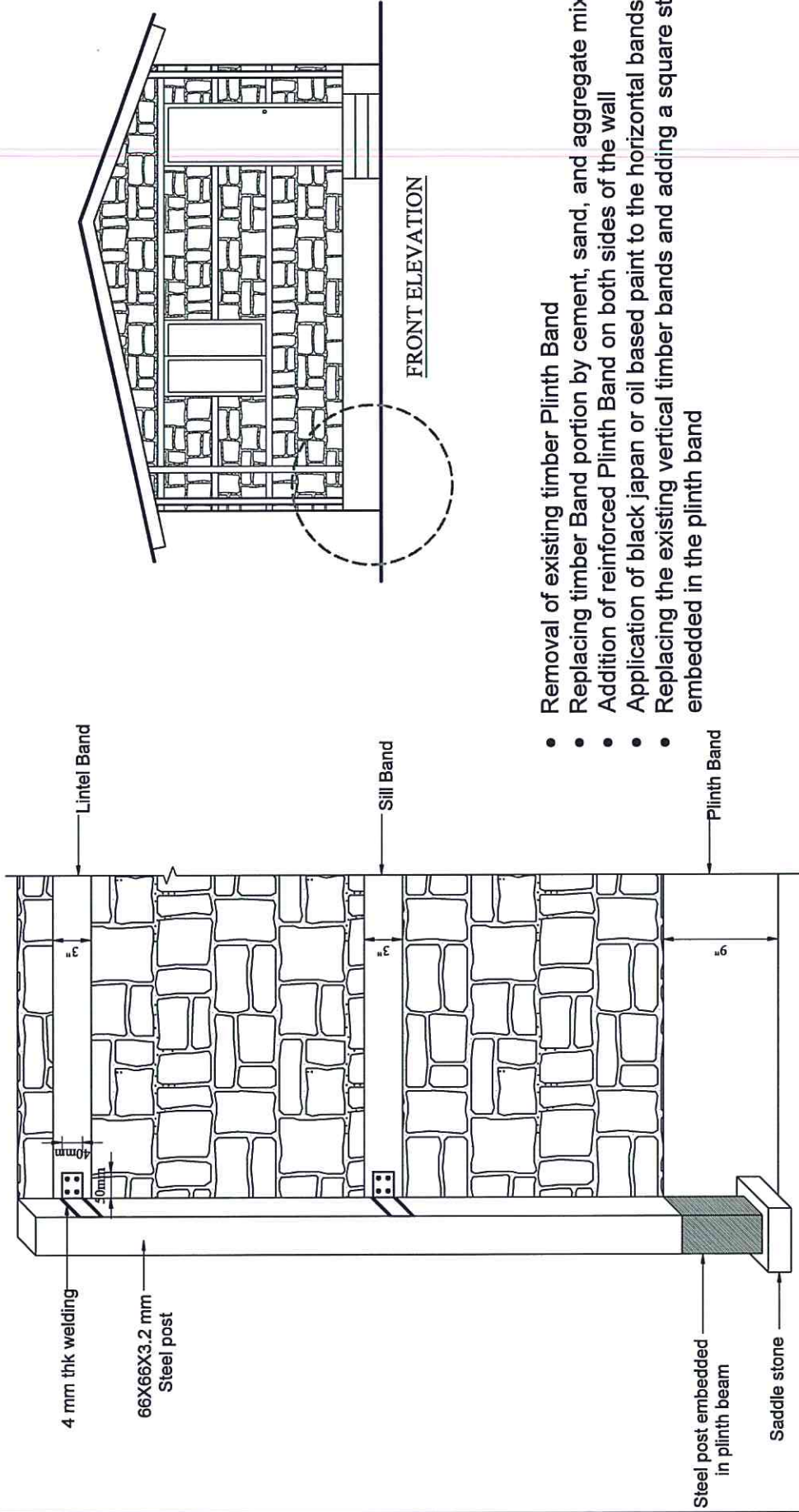
- Removal of existing timber Plinth Band
- Replacing timber Band portion by cement, sand, and aggregate mixture
- Addition of reinforced Plinth Band on both sides of the wall
- Application of black japan or oil based paint to the bands
- Adding a cut piece of timber pieces in place of damaged one
- Addition of 15G wiremesh on both sides of the walls

LAYOUT OF G.I. WIRE ANCHORAGE FOR CONNECTING JACKETING MESH ON BOTH SIDES OF WALL

CLIENT:	CONSULTANT:	SCALE:	CONSULTANT:	CLIENT:	DRAWING TITLE:	SHEET NO.:
Helvetas Nepal	Er. Sandeep Man Shakya Email: sandeep038@gmail.com Phone: +977-9801307522	1/4"=1'-0" 3/8"=1'-0"	Designed and Drawn by: Signature: Checked by: Signature: Date: AUG, 2022	Checked by: Signature: Recommended by: Signature: Approved by: Signature:	TYPE 3	ST S-05
					HELABBU, SINDHUPALCHOWK	



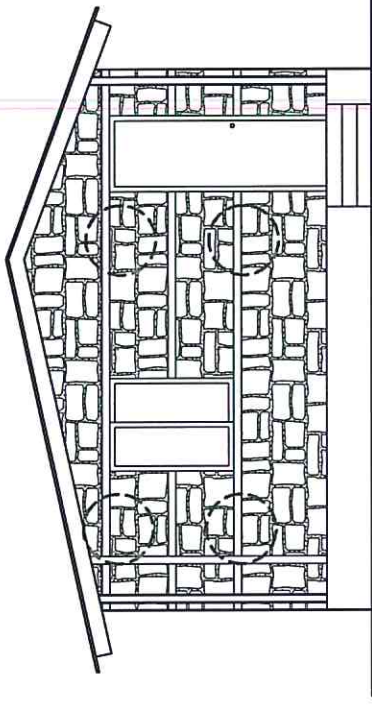
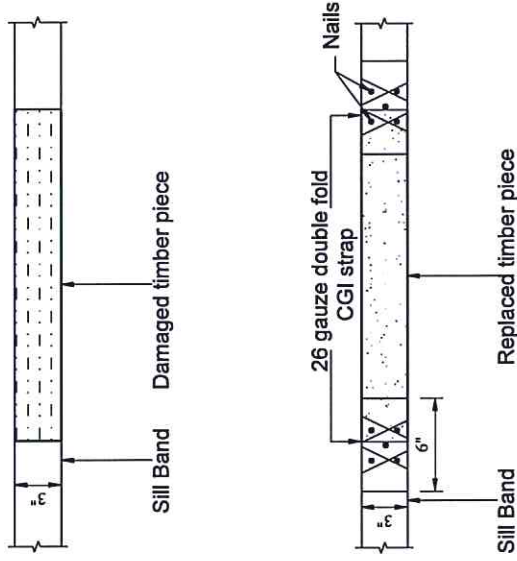
## Type 4: Replacing outer vertical post with 66X66X3.2 mm steel post (If outer vertical posts are damaged)



- Removal of existing timber Plinth Band
- Replacing timber Band portion by cement, sand, and aggregate mixture
- Addition of reinforced Plinth Band on both sides of the wall
- Application of black japan or oil based paint to the horizontal bands
- Replacing the existing vertical timber bands and adding a square steel posts embedded in the plinth band

<b>CLIENT:</b> Helvetas Nepal	<b>CONSULTANT:</b> Er. Sandeep Man Shakya Email: sandeep038@gmail.com Phone: +977-9801307522	<b>PROJECT NAME:</b> Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	<b>SCALE:</b> 1/4"=1'-0" 1/8"=1'-0" Date: AUG, 2022	<b>CONSULTANT:</b> Designed and drawn by: Signature: Checked by: Signature: Approved by: Signature:	<b>CLIENT:</b> Checked by: Signature: Recommended by: Signature: Approved by: Signature:	<b>DRAWING TITLE:</b> TYPE 4	<b>SHEET NO.:</b> ST S-06
----------------------------------	---	--	--	---	--	---------------------------------	---------------------------------

## Type 5: Addition of new timber cut piece (Localized failure of sill, lintel and roof band)

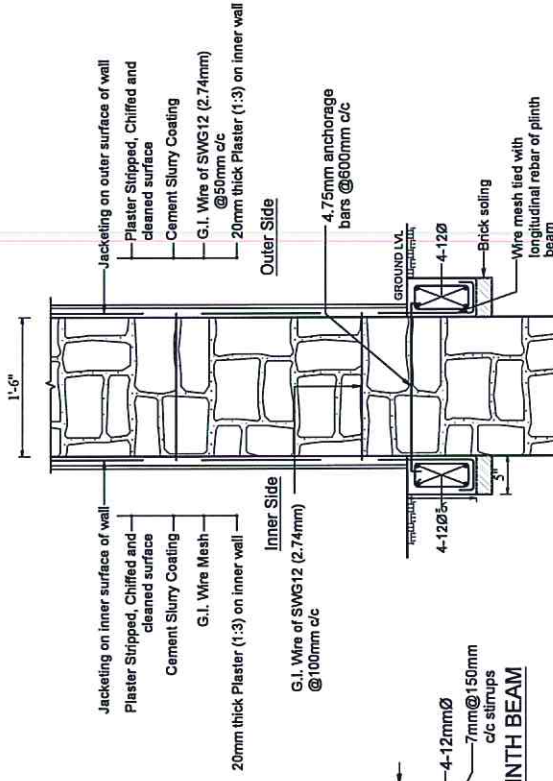
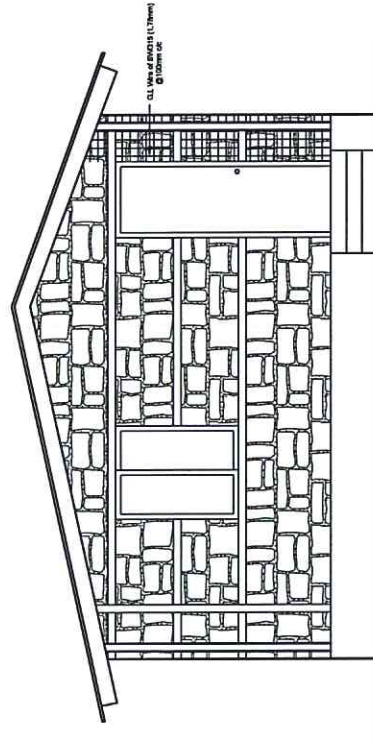
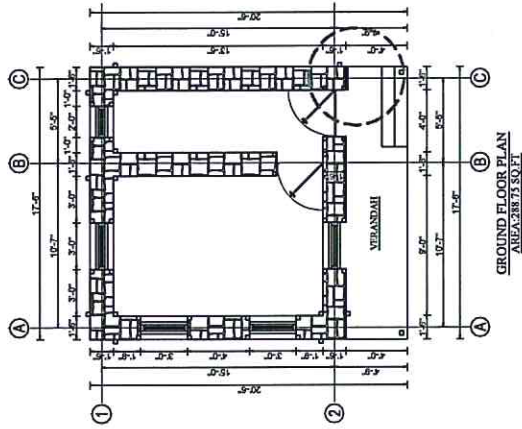


- Removal of damaged timber portion
- Addition of a new cut piece
- Connecting new and old timber pieces by a GI strap and nails

NOTE: APPLY TWO COATS OF BLACK JAPAN OR OIL BASED PAINT ON EXPOSED TIMBER BANDS

CLIENT:	CONSULTANT:	PROJECT NAME:	SCALE:	CONSULTANT:	CLIENT:	DRAWING TITLE:	SHEET NO:
Helvetas Nepal	Er. Sandeep Man Shukya Email: sandiepo38@gmail.com Phone: +977-9801307522	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	1/4"=1'-0" 1/8"=1'-0"	Designed and Drawn by: Signature: Checked by: Signature:	Checked by: Signature: Recommended by: Signature:	TYPE 5	ST S-07
			Date: AUG, 2022	Signature: Approved by: Signature:	Signature: Approved by: Signature:	RELAMBU, SINDHUPALCHOWK	
							NEC No.

# Type 6: Applying 12 gauge wiremesh in pier (If the pier length is less than 600mm)



SECTION OF PLINTH BEAM

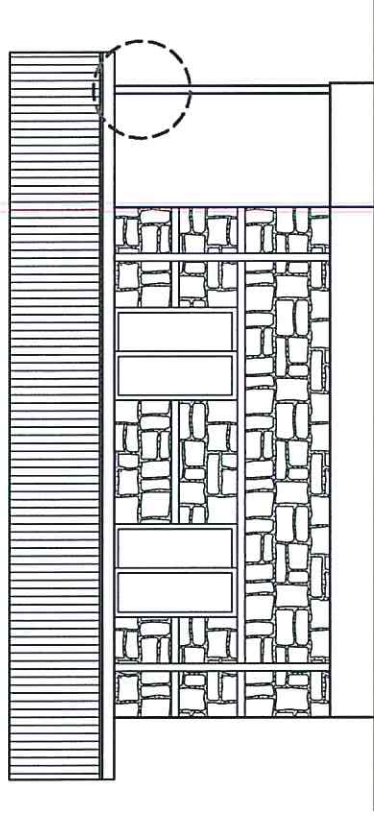
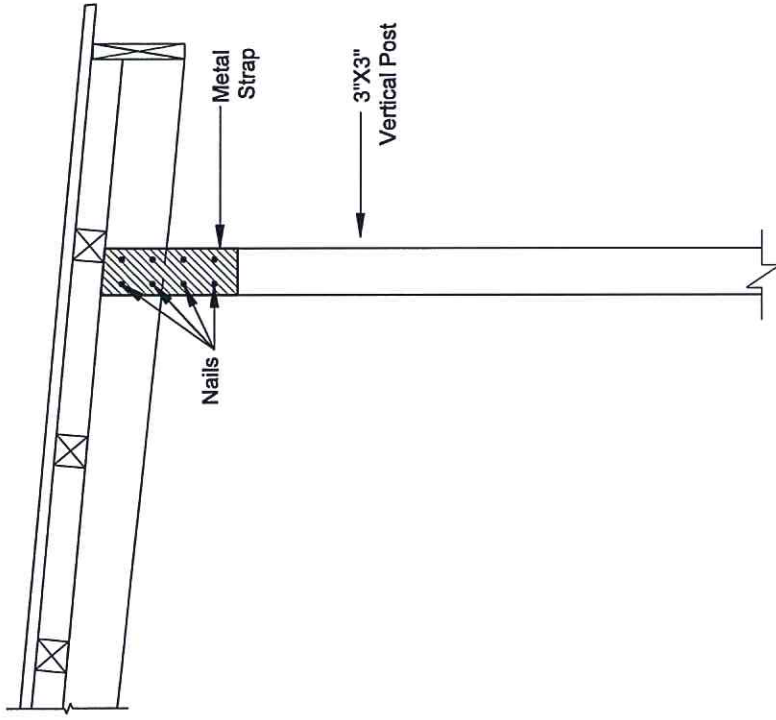
SECTION VIEW AT JACKETING

- Addition of reinforced Plinth Band on both sides of the wall
- Application of black japan or oil based paint to the bands
- Addition of 12G wire mesh at 50mm c/c connected at plinth band and folded across the roof band

<b>CLIENT:</b>	<b>CONSULTANT:</b>	<b>SCALE:</b>	<b>CONSULTANT:</b>	<b>CLIENT:</b>	<b>DRAWING TITLE:</b>	<b>SHEET NO.:</b>
Helvetas Nepal	Er. Sandeep Man Shukya Email: sandeep038@gmail.com Phone: +977-9801307522	1/4"=1'-0" 1/8"=1'-0"	Designed and Drawn by: Signature: Checked by: Signature: Date: AUG, 2022 Approved by: Signature:	Checked by: Signature: Recommended by: Signature: Approved by: Signature:	TYPE 6	ST S-08
		<b>PROJECT NAME:</b>		<b>HELABHU, SINDHUPALCHOWK</b>		
		<b>Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District</b>				



# Type 7: Connection improvement



SIDE ELEVATION

- Connecting two timber bands by a GI strap and providing adequate nailings
- Application of black japan or oil based paint to the bands

CLIENT:	CONSULTANT:	PROJECT NAME:	SCALE:	CONSULTANT:	CLIENT:	DRAWING TITLE:	SHEET NO.:
Helvetas Nepal	Er. Sandeep Man Shakya Email: sandiepo38@gmail.com Phone: +977-9801307522	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	1/4"=1'-0"; 1/8"=1'-0"	Designed and Drawn by: Signature: Checked by: Signature:	Checked by: Signature: Recommended by: Signature: Approved by: Signature:	TYPE 7	ST S-09
			Date: AUG, 2022	Signature: Approved by: Signature: Signature:		HELAMBU, SINDHUPALCHOWK	



**TECHNICAL SOLUTION FOR STRENGTHENING  
SMM HOUSES WITH TIMBER BANDS AT  
SINDUPALCHOWK DISTRICT**

**Helambu, Sindhupalchowk**

## TABLE OF CONTENTS

SHEET 1: Ground Floor Plan (Type 2A)

SHEET 2: Elevations (Type 2A)

SHEET 3: Type 1: Rectification for damaged plinth band

SHEET 4: Type 2: Rectification for damaged plinth band and vertical post base

SHEET 5: Type 3: Addition of GI wire mesh on both sides of the wall (If plinth, sill and lintel band are damaged)

SHEET 6: Type 4: Replacing outer vertical post steel post (If outer vertical posts are damaged)

SHEET 7: Type 5: Addition of new timber cut piece (Localized failure of sill, lintel and roof band)

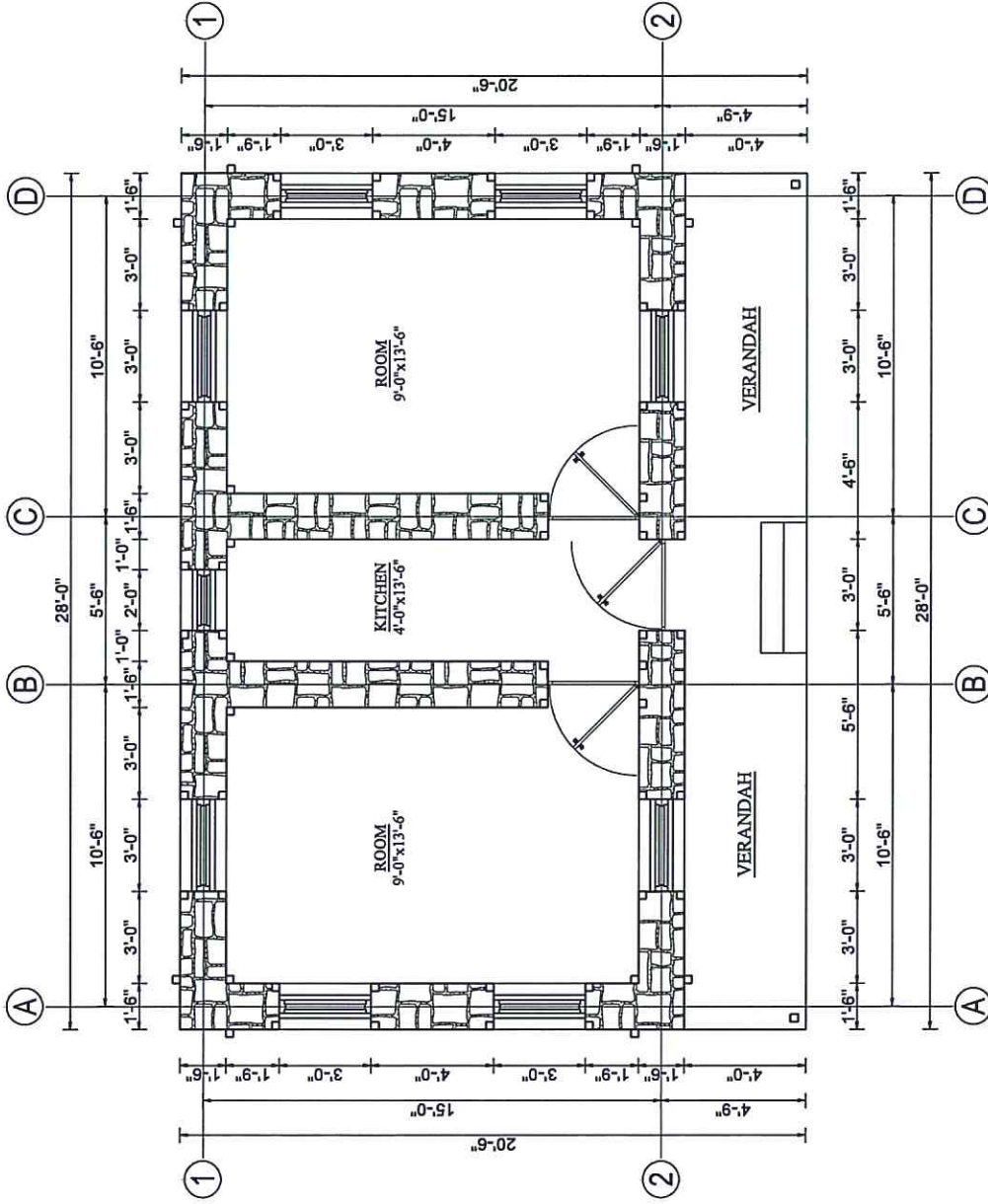
SHEET 8: Type 6: Applying 12 gauge wire mesh in pier (If the pier length is less than 600mm)

SHEET 9: Type 7: Connection improvement

<b>CLIENT:</b>	<b>CONSULTANT:</b>	<b>PROJECT NAME:</b>	<b>SCALE:</b>	<b>CONSULTANT:</b>	<b>CLIENT:</b>	<b>DRAWING TITLE:</b>	<b>SHEET NO.:</b>
Helvetas Nepal	Er. Sandeep Man Shakya Email: sandlep038@gmail.com Phone: +977-9801307522	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	1/4"=1'-0"	Designed and Drawn by: Signature: _____ Checked by: Signature: _____	Checked by: Signature: _____ Recommended by: Signature: _____	TYPICAL FLOOR PLAN	ST S-00
			Date: AUG, 2022	Approved by: Signature: _____ Signature: _____	Approved by: Signature: _____	HELAMBU, SINDHUPALCHOWK	



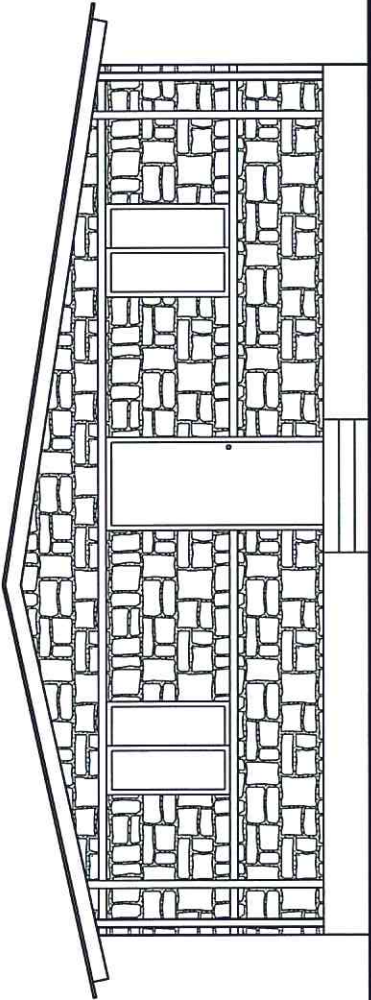




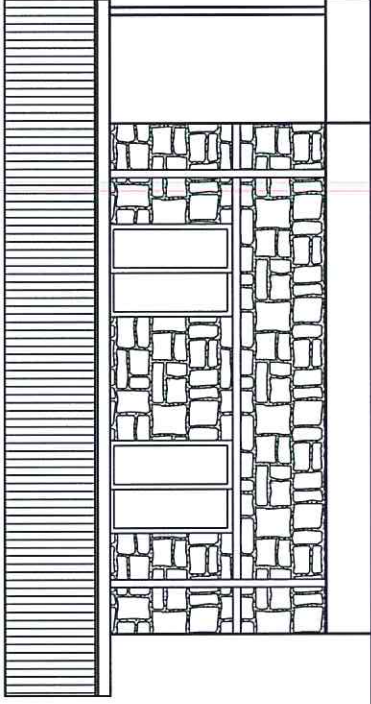
**GROUND FLOOR PLAN**  
 AREA: 462.00 SQ.FT

CLIENT:	Helvetas Nepal	CONSULTANT:	Er. Sandeep Men Shakya Email: sandeep038@gmail.com Phone: +977-9801307522	PROJECT NAME:	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	SCALE:	1/2" = 1'-0" Date: AUG, 2022	CONSULTANT: Designed and Drawn by: Signature: Checked by: Signature: Approved by: Signature: NEC No.	CLIENT:	Checked by: Signature: Recommended by: Signature: Approved by: Signature:	DRAWING TITLE:	GROUND FLOOR PLAN (TYPE ZA)	SHEET NO:	ST S-01

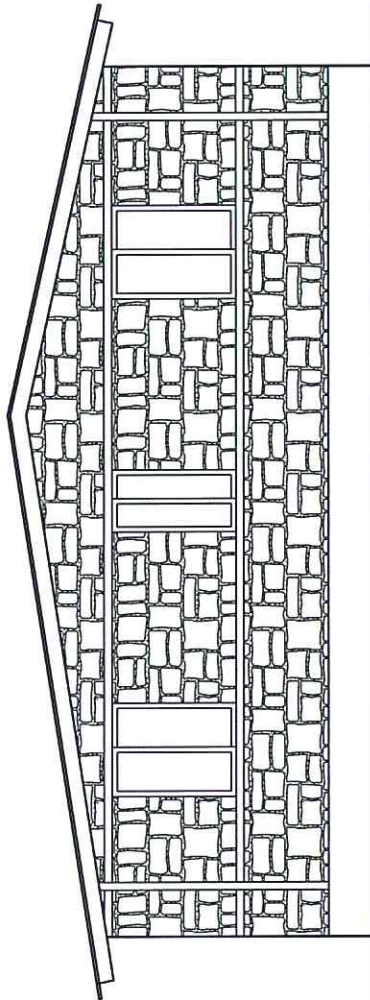




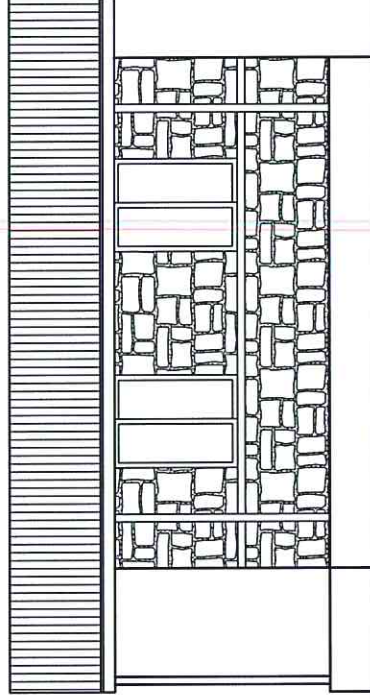
FRONT ELEVATION



SIDE ELEVATION



BACK ELEVATION

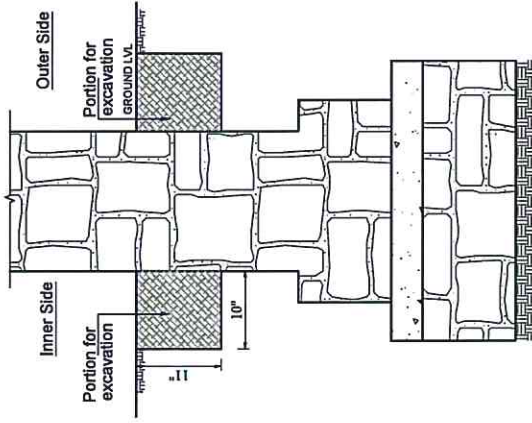


SIDE ELEVATION

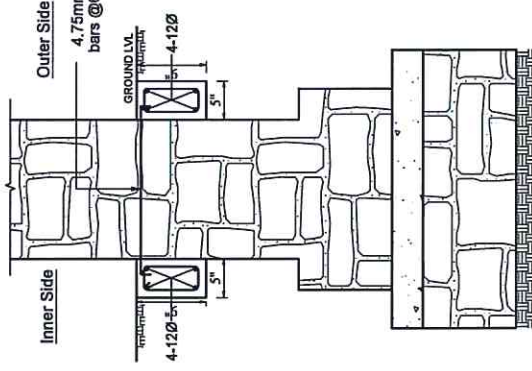
<b>CLIENT:</b>	<b>CONSULTANT:</b>	<b>PROJECT NAME:</b>	<b>SCALE:</b>	<b>CONSULTANT:</b>	<b>CLIENT:</b>	<b>DRAWING TITLE:</b>	<b>SHEET NO.:</b>
Helvetas Nepal	Er. Sandeep Man Shakya Email: sandeep038@gmail.com Phone: +977-9801307522	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	1/4" = 1'-0"	Designed and Drawn by: Signature: Checked by: Signature:	Checked by: Signature: Recommended by: Signature: Approved by: Signature:	ELEVATIONS(TYPE 2A)	ST S-02
			Date: AUG, 2022	Signature: Approved by: Signature:		HELAMBU, SINDHUPALCHOWK	
				Signature: Approved by: Signature:			



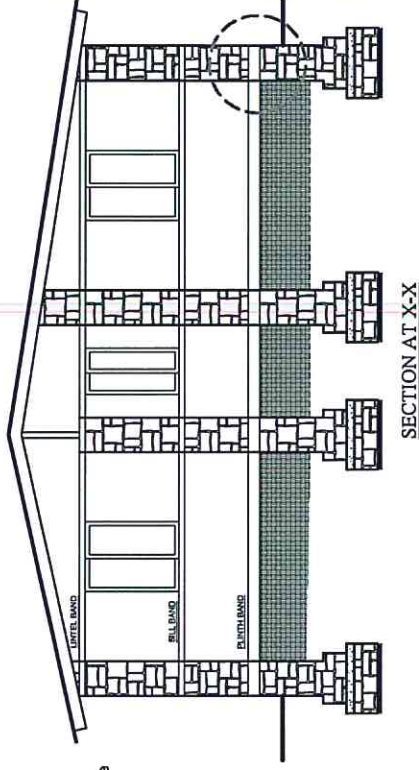
# Type 1: Rectification for damaged plinth band



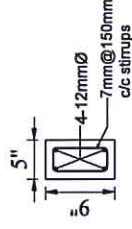
SECTION SHOWING THE PORTION TO BE EXCAVATED FOR TIE BEAM



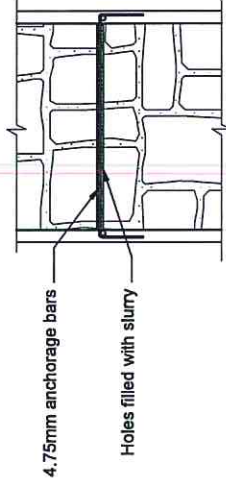
SECTION VIEW AT FOUNDATION



SECTION AT X-X



SECTION OF PLINTH BEAM



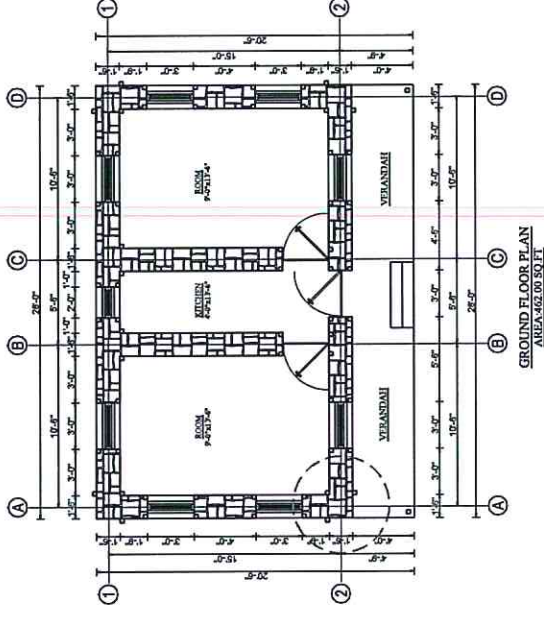
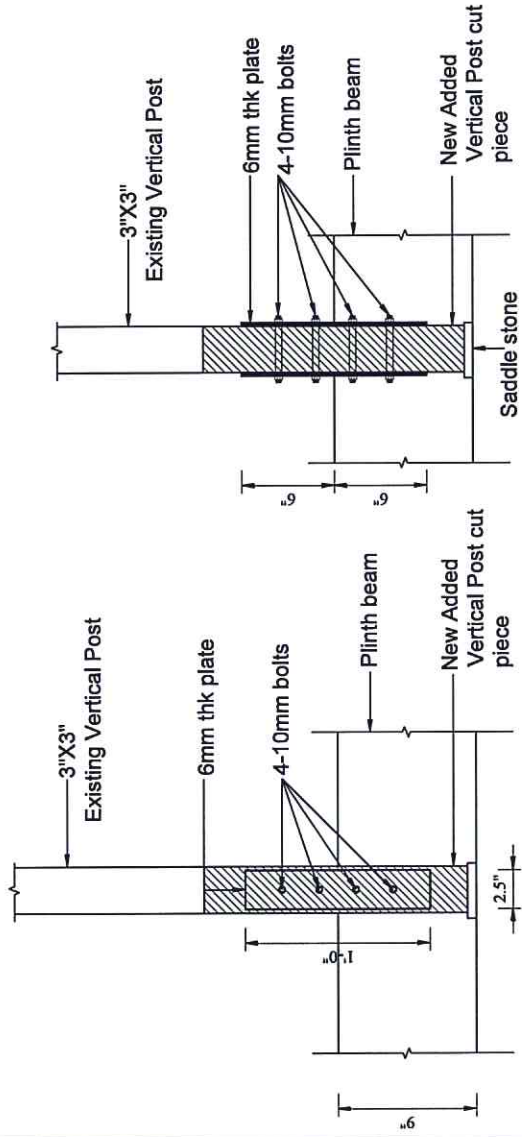
ANCHORAGE BAR DETAIL

- Removal of existing timber Plinth Band
- Replacing timber Band portion by cement, sand, and aggregate mixture
- Addition of reinforced Plinth Band on both sides of the wall
- Application of black japan or oil based paints to the bands
- Resting the existing timber on the bands by using steel plates

CLIENT: <b>Helvetas Nepal</b>	CONSULTANT: Er. Sandeep Men Shakya Email: sandeep038@gmail.com Phone: +977-9801307522	PROJECT NAME: <b>Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District</b>	SCALE: 1/4"=1'-0" 1/8"=1'-0"	CONSULTANT: Designed and Drawn by: Signature: Checked by: Signature:	CLIENT: Checked by: Signature: Recommended by: Signature: Approved by: Signature:	DRAWING TITLE: <b>TYPE 1</b>	SHEET NO.: <b>ST</b> <b>S-03</b>
			Date: AUG, 2022	Signature: Approved by: Signature:	Signature: Approved by: Signature:	HELAMBU, SINDHUPALCHOWK NEC No.	



## Type 2: Rectification for damaged plinth band and vertical post base



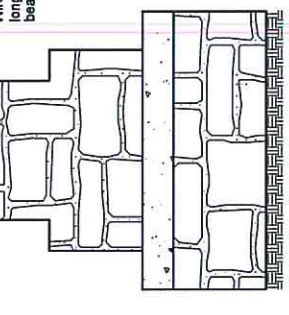
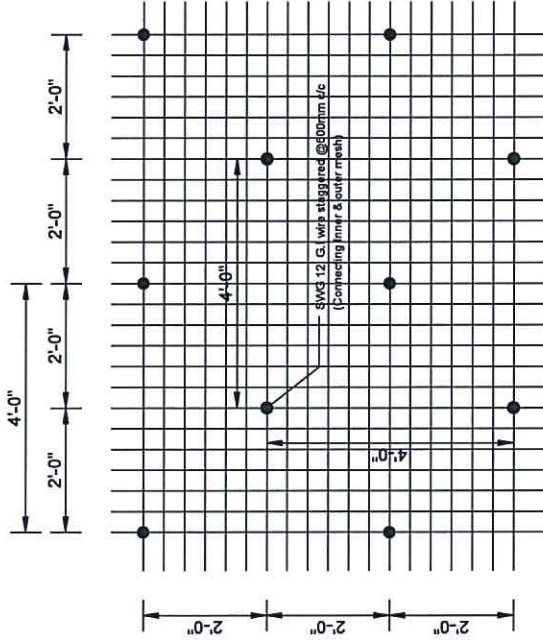
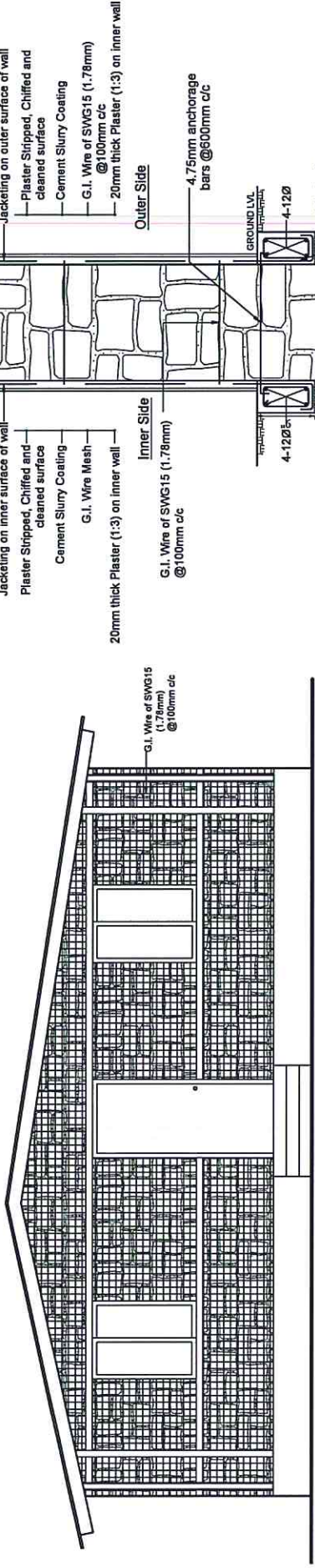
### SECTION SHOWING ADDITION OF STEEL PLATE

- Removal of existing timber Plinth Band
- Replacing timber Band portion by cement, sand, and aggregate mixture
- Addition of reinforced Plinth Band on both sides of the wall
- Application of black japan or oil based paints to the bands
- Adding a cut piece of timber pieces; ensuring the existing timber rests on the bands by using steel plates

CLIENT: <b>Helvetas Nepal</b>	CONSULTANT: Er. Sandeep Man Shakya Email: sandeep@hnp.com.np Phone: +977-9801307522	PROJECT NAME: <b>Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District</b>		SCALE: 1"=1'-0" 1"=1'-0"	CONSULTANT: Designed and Drawn by: Signature: Checked by: Signature:		CLIENT: Checked by: Signature: Recommended by: Signature: Approved by: Signature:	DRAWING TITLE: <b>TYPE 2</b>	SHEET NO: <b>ST</b> <b>S-04</b>
				Date: AUG, 2022	Signature: Approved by: Signature: Signature: Signature: Signature:	HELAMBU, SINDHUPALCHOWK			



# Type 3: Addition of GI wiremesh on both sides of the wall (If plinth, sill and lintel band are damaged)



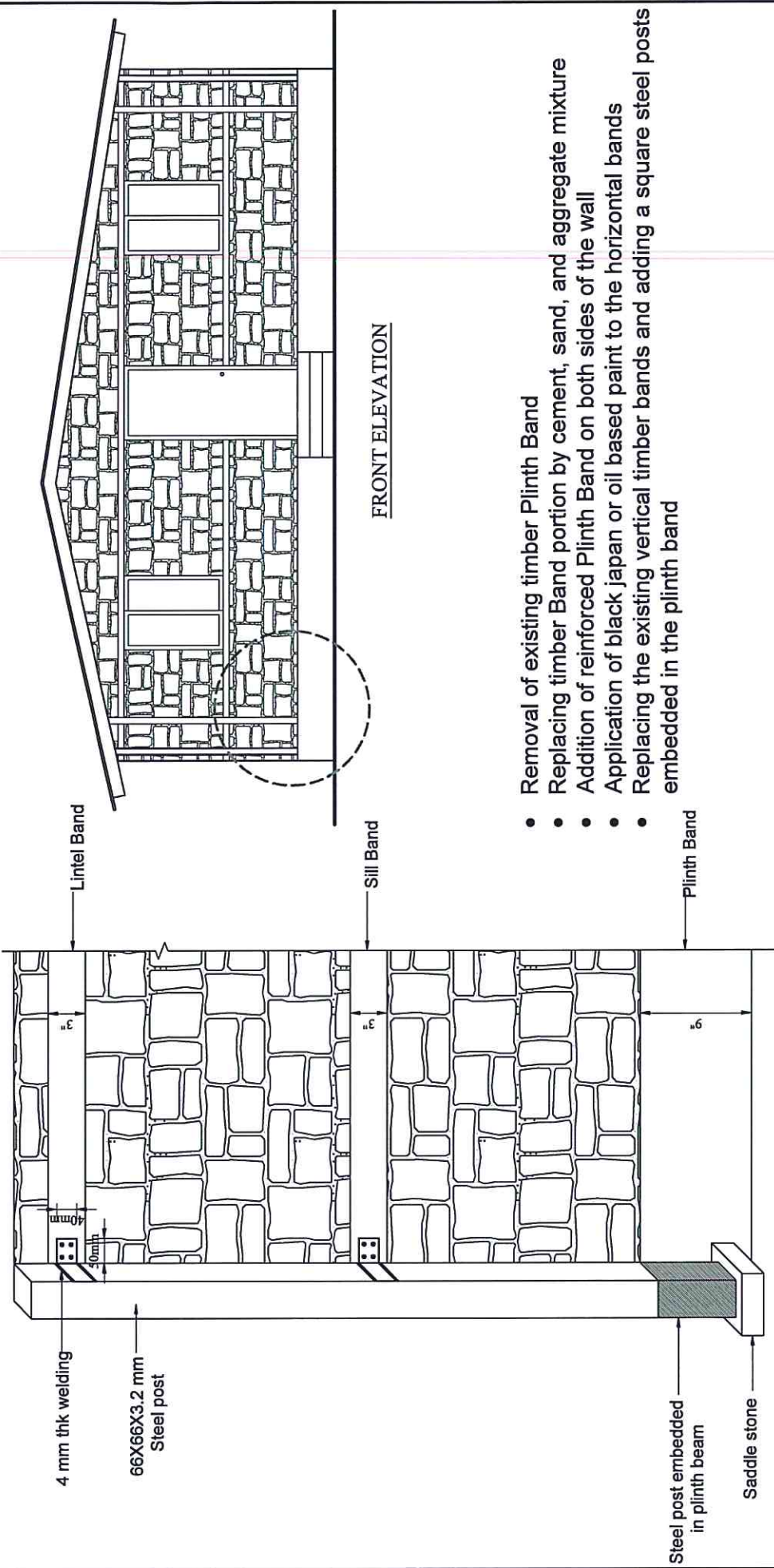
- Removal of existing timber Plinth Band
- Replacing timber Band portion by cement, sand, and aggregate mixture
- Addition of reinforced Plinth Band on both sides of the wall
- Application of black japan or oil based paint to the bands
- Adding a cut piece of timber pieces in place of damaged one
- Addition of 15G wiremesh on both sides of the walls

LAYOUT OF G.I. WIRE ANCHORAGE FOR CONNECTING JACKETING MESH ON BOTH SIDES OF WALL

CLIENT:	CONSULTANT:	PROJECT NAME:	SCALE:	CONSULTANT:	CLIENT:	DRAWING TITLE:	SHEET NO.:
Helvetas Nepal	Er. Sandeep Man Shakya Email: sandeep038@gmail.com Phone: +977-9801307522	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	1"=1'-0" 3/4"=1'-0"	Designed and Drawn by: Signature: Checked by: Signature: Approved by: Signature:	Checked by: Signature: Recommended by: Signature: Approved by: Signature:	TYPE 3 HELAMBU, SINDHUPALCHOWK	ST S-05



# Type 4: Replacing outer vertical post with 66X66X3.2 mm steel post (If outer vertical posts are damaged)

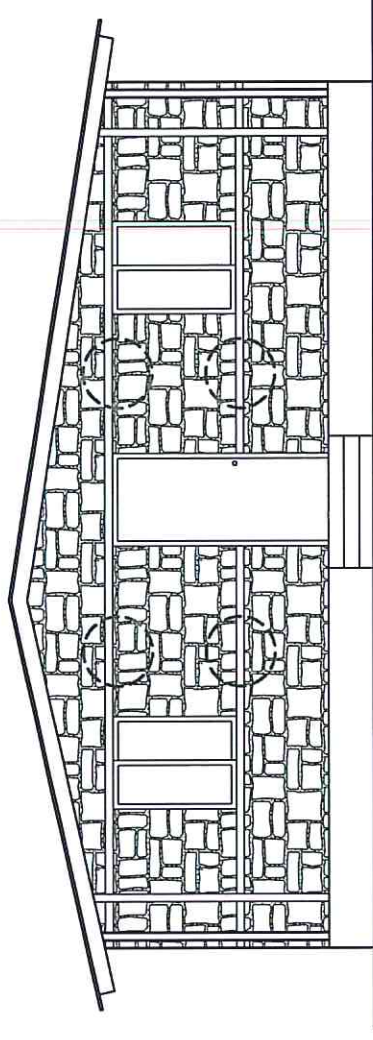


- Removal of existing timber Plinth Band
- Replacing timber Band portion by cement, sand, and aggregate mixture
- Addition of reinforced Plinth Band on both sides of the wall
- Application of black japan or oil based paint to the horizontal bands
- Replacing the existing vertical timber bands and adding a square steel posts embedded in the plinth band

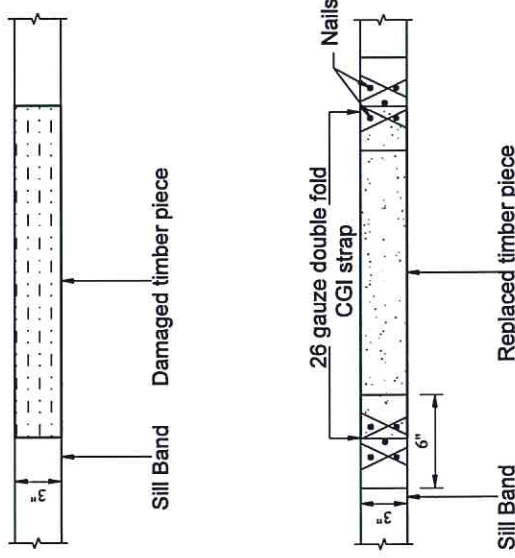
<b>CLIENT:</b>	<b>CONSULTANT:</b>	<b>PROJECT NAME:</b>	<b>SCALE:</b>	<b>CONSULTANT:</b>	<b>CLIENT:</b>	<b>DRAWING TITLE:</b>	<b>SHEET NO.:</b>
Helvetas Nepal	Er. Sandeep Man Shakya Email: sandiepo38@gmail.com Phone: +977-9801307522	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	1/2=1'-0" 1/4=1'-0"	Designed and Drawn by: Signature: Checked by: Signature: Dates: AUG, 2022	Checked by: Signature: Recommended by: Signature: Approved by: Signature:	TYPE 4	ST S-06
				Signature: Approved by: Signature:		HELAMBUI, SINDHUPALCHOWK	
				Signature: Approved by: Signature:			
				Signature: Approved by: Signature:			
				Signature: Approved by: Signature:			



## Type 5: Addition of new timber cut piece (Localized failure of sill, lintel and roof band)



FRONT ELEVATION

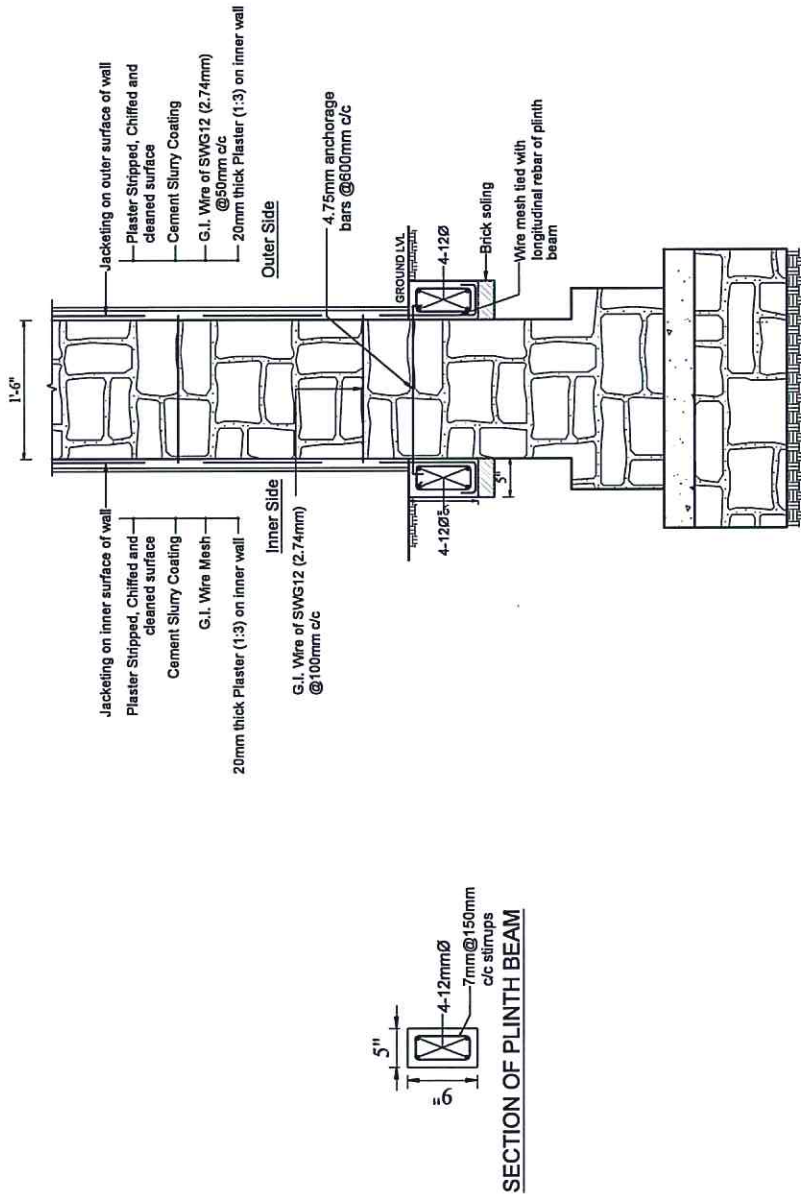


- Removal of damaged timber portion
- Addition of a new cut piece
- Connecting new and old timber pieces by a GI strap and nails

NOTE: APPLY TWO COATS OF BLACK JAPAN OR OIL BASED PAINT ON EXPOSED TIMBER BANDS

CLIENT: <b>Helvetas Nepal</b>	CONSULTANT: Er. Sandeep Man Shakya Email: sandeep038@gmail.com Phone: +977-9801307522	PROJECT NAME: <b>Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District</b>	SCALE: 1/4"=1'-0" 1/8"=1'-0"	CONSULTANT: Designed and Drawn by: Signature: Checked by:		CLIENT: Checked by: Signature:		DRAWING TITLE: TYPE 5	SHEET NO: ST S-07
			Date: AUG, 2022	Signature: Approved by: Signature:	Signature: Recommended by: Signature:	Signature: Approved by: Signature:	HELAMBU, SINDHUPALCHOWK NEC No.		

# Type 6: Applying 12 gauge wiremesh in pier (If the pier length is less than 600mm)



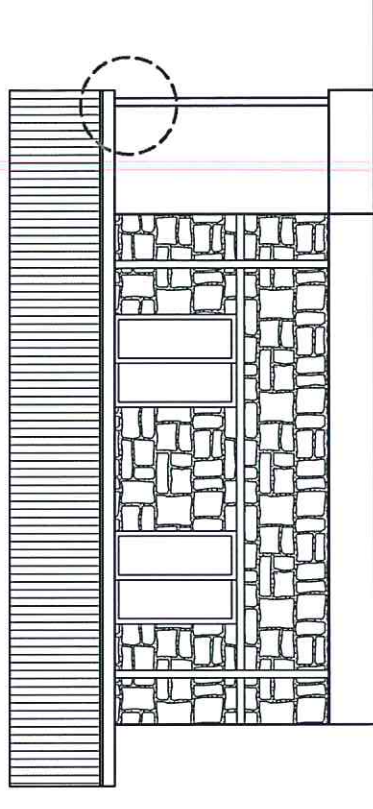
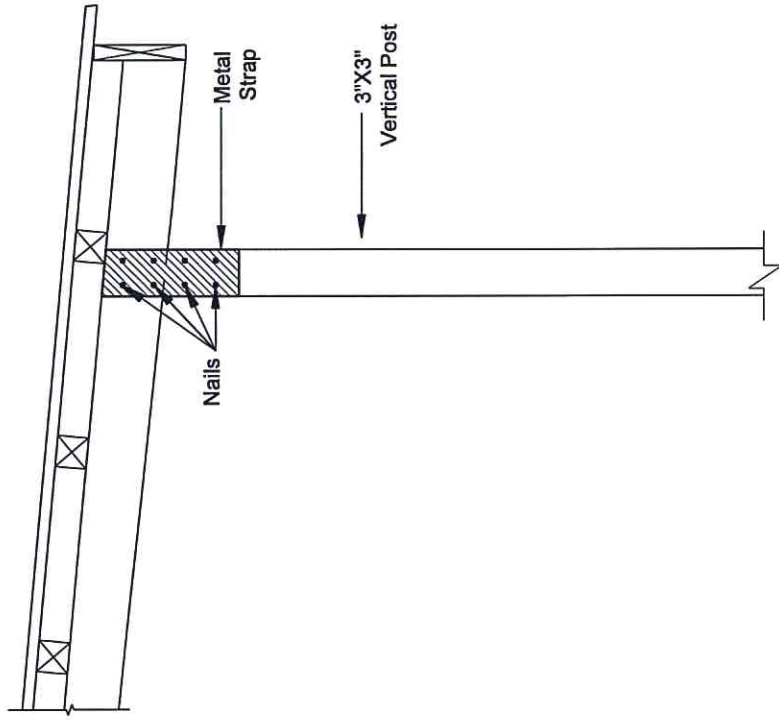
- Addition of reinforced Plinth Band on both sides of the wall
- Application of black japan or oil based paint to the bands
- Addition of 12G wire mesh at 50mm c/c connected at plinth band and folded across the roof band

<b>CLIENT:</b>	<b>CONSULTANT:</b>	<b>PROJECT NAME:</b>	<b>SCALE:</b>	<b>CONSULTANT:</b>	<b>CLIENT:</b>	<b>DRAWING TITLE:</b>	<b>SHEET NO.:</b>
Helvetas Nepal	Er. Sandeep Man Shakya Email: sandeep038@gmail.com Phone: +977-9801307522	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	1/4"=1'-0" 1/2"=1'-0"	Designed and Drawn by: Signature: Checked by: Signature:	Checked by: Signature: Recommended by: Signature:	TYPE 6	ST
			Date: AUG, 2022	Signature: Approved by: Signature:	Signature: Approved by: Signature:	HELAMBU. SINDHUPALCHOWK	S-08





# Type 7: Connection improvement



SIDE ELEVATION

- Connecting two timber bands by a GI strap and providing adequate nailings
- Application of black japan or oil based paint to the bands

CLIENT:	CONSULTANT:	PROJECT NAME:	SCALE:	CONSULTANT:	CLIENT:	DRAWING TITLE:	SHEET NO.:
Helvetas Nepal	Er. Sandeep Man Shakya Email: sandeep038@gmail.com Phone: +977-9801307522	Structural Condition Evaluation of SMM Houses with Timber Bands at Sindhupalchowk District	1/4"=1'-0" 1/8"=1'-0" Date: AUG, 2022	Designed and Drawn by: Signature: Checked by: Signature: Approved by: Signature: NEC No.	Checked by: Signature: Recommended by: Signature: Approved by: Signature:	TYPE 7 HELAMBU, SINDHUPALCHOWK	ST S-09

