

# STANDARD BIDDING DOCUMENT

## **Procurement of Small Works (up to Nu4.0 million)**

**CONSTRUCTION OF FARM STORE CUM WORKSHOP  
AT AR&DC-WANGDUE,BAJO 2016.**



**Royal Government of Bhutan  
Ministry of Finance**

**March 2011**  
(Revised on June 2014)

## **Preface**

This Standard Bidding Document for the Procurement of small works up to Nu4.0 million has been prepared by the Public Procurement Policy Division (PPPD) Ministry of Finance to be used for the Procurement of small works through National Competitive Bidding (NCB) in projects that are financed in whole or in part by the Royal Government of Bhutan (RGoB). It should be used in conjunction with the Procurement Rules and Regulations.

Those wishing to submit comments or questions on this Bidding Document or to obtain additional information on procurement under RGoB-financed projects may contact:

Public Procurement Policy Division (PPPD)  
Ministry of Finance  
Royal Government of Bhutan  
[pppd@mof.gov.bt](mailto:pppd@mof.gov.bt)

INVITATION FOR BID  
(IFB)

ROYAL GOVERNMENT OF BHUTAN  
**Construction of Farm store cum Workshop at AR&DC, Wangdue, Bajo**

INVITATIONS FOR BIDS (IFB)  
*(Required in case of open tender)*

**NATIONAL COMPETITIVE BIDDING**

Date: 21<sup>st</sup> September 2016

Bid No.: AR&DC-B/Acctt.-11/2016-2017/.....

- 1 The **Program Director, AR&DC Bajo, Department of Agriculture, MoAF** invites bids for the construction of works detailed in the table. The bidders may submit bids for any or all of the following works, for the package or for any of the slices.
- 2 Bidding documents can be download from [www.cdb.gov.bt](http://www.cdb.gov.bt) and [www.moaf.gov.bt](http://www.moaf.gov.bt) at free of cost. Interested bidders may obtain further information at the same address, from 21st September **2016 to 20<sup>th</sup> October 2016**.
- 3 Bids must be accompanied by a bid security of **Nu.79,665.00/- (Ngultrum Seventy nine thousand six hundred sixty five)** only, of individual bid, drawn in favor of **Program Director, AR&DC Bajo, Department of Agriculture, MoAF**. Bid security will have to be in any one of the forms as specified in the bidding document and shall have to be valid for 30 days beyond the validity of the bid.
- 4 Bids must be delivered to **Program Director, AR&DC Bajo, MoAF on or before 11:00AM 21<sup>st</sup> October 2016** and will be opened in the **AR& RDC Bajo, Conference Hall** on the same day at **11:30AM** in the presence of the bidders who wish to attend.
- 5 The pre-bid meeting will be not conducted.
- 6 Any addendum will be notified through MoAF website. [www.moaf.gov.bt](http://www.moaf.gov.bt) or [www.cdb.gov.bt](http://www.cdb.gov.bt) and or contact RDC Bajo.

<b>INVITATIONS FOR BIDS (IFB).....</b>	<b>4</b>
<b>Section 1: Instruction to Bidder (ITB) .....</b>	<b>7</b>
A. General .....	7
1. Scope of the Tender.....	7
2. Corrupt Fraudulent Collusive or Coercive Practices .....	7
3. Eligible Bidders .....	8
4. Site Visit.....	8
B. Content of Bidding Document.....	8
5. Contents of Bidding Documents.....	8
6. Clarification of Bidding Documents.....	8
7. Amendment of Bidding Documents .....	8
C. Preparation of Bids.....	9
8. One Bid per Bidder .....	9
9. Bid Preparation Costs .....	9
10. Language of Bid.....	9
11. Documents comprising the Bid.....	9
12. Letter of Bid and Schedule.....	9
13. Alternative Bid .....	9
14. Bid Price and Discount .....	9
15. Currencies of Bid and Payment.....	10
16. Documents comprising the Technical Proposal.....	10
17. Documents establishing the Qualification of the Bidder .....	10
18. Bid Validity .....	10
19. Bid Security .....	10
20. Format and Signing of Bid.....	10
D. Submission and Opening of Bids .....	11
21. Sealing and Marking of Bids .....	11
22. Bid Submission Deadline .....	11
23. Late Bids .....	11
24. Modification, Substitution or Withdrawal of Bids .....	11
25. Bid Opening.....	11
26. Confidentiality .....	12
27. Clarification.....	12
28. Bidder: Contacting the Employer .....	12
29. Determination of Responsive-ness.....	12
30. Non Conformities, Errors and Omissions .....	12
31. Evaluation and Comparison of Tenders.....	13
32. Employer's Right to Accept or Reject any or all.....	13
F. Contract Award .....	13
33. Award Criteria .....	13
34. Notification of Award .....	13
35. Complaints.....	13
<b>Section 2: Bidding Data Sheet.....</b>	<b>14</b>
A. General .....	14
B. Bidding Documents .....	14
C. Preparation of Bids.....	14
D. Submission and Opening of Bids.....	15
F. Award of Contract.....	15
<b>Section 3: Evaluation and Qualification Criteria.....</b>	<b>16</b>
<b>Section 5: General Conditions of Contract.....</b>	<b>21</b>
1. Definitions .....	21
2. Interpretation & Documents forming the Contract .....	21

3.	Corrupt, Fraudulent, Collusive or Coercive Practices .....	22
4.	Governing Language and Law .....	22
5.	Engineer's Decision .....	22
6.	Delegation.....	22
7.	Communications and Notices .....	22
8.	Sub- Contracting.....	23
9.	Contractor's Personnel .....	23
10.	Welfare of Labourers & Child Labour .....	23
11.	Safety, Security and Protection of the Environment.....	23
12.	Access to the Site.....	23
13.	Documents, Information. ....	23
14.	Property .....	23
15.	Insurance .....	23
16.	Possession of the Site .....	23
17.	Commencement of Works.....	23
18.	Completion of Works.....	24
19.	Programme of Works .....	24
20.	Early Warning.....	24
21.	Compensation Events.....	24
22.	Non-Scheduled Items of Works.....	24
23.	Schedule of Works .....	24
24.	Payment Certificates.....	24
25.	Payments and Currency .....	24
26.	Retention .....	25
27.	Liquidated Damages .....	25
28.	Performance Security .....	25
29.	Price Adjustment .....	25
30.	Completion .....	25
31.	Correction of Defects .....	25
32.	Taking Over .....	25
33.	Final Account .....	25
34.	Termination.....	25
35.	Payment upon Termination .....	26
36.	Release from Performance .....	26
37.	Force Majeure .....	27
38.	Settlement of Disputes.....	27
<b>Section 6: Special Conditions of Contract .....</b>		<b>28</b>
<b>Section 7: Contract Forms .....</b>		<b>30</b>
Form-1 .....		31
Notification of Award .....		31
Form-2.....		32
Contract Agreement.....		32
Form-3.....		33
Bank Guarantee for Performance Security.....		33
Form-4.....		34
Bank Guarantee for mobilisation advance.....		34
<b>Section 8: Bill of Quantities (BoQ) .....</b>		<b>35</b>

# Section 1: Instruction to Bidder (ITB)

## A. General

1. Scope of the Tender
  - 1.1 The Employer, as **indicated in the BDS** issues this Bidding Document for the procurement of Works as specified in Section 6 (Employer's requirement): The name, identification and identification of this bidding are **provided in the BDS**.
  - 1.2 The successful Bidder will be required to complete the Works within the Time for Completion stated in the Special Conditions of Contract (SCC).
  - 1.3 Throughout this Bidding Documents;
    - (a) The term "in writing means communicated in written form with proof of receipt;
    - (b) If the context so requires, singular means plural and vice versa; and
    - (c) "day" means calendar day.
2. Corrupt Fraudulent Collusive or Coercive Practices
  - 2.1 The Royal Government of Bhutan requires that Employers and the Bidders shall observe the highest standard of ethics during the implementation of procurement proceedings and the execution of Contracts under public funds.
  - 2.2 In pursuance of this requirement, the Employer shall
    - (a) exclude the bidder from participation in the procurement proceeding concerned or reject a proposal for award; and
    - (b) declare a bidder ineligible, either indefinitely or for a stated period of time, from participation in procurement proceedings under public funds;
  - 2.3 If it, at any time, determines that the bidder has engaged in corrupt, fraudulent, collusive or coercive practices in competing for, or in executing, a Contract under the public funds.
  - 2.4 The Government defines, for the purposes of this provision, the terms set forth below as follows:
    - (a) "**corrupt practice**"<sup>1</sup> is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;
    - (b) "**fraudulent practice**"<sup>2</sup> is any intentional act or omission including misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefits or to avoid an obligation;
    - (c) "**collusive practice**"<sup>3</sup> is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;
    - (d) "**coercive practice**"<sup>4</sup> is impairing or harming or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party.

---

<sup>1</sup> 'Another party' refers to a public official acting in relation to the procurement process or contract execution.

<sup>2</sup> A 'party' refers to a public official; the term 'benefit' and 'obligation' relate to the procurement process or contract execution; and the 'act or omission' is intended to influence the procurement process or contract execution.

<sup>3</sup> 'parties' refers to participations in the procurement process including public officials attempting to establish bid prices at artificial, non competitive levels.

<sup>4</sup> A 'party' refers to a participant in the procurement in the procurement process or contract execution.

- 2.5 The bidder shall be aware of the provisions on fraud and corruption stated in GCC Clause 3 and GCC Sub-Clause 34.2(d).
- 2.6 The RGoB requires that the Employer's personnel have an equal obligation not to solicit, ask for and/or use coercive methods to obtain personal benefits in connection with the said proceedings.
3. Eligible Bidders
  - 3.1 Bidders of the categories **specified in the BDS** are eligible to participate in this bidding process.
  - 3.2 The Employer shall invite Bids using the Open Tendering Method (National Competitive Bidding) or limited tender as applicable.
  - 3.3 The bidder shall meet the qualification requirement stated in the BDS
4. Site Visit
  - 4.1 The Bidders, at their own responsibility and risk, is encouraged to visit and examine the Site and obtain all information that may be necessary for preparing the bid and entering into a Contract for performance of the Works. The costs of visiting the Site shall be at the bidder's own expense.

## B. Content of Bidding Document

5. Contents of Bidding Documents
  - 5.1 The sections comprising the Bidding Document are listed below and should be read in conjunction with any Amendment issued in accordance with ITB Clause 7:
 

**PART 1 Bidding Procedures**

    - Section 1: Instructions to Bidders (ITB)
    - Section 2: Bidding Data Sheet (BDS)
    - Section 3: Evaluation and Qualification Criteria
    - Section 4: Bidding forms
    - Section 5: General Conditions of Contract (GCC)
    - Section 6: Special Conditions of Contract (SCC)
    - Section 7: Contract Forms
    - Section 8: Bill of Quantities & Specifications
    - Section 9: Drawings
  - 5.2 The Employer is not responsible for the completeness of the Bidding Document and their Addenda, if they were not obtained directly from the source stated by the Employer in the Invitation for Bids.
  - 5.3 The Bidder is expected to examine all instructions, forms terms, and specifications in the Bidding Documents. Failure to furnish all information or documentation required by the Bidding Documents may result in the rejection of the bid.
6. Clarification of Bidding Documents
  - 6.1 A prospective Bidder requiring any clarification of the Bidding Document shall contact the Employer in writing at the Employer's address **indicated in the BDS**.
7. Amendment of Bidding Documents
  - 7.1 At any time prior to the deadline for submission of Bid, the Employer may amend the Bidding Document by issuing addenda and extend the deadline for the submission of bids at its discretion. Any amendment issued shall become an integral part of the Bidding Document and shall be communicated in writing to all those who have purchased the Bidding Document.



## C. Preparation of Bids

- |                                  |   |
|----------------------------------|---|
| 8. One Bid per Bidder            | 8.1 A Bidder shall submit only one (1) Bid. A Bidder who submits or participates in more than one (1) Bid shall cause all the proposals with the Bidder's participation to be disqualified.   |
| 9. Bid Preparation Costs         | 9.1 The Bidder shall bear all costs associated with the preparation and submission of its Bids, and the Employer shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the Bidding process.  |
| 10. Language of Bid              | 10.1 All documents relating to the Bid shall be in the language specified in the BDS.   |
| 11. Documents comprising the Bid | <p>11.1 The original and copy(ies) of Bid submitted by the Bidder shall comprise the following:</p> <ul style="list-style-type: none"> <li>(a) The Bid form (in the format indicated in Section IV – Forms of Bid, Qualification Information, Letter of Acceptance, and Contract);</li> <li>(b) License and certificate</li> <li>(c) Bid Security in accordance with Clause 19;</li> <li>(d) Priced Bill of Quantities;</li> <li>(e) and any other materials required to be completed and submitted by Bidders, as specified in the BDS.</li> </ul> <p>11.2 The Instruction to Bidders, Bidding Data Sheet, General Conditions of Contract, Special Conditions of Contract, Specifications and drawings are for the information of the bidders and is not required to be submitted by the bidder,</p>   |
| 12. Letter of Bid and Schedule   | 12.1 The letter of Bid, Schedules, and all documents listed under Clause 11, shall be prepared using the relevant forms in Section 4 (Bidding Forms), if so provided in BDS. The forms must be completed without any alterations to the text, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested.   |
| 13. Alternative Bid              | 13.1 Alternative Bid shall not be considered in small works.  |
| 14. Bid Price and Discount       | <p>14.1 The prices and discounts quoted by the Bidder in the Letter of Bid and in the Schedules shall confirm to the requirements specified below;</p> <p>14.2 The bidder shall submit a bid for the whole of the works described in ITB 1.1 by filling in prices for all items of the Works, as identified in Section 4, Bidding Forms. In case of admeasurements contracts, the Bidder shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Items against which no rate or price is entered by the Bidder will not be paid for by the Employer when executed and shall be deemed covered by the rates for other items and prices in the Bill of Quantities.</p> <p>14.3 The Bid price shall take into account the cost of materials, transportation, labour, taxes, levies, overheads and profit and any other cost. The Bid price shall be fixed for the duration of performance of the Contract and shall not be subject to any adjustment on any account. The Bid price shall be applicable for the whole works described in the Drawings, Specifications and Schedule of Works.</p> |

15.Currencies of Bid and Payment	15.1 All prices shall be quoted in Bhutanese Ngultrum (BTN) and shall be paid in BTN.
16.Documents comprising the Technical Proposal	16.1 The bidder shall furnish a work plan in simple bar chart and other information if provided in BDS, to demonstrate the adequacy of the Bidders' proposal to meet the work requirements and the completion time.
17.Documents establishing the Qualification of the Bidder	17.1 To establish its qualification to perform the Contract in accordance with Section 3 (Evaluation and Qualification Criteria) the Bidder shall provide the information requested in the corresponding information sheets included in Section 4 (Bidding Forms)
18.Bid Validity	18.1 Bids shall remain valid for the period <b>specified in the BDS</b> . Any Bids which does not meet the validity requirement as per the BDS shall be rejected by the Employer as non-responsive.
19.Bid Security	<p>19.1 The Bidder shall at their option furnish, as part of the Bid, a Bid Security as <b>specified in the BDS</b> issued by any reputed Financial Institutions in Bhutan and shall be valid thirty (30) days beyond the Bid validity period.</p> <p>(a) Unconditional Bank Guarantee;</p> <p>(b) A demand Draft; or</p> <p>(c) Cash Warrant</p> <p>19.2 In exceptional circumstances, prior to the expiration of the Bid validity period, the Employer may solicit the Bidder's consent to an extension of the Bid validity period. The request and responses shall be made in writing. The validity of Bid Security shall be suitably extended promptly.</p> <p>19.3 The Bid Security may be forfeited:</p> <p>(a) if the Bidder withdraws the Bid after Bid opening during the period of Bid validity. Further the bidder may be excluded from future participation for a period of two years.</p> <p>(b) if the Bidder does not accept the correction of the Bid price, pursuant to clause 31; or</p> <p>(c) in the case of a successful Bidder, if the Bidder fails within the specified time limit to sign the Agreement; or furnish the required Performance Security.</p>
20.Format and Signing of Bid	<p>20.1 The Bidder shall prepare one (1) original of the documents comprising the Bid as described in ITB Clause 11 and clearly mark it "ORIGINAL." In addition, the Bidder shall prepare the number of copies of the Bid, as specified in the BDS and clearly mark each of them "COPY." In the event of any discrepancy between the original and the copies, the original shall prevail.</p> <p>20.2 The original and each copy of the Bid shall be typed or written in indelible ink and shall be signed by the person duly authorized to sign on behalf of the Bidder.</p> <p>20.3 Any interlineations, erasures, or overwriting shall be valid only if they are signed or initialled by the person(s) signing the Bid.</p>

## D. Submission and Opening of Bids

21. Sealing and Marking of Bids
- 21.1 The Bidder shall enclose the original in one (1) envelope and all the copies of the bid in another envelope, duly marking the envelopes as "ORIGINAL" and "COPY." These two (2) envelopes shall then be enclosed in one (1) single outer envelope.
- 21.2 The inner envelopes shall:
- (a) Be signed across the seals by the person authorised to sign the Bid on behalf of the Bidder;
  - (b) Be marked "**ORIGINAL**" and "**COPY**" and
  - (c) Bear the name and address of the Bidder.
- 21.3 The outer envelope shall;
- (a) Be signed across the seals by the person authorised to sign the Bid on behalf of the Bidder;
- 21.4 be addressed to the Employer at the address specified in the BDS; bear a statement "**DO NOT OPEN BEFORE.....**" the time and date for Bid opening as specified in the BDS.
- 21.5 If all or any envelopes are not sealed and marked as required by ITB Sub-Clause 21, the Employer **shall not reject the bids but assume no responsibility for the misplacement or premature opening of the Bid.**
22. Bid Submission Deadline
- 22.1 Bids must be received by the Employer at the address and no later than the date and time **specified in the BDS.**
- 22.2 Bids may be hand delivered, posted by registered mail or sent by courier.
- 22.3 The Employer may, at its discretion, extend the deadline for the submission of Bids by amending the Bidding Document in accordance with ITB Clause 7, in which case all rights and obligations of the Employer and Bidders previously subject to the deadline shall thereafter be subject to the new deadline as extended.
23. Late Bids
- 22.4 Late bids shall not be considered and shall be returned unopened
24. Modification, Substitution or Withdrawal of Bids
- 22.5 A Bidder may modify, substitute or withdraw their Bids after it has been submitted by sending a written notice before the deadline for submission of Bids.
25. Bid Opening
- 25.1 The Employer shall open the Bids in the presence of the bidders who is attending the bid opening, including modifications or substitutions made pursuant to ITB Clause 24. Bidders or their representatives shall be allowed to attend and witness the bid opening and shall sign a register evidencing their attendance.
- 25.2 The name of the Bidder, Bid modifications, substitutions or withdrawals, total amount of each Bid, number of corrections, discounts, and the presence or absence of requisite Bid Security, and such other details as the Employer, at its discretion, may consider appropriate, shall be read out aloud and recorded.
- 25.3 The Employer shall prepare minutes of the Bid opening. The minutes shall include, as a minimum, the name of the Bidders and whether there has been a withdrawal, substitution or modification; the Bid Price including any discounts and the presence or absence of a Bid Security, if one was required.
- 25.4 Bids not opened and read out at the Bid opening shall not be considered, irrespective of the circumstances, and shall be returned unopened to the Bidder.

25.5 Bids shall be rejected at the Bid opening only on the following grounds;

- (a) If the bid form is not complete and signed
- (b) Non-signing of BoQ; and
- (c) Insufficient amount of Bid Security and validity

## E. Tender Opening and Evaluation

26. Confidentiality	26.1 After the opening of Bids, information relating to the examination, clarification, and evaluation of Bids and recommendations for award shall not be disclosed to Bidders or other persons not officially concerned with the evaluation process until after the award of the Contract is announced.
27. Clarification	27.1 The Employer may ask Bidders for clarification of their Bids in order to facilitate the examination and evaluation of Bids. The request for clarification and the response shall be in writing, and any changes in the prices or substance of the Bid shall not be sought, offered or permitted, except to confirm the correction of arithmetical errors discovered by the Employer in the evaluation of the Bids, in accordance with ITB Clause 31.
28. Bidder: Contacting the Employer	29.1 Following the opening of Bids and until the Contract is signed no Bidder shall make any unsolicited communication to the Employer or try in any way to influence the Employer's examination and evaluation of Bids which may result in the rejection of bids. If any Bidder wishes to contact the Employer on any matter related to the Bidding process, it should do so in writing
29. Determination of Responsive- ness	<p>29.1 The Employer's determination of a bid's responsiveness is to be based on the contents of the Bid itself without recourse to extrinsic evidence.</p> <p>29.2 A substantially responsive Bid is one that conforms in all respects to the requirements of the Bidding Document without material deviation, reservation or omission. A material deviation, reservation or omission is one that:</p> <ul style="list-style-type: none"><li>(a) affects in any substantial way the scope, quality, or performance of the Works specified in the Contract; or</li><li>(b) limits in any substantial way, or is inconsistent with the Bid Document, the Employer's rights or the Bidder's obligations under the Contract; or</li><li>(c) if rectified would unfairly affect the competitive position of other Bidders presenting substantially responsive Bids.</li></ul> <p>29.3 If a Bid is not substantially responsive to the Bidding Document it shall be rejected by the Employer and shall not subsequently be made responsive by the Bidder by correction of the material deviation, reservation or omission.</p> <p>29.4 There shall be no requirement as to the minimum number of responsive Bids.</p>
30. Non Conformities, Errors and Omissions	30.1 The Employer may regard a Bid as responsive even if it contains minor deviations that do not materially alter or depart from the characteristics, terms, conditions and other requirement set forth in the Bidding Document or if it contains errors or oversights that are capable of being corrected without affecting the substance of the Bid.

31.Evaluation and Comparison of Tenders	<p>31.1 The Employer shall evaluate and compare only those Bids determined to be substantially responsive to the requirements of the Bidding Document. Substantially responsive Bids are those which fulfil the requirements of ITB Clauses 11 and 12.</p> <p>31.2 The evaluation will take into account corrected Bid Price and discounts (if any).</p> <p>31.3 The Employer will check substantially responsive Bids for any arithmetical errors. Where there is a discrepancy between the amounts in figures and words, the amount in words will govern. If a Bidder refuses to accept the correction, its Bids shall be rejected. The Employer shall correct arithmetical errors on the following basis:</p> <p>(a) if there is a discrepancy between the unit price and the line item total, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Employer there is an obvious misplacement of the decimal point in the unit price, in which case the total price, as quoted, shall govern and the unit price shall be corrected; and</p>
32.Employer's Right to Accept or Reject any or all	<p>32.1 The Employer reserves the right to accept any Bid, to annul the Bid proceedings, or to reject any or all Bids, at any time prior to Contract award, without thereby incurring any liability to Bidders, or any obligation to inform Bidders of the grounds for the Employer's actions.</p>

## F. Contract Award

33.Award Criteria	<p>33.1 The Employer shall award the Contract to the Bidders whose offer is substantially responsive to the Bidding Document and that has been determined to be the lowest evaluated Bid, provided that the Bidder is determined to be qualified to perform the Contract satisfactorily</p>
34.Notification of Award	<p>34.1 Prior to the expiration of the period of Bid validity, the Employer shall notify the successful Bidder, in writing that its Bid has been accepted. Until a formal contract is prepared and executed, the Notification of Award shall constitute a binding Contract.</p> <p>34.2 Within fifteen (15) working days of the receipt of the Notification of Award from the Employer, the successful Bidder shall furnish the Performance Security, in the amount specified in the BDS.</p> <p>34.3 The proceeds of the performance security shall be payable to the Employer unconditionally upon first written demand as compensation for any loss resulting from the Contractor's failure to complete its obligations under the Contract</p> <p>34.4 Within fifteen (15) working days of receipt of the notification of award, the successful Bidder shall sign, date and return it to the Employer.</p>
35.Complaints	<p>35.1 If there are any complaints both the parties shall submit the complaints as specified in BDS. The complaints if any shall be submitted within 10 working days from the date of notification of award.</p>

## Section 2: Bidding Data Sheet

*Instructions for completing the Bidding Data Sheet are provided, as needed, in the notes in italics mentioned for the relevant ITB Clauses*

<b>ITB Clause</b>	<b>Amendment of, and Supplements to, Clauses in the Instructions to Bidders</b>
-------------------	---

### A. General

ITB 1.1	The Employer is <b>[Program Director, AR&amp;DC Bajo]</b>
	The Name and Identification of the Contract is/are <i>[Construction of Farm Store Cum workshop at AR&amp;DC-Wangdue ,Bajo]</i>
	The Works are [ Farm store 20x10]m, ]
<b>P</b>	<b>Option B: Open Tendering method</b> All Bidders regardless of whether enlisted or not enlisted with the Dzongkhag may submit Bids provided they otherwise qualify.
ITB 3.3	The evaluation shall be based on the lowest price of the responsive bidder and the work will awarded to the lowest responsive bidder. <i>[Generally the selection is based on the lowest price. If there is a specific project need basic minimum technical qualification requirement should specified here]</i>

### B. Bidding Documents

ITB 7.1	For <b><u>clarification of Tenders purposes</u></b> only, the Employer's address is: Attention: <i>[Engineering Sector, RDC Bajo]</i> Address: <i>[Renewable Natural Resources RDC Bajo, Wangdue ]</i> Telephone: <b>[02-481209]</b> Facsimile number: <b>[02-481311]</b> Electronic mail address: <i>[nil]</i>
---------	--

### C. Preparation of Bids

ITB 15.1	The Bid validity period shall be [60] days. <i>[normally be minimum of 90 days for Works of such a simple nature]</i>
ITB 15.2	A Bid Security in the amount of Nu79,665.00(Seventy nine thousand six hundred sixty five) only will be required, in the form; a) Unconditional Bank guarantee b) Cash warrant; or c) Demand draft
ITB 16.1	A simple bar chart is <b><i>not required</i></b>
ITB 19.1	In addition to the original, <i>[one duplicate copy of bids]</i> copies shall be submitted.

<b>D. Submission and Opening of Bids</b>	
<b>ITB 17.2</b>	The inner and outer envelopes shall bear the following additional identification marks: <i>[indicate any markings that are required on inner and outer envelopes]</i>
<b>ITB 17.2</b>	For <b><u>Bid submission purposes</u></b> only, the Employer's address is: Attention: <b>Program Director</b> , Address: <b>AR&amp;DC Bajo, Wangdue</b> The deadline for the submission of Tenders is on or before <b>11:00AM, 21st October 2016</b>
<b>ITB 21.1</b>	The Bid opening shall take place on the same day as the closing day of the bid submission at: Conference hall, RNR RDC Bajo, Wangdue Date: <b>21st October 2016</b> , Time: <b>11:30 AM</b>
<b>F. Award of Contract</b>	
<b>ITB 34.2</b>	The amount of Performance Security shall be [ <b>10</b> ] percent of the Contract Price. <i>[It should be equal to ten (10) percent of the Contract Price of the Works].</i>
<b>ITB 35.1</b>	The name and address of the office where complaints to the Procuring Entity is to be submitted: <b>Program Director, AR&amp;DC Bajo, Wangdue</b>

## Section 3: Evaluation and Qualification Criteria

This section contains all the criteria that the Employer shall use to evaluate bids and qualify Bidders if the bidding was not preceded by a prequalification exercise and post qualifications are applied. Procuring Agency may apply basic minimum technical qualification requirement (manpower and equipments) only if there is a project specific need.

### 1. Evaluation

- 1.1 Evaluation shall be done to determine the responsiveness and the award shall be made to the lowest evaluated bidder.

## Section 4: Forms of Bid, & Qualification Information

### Table of Standard Forms

Standard Form: Form of Bid

Standard Form: Letter of Acceptance

Standard Form: Bid security Bank Guarantee



## Standard Form: Form of bid

### *Notes on Form of Bid:*

*The Bidder shall fill in and submit this bid form with the Bid. If Bidders do not fill in the Contract Price and does not sign this Bid form, the bids will be rejected..*

\_\_\_\_\_ [date]

To \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

We offer to execute the contract for construction of “ \_\_\_\_\_  
\_\_\_\_\_ ”

in accordance with the Conditions of Contract accompanying this Bid for the Contract Price of

Nu \_\_\_\_\_ [amount in figures] ( \_\_\_\_\_

\_\_\_\_\_)[amount in words]

\_\_\_\_\_ [name of currency].

The contract shall be paid in Ngultrums (Nu.)

This Bid and your written acceptance of it shall constitute a binding Contract between us. We understand that you are not bound to accept the lowest or any Bid you receive.

We hereby confirm that this Bid complies with the Bid validity and Bid Security required by the bidding documents and specified in the Bidding Data.

Authorized Signature: \_\_\_\_\_

Name and Title of Signatory: \_\_\_\_\_

Name of Bidder: \_\_\_\_\_

Address: \_\_\_\_\_

## Standard Form: Qualification Information

*Notes on Form of Qualification Information: The following information is to be filled in by bidders which will be used for purposes of evaluation*

### 1. Individual bidders

- 1.1 Constitution of legal status of Bidder [attach copy]
- Place of registration: \_\_\_\_\_
- Principal place of business: \_\_\_\_\_
- Power of attorney of signatory of Bid [attach]

- 1.2 Qualifications and experience of key personnel proposed for administration and execution of the Contract. Refer BDS. The supporting documents such detailed CVs signed in original supported by certificates for qualification and experience.

Position	Name	Qualification & year of experience (general)	Year of experience in proposed position	Remarks
nil				

## Standard Form: Letter of Acceptance

[letterhead paper of the Employer]

*Notes on Standard Form of Letter of Acceptance*

*The Letter of Acceptance will be the basis for formation of the Contract as described in Clauses 31 and 32 of the Instructions to Bidders. This Standard Form of Letter of Acceptance should be filled in and sent to the successful Bidder only after evaluation of bids has been completed.*

[date] \_\_\_\_\_

To: \_\_\_\_\_

[name of the Contractor]

\_\_\_\_\_  
[address of the Contractor]

This is to notify that your Bid dated \_\_\_\_\_ for the execution of the contract for the construction of “\_\_\_\_\_ - \_\_\_\_\_” for the Contract Price \_\_\_\_\_ [amount in numbers] \_\_\_\_\_ [amount in words] \_\_\_\_\_ [name of currency], as corrected and modified in accordance with the Instructions to Bidders is hereby accepted by our Agency. The start date of the project is \_\_\_\_\_. The completion date for whole of the works shall be \_\_\_\_\_.

You are hereby instructed to proceed with the execution of the said Works in accordance with the Contract documents.

Authorized Signature: \_\_\_\_\_

Name and Title of Signatory: \_\_\_\_\_

Name of Agency: \_\_\_\_\_

Attachment: Agreement

# Bank Guarantee for Bid Security

*[this is the format for the Bid Security to be issued by a financial institutions in Bhutan in accordance with ITB Clause 19]*

Invitation for Bid No:

Date:

Bid Package No:

To:

[Name and address of Employer]

## TENDER GUARANTEE No:

We have been informed that *[name of Bidder]* (hereinafter called "the Bidder") intends to submit to you its Bid dated *[date of bid]* (hereinafter called "the Tender") for the execution of the Works of *[description of works]* under the above Invitation for Bids (hereinafter called "the IFB").

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

At the request of the Bidder, we *[name of bank]* hereby irrevocably undertake to pay you, without cavil or argument, any sum or sums not exceeding in total an amount of Nu *[insert amount in figures and words]* upon receipt by us of your first written demand accompanied by a written statement that the Bidder is in breach of its obligation(s) under the Bid conditions, because the Bidder:

- (a) has withdrawn its Bids during the period of Bid validity specified by the Bidder in the Form of Bid; or
- (b) does not accept the correction of errors in accordance with the Instructions to Bidders ITB; or
- (c) having been notified of the acceptance of the Bid by the Employer during the period of Bid validity,
  - (i) fails or refuses to furnish the performance security in accordance with the ITT, or (ii) fails or refuses to execute the Contract Form,

This guarantee will expire

- (a) if the Bidder is the successful Bidder, upon our receipt of a copy of the Performance Security and a copy of the Contract signed by the Bidder as issued by you; or
- (b) if the Bidder is not the successful Bidder, thirty days after the expiration of the Bidder's Tender validity period, being *[date of expiration of the Tender]*.

Consequently, we must receive at the above-mentioned office any demand for payment under this guarantee on or before that date.

Signature

Signature

## Section 5: General Conditions of Contract

1. Definitions
  - 1.1 The following words and expressions shall have the meaning hereby assigned to them. Boldface type is used to identify the defined terms:
    - (a) **Completion Certificate** means the Certificate issued by the Employer as evidence that the Contractor has executed the Works in all respects as per drawing, specifications, and Conditions of Contract.
    - (b) The Completion Date is the date of completion of the Works as certified by the Engineer, in accordance with GCC Clause 18.
    - (c) **Contract** means the Agreement entered into between the Employer and the Contractor to execute, complete and maintain the Works.
    - (d) **Contractor** means the person or corporate body whose Tender to carry out the Works has been accepted by the Employer and is named as such in the SCC.
    - (e) **Contract Price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract. The **Contractor's Bid** is the completed Bid Document including the priced offer submitted by the Contractor to the Employer.
    - (f) **Days** mean calendar days.
    - (g) A **Defect** is any part of the Works not completed in accordance with the Contract.
    - (h) The **Employer** is the party named in the SCC who employs the Contractor to carry out the Works.
    - (i) The **Engineer** is the person named in the SCC, who is responsible for supervising the execution of the works and administering the Contract.
    - (j) The **Intended Completion Date** is the date specified in the SCC on which the Contractor shall complete the Works and may be revised if extension of time or an acceleration order is issued by the Engineer.
    - (k) The **Site** is the area defined as such in the SCC.
    - (l) The **Works** are what the Contract requires the Contractor to construct, install, and hand over to the Employer, as defined in the SCC.
2. Interpretation & Documents forming the Contract
  - 2.1 In interpreting the GCC, singular also means plural, male also means female or neuter, and the other way around. Headings in the GCC shall not be deemed part thereof or be taken into consideration in the interpretation or construance of the Contract. Words have their normal meaning under the language of the Contract unless specifically defined.
  - 2.2 The following documents forming the Contract shall be interpreted in the following order of priority:
    - (a) the signed Contract Agreement.
    - (b) the letter of Notification of Award.
    - (c) the completed Bid form as submitted by the Bidder.
    - (d) the Special Conditions of Contract.
    - (e) the General Conditions of Contract.
    - (f) the specifications.
    - (g) the drawings.
    - (h) any other document listed in the PCC as forming part of the Contract.

- |   |   |
|---|---|
| 3. Corrupt, Fraudulent, Collusive or Coercive Practices | <p>3.1 The Government requires that Employers, as well as Contractors shall observe the highest standard of ethics during the implementation of procurement proceedings and the execution of Contracts under public funds.</p> <p>3.2 In pursuance of this requirement, the Employer shall</p> <ul style="list-style-type: none"> <li>(a) exclude the Contractor from participation in the procurement proceedings concerned or reject a proposal for award; and</li> <li>(b) declare a Contractor ineligible, either indefinitely or for a stated period of time, from participation in procurement proceedings under public fund;</li> </ul> <p>3.3 The Government defines, for the purposes of this provision, the terms set forth below as follows:</p> <ul style="list-style-type: none"> <li>(a) “<b>corrupt practice</b>”<sup>5</sup> is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value<sup>6</sup> to influence improperly the actions of another party;</li> <li>(b) “<b>fraudulent practice</b>”<sup>7</sup> is any intentional act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;</li> <li>(c) “<b>collusive practice</b>”<sup>8</sup> is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party; and</li> <li>(d) “<b>coercive practice</b>”<sup>9</sup> is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party.</li> </ul> <p>3.4 The Government requires that the Client’s personnel have an equal obligation not to solicit, ask for and/or use coercive methods to obtain personal benefits in connection with the said proceedings.</p> |
| 4. Governing Language and Law                           | <p>4.1 The Contract as well as all correspondence and documents relating to the Contract exchanged by the Contractor and the Employer, shall be written in English unless otherwise stated in the SCC. The Contract shall be governed by and interpreted in accordance with the laws of the Kingdom of Bhutan.</p>  |
| 5. Engineer’s Decision                                  | <p>5.1 Except where otherwise specifically stated in the SCC, the Engineer will decide Contractual matters between the Employer and the Contractor in the role as representative of the Employer.</p>   |
| 6. Delegation   | <p>6.1 The Engineer may delegate any of his duties and responsibilities to his representative, after notifying the Contractor, and may cancel any delegation, without retroactivity, after notifying the Contractor.</p>  |
| 7. Communications and Notices                           | <p>7.1 Communications between Parties pursuant to the Contract shall be in writing to the address specified in the SCC. A notice shall be effective when delivered or on the notice’s effective date, whichever is later.</p>   |

---

<sup>5</sup> “another party” refers to a public official acting in relation to the procurement process or contract execution. In this context, “public official” includes staff and employees of any organizations (including any institutions providing finance for the Works) taking or reviewing procurement decisions.

<sup>6</sup> “anything of value” includes, but is not limited to, any gift, loan, fee, commission, valuable security or other asset or interest in an asset; any office, employment or contract; any payment, discharge or liquidation of any loan, obligation or other liability whatsoever, whether in whole or in part; any other services, favour or advantage, including protection from any penalty or disability incurred or apprehended or from any action or proceeding of a disciplinary or penal nature, whether or not already instituted and including the exercise or the forbearance from the exercise of any right or any official power or duty.

<sup>7</sup> a “party” refers to a public official; the terms “benefit” and “obligation” relate to the procurement process or contract execution; and the “act or omission” is intended to influence the procurement process or contract execution.

<sup>8</sup> “parties” refers to participants in the procurement process (including public officials) and an “improper purpose” includes attempting to establish bid prices at artificial, non competitive levels.

<sup>9</sup> a “party” refers to a participant in the procurement process or contract execution.

8. Sub- Contracting	8.1 The Contractor shall not be permitted to subcontract any part of the Works in whole or in part.
9. Contractor's Personnel	9.1 The Contractor shall employ the key personnel named in the Schedule of Key Personnel, as referred to in the SCC, to carry out the functions stated in the Schedule, or other personnel approved by the Engineer.
10.Welfare of Labourers & Child Labour	<p>10.1 The Contractor shall provide proper accommodation to his labourers and arrange proper water supply, conservancy and sanitation arrangements at the site in accordance with relevant regulations, rules and orders of the government.</p> <p>10.2 The Contractor shall comply with the applicable minimum age, labour laws and requirements of (including applicable treaties which have been ratified by) the Government of Bhutan regarding hazardous forms of child labour.</p>
11.Safety, Security and Protection of the Environment	<p>11.1 The Contractor shall throughout the execution and completion of the Works and the remedying of any defects therein:</p> <p>(a) have full regard for the safety of all persons entitled to be upon the Site and keep the Site and the Works in an orderly state;</p> <p>(b) provide and maintain at the Contractors own cost all lights, guards, fencing, warning signs and watching for the protection of the Works or for the safety on-site; and</p> <p>(c) take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of the Contractors methods of operation.</p>
12.Access to the Site	12.1 The Contractor shall allow the Engineer and any person authorised by the Engineer access to the Site and to any place where work in connection with the Contract is being carried out or is intended to be carried out.
13.Documents, Information	13.1 The Contractor shall furnish to the Engineer all information, schedules, calculations and supporting documentation that may be requested of it.
14.Property	14.1 If the contract is terminated by the Employer because of the contractors default, then, the contractor shall not be allowed to remove any materials on the Site, Plant, and Temporary Works until the matter is amicably resolved.
15.Insurance	<p>15.1 The Contractor shall provide insurance as stated in the SCC</p> <p>15.2 The Contractor shall deliver policies and certificates of insurance to the Engineer, for the Engineer's approval, before the Start Date.</p> <p>15.3 If the Contractor does not provide any of the policies and certificates required, the Employer may effect the insurance which the Contractor should have provided and recover the premiums the Employer has paid from payments otherwise due to the Contractor or, if no payment is due, the payment of the premiums shall be a debt due.</p>
16.Possession of the Site	16.1 The Employer shall give possession of the Site, or parts of the Site, to the Contractor on the date(s) specified in the SCC.
17.Commencement of Works	<p>17.1 The Contractor may commence execution of the Works on the Start Date, or other such date as specified in the SCC, and shall carry out the Works in an expeditious manner.</p> <p>17.2 If the Contractor fails to commence the works within the above stated period, the Employer may, at his sole discretion, terminate the Contract and forfeit the Performance Security, if any.</p>

18.Completion of Works	18.1	The Contractor shall complete the Works within the number of days stated in the SCC from the date of commencing the Works on the Site.
19.Programme of Works	19.1	Within the time stated in the SCC, the Contractor shall submit to the Engineer for approval a work program. The Contractor shall submit to the Engineer for approval an updated Programme at intervals no longer than the period stated in the SCC.
20.Early Warning	20.1	The Contractor shall warn the Engineer at the earliest opportunity of specific likely future events or circumstances that may adversely affect the quality of the work, result in increase to the Contract Price or delay in the execution of the Works.
21.Compensation Events	21.1	The following shall be Compensation Events: <ul style="list-style-type: none"> <li>(a) the Employer does not give access to the Site or part of the Site by the Site Possession Date stated in the SCC; and</li> <li>(b) if the payment is delayed pursuant to Clause 25.1.</li> </ul>
	21.2	If a Compensation Event would prevent the work being completed before the Intended Completion Date, the Intended Completion Date shall be extended, as appropriate, by the Engineer.
22.Non-Scheduled Items of Works	22.1	The Contractor shall be paid for non-scheduled items of works only when the Engineer approves such works and at the rates and in the manner stated in the SCC.
23.Schedule of Works	23.1	The Schedule of Works will contain rates for all items for the construction including temporary works, installation, testing, and commissioning work to be done by the Contractor.
	23.2	The Contractor shall be paid for the quantity of the work done at the rate in the Contract Agreement for each item.
	23.3	The Contractor shall be entirely responsible for all taxes, duties, license fees, and other such levies imposed outside and inside Bhutan.
24.Payment Certificates	24.1	The Contractor shall submit to the Engineer monthly statements of the estimated value of the work executed less the cumulative amount certified previously. The Engineer shall check the Contractor's monthly statement and certify the amount to be paid to the Contractor.
	24.2	The value of work executed shall be determined by the Engineer.
	24.3	The value of work executed shall comprise the value of the quantities of the items in the Schedule of Works completed.
	24.4	The value of work executed shall include the valuation of Variations, Certified Day works and Compensation Events.
	24.5	The Engineer may exclude any item certified in previous certificates or reduce the proportion of any item previously certified in any certificate in the light of later information.
25.Payments and Currency	25.1	The Employer shall pay the Contractor the amounts certified by the Engineer within thirty (30) days of the date of each certificate.
	25.2	The Employer shall make Advance Payment (mobilization and secured advance) to the Contractor of the amounts and by the dates stated in the SCC against provision by the Contractor of an unconditional Bank Guarantee, (Form 4).
	25.3	The Contractor is to use the advance payment only to pay for Equipment, Plant, Materials, and mobilisation expenses required specifically for the execution of the Contract. The Contractor shall demonstrate that the advance payment has been used in this way by submitting copies of invoices or other documents to the



Employer.

- 25.4 The advance payment shall be repaid by deducting proportionate amounts from payments otherwise due to the Contractor, following the schedule of completed percentages of the Works on a payment basis. No account shall be taken of the advance payment or its repayment in assessing valuations of work done, variations, claims or any amount payable due to failure to complete the works.
- 26.Retention
- 26.1 The Employer shall retain from each payment due to the Contractor the proportion stated in the SCC until the completion of the whole of the Works.
- 26.2 On completion of the whole of the Works, half the total amount retained shall be repaid to the Contractor, the remaining half when the Defects Liability Period has passed and the Engineer has certified that all Defects notified by the Engineer to the Contractor before the end of this period have been corrected.
- 27.Liquidated Damages
- 27.1 The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the SCC for each day that the Completion Date is later than the Intended Completion date for the works or for any part thereof.
- 28.Performance Security
- 28.1 Upon Notification of Award, a Performance Security shall be provided to the Employer in the amount and form stated in the Contract Forms (Form 3). The Performance Security shall be valid until a date thirty (30) days from the date of issue of the Certificate of Completion.
- 29.Price Adjustment
- 29.1 The rates and prices in the bill of quantities are fixed for the duration of the Contract and not subject to price adjustment during the performance of the Contract.
- 30.Completion
- 30.1 The Contractor shall request the Engineer to issue a Certificate of Completion of the Works, and the Engineer will do so upon deciding that the work is substantially completed.
- 31.Correction of Defects
- 31.1 The Engineer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion, and is defined in the SCC. The Defects Liability Period shall be extended for as long as the Defects remain to be corrected.
- 31.2 If the Contractor has not corrected a Defect within the time specified in the Engineer's notice, the Engineer will assess the cost of having the Defect corrected, and the Contractor will pay this amount.
- 32.Taking Over
- 32.1 The Employer shall take over the Site and the Works within seven (7) days of the Engineer issuing a Certificate of Completion.
- 33.Final Account
- 33.1 The Contractor shall supply the Engineer a detailed account of the total amount that the Contractor considers payable under the Contract. The Engineer shall certify any final payment that is due to the Contractor within twenty-one (21) days of receiving the Contractor's account if it is correct and complete.
- 33.2 The Employer shall effect payment of the final account within thirty (30) days from the date of certification by the Engineer.
- 34.Termination
- 34.1 The Employer or the Contractor by giving thirty (30) days written notice of default to the other party, may terminate the Contract in whole or in part if the other party causes a fundamental breach of Contract.
- 34.2 Fundamental breaches of the Contract shall include, but shall not be limited to, the following:
- (a) the Contractor stops work for more than thirty (30) days when no stoppage of work is shown on the current Programme and the stoppage has not been authorised by the Engineer;
  - (b) the Engineer gives notice that failure to correct a particular defect is a

fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Engineer;

- (c) the Contractor has delayed the completion of the Works by the number of days for which the maximum amount of Liquidated Damages can be paid;
- (d) the Contractor, in the judgment of the Employer, has engaged in corrupt or fraudulent practices, as defined in GCC Clause 3, in competing for or in executing the Contract; and
- (e) a payment certified by the Engineer is not paid to the Contractor by the Employer within sixty (60) days of the date of the Engineer's certificate.

34.3 The Employer and the Contractor may at any time terminate the Contract by giving notice to the other party if either of the parties becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to any party provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue to the other party.

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

34.5 If the Contract is terminated, the Contractor is to stop work immediately, make the Site safe and secure and hand over the Site to the Employer as soon as reasonably possible.

#### 35. Payment upon Termination

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

35.2 If the Contract is terminated for the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Contractor shall be entitled to payments for completed works and the materials that have been brought to the site for the purpose of the works, but not used as certified by the Engineer after adjusting any payments received by the Contractor.

#### 36. Release from Performance

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

37. Force Majeure
- 38.1 For the purposes of this Contract, "Force Majeure" means an exceptional event or circumstance:
- (a) which is beyond a Party's control,
  - (b) which such Party could not reasonably have provided against before entering into the Contract,
  - (c) which, having arisen, such Party could not reasonably have avoided or overcome, and
  - (d) which is not substantially attributable to the other Party.
- 38.2 Force Majeure may include, but is not limited to, exceptional events or circumstances of the kind listed below, so long as conditions (a) to (d) above are satisfied:
- (a) war, hostilities (whether war be declared or not), invasion, act of foreign enemies,
  - (b) rebellion, terrorism, sabotage by persons other than the Contractor's Personnel, revolution, insurrection, military or usurped power, or civil war,
  - (c) riot, commotion, disorder, strike or lockout by persons other than the Contractor's Personnel,
  - (d) munitions of war, explosive materials, ionizing radiation or contamination by radio-activity, except as may be attributable to the Contractor's use of such munitions, explosives, radiation or radio-activity, and
  - (e) natural catastrophes such as earthquake, hurricane, typhoon or volcanic activity.
- 38.3 However, force majeure shall not include the following;
- i. rainfall
  - ii. snowfall
  - iii. strikes in other countries
  - iv. non-availability of labourer and materials such as timbers, boulders, sand, and other materials
  - v. difficulty and risky terrain and remoteness of site.
38. Settlement of Disputes
- 38.1 The Employer and the Contractor shall use their best efforts to settle amicably all disputes arising out of or in connection with this Contract or its interpretation.
- 38.2 Any dispute between the parties to the Contract that may not be settled amicably will be referred to Arbitration at the initiative of either of the parties.
- 38.3 The Arbitration shall be conducted in accordance with the Arbitration Rules of the Kingdom of Bhutan in force.

## Section 6: Special Conditions of Contract

*Instructions for completing the Special Conditions of Contract are provided, as needed, in the notes in italics mentioned for the relevant GCC Clauses.3*

Clause Ref	Amendments of, and Supplements to, Clauses in the General Conditions of Contract
<b>GCC 1.1(d)</b>	The Contractor is: M/s.....
<b>GCC 1.1(i)</b>	The Employer is: <b>AR&amp;DC Bajo, Wangdue.</b>
<b>GCC 1.1(j)</b>	The Engineer is: <b>Thinley Gyeltshen, Principal Engineer, A RDC Bajo.</b>
<b>GCC 1.1(k)</b>	The Intended Completion Date for the whole of the Works shall be: <b>150 days</b> from the date of work order.
<b>GCC 1.1(l)</b>	The Site is located at: Bajo
<b>GCC 1.1(m)</b>	The Works are: <b>Construction of Farm store Cum workshop</b>
<b>GCC 2.2(i)</b>	The additional documents forming part of this Contract are: <b>"No additional documents".</b>
<b>GCC 4.1</b>	The Language governing the Contract shall be: <b>English.</b>
<b>GCC 5.1</b>	The Engineer shall obtain specific approval of the Employer before taking any of the following actions:
<b>GCC 7.1</b>	The addresses for Communications shall be: <u>For the Employer:</u> <b>AR&amp;DC Bajo,</b> <b>Wangdue</b>  <u>For the Contractor:</u>
<b>GCC 9.1</b>	The Key Personnel of the Contractor are: <b>nil</b>
<b>GCC 15.1</b>	For insurance purposes the type of cover required shall be: <b>The contractor shall be responsible for the insurance</b>
<b>GCC 16.1</b>	Possession of the site shall be within [ <b>15</b> ] days from the date of signing of the Contract.
<b>GCC 17.1</b>	Commencement of work shall be within [ <b>15</b> ] days from the date of handing over possession of the Site.

<b>GCC 18.1</b>	Completion of works shall be within [ <b>5</b> ] months from the date of commencing the works on the site.
<b>GCC 19.1 &amp; 19.2</b>	The Contractor shall submit the first work plan [ <b>10</b> ] days after signing the Contract, and shall update the work plan every [ <b>2</b> ] weeks during the period of the Contract.
<b>GCC 22.1</b>	<i>"The rates for non-scheduled items of works shall be determined by the Engineer".</i>
<b>GCC 25.2</b>	An advance payment of [ <b>10</b> ] % of the Contract Price will be made to the Contractor within [ <b>15</b> ] days of Contract signing date.
<b>GCC 26.1</b>	The Retention shall be [ <b>10</b> ] % of the Contract Price.
<b>GCC 27.1</b>	The liquidated damages for the whole of the Works are [ <b>0.05 percentage of the initial Contract Price</b> ] per day. The maximum amount of liquidated damages for the whole of the Works is [insert number] percent of the initial Contract Price.
<b>GCC 31.1</b>	The Defects Liability Period shall be [ <b>12</b> ] months
<b>GCC 35.1</b>	The percentage to apply to the value of the work not completed, representing the Employer's additional cost for completing the Works, is <b>20 percent</b> [it is generally 20% of the value of work not completed up to a maximum of 10% of the initial contract price]

**Additional Conditions:-**

1. Any inadvertent payment made to the contractor which is deemed as excess payment by the third party (Internal Audit, Royal Audit, or any other third party) shall be recovered from the contractor as and when observations are made.
2. Any discrepancies between the drawings, specifications and BoQ shall be the responsibility of the contractor to bring to the attention of the site engineer or to the employer in written.

## Section 7: Contract Forms

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

### **Contract Forms**

Form	Title
Form -1	Notification of Award
Form -2	Contract Agreement
Form -3	Bank Guarantee for Performance Security
Form -4	Bank Guarantee for Advance Payment

## Notification of Award

Contract No:

Date:

To:

*[name and address of Contractor]*

This is to notify you that your Bid dated *[insert date]* for the execution of the Works for *[name of project / Contract]* for the Contract Price of Nu *[amount in figures and in words]*, as corrected and modified in accordance with the Instructions to bidder is hereby accepted by *[name of the Employer]*.

You are requested to proceed with the execution of the Works on the basis that this Notification of Award shall constitute the formation of a Contract, which shall become binding upon you furnishing a Performance Security within fourteen (15) days, in accordance with ITB Clause 32, and the signing the Contract Agreement within twenty-one (15) days, in accordance with ITB Clause 33.

We attach the Contract Agreement and Special Conditions of Contract for your perusal and signature.

Signed

Duly authorised to sign for and on behalf of  
*[name of Procuring Entity]*

Date:

## Contract Agreement

THIS AGREEMENT, made the [day] of [month] [2016] between [name and address of Employer] (hereinafter called "the Employer") of the one part and [name and address of Contractor] (hereinafter called "the Contractor") of the other part.

WHEREAS, the Employer invited Tenders for certain Works, viz, [brief description of the Works] and has accepted a Tender by the Contractor for the execution of those works in the sum of Ngultrum [insert amount in figures and words], hereinafter called "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 General Conditions of Contract hereinafter referred to.
2. The documents forming the Contract shall be interpreted in the following order of priority:
  - (a) The signed Contract Agreement;
  - (b) The letter of Acceptance;
  - (c) The completed Bid form as submitted by the Bidder;
  - (d) The Special Conditions of Contract;
  - (e) The General Conditions of Contract;
  - (f) Specifications/BoQ includes **for Civil works** (a) Bhutan Schedule of Rates- Civil 2013, (b) Labour & Material Coefficient- Civil 2013, and (c) Specifications for Building & Road Work 2012/13, & **for Electrical works** (d) Bhutan Schedule of Rates- Electrical 2013, (e) Labour & Material Coefficient- Electrical 2013, and (f) Specifications for Electrical Material & Work 2013, all published by Department of Engineering Services under the Ministry of Works & Human Settlements.
  - (g) The Drawings; and
  - (h) Any other document listed in the SCC as forming part of the Contract.
3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and to remedy any defects therein in conformity in all respects with the provisions of the Contract.
4. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

**IN WITNESS** whereof the Parties thereto have caused this Agreement to be executed in accordance with the laws of Bhutan on the day month and year first before written.

For the Employer

For the Contractor

Signature

Print Name

Title

In the presence of  
(Name)

Address



## Bank Guarantee for Performance Security

*[this is the format for the Performance Security to be issued by any financial institute in Bhutan in accordance with ITB Clause 35]*

Contract No:

Date:

To:

[Name and address of Employer]

### PERFORMANCE GUARANTEE No:

We have been informed that *[name of Contractor]* (hereinafter called "the Contractor") has undertaken, pursuant to Contract No *[reference number of Contract]* dated *[date of Contract]* (hereinafter called "the Contract"), the execution of works *[description of works]* under the Contract.

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

At the request of the Contractor, we *[name of bank]* hereby irrevocably undertake to pay you, without cavil or argument, any sum or sums not exceeding in total an amount of Nu *...[.....]* only, upon receipt by us of your first written demand accompanied by a written statement that the Contractor is in breach of its obligation(s) under the Contract conditions, without you needing to prove or show grounds or reasons for your demand of the sum specified therein.

This guarantee is valid until *[.....]*, consequently, we must receive at the above-mentioned office any demand for payment under this guarantee on or before that date.

Signature

Signature

## Bank Guarantee for mobilisation advance

*[this is the format for the Advance Payment Guarantee to be issued by a financial institutions in Bhutan in their letter pad in accordance with SCC Clause 25.2]*

Contract No:

Date:

To:

[Name and address of Employer]

### ADVANCE PAYMENT GUARANTEE No:

We have been informed that *[name of Contractor]* (hereinafter called "the Contractor") has undertaken, pursuant to Contract No *[reference number of Contract]* dated *[date of Contract]* (hereinafter called "the Contract"), the execution of works *[.....]* under the Contract.

Furthermore, we understand that, according to your conditions, Advance Payments must be supported by a bank guarantee.

At the request of the Contractor, we *[name of bank]* hereby irrevocably undertake to pay you, without cavil or argument, any sum or sums not exceeding in total an amount of Nu.*[insert amount in figures and in words]* upon receipt by us of your first written demand accompanied by a written statement that the Contractor is in breach of its obligation(s) under the Contract conditions, without you needing to prove or show grounds or reasons for your demand of the sum specified therein.

We further agree that no change, addition or other modification of the terms of the Contract to be performed, or of any of the Contract documents which may be made between the Employer and the Contractor, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee is valid until *[date of validity of guarantee]*, consequently, we must receive at the above-mentioned office any demand for payment under this guarantee on or before that date.

Signature

Signature

## **Section 8: Bill of Quantities (BoQ)**

Check that BoQ consists of:- 21 pages

## **Section 9: Drawings**

Check that drawing consists of:- 20 pages

Check that bidding document consist of:-

**36** pages

Check that entire bidding document consist of:-

**36** pages Bidding Document

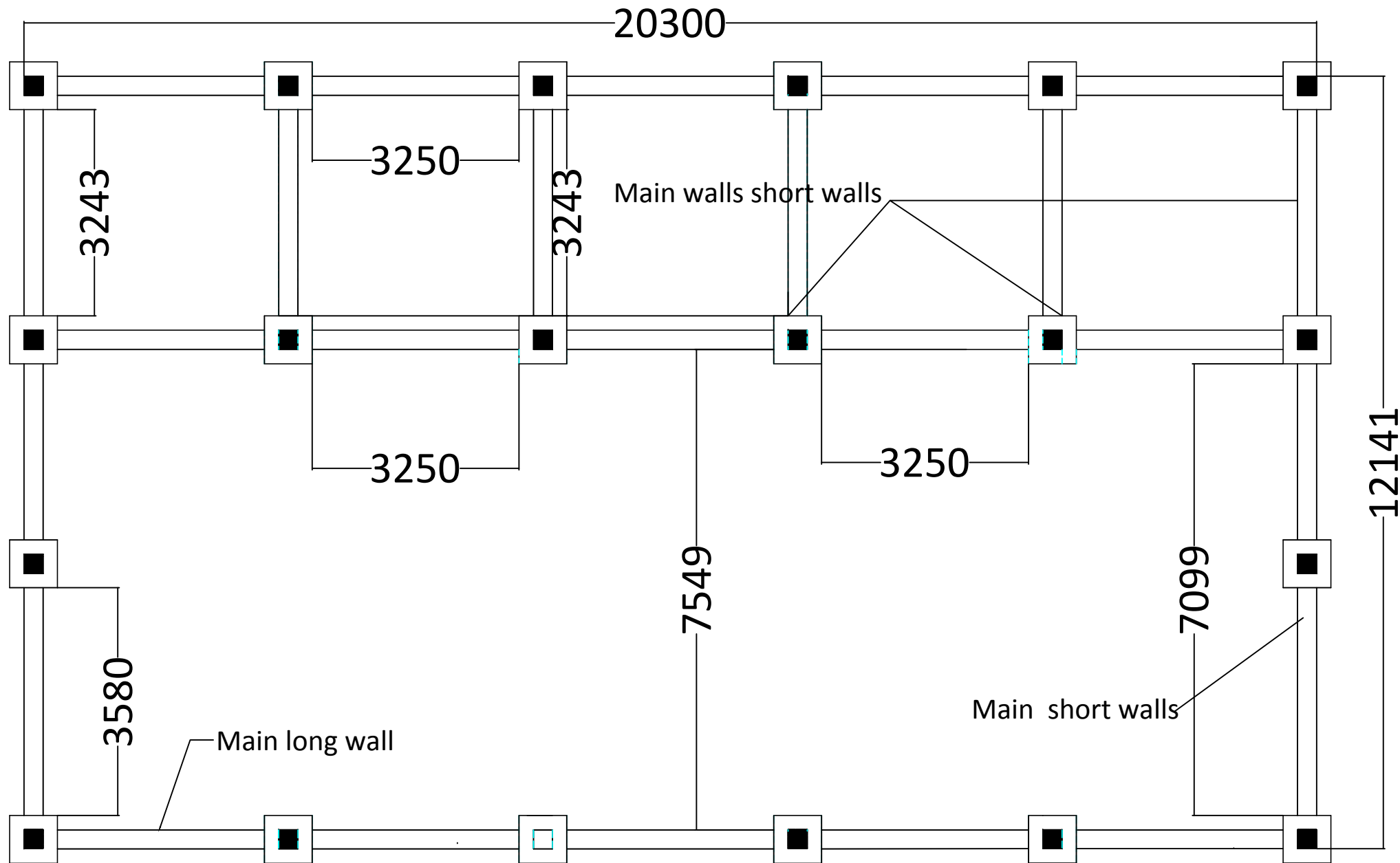
**21** pages BoQ

**20** pages Drawings

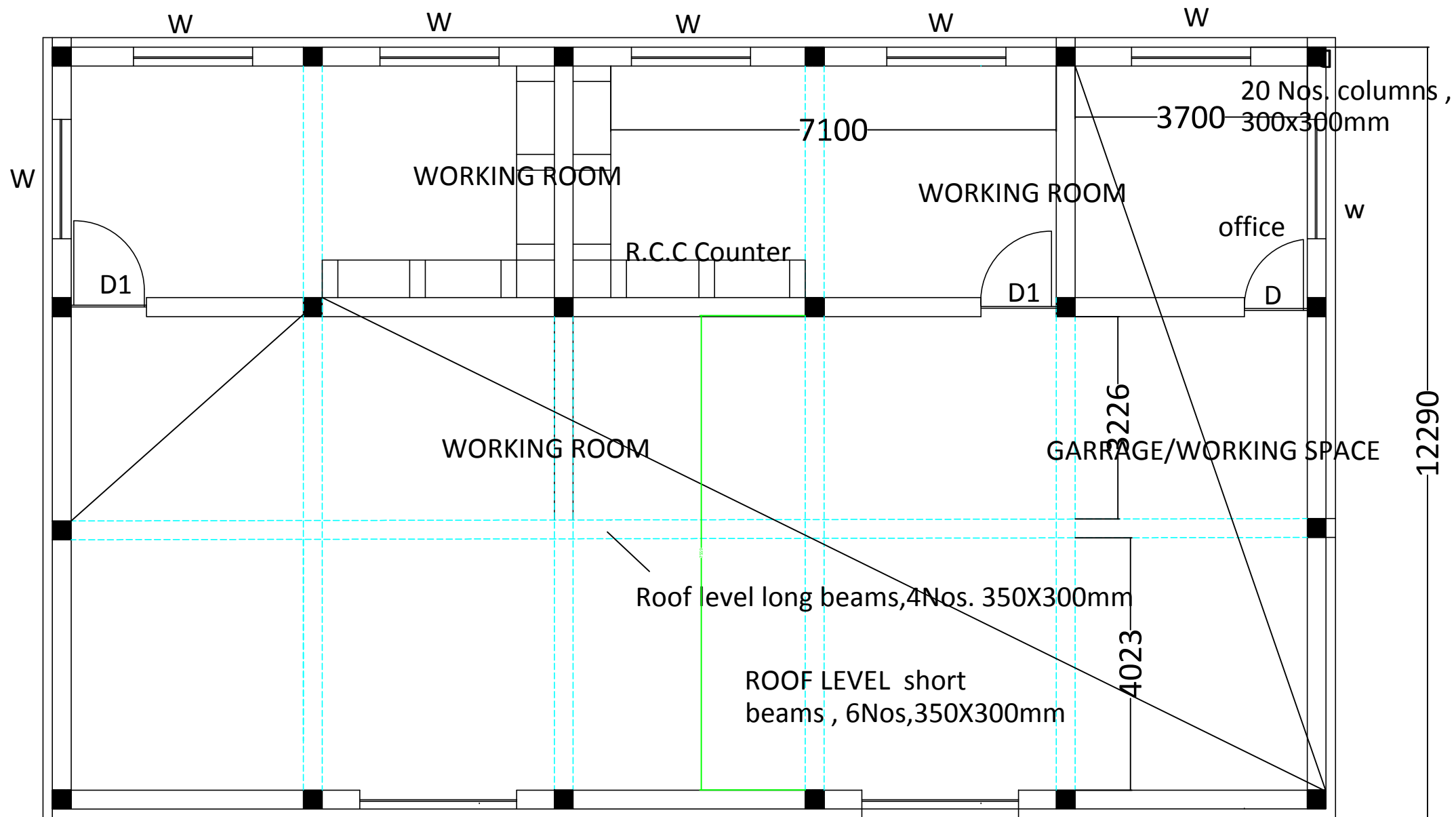
# **D R A W I N G S**

**FARM STORE CUM WORKSHOP 2016,**

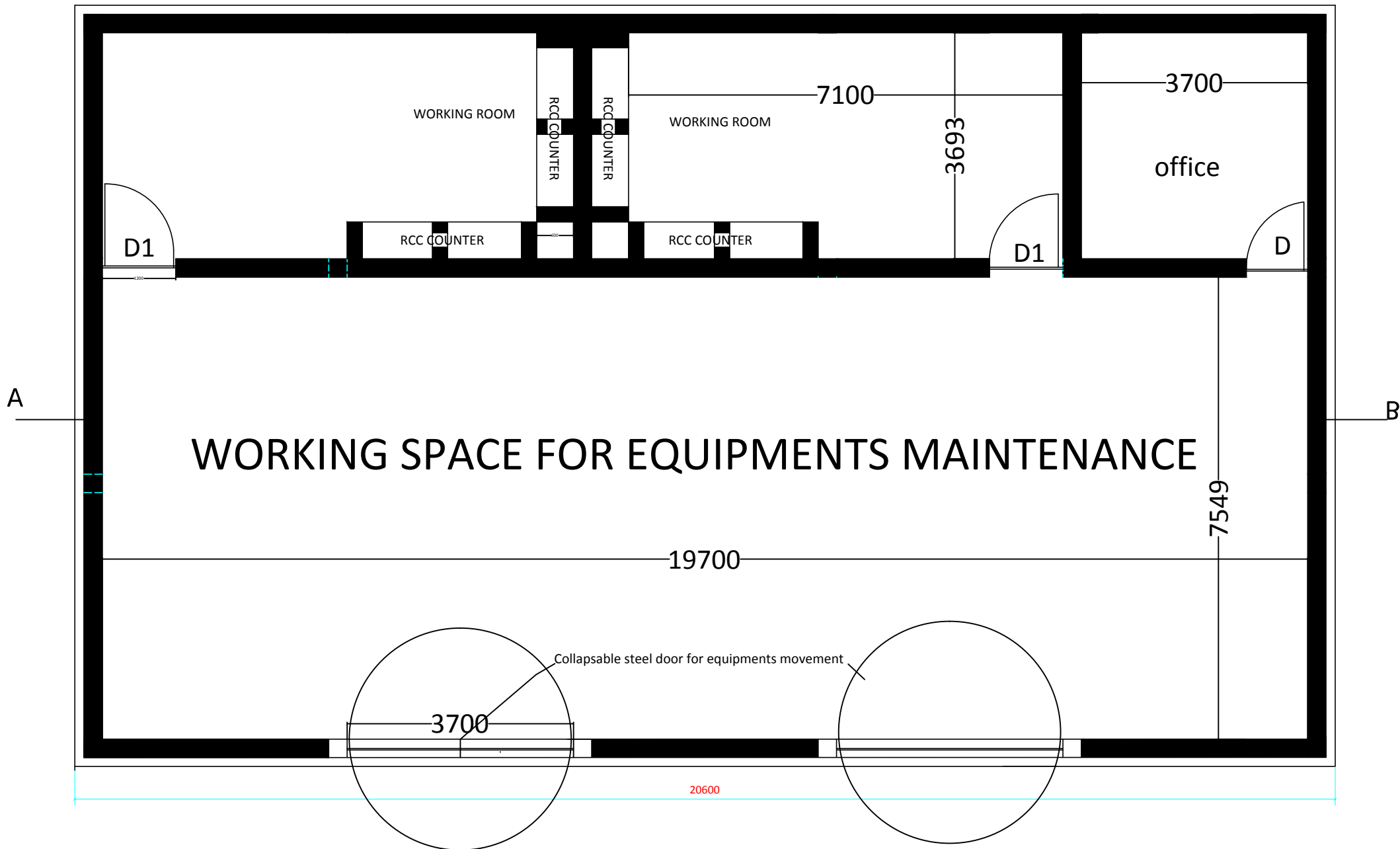
Agricluture Research & Development Bajo,  
WANGDUE PHODRANG



Scale : 1:20	Rev.No/Date	Content	NOTE:- All dimensions in "mm" unless specified otherwise. Dimensions are to be read not measured. Report any discrepancies to the engineer/designer.			SUBJECT: <i>Columns foundation Plan</i>		
Unit : "mm"	25.07.2016	NA	<div>FARM STORE CUM WORKSHOP, 2016</div> <div>Agriculture Research &amp; Development , Bajo</div> <div>Department of Agriculture, MoA&amp;F</div>			DESIGN/DRAWN BY:- WMR Sector, RNR RDC Bajo Department of Agriculture, MoAF	CHECKED BY:- Mr.	APPROVED BY:- Dasho
File Name : 01-workshop								
Drawing No.: I								
Sheet No. : 01 of 01								

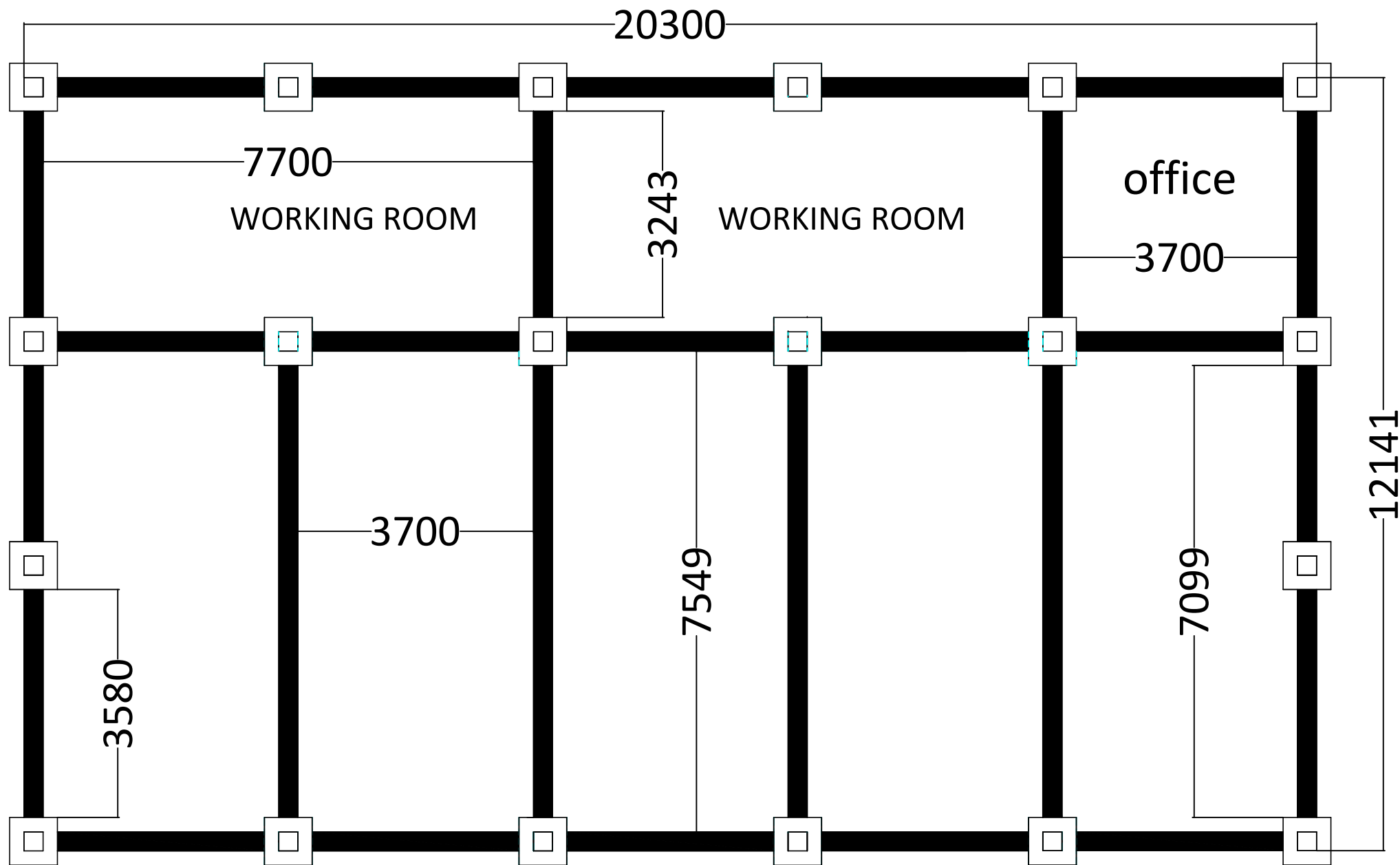


Scale : 1:20	Rev.No/Date	Content	<b>NOTE:-</b> All dimensions in "mm" unless specified otherwise. Dimensions are to be read not measured. Report any discrepancies to the engineer/designer.	<b>FARM STORE CUM WORKSHOP, 2016</b> Agriculture Research & Development Centre, Bajo Department of Agriculture, MoAF	SUBJECT: <i>PLAN SHOWING BEAMS/COLUMNS Detail</i>		
Unit : "mm"	25.07.2016	NA			DESIGN/DRAWN BY:- WMR Sector, RNR RDC Bajo Department of Agriculture, MoAF		CHECKED BY:- Mr.
File Name : 02, Workshop							APPROVED BY:- Dasho
Drawing No.: 2							
Sheet No. :							

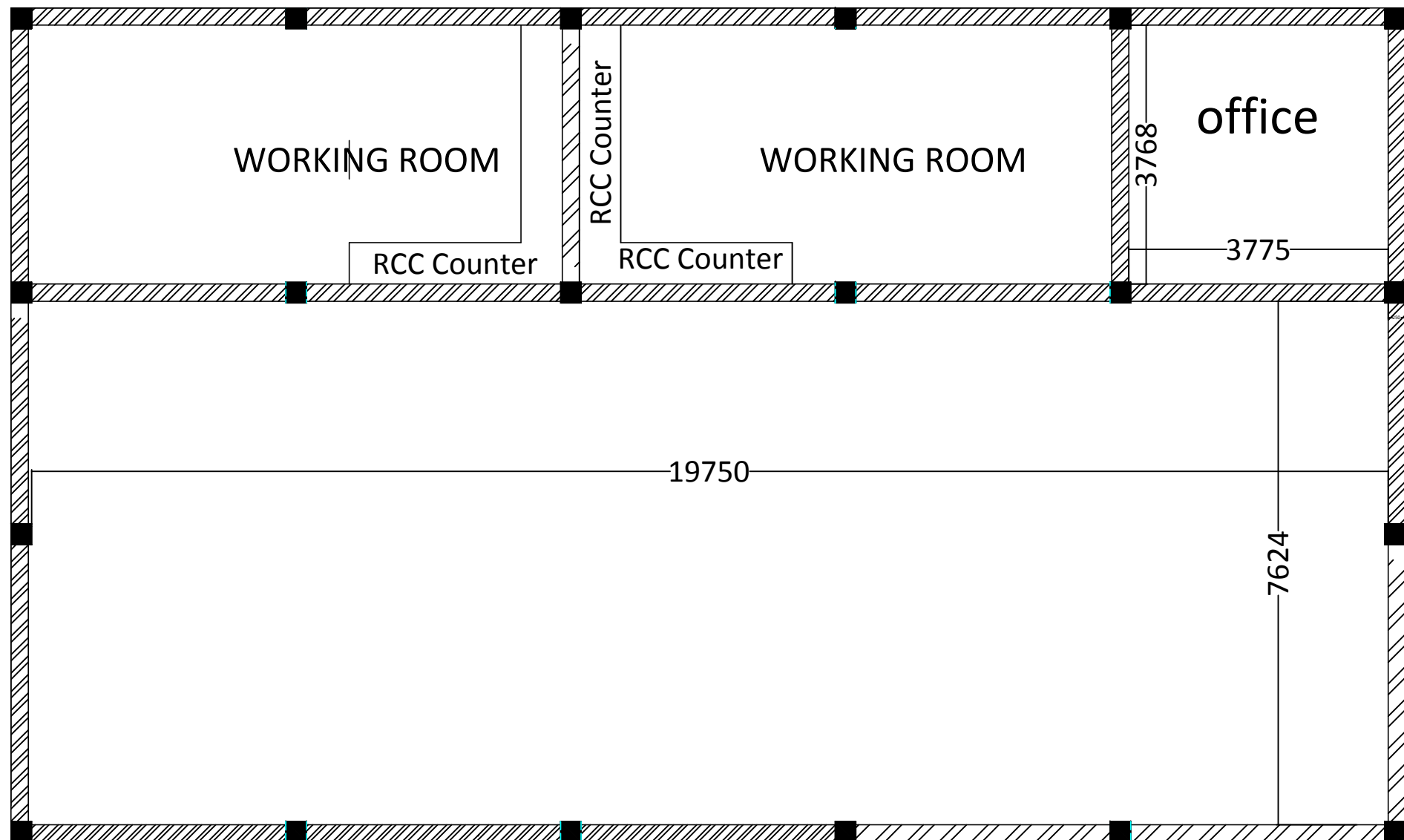


Scale : 1:20	Rev.No/Date 25.07.2016	Content NA	<b>NOTE:-</b> All dimensions in "mm" unless specified otherwise. Dimensions are to be read not measured. Report any discrepancies to the engineer/designer.	<b>FARM STORE CUM WORKSHOP, 2016</b> Agriculture Research & Development Centre, Bajo Department of Agriculture, MoAF	SUBJECT: <i>PLAN SHOWING RRM 1:4CM Wall till Plinth</i>		
Unit : "mm"					DESIGN/DRAWN BY:- WMR Sector, RNR RDC Bajo Department of Agriculture, MoAF	CHECKED BY:- Mr.	APPROVED BY:- Dasho
File Name : 03-RRM Wall							
Drawing No.: I							
Sheet No. : 01 of 03							



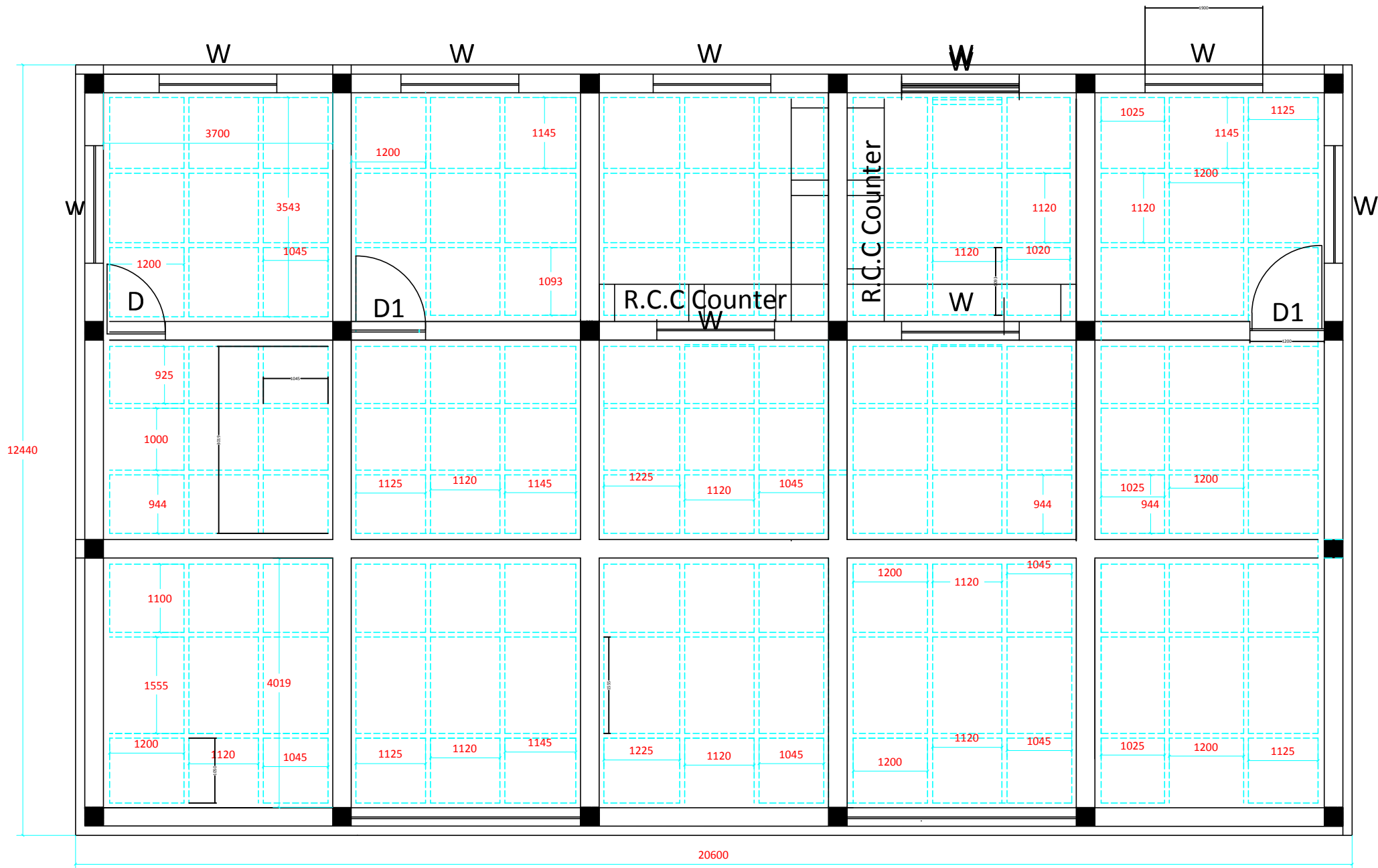


Scale : 1:20	Rev.No/Date	Content	NOTE:- All dimensions in "mm" unless specified otherwise. Dimensions are to be read not measured. Report any discrepancies to the engineer/designer.	FARM STORE CUM WORKSHOP, 2016  Agriculture Research & Development , Bajo Department of Agriculture, MoA&F	SUBJECT: <i>Roof level beams, Trusses supports</i>		
Unit : "mm"	25.07.2016	NA			DESIGN/DRAWN BY:- WMR Sector, RNR RDC Bajo Department of Agriculture, MoAF		CHECKED BY:- Mr.
File Name : 04-Workshop							APPROVED BY:- Dasho
Drawing No.: I							
Sheet No. : 01 of 04							

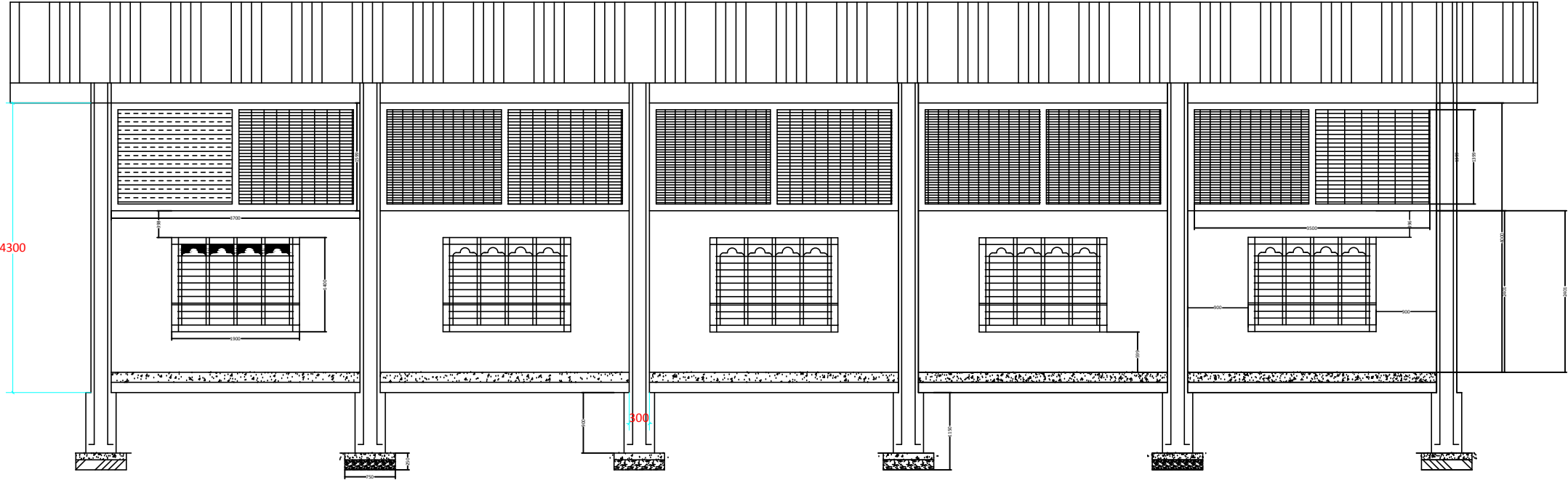


Scale : 1:20	Rev.No/Date	Content	NOTE:- All dimensions in "mm" unless specified otherwise. Dimensions are to be read not measured. Report any discrepancies to the engineer/designer.	FARM STORE CUM WORKSHOP, 2016  Agriculture Research & Development , Bajo Department of Agriculture, MoA&F	SUBJECT: <i>Brick walls from Plinth level till roof [ BW0003]</i>  DESIGN/DRAWN BY:- <i>WMR Sector, RNR RDC Bajo</i> <i>Department of Agriculture, MoAF</i>			
Unit : "mm"	25.07.2016	NA						
File Name : 05-Workshop								
Drawing No.: I								
Sheet No. : 01 of 05								
						CHECKED BY:- <i>Mr.</i>	APPROVED BY:- <i>Dasho</i>	

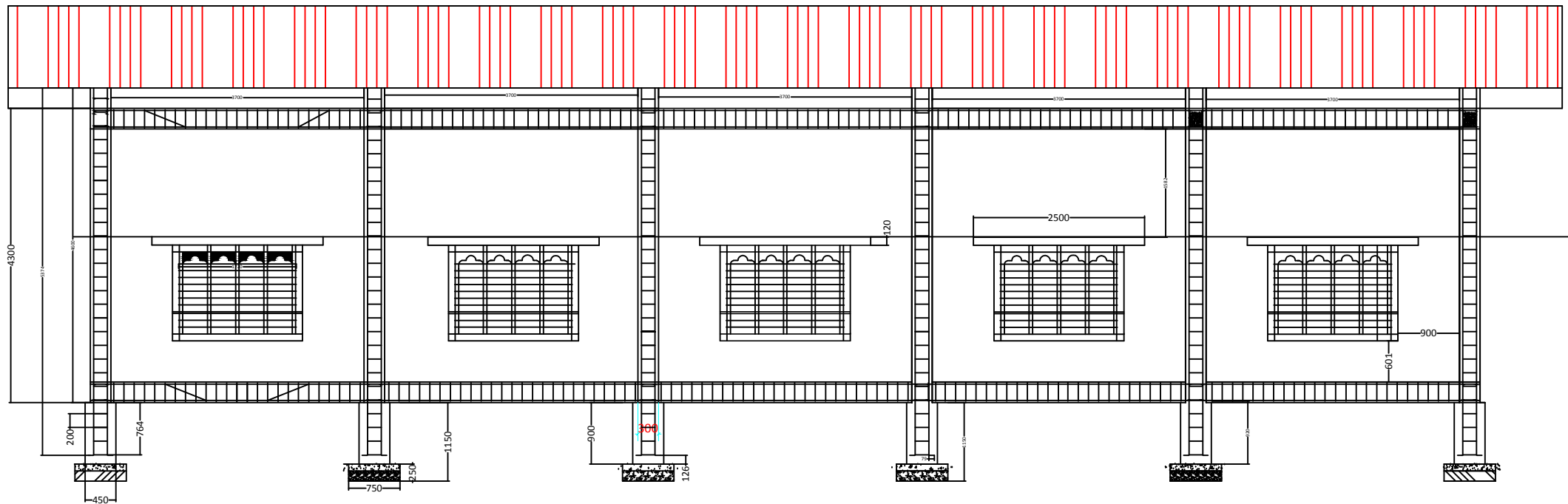




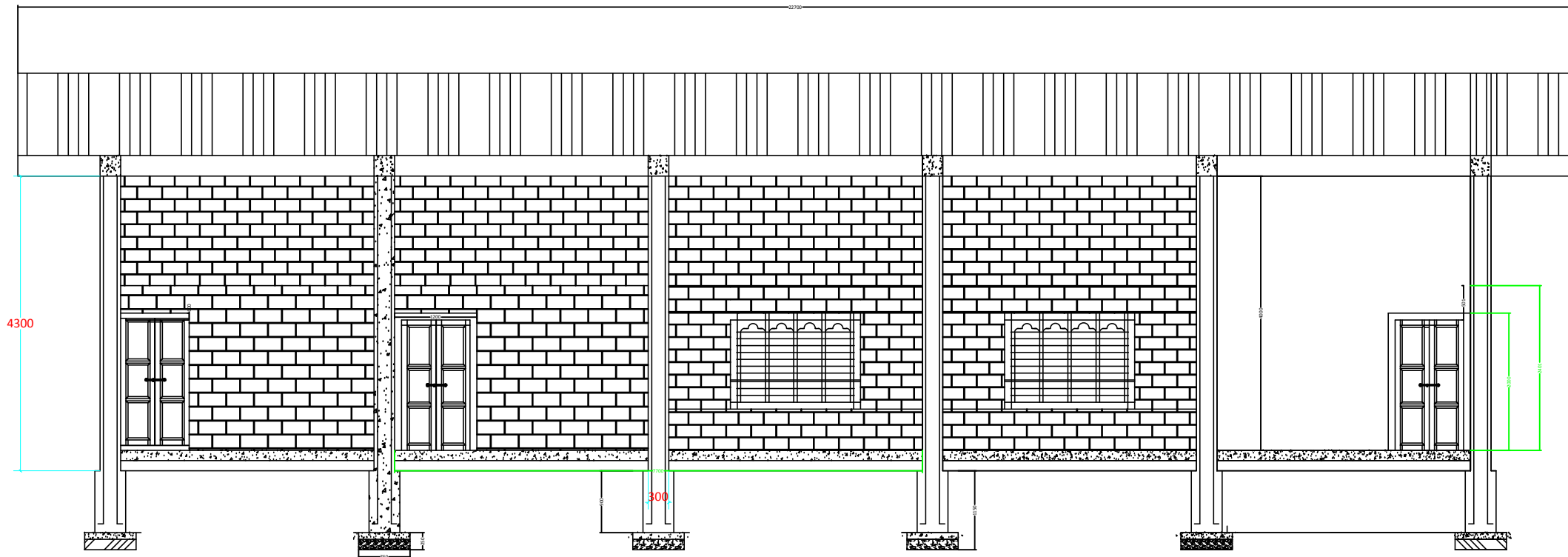
Scale : 1:20	Rev.No/Date : 25.07.2016	Content : NA	<b>NOTE:-</b> All dimensions in "mm" unless specified otherwise. Dimensions are to be read not measured. Report any discrepancies to the engineer/designer.	<b>FARM STORE CUM WORKSHOP, 2016</b> Agriculture Research & Development Centre , Bajo Department of Agriculture, MoAF	SUBJECT: <i>PLAN SHOWING False ceiling frames 75x75mm</i>		
Unit : "mm"					DESIGN/DRAWN BY:- WMR Sector, RNR RDC Bajo Department of Agriculture, MoAF	CHECKED BY:- Mr.	APPROVED BY:- Dasho
File Name : 07-Workshop							
Drawing No.: I							
Sheet No. : 01 of 07							



Scale :1:20	Rev.No/Date	Content	NOTE:- All dimensions in "mm" unless specified otherwise. Dimensions are to be read not measured. Report any discrepancies to the engineer/designer.	FARM STORE CUM WORKSHOP,2016 Agriculture Research & Development Centre, Bajo Department of Agriculture, MoAF	SUBJECT: <i>Back ELEVATIONwith high level windows</i>		
Unit : "mm"	26.07.2016	NA			DESIGN/DRAWN BY:- WMR Sector, RNR RDC Bajo Department of Agriculture, MoAF	CHECKED BY:- Mr.	APPROVED BY:- Dasho
File Name :08-Elevation							
Drawing No.:I							
Sheet No. :01 of 08							



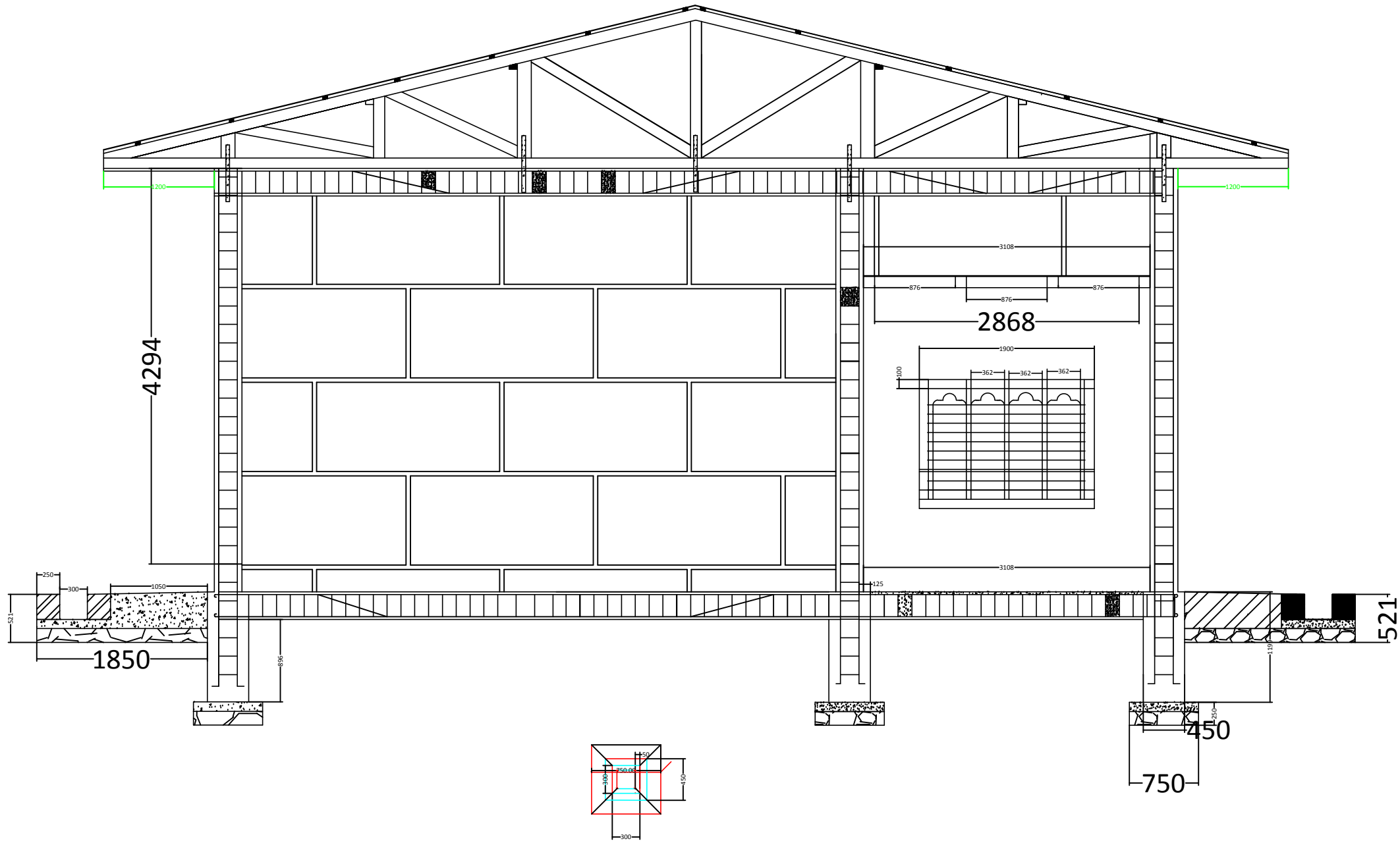
Scale :1:20	Rev.No/Date	Content	NOTE:- All dimensions in "mm" unless specified otherwise. Dimensions are to be read not measured. Report any discrepancies to the engineer/designer.	FARM STORE CUM WORKSHOP 2016  Agriculture Research & Development Centre, Bajo  Department of Agriculture, MoAF	SUBJECT: Section showing Columns/Beams details/Lintel		
Unit : "mm"	26.07.2016	NA			DESIGN/DRAWN BY:- WMR Sector, RNR RDC Bajo Department of Agriculture, MoAF	CHECKED BY:-  Mr.	APPROVED BY:-  Dasho
File Name :01-Elevation							
Drawing No.:I							
Sheet No. :01 of 09							



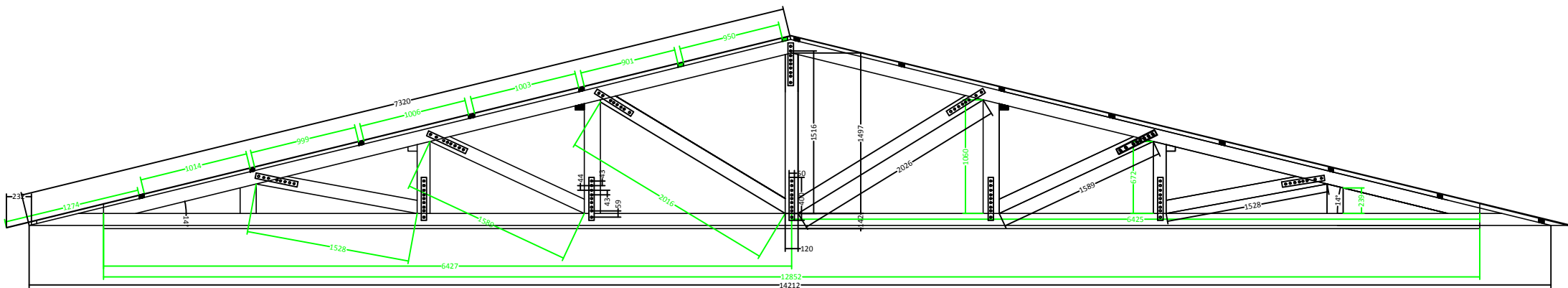
Scale :1:20	Rev.No/Date	Content	NOTE:- All dimensions in "mm" unless specified otherwise. Dimensions are to be read not measured. Report any discrepancies to the engineer/designer.	FARM STORE CUM WORKSHOP,2016  Agriculture Research & Development Centre, Bajo  Department of Agriculture, MoAF	SUBJECT: SECTION AT AB/II OPTION		
Unit : "mm"	26.07.2016	NA			DESIGN/DRAWN BY:- WMR Sector, RNR RDC Bajo Department of Agriculture, MoAF	CHECKED BY:- Mr.	APPROVED BY:- Dasho
File Name :01-Section							
Drawing No.:I							
Sheet No. :01 of 3							







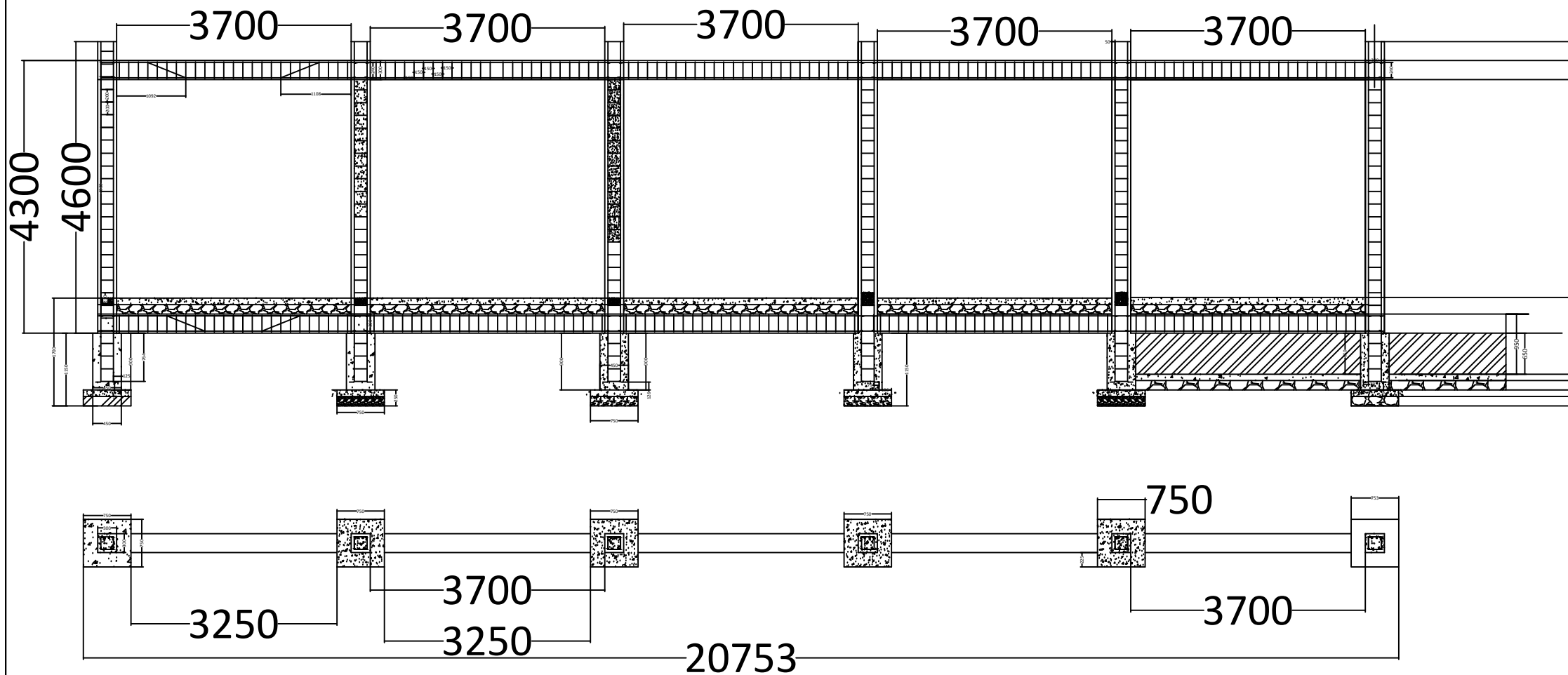
Scale : 1:20	Rev.No/Date	Content	<b>NOTE:-</b> All dimensions in "mm" unless specified otherwise. Dimensions are to be read not measured. Report any discrepancies to the engineer/designer.	<b>FARM STORE CUM WORKSHOP016</b> Agriculture Research & Development Centre,Bajo, Department of Agriculture, MoAF	SUBJECT: <i>Side view showing beam over hanged</i>		
Unit : "mm"	26.07.2016	NA			DESIGN/DRAWN BY:- WMR Sector, RNR RDC Bajo Department of Agriculture, MoAF	CHECKED BY:- Mr.	APPROVED BY:- Dasho
File Name : 01-Elevation							
Drawing No.: I							
Sheet No. : 01 of 02							



### DETAILS OF ROOF TRUSSES

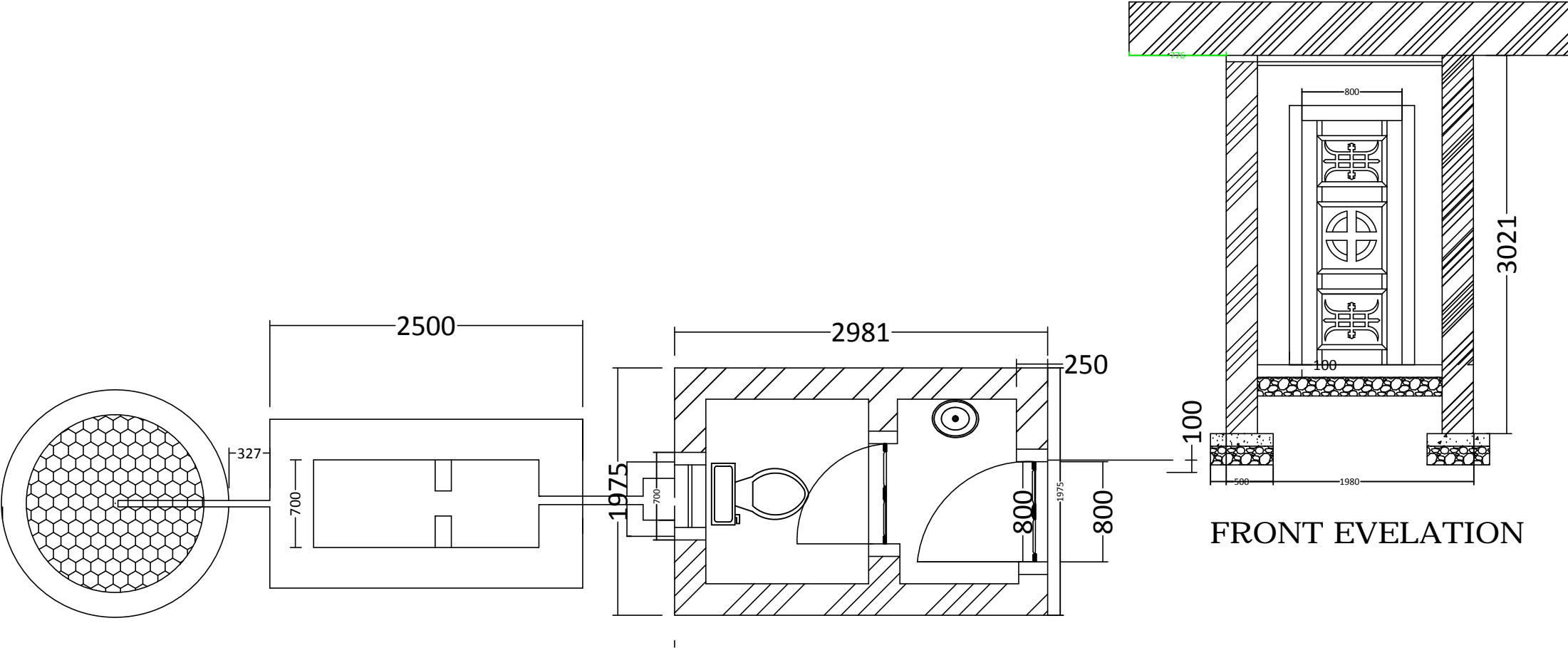
SL.NO	DESCRIPTION OF TRUSSES	LENGTH	WIDTH	DEPTH	TOTAL MEMBERS
1	TIE BEAMS	14970mm	120mm	142mm	6 Nos.
2	PRINCIPLE RAFTERS	7320mm	120mm	125mm	12 Nos.
3	KING POSTS	1516mm	120mm	142mm	12Nos.
4	SECONDARY POSTS	1065mm	120mm	120mm	12Nos.
5	SHORT POSTS	700mm	120mm	100mm	12 Nos.
6	POSTS	300mm	120mm	100mm	12Nos.
7	LONG BRACKET	2026mm	120mm	120mm	12 Nos.
8	MEDIUM BRACKETS	1589mm	120mm	120mm	12Nos.
9	SHORT BRACKETS	1528mm	120mm	120mm	12Nos.
10	PURLINS	23500mm	75mm	75mm	16Nos.
	TOTAL TRUSSES	MIXED CONIFER [WOOD WOOD]			6 Nos.

Scale : 1:20	Rev.No/Date	Content	<b>NOTE:-</b> All dimensions in "mm" unless specified otherwise. Dimensions are to be read not measured. Report any discrepancies to the engineer/designer.	<b>FARM STORE CUM WORKSHOP ,2016</b> Agriculture Research & Development Centre, Bajo Department of Agriculture, MoAF	SUBJECT: <i>Detail roof trusses</i>		
Unit : "mm"	2.08.2016	NA					
File Name : Trusses-01							
Drawing No.: I							
Sheet No. : 01 of 02					DESIGN/DRAWN BY:- WMR Sector, RNR RDC Bajo Department of Agriculture, MoAF	CHECKED BY:- Mr.	APPROVED BY:- Dasho



Scale :1:20	Rev.No/Date	Content	NOTE:- All dimensions in "mm" unless specified otherwise. Dimensions are to be read not measured. Report any discrepancies to the engineer/designer.	FARM STORE CUM WORKSHOP ,2016 Agriculture Research & Development Centre, Bajo Department of Agriculture, MoAF	SUBJECT: <i>Detail of reinforcement along length</i>		
Unit : "mm"	_08.08.2016	NA			DESIGN/DRAWN BY:- WMR Sector, RNR RDC Bajo Department of Agriculture, MoAF	CHECKED BY:- Mr.	APPROVED BY:- Dasho
File Name : RCC-01							
Drawing No.:I							
Sheet No. :01 of 02							

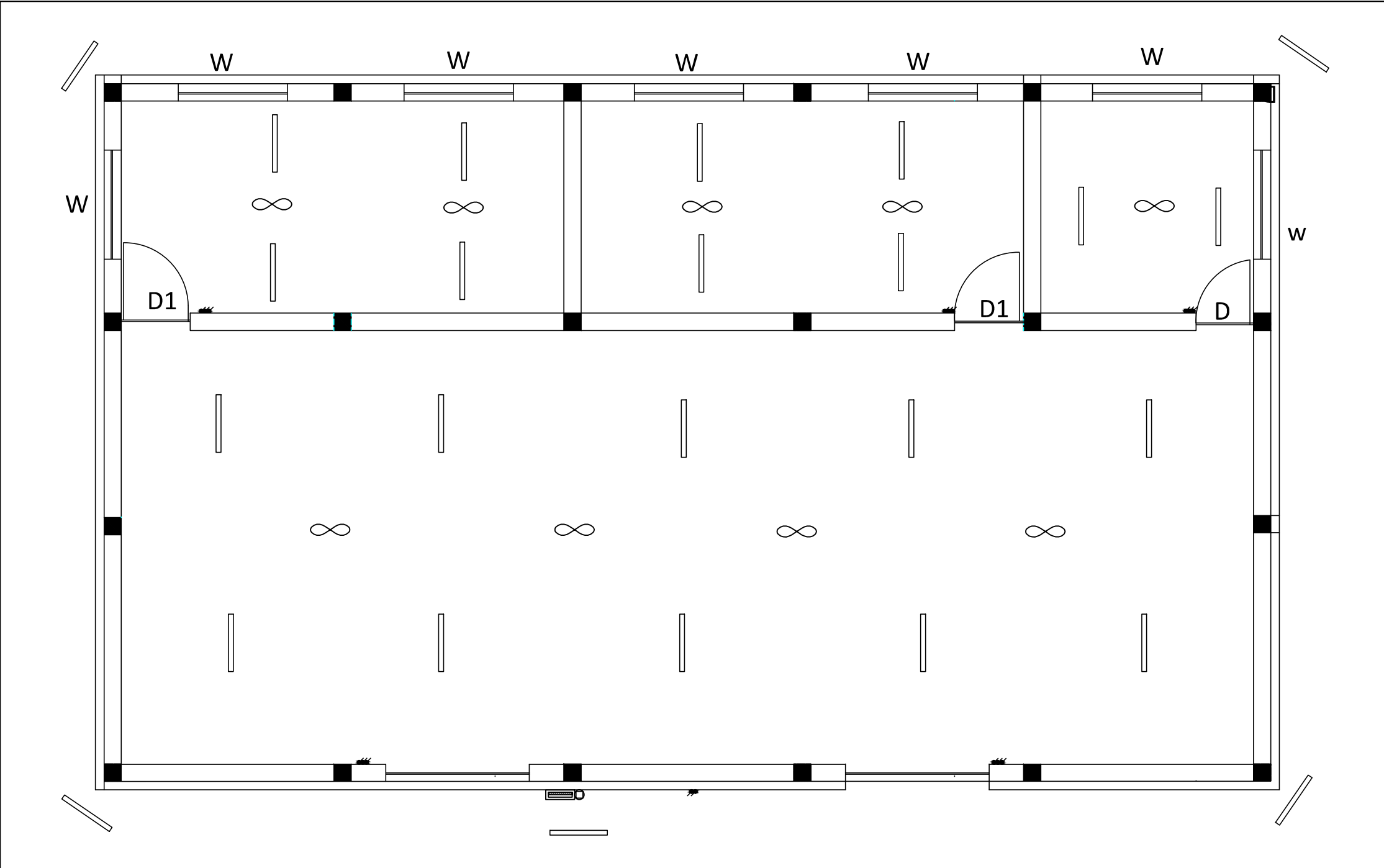




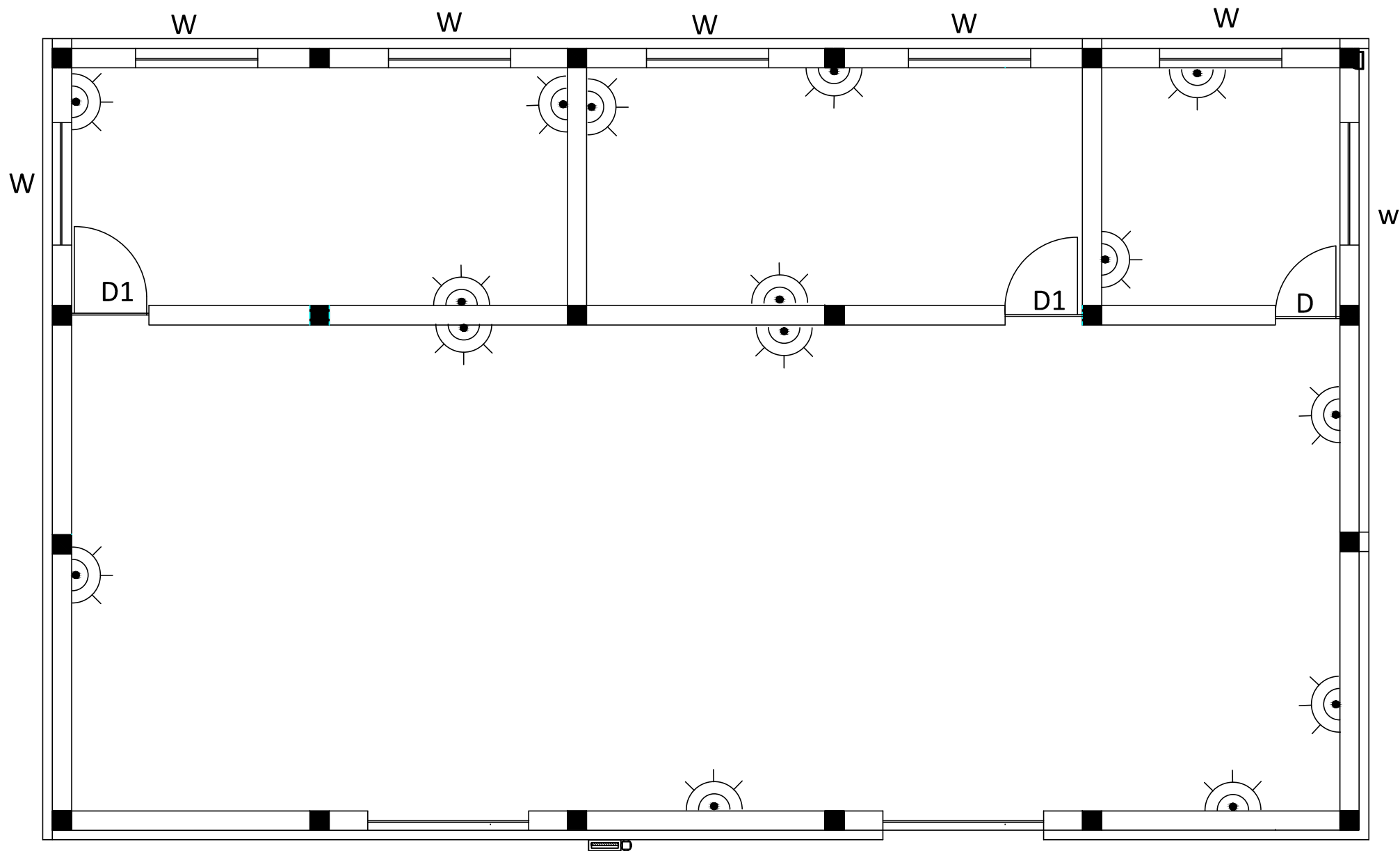
PLAN

FRONT EVELATION

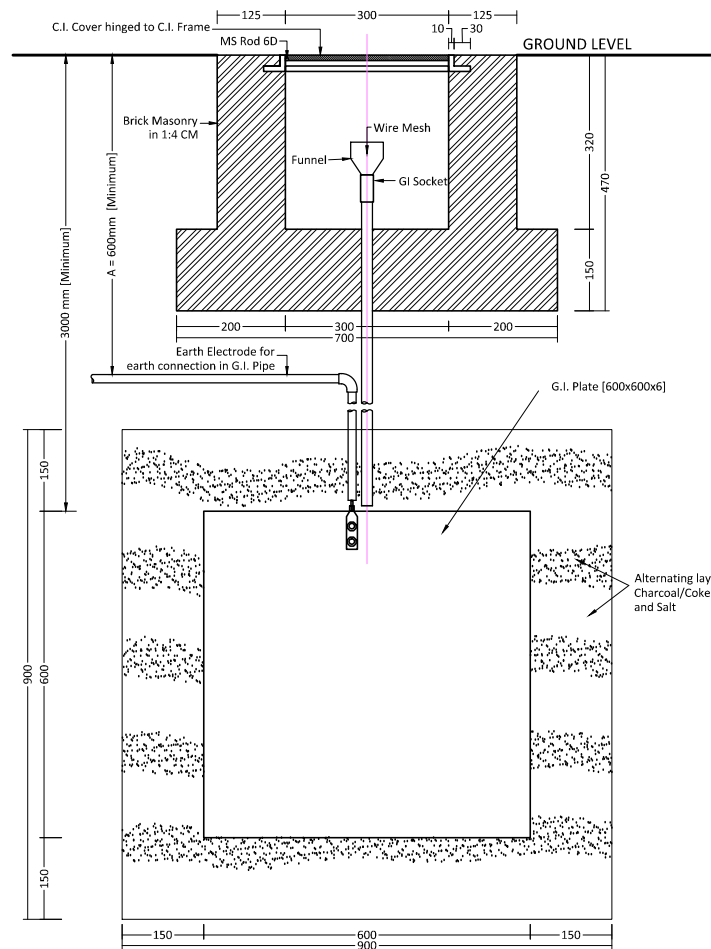
Scale	:1:40	Rev.No/Date	Content	NOTE:- 1. All dimensions in "mm" unless specified otherwise. 2. Dimensions are to be read not measured. 3. Report any discrepancies to the engineer/designer.	<div>Farm toilet</div> <div>AR&amp;DC,Bajo</div> <div>Department of Agriculture, MoAF</div>	SUBJECT: <i>SECTION- Showing ceiling 6mm thick inroom</i>		
Unit	: "mm"	2016-04-25	NA			DESIGN/DRAWN BY:- <i>WMR Sector, RDC Bajo</i> <i>Department of Agriculture, MoAF</i>	CHECKED BY:- <i>Mr.</i>	APPROVED BY:- <i>Dasho</i>
File Name	:01-Toilets							
Drawing No.:	Toilet-01							
Sheet No.	:01 of 01							



Scale :1:20		Rev.No/Date	Content	NOTE:- All dimensions in "mm" unless specified otherwise. Dimensions are to be read not measured. Report any discrepancies to the engineer/designer.	FARM STORE CUM WORKSHOP, 2016	SUBJECT: <i>Lighting points plan</i>			
Unit : "mm"		25.07.2016	NA			Agriculture Research & Development Centre, Bajo Department of Agriculture, MoA&F	DESIGN/DRAWN BY:- WMR Sector, ARDC Bajo Department of Agriculture, MoAF	CHECKED BY:-	APPROVED BY:-
File Name :01-workshop							Mr.		Dasho
Drawing No.:I									
Sheet No. :01 of 01									



Scale :1:20	Rev.No/Date	Content	NOTE:- All dimensions in "mm" unless specified otherwise. Dimensions are to be read not measured. Report any discrepancies to the engineer/designer.	FARM STORE CUM WORKSHOP,2016  Agriculture Research & Development Centre, Bajo  Department of Agriculture, MoAF	SUBJECT: POWER POINT PLAN		
Unit : "mm"	07.09.2016	NA			DESIGN/DRAWN BY:- WMR Sector, ARDC Bajo Department of Agriculture, MoAF	CHECKED BY:-  Mr.	APPROVED BY:-  Dasho
File Name :02-Workshop							
Drawing No.:2							
Sheet No. :02 of 02							



## LEGEND

	TUBE LIGHT
	LIGHT BRACKET
	CEILING FAN
	FAN-REGULATOR
	ONE WAY SWITCH
	TWO WAY SWITCH
	METER
	SOCKET OUTLET & SWITCH COMBINED, 3PIN-15AMP
	DISTRIBUTION FUSE BOARD WITH SWITCHES, POWER

Scale :1:20	Rev.No/Date	Content	NOTE:- All dimensions in "mm" unless specified otherwise. Dimensions are to be read not measured. Report any discrepancies to the engineer/designer.	FARM STORE CUM WORKSHOP,2016  Agriculture Research & Development Centre, Bajo  Department of Agriculture, MoAF	SUBJECT: <i>EARTHING DETAILS</i>		
Unit : <i>"mm"</i>	<i>07.09.2016</i>	<i>NA</i>			DESIGN/DRAWN BY:- <i>WMR Sector,ARDC Bajo</i>	CHECKED BY:-	APPROVED BY:-
File Name : <i>02-Workshop</i>					<i>Department of Agriculture, MoAF</i>	<i>Mr.</i>	<i>Dasho</i>
Drawing No.: <i>I</i>							
Sheet No. : <i>01 of 02</i>							



## S U M M A R Y

**Name of the work: Construction of Farm store cum Workshop and Toilet at ARDC,Bajo, Wangdue Phodrang**

SN	Name of work	Quantity/Unit	Amount (Nu)	Remark
1	Civil construction work for Farm Store cum Garage	1.00 blocks		
2	Electrification for Farm Store cum Garage	1.00 blocks		
3	Construction of Toilet	1.00 Unit		
<b>Total</b>				

*In Words :*

## BILL OF QUANTITY (Civil Work)

Name of the work: Construction of Farm store cum Workshop, at Wangdue Phodrang[Bajo]

SN	Code	Item description	Quantity /Unit		Rates		Amount (Nu)
					Words	Figure(Nu)	
1	EW0030	<b><u>EARTH WORK</u></b> <b><i>Excavation (Manually)</i></b> Clearing jungle including uprooting of vegetation & trees of girth <300mm & disposal within 50m of the site	100.28	cu.m			
2	EW0195	<b><i>Filling or bedding</i></b> : Filling of trenches, sides of foundations etc. in layers <200mm using selected excavated earth, ramming etc. within lead 50m & lift 1.5m	326.67	cu.m			
3	DR0001	<b><u>DRAINAGE</u></b> <b><i>Plinth Protection</i></b> Providing and laying 50mm thick Plinth Protection and grouted with fine sand mix including well rammed, finishing the top smooth: With cement concrete 1:3:6, 20mm aggregates, laid over 75mm thick layer of compacted gravel (40mm)	102.60	sq.m			
4	DR0012	<b><i>Open Surface Drains</i></b> Constructing second class brick masonry open surface drain in cement mortar 1:4 including earth work in excavation 100 mm thick concrete bed 1:5:10, 40mm aggregate and 25mm thick cement concrete 1:2:4, 12mm aggregate for filling haunches including 12mm cement plastering 1:4 with a floating coat of neat of surplus earth etc. complete cement and disposal: 250x300mm depth	91.00	m			
5	CW0003	<b><u>CONCRETE WORK</u></b> <b><i>Plain Cement Concrete</i></b> Providing and laying in position plain cement concrete excluding the cost of centering and shuttering - All work upto plinth level.: 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20mm nominal size)	31.69	cu.m			
6	RC0003	<b><u>REINFORCED CONCRETE</u></b> <b><i>Concreting Items</i></b> Providing & laying in position reinforced cement concrete excluding the cost of centering, shuttering and reinforcement - all work upto plinth level: 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20mm nominal size)	40.00	cu.m			

SN	Code	Item description	Quantity /Unit		Rates		Amount (Nu)
					Words	Figure(Nu)	
7	RC0011	<b>REINFORCED CONCRETE</b> <b>Concreting Items</b> Providing & laying in position reinforced cement concrete work in plinth and skirting courses, fillets, columns , pillars, posts and struts upto floor five level excluding the cost of centering, shuttering and reinforcement.: 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20mm nominal size)	10.36	cu.m			
8	RC0019	<b>Concreting Items</b> Providing & laying in position reinforced cement concrete work in beams, lintels, bands, plain window sills, staircases, spiral staircases upto floor five level excluding the cost of centering, shuttering and reinforcement: 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20mm nominal size)	21.88	cu.m			
9	RC0083	<b>Steel Reinforcement</b> : Providing & fixing Thermo-Mechanically Treated reinforcement bar (Yield Strength 500 MPa) for R.C.C work including cutting, bending, binding and placing in position complete	1,944.91	kg			
10	RC0090	<b>Formwork</b> Providing & fixing centering and shuttering (formwork), including strutting, propping etc. and removal of formwork: Foundation and plinth etc.	82.80	sq.m			
11	RC0092	<b>Formwork</b> Providing & fixing centering and shuttering (formwork), including strutting, propping etc. and removal of formwork: Lintels, beams, girders, bressumers, cantilevers etc.	120.22	sq.m			
12	RC0093	<b>Formwork</b> Providing & fixing centering and shuttering (formwork), including strutting, propping etc. and removal of formwork: Columns, pillars, post, struts etc.	120.00	sqm			
13	BW0003	<b>BRICK WORK</b> <b>One-Brick Masonry (250mm)</b> Providing & laying Second-Class Brick work in Foundation & Plinth: In cement mortar 1:5	49.49	cum			

SN	Code	Item description	Quantity /Unit		Rates		Amount (Nu)
					Words	Figure(Nu)	
14	SM0005	<b>STONE/MUD WORK</b>					
		<b>Random Rubble Masonry</b> Providing & laying Random Rubble Masonry with hard stone in foundation & plinth: In cement mortar 1:4	59.29	cu.m			
15	SM0072	<b>Stone Soling Filling &amp; Edging</b> : Providing and laying Hand packed stone filling or soling with stones	31.71	cum			
16	WW0003	<b>WOOD WORK</b>					
		<b>Dressed Timber Framing</b> Providing & fixing in position dressed wood work in frames of doors, windows, clerestory windows and other frames, wrought and framed: Mixed Conifer	4.02	cum			
17	WW0021	<b>Dressed Timber Framing</b> Providing & fixing joists, including hoisting, applying wood preservative on unexposed surfaces: Mixed Conifer	1.01	cu.m			
18	WW0030	<b>Dressed Timber Framing</b> Providing & fixing Eaves board (225x25mm) with moulding fitted and fixed with necessary screws: Mixed Conifer	78.00	m			
19	WW0060	<b>Undressed Timber Framing</b> Providing & fixing roof framing, in trusses, purlins, rafters, posts, post plates including hoisting, etc. (excluding steel items): Mixed Conifer	13.51	cum			
20	WW0112	<b>Wall&amp;Ceiling Linings</b> Providing & fixing Pre-laminated Particle Board Lining with necessary nails etc. complete (excluding cost of frame): 12mm	222.61	sqm			
21	WW0132	<b>Bison Panel</b> Providing & fixing Plywood lining with necessary nails etc. including beading complete (excluding cost of frame): 6mm, commercial	144.16	sqm			

SN	Code	Item description	Quantity /Unit		Rates		Amount (Nu)
					Words	Figure(Nu)	
22	WW0211	<b>Door&amp;Window Shutters</b> Providing & fixing 35mm thick Panelled or glazed doors and windows Shutters etc. complete including hinges: Mixed Conifer	24.36	sqm			
23	WW0325	<b>Window Accessories</b> : Providing & fixing MS round or square bars in window frames	230.69	kgs			
24	WW0326	<b>Window Accessories</b> : Providing & fixing MS round or square bars with MS flats in window frames	80.00	kgs			
25	WW0328	<b>Window Accessories</b> : Providing & fixing expanded metal 20x60mm strands 3.25x1.6mm including 60x20mm beading of Mixed Conifer	215.60	kgs			
26	WW0536	<b>Shutters Fittings</b> Providing & fixing MS tower bolt (barrel type) with necessary screws etc. complete: 150mm	68.00	Nos			
27	WW0545	<b>Shutters Fittings</b> Providing & fixing MS sliding door bolt, bright finished, enamelled with necessary screws etc. complete: 300mm	3.00	Nos			
28	WW0557	<b>Shutters Fittings</b> Providing & fixing MS handle with necessary screws etc. complete: 100mm	38.00	each			
29	SW0030	<b>STEEL WORK</b> <b>Doors/Windows&amp;Accessories</b> Providing & fixing in position with vertical channels 20x10x2mm and braced with flat iron, diagonals 20x5mm with top and bottom rails of T-iron 40x40x6mm with 38mm dia steel pulleys complete with bolts, nuts, locking arrangement, stoppers handles including applying a priming coat of red lead paint: Collapsible steel shutters	26.60	sqm			

SN	Code	Item description	Quantity /Unit		Rates		Amount (Nu)
					Words	Figure(Nu)	
30	FL0055	<b><u>FLOORING WORK</u></b> <b><i>Concrete Flooring</i></b> Providing & laying cement concrete flooring 1:2:4, finished with floating coat of neat cement: 20mm river gravel, 50mm thick	223.22	sqm			
31	FL0131	<b><i>Skirting</i></b> Providing & laying Cement plaster skirting <300mm height with cement mortar 1:3 with a floating coat of neat cement including rounding off junctions with floor: 22mm	12.23	sqm			
32	RF0001	<b><u>ROOFING</u></b> <b><i>CGI Sheeting</i></b> Providing & fixing Corrugated Galvanised Iron (CGI) sheeting, including bolts, hooks and nuts 8mm dia. with bitumen and G.I limpet washers filled with white lead for connection, excluding the cost of purlins, rafter and trusses: 24g	380.64	sqm			
33	RF0007	<b><i>CGI Sheeting</i></b> Providing & fixing 600mm ridges or hips in Pre Painted Galvanised Steel sheets, including bolts, hooks and nuts mm dia G.I limpet and bitumen washers for connection. : 24g	26.00	m			
34	RF0211	<b><i>Rain Water Pipe</i></b> Providing and fixing on wall face PVC bend for rigid rain water pipes including jointing with seal ring leaving 10mm gap for thermal expansion - complete: 90mm	2.00	m			
35	PL0041	<b><u>PLASTERING</u></b> <b><i>Cement Plaster</i></b> Providing & laying 20mm cement plaster: CM 1:4	555.20	sqm			
36	PL0075	<b><i>Cement Plaster</i></b> Providing & laying cement plaster, finished with floating coat of neat cement: 20mm plaster in CM 1:4	30.00	sqm			

SN	Code	Item description	Quantity /Unit		Rates		Amount (Nu)
					Words	Figure(Nu)	
37	PT0001	<b>PAINTING &amp; WALL PAPER</b> <b>Surface Preparation</b> Surface preparation removing by scraping, sand papering, including scratch repairs: White colour wash	532.29	sqm			
38	PT0012	<b>Painting Items</b> Providing & applying one coat of primers : Wood work -pink primer	599.41	sqm			
39	PT0042	<b>Painting Items</b> Providing and applying finishing coats: Acrylic washable distemper, two coats on new work, including cement primer coat	528.69	sqm			
40	PT0048	<b>Painting Items</b> Providing and applying finishing coats: High gloss synthetic enamel\for steel & wood work, two coats on new work	599.41	sqm			
41	PT0049	<b>Painting Items</b> Providing and applying finishing coats: High gloss synthetic enamel, for steel & wood work\one coat on old work	53.19	sqm			
42	PT0055	<b>Painting Items</b> Providing and applying finishing coats: Aluminium paint, two coats on new work	364.23	sqm			
A)	<b>Total amount</b>						
B)	<b>Cost Index/Discount</b>						
C)	<b>Net amount</b>						
D)	<b>In words:</b>						

## BILL OF QUANTITY (Electrical Work)

Name of the work: Construction of Farm store cum Workshop at Wangdue Phodrang[Bajo]

SN	Code	Item description	Quantity /Unit		Rates		Amount (Nu)
					Words	Figure(Nu)	
		<b><u>PVC CONDUIT WIRING</u></b> <b><i>Copper Conductor</i></b> Wiring for light, fans, call bell and 2 pin light socket outlet with 1.5 sq.mm 1.1kV grade, PVC insulated copper conductor cable in recessed HDPE pipe including connections, painting, testing and commissioning etc. as required					
1	WC0300	Short Point	12.00	point			
2	WC0301	Medium Point	7.00	point			
3	WC0302	Long Point	13.00	point			
		Wiring for 5/6 pin, 6/16 ampere plug point with 4 sq.mm 1.1kV grade, PVC insulated copper conductor cable in recessed HDPE pipe with providing and fixing 5/6 pin, 6/16 ampere socket outlet and switch including earthing the third pin, connections, painting, testing and commissioning etc. as required					
4	WC0340	Short Point	1.00	point			
5	WC0341	Medium Point	2.00	point			
6	WC0342	Long Point	9.00	point			



SN	Code	Item description	Quantity /Unit		Rates		Amount (Nu)
					Words	Figure(Nu)	
7	WC0381	Wiring for points in excess length above long points with 1.1kV grade, PVC insulated copper conductor cable in recessed HDPE pipe including connections, painting, testing and commissioning etc. as required 2x1.5 sq.mm	50.00	m			
8	WC0382	2x4 sq.mm	65.00	m			
9	WC0391	Wiring for lighting circuit with 1.1kV grade, PVC insulated copper conductor cable in recessed HDPE pipe including connections, painting, testing and commissioning etc. as required 2x2.5 sq.mm	35.00	m			
10	IL0158	<b><u>INDOOR LUMINIARIES (Supply)</u></b> <b><i>IndoorLuminaries</i></b> Supplying of prewired indoor fluoresent lamp luminaries housing of CRCA sheet steel rail, end with lamp holders, copper wound ballast, starter, starter holder, terminal block etc. but without lamp, LPF suitable for wall and ceiling Strip Rail 36/40 watt	15.00	each			
11	IL0171	Supplying of prewired indoor fluoresent lamp luminaries housing of CRCA sheet steel rail, end with lamp holders, copper wound ballast, starter, starter holder, terminal block etc. but without lamp, HPF suitable for wall and ceiling directly or pendant Mounting box 2x36/40 watt	10.00	each			
12	LS0126	<b><u>LAMPS &amp; LAMP SHADE</u></b> Supplying of fluorescent lamps 250 volts A.C TL lamp 36/40 watt	35.00	each			

SN	Code	Item description	Quantity /Unit		Rates		Amount (Nu)
					Words	Figure(Nu)	
13	FN0003	<b>FANS (Supply)</b> <b><i>Fans</i></b> Supplying of ceiling fan 240 volt A.C 1400 rpm with all accessories such as down rod, sweep 3 Nos., canopy 2 Nos., condenser and fan body etc. complete as required 1400mm sweep	9.00	each			
14	GB0006	<b>CONTROL GEAR &amp; BUSBAR (Supply)</b> <b><i>Busbar &amp; Busbar Chamber</i></b> Supplying of pre-fabricated MS busbar chamber with copper busbar complete with all accessories etc. as required 4 strips, 450mm bar, 200A	1.00	each			
15	GB0195	<b><i>Moulded Case Circuit Breaker (MCCB)</i></b> Supplying of panel moulded case circuit breaker (MCCB) with electronic release, breaking capacity 25KA, 4 pole 415 volt A.C complete with all accessories etc. as required 63A	1.00	each			
16	GB0271	<b><i>Miniature Circuit Breaker (MCB)</i></b> Supply of miniature circuit breaker (MCB) single pole, 230 volt A.C complete with all accessories suitable to fix on a din-bar etc. as required 10A	2.00	each			
17	GB0272	16A	12.00	each			

SN	Code	Item description	Quantity /Unit		Rates		Amount (Nu)
					Words	Figure(Nu)	
18	GB0428	<b><i>Residual Current Circuit Breaker (RCCB)</i></b> Supply of residual current circuit breaker (RCCB) double pole, sensitivity 30mA, 230 volt A.C complete with all accessories suitable to to fix on a din-bar etc. as required 40A	1.00	each			
19	GB0543	<b><i>Distribution Board (DB)</i></b> Supply of TPN distribution board (DIN type, horizontal)with metal door, 415 volt A.C complete with all accessories without MCB/isolator/RCCB out going or incoming etc. as required 16 way	1.00	each			
20	GB0592	<b><i>Metal Clad Plug &amp; Socket</i></b> Supply of 4 pole metal clad commercial/industrial type plug & socket outlet with earth terminal and incoming control gear MCB etc as required , 415 volt A.C 63A	3.00	each			
21	EI0056	<b><u>ERECTION/INSTALLATION</u></b> <b><i>Luminiaries Installation</i></b> Installation, testing and commissioning of prewired fluorescent fittings of all pendant type complete with all accessories and tubes including supplying and fixing ball and socket arrangement suspension down rod of 19mm dia 18 SWG MS conduit upto 300mm length, painting and including wiring down rod with PVC insulated copper conductor 1.5 sq.mm single core cable 1.1 KV grade	25.00	each			
22	EI0070	Providing extra down rod with 2x1 sq.mm PVC insulated single core copper conductor cable including painting as required 20mm dia, 2x100 mm long	9.00	each			

SN	Code	Item description	Quantity /Unit		Rates		Amount (Nu)
					Words	Figure(Nu)	
23	EI0096	<b>Fans Installation</b> Installation, testing and commissioning of all size ceiling fan and regulator including wiring the down rod of standard length upto 300mm with PVC insulated copper conductor 1.5 sq.mm single core cable 1.1 KV grade	9.00	each			
24	EI0110	Supplying extra down rod of G.I Pipe (heavy duty) with 2x1 sq.mm PVC insulated single core copper conductor cable, painting, cutting, and threading etc. as required 15mm dia, 100 mm long	4.00	each			
25	EI0173	<b>Busbars Installation</b> Installation, testing and commissioning of prefabricated bus bar chamber with copper bus bar complete with all accessories including connections etc. as required 4 strips, 300/450mm length, 200A	1.00	each			
26	EI0380	<b>Miniature Circuit Breaker (MCB)</b> Installation, testing and commissioning of SPN/DP miniature circuit breaker DIN type complete with all accessories to accommodate on/in prefabricated MS surface /MS cubical control panel board including drilling holes, connections etc as required 6/10/16/20A	15.00	each			
27	EI0411	<b>Moulded Case Circuit Breaker (MCCB)</b> Installation, testing and commissioning of four pole moulded case circuit breaker (DIN type) breaking capacity 16/25K complete with all accessories to accommodate on/in prefabricated MS surface/MS cubical control panel board including drilling holes, connections etc as required 63A, 415V	1.00	each			

SN	Code	Item description	Quantity /Unit		Rates		Amount (Nu)
					Words	Figure(Nu)	
28	EI0555	<b><i>Distribution Board</i></b> Installation, testing and commissioning of TPN DB (DIN type, horizontal/vertical) with no door, metal door or arcylic door (double/single door) complete with all accessories to accommodate incoming RCCB/ELCB/RCBO FP 125A sensitivity 30/100/300mA and outgoing SP MCB 6/10/16A on/in prefabricated MS surface /MS cubical control panel board including drilling holes, connections etc. as 12 way	1.00	each			
29	EI0578	<b><i>Plug &amp; Socket</i></b> Installation, testing and commissioning of metal clad commercial/industrial type plug& socket complete with all accessories to accommodate on/in surface or recessed including drilling holes, connections etc as required 4 pole 63A with earth terminal and incoming control gear 4 pole MCB 63A	3.00	each			
30	ET0002	<b><u>EARTHING</u></b> <b><i>Earthing &amp; Loop Earthing</i></b> Providing and fixing of earthing including all accessories, machinery enclosure, C.I cover plate having locking arrangement, watering pipe with excavation and refilling work including charcoal or coke and salt complete as required as per standard earthing drawing With copper earth plate 600x600x3mm	1.00	each			
31	ET0016	Providing and laying earth connection from earth electrodes in 15mm dia G.I pipe from earth electrodes as required as per guidance of standard earthing drawing  With 4.06mm dia (8SWG) copper wire	20.00	m			
		Providing and drawing wire for loop earthing in existing surface/ recessed PVC/MS/ steel conduit or casing capping or wooden batten along with other wires as required					

SN	Code	Item description	Quantity /Unit		Rates		Amount (Nu)
					Words	Figure(Nu)	
32	ET0121	2.032mm (14SWG) copper wire	90.00	m			
33	PC0182	<b><u>POWER CABLE (Supply)</u></b> <b><i>Aluminium Armoured</i></b> Supplying of 4- Core 1.1KV grade PVC insulated and sheathed Aluminium conductor armoured power cables 50 sq.mm	60.00	m			
34	NA	P/F of Three phase energy meter from BPC with all accessories and submit the receipt to the management. Energy Meter Three phase	1.00	each			
A)	Total amount						
B)	Cost Index/Discount						
C)	Net amount						
D)	In words:						

## E S T I M A T E (BSR-2013):

Name of the work: Construction of 1 unit toilets for farm store cum Workshop, at Bajo

SN	Code	Item description	Quantity /Unit		Rates		Amount (Nu)
					Words	Figure(Nu)	
1	EW0002	<b><u>EARTH WORK</u></b> <b><i>Excavation (Manually)</i></b> Surface dressing of ground, including removal of vegetations and nequalities < 150mm deep, disposal of rubbish within 50m lead and 1.5m lifts Hard Soil	3.93	sq.m			
2	DR0002	<b><u>DRAINAGE</u></b> <b><i>Plinth Protection</i></b> Providing and laying 50mm thick Plinth Protection and grouted with fine sand mix including well rammed, finishing the top smooth With cement concrete 1:3:6, 20mm gravel or shingles laid over 75mm thick layer of compacted gravel (40mm)	16.80	sq.m			
3	DR0011	<b><i>Open Surface Drains</i></b> Constructing second class brick masonry open surface drain in cement mortar 1:4 including earth work in excavation 100 mm thick concrete bed 1:5:10, 40mm aggregate and 25mm thick cement concrete 1:2:4,12mm aggregate for filling haunches including 12mm cement plastering 1:4 with a floating coat of neat of surplus earth etc. completecement and disposal 150x200mm depth	16.80	m			
4	CW0003	<b><u>CONCRETE WORK</u></b> <b><i>Plain Cement Concrete</i></b> Providing and laying in position plain cement concrete excluding the cost of centering and shuttering - All work upto plinth level. 1:2:4 (1 cement : 2 sand : 4 graded crushed rock 20mm nominal size)	1.58	cu.m			

SN	Code	Item description	Quantity /Unit		Rates		Amount (Nu)
					Words	Figure(Nu)	
5	BW0002	<u><b>BRICK WORK</b></u> <b><i>One-Brick Masonry (250mm)</i></b> Providing & laying Second-Class Brick work in Foundation & Plinth In cement mortar 1:4	6.69	cu.m			
6	SM0072	<u><b>STONE/MUD WORK</b></u> <b><i>Stone Soling Filling &amp; Edging</i></b> Providing and laying Hand packed stone filling or soling with stones	1.00	cu.m			
7	WW0003	<u><b>WOOD WORK</b></u> <b><i>Dressed Timber Framing</i></b> Providing & fixing in position dressed wood work in frames of doors, windows, clerestory windows and other frames, wrought and framed Mixed Conifer	0.14	cu.m			
8	WW0011	<u><b>WOOD WORK</b></u> <b><i>Dressed Timber Framing</i></b> Providing & fixing blue pine moulded beading to door, window frames with iron screws including plugs, priming coat on unexposed surfaces 50x20mm	16.00	m			
9	WW0060	<u><b>WOOD WORK</b></u> <b><i>Undressed Timber Framing</i></b> Providing & fixing roof framing, in trusses, purlins, rafters, posts, post plates including hoisting, etc. (excluding steel items) Mixed Conifer	0.70	cu.m			



SN	Code	Item description	Quantity /Unit		Rates		Amount (Nu)
					Words	Figure(Nu)	
10	WW0132	<b><u>WOOD WORK</u></b> <b><i>Bison Panel</i></b> Providing & fixing Plywood lining with necessary nails etc. including beading complete (excluding cost of frame) 6mm, commercial	36.86	sq.m			
11	WW0211	<b><u>WOOD WORK</u></b> <b><i>Door&amp;Window Shutters</i></b> Providing & fixing 35mm thick Panelled or glazed doors and windows Shutters etc. complete including hinges Mixed Conifer	3.62	sq.m			
12	WW0545	<b><u>WOOD WORK</u></b> <b><i>Shutters Fittings</i></b> Providing & fixing MS sliding door bolt, bright finished, enamelled with necessary screws etc. complete 300mm	1.00	each			
13	WW0646	<b><u>WOOD WORK</u></b> <b><i>Kicking plate</i></b> Providing & fixing brass tower bolt (barrel type) with necessary screws etc. complete 150mm	5.00	each			
14	WW0665	<b><u>WOOD WORK</u></b> <b><i>Kicking plate</i></b> Providing & fixing brass handle with necessary screws etc. omplete 150mm	5.00	each			

SN	Code	Item description	Quantity /Unit		Rates		Amount (Nu)
					Words	Figure(Nu)	
15	SW0080	<b><u>STEEL WORK</u></b> <b><i>Steel Fasteners</i></b> Providing & fixing MS round hold down bolts with nuts and washer plates	8.00	kg			
16	FL0051	<b><u>FLOORING WORK</u></b> <b><i>Concrete Flooring</i></b> Providing & laying cement concrete flooring 1:2:4, finished with floating coat of neat cement 20mm aggregates, 40mm thick	4.41	sq.m			
17	RF0001	<b><u>ROOFING</u></b> <b><i>CGI Sheet ing</i></b> Providing & fixing Corrugated Galvanised Iron (CGI) sheeting, including bolts, hooks and nuts 8mm dia. with bitumen and G.I limpet washers filled with white lead for connection, excluding the cost of purlins, rafter and trusses 24g	40.00	sq.m			
18	RF0005	<b><u>ROOFING</u></b> <b><i>CGI Sheet ing</i></b> Providing & fixing 600mm ridges or hips in plain GI including bolts, hooks and nuts 8mm dia G.I limpet and bitumen washers for connection 24g	5.50	m			
19	PI0050	<b><u>PLUMBING - INDOOR WORK</u></b> <b><i>Pans &amp; Cisterns</i></b> Providing & fixing Indian type W.C vitreous china w.c pedestal including seat and lid with c.p brass hinges, 15 lit white vitreous china low level cistern, fittings, brackets, repair walls white, with plastic seat & lid	1.00	each			

SN	Code	Item description	Quantity /Unit		Rates		Amount (Nu)
					Words	Figure(Nu)	
20	PI0088	<b><u>PLUMBING - INDOOR WORK</u></b> <b><i>Basins &amp; Sinks</i></b> Flat back wash basin 550x400mm with single 15mm c.p. brass pillar tap	1.00	each			
21	PI0095	<b><u>PLUMBING - INDOOR WORK</u></b> <b><i>Basins &amp; Sinks</i></b> Providing & fixing white vitreous china angle back wash basin 400x400mm including brackets, 15mm c.p brass pillar taps, c.p brass chain & rubber plug, 32mm c.p brass waste, 32mm dia c.p brass trap and GI union and repair walls With single 15mm c.p. brass pillar tap	2.00	each			
22	PI0141	<b><u>PLUMBING - INDOOR WORK</u></b> <b><i>Drain Board, Rubber plug</i></b> Providing & fixing c.p. brass chain & rubber plug for basin and sink	1.00	each			
23	PI0185	<b><u>PLUMBING - INDOOR WORK</u></b> <b><i>Water Supply Fittings</i></b> 15mm, standard, c.p knob	2.00	each			
24	PI0251	<b><u>PLUMBING - INDOOR WORK</u></b> <b><i>Bathroom Accessories</i></b> Providing & fixing 450x120mm glass shelf, including c.p brass brackets fixed to wooden cleats	1.00	each			
25	PO0016	<b><u>PLUMBING - OUTDOOR WORK</u></b> <b><i>External Water Supply Pipework</i></b> Providing & laying HDPE pipes, pressure class 10kg/sq.m, including HDPE fittings (excluding trenching, refilling & thrust block) 32mm	385.00	m			

SN	Code	Item description	Quantity /Unit		Rates		Amount (Nu)
					Words	Figure(Nu)	
26	PO0372	<b><u>PLUMBING - OUTDOOR WORK</u></b> <b><i>Waste Fittings &amp; Accessories</i></b> Providing & fixing PVC soil waste and vent pipes, single or double socketed, including pipe clip complete (excluding the cost of PVC fittings) 110mm dia	10.00	m			
27	PO0427	<b><u>PLUMBING - OUTDOOR WORK</u></b> <b><i>Waste Fittings &amp; Accessories</i></b> Providing & fixing PVC Long arm bend with door 110mm dia	2.00	each			
28	PO0600	<b><u>PLUMBING - OUTDOOR WORK</u></b> <b><i>Soak-pits &amp; Septic Tanks</i></b> Constructing Soak Pit Size 1200x1200x1200mm, filled with brick bats including 100mm SW drain pipe X 1200mm long	1.00	each			
29	PO0610	<b><u>PLUMBING - OUTDOOR WORK</u></b> <b><i>Soak-pits &amp; Septic Tanks</i></b> Constructing Septic Tanks, in RR Masonry in cement mortar 1:6, including fittings, CI cover with frame, 40mm thick concrete flooring (40mm aggregates) cement plaster concrete base in CC 1:4:8 etc. complete as per standard design 15 users	1.00	each			
30	PL0041	<b><u>PLASTERING</u></b> <b><i>Cement Plaster</i></b> Providing & laying 20mm cement plaster CM 1:4	33.98	sq.m			

SN	Code	Item description	Quantity /Unit		Rates		Amount (Nu)
					Words	Figure(Nu)	
31	PT0012	<u><b>PAINTING &amp; WALL PAPER</b></u> <b><i>Painting Items</i></b> Providing & applying one coat of primers Wood work -pink primer	41.70	sq.m			
32	PT0042	<u><b>PAINTING &amp; WALL PAPER</b></u> <b><i>Painting Items</i></b> Providing and applying finishing coats Acrylic washable distemper, two coats on new work, including cement primer coat	33.98	sq.m			
A)	<b>Total amount</b>						
B)	<b>Cost Index/Discount</b>						
C)	<b>Net amount</b>						
D)	<b>In words:</b>						