



TENDER DOCUMENT

NATIONAL HORTICULTURAL RESEARCH AND DEVELOPMENT FOUNDATION

Bagwani Bhawan, 47, Pankha Road Institutional Area,
Janakpuri, New Delhi – 110058
Phones: 011-28524150, 28522211, 45136697, 28525129
E: mail: delhi@nhrdf.com visit us at www.nhrdf.org

Name of the work : **Construction of onion storage sheds in
Punjab (5 Nos.) Uttar Pradesh (8 Nos.),
Haryana (5 Nos.), Delhi NCR (3 Nos.)
and Bihar (4 Nos.) of 15,20&25 MT
capacity each.**

Part-I (TECHNICAL BID)

Part-II (FINANCIAL BID)

E.M.D. : **Amount equal to 1% of the tendered value**

Last date for receipt of tender : **24/02/2023 upto 2 PM**

Date of opening of sealed tenders : **24/02/2023 at 2:30 PM**

Cost of tender documents : **Rs. 2,000/- (Non-refundable)**

**Address for submitting
Tender documents** : **As indicated above**



NATIONAL HORTICULTURAL RESEARCH AND DEVELOPMENT FOUNDATION

Bagwani Bhawan, Plot No. 47, Institutional Area, Pankha Road,
New Delhi-110058 Tel.: 011 28524150, 28525129, 45136697, 28522211

E-mail: delhi@nhrdf.com Visit us at: www.nhrdf.org

TENDER DOCUMENT FOR

Construction of onion storage sheds in the states of Punjab (5 Nos.), Uttar Pradesh (8 Nos.), Haryana (5 Nos.), Delhi NCR (3 Nos.) and Bihar (4 Nos.) of 25 MT capacity each

INDEX

SR. NO.	DESCRIPTION (Part-I – Technical Bid)	PAGE NO.
1	Cover page	1
2	Index	2
3	Tender Notice	3
4	Bid Information Sheet	4
5	Forwarding letter	5 - 6
6	Address for submission of tender documents	7
7	Terms and Conditions	8 - 12
8	Organizational Profile and list of documents to be submitted with the Technical Bid (Annexure – 1)	14-15
9	Format of Undertaking to be furnished by the Tenderer on Non-Judicial stamp paper of Rs.100/- – (Annexure – II)	16
10	Proposed State & location for construction of onion storage sheds	17
11	Part-II - Financial Bid	18-27
12	Drawings of onion storage sheds	28-32
13	Declaration by Tenderer	33



**NATIONAL HORTICULTURAL RESEARCH AND DEVELOPMENT
FOUNDATION**

H.O. -Bagwani Bhawan, 47, Pankha Road Institutional Area, Janakpuri,
New Delhi – 110 058

Phones: 011-28524150, 28522211, 45136697 ,28525129

Email: delhi@nhrdf.com visit us at www.nhrdf.org

Ref: NHRDF/HO/MIDH/Onion storage sheds/2022-23/5280

Dated: 09/02/2023

TENDER NOTICE

NHRDF invites sealed tenders from reputed and experienced contractors registered under appropriate class for construction of onion storage sheds in the states of Punjab (5 numbers), Uttar Pradesh (8 numbers), Haryana (5 numbers), Delhi NCR (3 numbers) and Bihar (4 numbers) of 15,20&25 MTs capacity each.

The detailed terms & conditions of tender documents can be downloaded from NHRDF & KVK websites www.nhrdf.org & www.kvkdelhi.org. The interested parties have the discretion/choice of submitting tender documents for construction of onion storage sheds in all the identified districts of one state or more than one state or for all the states. The bidders may download the tender document from the above stated website by making payment of non-refundable tender fee of Rs.2000/- by DD and submit the duly filled in sealed tender documents complete in all respect at the above mentioned address on or before 24/02/2023. Tenders will be opened on the same day in the presence of the tenderers. The Director, NHRDF reserves the right to accept or reject any or all tenders without assigning any reason.

DIRECTOR

BID INFORMATION SHEET

1	Document Description	Tender documents include the detailed terms and conditions of the bidding process for construction of onion storage sheds in the states of Punjab (5 Nos.) Uttar Pradesh (8 Nos.), Haryana (5 Nos.), Delhi NCR (3 Nos.) and Bihar (4 Nos.) of 15,20&25 MT capacity each.
2	Tender No. & Date	NHRDF/HO/MIDH/ONION STORAGE SHEDS/2022-23/ 5280 _____ DATED : 09/02/2023 _____
3	Last date for submission of bids	24/02/2023 upto 2:00 PM
4	Bid Opening (Technical bid)	24/02/2023 at 2:30 PM
5	Place of Tender Opening	NHRDF, Bagwani Bhawan, Plot no.47, Pankha Road Institutional Area, Janakpuri, New Delhi – 110 058
6	Officer Inviting Bids	Director, NHRDF, New Delhi
7	Contact Details/Telephone of NHRDF	New Delhi - Phone: 011-28522211, 28525129, 45136697 E-mail: delhi@nhrdf.com
8	Tender fee (non- refundable)	<u>Tender Fee:</u> Participating bidders will have to pay an amount of Rs.2, 000/- (non-refundable) towards tender fee through Demand Draft in favour of NHRDF payable at New Delhi.
9	Total Security Deposit	As per Clause- 3.5 of Tender
10	Eligibility Criteria	Please refer to Clause- 2(b) at page no. 8 of tender document.
11	Process for bid submission	1. The participating bidders in the tender should have appropriate experience and financial capacity. 2. Two Bids System will be followed in the tender procedure 1) Technical Bid & 2) Financial Bid
12	Rights reserved with the Department	NHRDF reserves the right to accept or reject any or all the tenders received without assigning any reason
13	General Terms and Conditions	As per tender documents.

FORWARDING LETTER

From:

Email: _____

Mob. Nos. _____

To,

The Director

National Horticultural Research & Development Foundation

Bagwani Bhawan, Plot No. 47,

Pankha Road Institutional Area,

New Delhi – 110058

Subject: Construction of onion storage sheds in the states of Punjab (5 Nos.) Uttar Pradesh (8 Nos.), Haryana (5 Nos.), Delhi NCR (3 Nos.), Bihar (4 Nos.) of 15,20&25 MT capacity each under MIDH Project

Dear Sir,

With reference to your advertisement notice no NHRDF/HO/MIDH/ONION STORAGE /2022-23/_____ DATED _____.

published in _____ on _____ NHRDF Website inviting tenders for construction of above mentioned onion storage sheds, we are pleased to submit sealed (technical and financial) bids for construction of onion storage sheds at (Name of the State (s) _____) after carefully examining and understanding the terms and conditions prescribed in the tender documents and the rates have been worked out after considering the item-wise details and other clauses indicated therein.

1. Name and address of firm and date of establishment :
(Please mention telephone number/fax number/email/website/address)
2. Status of the Organization:
(Manufacturer, authorized distributor/reseller)
3. Name of Proprietor/Partners/Directors & their permanent address alongwith contact number and email address
4. Address and contact numbers of registered office & branch :
5. Name & designation with specimen
Signature of authorized officials/representatives (if required separate sheet can be attached)

6. Name & address of bankers :
7. Pan No, (attach copy) :
8. GST Regn. No. (attach copy) :
9. Price offered (is enclosed separately) in "Schedule of Price/Quantity offered".
10. The demand draft no. _____ dated of the _____
_____ Bank amounting to Rs. 2,000/- (Rs. Two thousand only) as Tender cost
and demand draft bearing No. _____ dated _____ of
_____ Bank amounting to 1% of the tendered value of Rs. (Rupees
) as Earnest Money Deposit drawn in favour of National Horticultural Research &
Development Foundation, payable at New Delhi.

We are aware that the earnest money shall be forfeited in case we refuse to supply the material required for construction of above sheds or refuse to undertake construction work in time, if the job is assigned.

We are also aware that our offer shall be rejected in case we do not enclose the either the Demand Draft for tender fee or for the EMD and other necessary documents/ papers as per tender documents. We assure to complete the work within the stipulated period.

Thanking you,

Date :

Place :

Authorized Signatory
(Name and complete address of
the tenderer alongwith the seal)

Address for sending tender documents through Registered post /Speed
Post / Courier / By hand:

The Director,
National Horticultural Research & Development Foundation
Bagwani Bhawan, Plot No. 47,
Institutional Area, Pankha Road,
New Delhi – 110 058

Tel.: 011-28524150, 28525129, 45136697
E-mail: delhi@nhrdf.com Visit us at: www.nhrdf.org

TERMS AND CONDITIONS OF THE PROPOSED CONSTRUCTION OF ONION STORAGE SHEDS IN THE STATES OF PUNJAB (5 NOS.), UTTAR PRADESH (8 NOS.), HARYANA (5 NOS.), DELHI NCR (3 NOS.) AND BIHAR (4 NOS.) OF 15,20&25 MT CAPACITY EACH

1.0 INTRODUCTION

NATIONAL HORTICULTURAL RESEARCH AND DEVELOPMENT FOUNDATION (NHRDF) is desirous of constructing onion storage sheds in the states of Punjab (5 Nos.), Uttar Pradesh (8 Nos.), Haryana (5 Nos.), Delhi NCR (3 Nos.), Bihar (4 Nos.) of 15,20&25 MT capacity each.

INSTRUCTIONS TO BIDDERS

- 2.0 The tenderer shall submit duly filled in tender complete in all respect in two separate sealed envelopes:

Part – I : Technical Bid Proposal in sealed in sealed envelope

Part – II: Financial Bid Proposal in sealed envelope

The financial bid will be opened only if the tenderer is found to be qualified in technical bid.

PART - I -SEALED TECHNICAL BID IN ENVELOPE NO.1:

This envelope should contain the following mentioned information/documents for the above work:

- a) Earnest Money Deposit (EMD) equal to 1% of the tendered value amount to **Rs._____** - (Rupees_____ only) and Tender Fee of **Rs.2,000/-** (Rupees two thousand only) by way of demand draft of any nationalized bank drawn in favour of **National Horticultural Research And Development Foundation payable at New Delhi** must be deposited. The amount of EMD and Tender fee will be acceptable only by way of demand draft. Amount deposited by any other mode will not be acceptable. Any technical bid not accompanied with amount of EMD and Tender Fee through prescribed mode of payment, is liable to be summarily rejected.

NOTE: PLEASE NOTE THAT THE AMOUNT OF EMD WILL DEPEND UPON THE NUMBER OF STATES IN WHICH BIDDER HAS TENDERED TO PARTICIPATE.

- b) The civil contractor should have valid registration with any Govt. Department under appropriate class having adequate experience of civil works (Attach copy of such registration)
- c) The tenderer should have minimum of 3 years of experience in the analogous field in the country. The tenderer should also have minimum annual turnover of Rs.25 Lakhs

in the last 3 years. A list of clients with their contact details for whom the tenderer has executed projects of similar nature may be submitted. Self-attested copies of documents in support of the minimum eligibility criteria stipulated in the bid document must be submitted.

- d) The tenderer should submit self-attested certificate of incorporation of the firm/company, memorandum and articles of association.
- e) Name of the bidder, address, contact numbers (office and mobile number), email address, nature of firm/company (proprietorship/partnership firm/private or public limited company, name of the Chief Executive etc. may be furnished.
- f) Letter of authorization by the competent person of the company in favour of the person signing the bid documents alongwith his identity card/adhaar card to establish the identity of authorized person may be attached.
- g) Self-attested copies of PAN and GST registration numbers of the firm/company may be attached.
- h) Self-attested copies (in PDF format) of audited balance sheet, P&L account of last 3 years may be attached.
- i) In case the tenderer makes any deviation or makes any addition to the list of items mentioned in BOQ in the tender, which in the opinion of tenderer is necessary for proper execution of the project in question, the details of such deviation/additional items may be furnished without mentioning rates/costs etc. duly signed by the authorized person for consideration by NHRDF.
- j) The above details alongwith supporting documents may also be filled in **Annexure-I** to this tender document.

The tenderer must super scribe the sealed **Envelope No.1 as Technical Bid** for construction of onion storage sheds to be opened on 24/02/2023 at 2.30 PM by NHRDF in the presence tenderers.

PART -II - SEALED FINANCIAL BID IN ENVELOPE NO. 2:

- a) The amount of EMD of unsuccessful tenderers shall be returned within a reasonable period of time without payment of any interest.
- b) In case of successful tenderer, the amount of EMD will be retained by NHRDF and shall be adjusted against the security deposit which will be 5% of the total value of the tendered value of the project.
- c) The tenderers should submit rates against each item as per BOQ in the financial bid. The financial bid should be submitted without any condition.

- d) The tenderers are advised to undertake at their discretion a survey of the site to familiarize themselves with the site conditions before preparing the bid documents at their own cost.
- e) The tenderer must super scribe the sealed **Envelope No.2 as Financial Bid** for construction of onion storage sheds to be opened on 24/02/2023 at 2.30 PM by NHRDF in the presence tenderers.

The **two sealed envelopes no.1 and 2 of Technical and Financial Bids** should thereafter be put in another sealed master envelope super-scribing tender for construction of onion storage sheds in the states of Punjab (5 Nos.) Uttar Pradesh (8 Nos.), Haryana (5 Nos.), Delhi NCR (3 Nos.), and Bihar (4 Nos.) of 15,20&25 MT capacity each or **super scribe the name of the state (s) for which the tender is submitted.**

The tender should be submitted in NHRDF office at Janakpuri, New Delhi by 10/11/2022 latest by 2 PM. We shall not be responsible for any delay in receipt of the tender. Late tenders shall not be considered.

NHRDF reserves the right to reject any or all the tenders, without assigning any reasons.

3.0 GENERAL TERMS AND CONDITIONS

- 3.1 **Boarding and Lodging arrangement:** The tenderers shall make their own arrangement for boarding, lodging, travel, transportation of equipment, vehicles, laborers, local transport etc. required for this work.
- 3.2 **Time period for completion of work –** The entire work of construction of onion storage sheds should be completed in all respect maximum of **3 Months** from the date of work order.
- 3.3 **Liquidated damages:** Time is the essence of the contract. Liquidated damages shall be imposed @ Rs.2,000/- per day for the excess period taken for completion of work than the period specified in the contract, subject to a maximum of 5% of total agreed cost of project.
- 3.4 **Signing of Agreement:** The successful tenderer shall be required to sign an agreement on non-judicial stamp paper of Rs.100/- within a week of issue of work order.
- i) **Security Retention:** In case of successful tenderer, the amount of EMD will be retained by NHRDF and shall be adjusted against the security deposit which will be 5% of the total value of the project cost. The remaining amount of 4%, after adjusting 1% of the tendered value), shall have to be paid by the successful tenderer at the time of execution of the Agreement. The 50% of total security amount (5%) will be refunded on virtual completion and settlement of final bills and the remaining 50% security shall only be refunded after expiry of Defect Liability Period of oneyear from date of handing over the completed project.
- 3.5 **Permission/authorization:** It shall be the responsibility of the tenderer to seek and obtain, well in time, necessary permission from appropriate state authorities as may be necessary for execution of the project. Any authorization, if required by the tenderer for seeking such permission, the same can be given by the NHRDF.
- 3.6 **Supervision:** The tenderer shall provide at all times access to and facilitate inspection and supervision of the works and records by the authorized personnel of NHRDF
- 3.7 **Data Collection:** Data required for carrying out these works shall be collected by the contractor. However, NHRDF shall issue necessary authorization letters required, if any for collecting the same.
- 3.10 **Incomplete/late submission of tender:** Incomplete tender or over writing in tender without the counter signature of the authorized person or tender received after the prescribed last date and time shall not be accepted under any circumstances.
- 3.11 **Submission of Progress Report:** The tenderer shall submit weekly progress reports to NHRDF about the work and shall comply to the instructions of authorized officer of NHRDF.
- 3.12 **Financial / Payment Conditions and Warranty:**
No request for the advance will be entertained by the NHRDF. Payment will be made as full & final settlement only after successful completion of works in all respect.

- 3.12.1 **Bill of Quantities:** The Bill of Quantities is only indicative in nature and is mentioned to facilitate tenderers to arrive at the total value of the project. The payment shall be made as per actual quantities at the rates accepted by NHRDF.
- 3.13 **Assigning or sub-letting the work:** In no case subletting of full or part of the work shall be allowed after submitting the bid.
- 3.14 **Dispute:** In the event of any dispute, the effort will be first made to amicably resolve the dispute. In case the dispute still remains unresolved, the same shall be referred to the sole arbitration of the Director, NHRDF, New Delhi and his decision shall be final & binding on both the parties to the agreement. The arbitration proceedings shall be held in accordance with Indian Arbitration Act as revised from time to time. The venue of the arbitration shall be Delhi.
- 3.15 **Acceptance/Rejection of tender:** NHRDF reserves the right to reject any or all tenders without assigning any reason.
- 3.16 **Measurement of work:** Final measurement of the work would be made jointly by the tenderer and the authorized representative/committee of officers of NHRDF only after receipt of confirmed work completion report in writing from the tenderer.
- 3.17 **Submission of Final bill:** The final bill should be submitted within a month of receipt of satisfactory completion of the work report by committee or representative. The item rate shall remain firm till completion of work and will not be subject to any increment / escalation in rates / cost etc. on any material / label / tax etc. or on whatsoever grounds.
- 3.18 **Inspection of site:** The tenderers shall visit the sites before tendering to acquaint themselves thoroughly with all the matters concerning the timely completion of works. They should also be well conversant with the rate of local taxes and other rates and charges of the government charges etc. which are to be entirely borne by them.
- 3.19 Water and Power connection available at site will be provided to contractor on payment basis however, if more water/power supply is required, the contractor will make his own arrangement.
- 3.20 If the contractor fails to complete or shows unsatisfactory progress, NHRDF may engage daily labour or another contractor by giving proper notice to original contractor and the whole cost which is usually higher shall be debited or will be charged to the contractor.

4. **SPECIAL CONDITIONS OF CONTRACT:**

- 4.1 The tenderer shall nominate and authorize one of its officers for liaising with NHRDF personnel in connection with the work.
- 4.2 The tenderer shall note that the quantities indicated in the Bill of Quantities (BOQ) are indicative only and may vary. The payment shall be made as per actual quantity executed only. For calculating the total contract amount unit rates accepted by NHRDF shall be adopted.
- 4.3 The tenderers shall be solely responsible for the safety, loss, theft, break down etc. of their equipment and safety of the manpower and shall get the same appropriately insured. No responsibility on this count shall devolve on NHRDF.
- 4.4 All rates quoted shall be inclusive of all duties, taxes, octroi etc. of. No extra claim shall be payable. NHRDF shall however deduct taxes at source, as may be applicable and shall provide a certificate in lieu thereof.

5.0 SCOPE OF WORK:

The tenderer shall carry out and complete the works in every respect in accordance with this contract/agreement and with the directions of and to the satisfaction of the NHRDF. The NHRDF may in absolute discretion and from time to time issue written instructions, details, directions and explanations which are hereafter collectively referred to as "instructions" reflected either in the minutes or in any other form in regard to :

- a. The variation or modification of the design quality or quantity of works or the quality specification or addition or omission or substitution of any work.
- b. Any discrepancy in or divergence between the schedule of quantities and/or specifications.
- c. The removal from the site of any material brought thereon by the contractor and the substitution of any other materials thereof.
- d. The removal and/or re-execution of any works executed by the contractor.
- e. The postponement of any work to be executed under the provisions of this contract.
- f. The dismissal from the works of any person employed thereupon.
- g. The opening up for inspection of any covered up work.
- h. The amending and making good of any defects.
- i. Co-ordination of work with other agencies.

6.0 Validity of Tender: Tender will be valid for a period of 3 months from the date of submission.

The NHRDF shall have a right to delete or add or substitute any item of work from the scope of contract and the Contractor shall raise the bill on this count accordingly in terms of the agreement. The contractor shall forthwith comply with NHRDF instructions, directions and explanations given to the contractor or his representative relating to the project within the scope of the work. The above instruction given must be confirmed in writing by the NHRDF to the contractor and if the contractor does not agree with any such direction/instructions, he may submit the reasons for not agreeing with such directions/instructions in writing within 7 days of receipt of such directions/instructions from NHRDF.

**ORGANIZATIONAL PROFILE AND LIST OF DOCUMENTS TO BE SUBMITTED WITH
THE TECHNICAL BID**

Particulars of Tenderer / Bidder

Name of the Bidder firm / company	
Office Address: Telephone number: Mobile: E-mail ID:	
Registration No. & Nature of the firm whether private/public limited company or	
Government Organization or Autonomous Body or Cooperative Organization or a Proprietorship firm or a Partnership firm	
Name and contact person details of all partners/Directors/ members the bidder on the date of submission of bid. (Separate sheet may be attached)	
Certificate of Incorporation, Memorandum & Article of Association and certificate of incorporation of company etc. as applicable	
Name of Authorized contact Person	
Contact details of Authorized Person	
Telephone no.	
E-mail ID:	
Photo ID Card No.	
Self-attested copy of PAN Card of the firm/ your	
Self-attested copy of documents in support of the minimum eligibility criteria stipulated in the bid document.	
Proof of payment of tender fee.	
Proof of payment of EMD.	

Particulars of bidder as prescribed	
Declaration as per specified format	
Letter of authorization issued by the competent person of the firm in favour of authorized signatory for signing the bid Documents.	
Self-attested copy of proof of GST registration number of the firm	
Self-attested copy (in PDF Format) of duly audited P&L Account and balance sheet of last 3 financial years	

**(FORMAT OF UNDERTAKING TO BE FURNISHED BY THE
TENDERER ON NON-JUDICIAL STAMP PAPER OF RS. 100/-)**

M/s._____ Hereinafter referred to as the Contractor having its registered office_____, is in the business of civil construction.

That the Contractor has requisite technical competence and experience to successfully execute above project.

That the party undertakes that it shall construct **onion storage sheds in the state(s) of _____** **for which tender has been submitted** in accordance with prescribed quality specifications and terms and conditions as laid down in the tender documents by the NHRDF. That the contractor shall be fully responsible for the quality of material and workmanship for work done for construction of onion storage sheds on behalf of NHRDF.

The contractor also undertakes to indemnify NHRDF for any costs, risks, responsibility and losses that may be incurred on account of any action or inaction on the part of the party.

Further the contractor also confirms that their firm/company has not been black-listed by any Govt./Public sector undertaking/organization/institute for committing any irregularities or involved in any fraudulent activity in connection with supply, installation and execution of any project.

Sign this _____ day of _____ in the year _____ through its _____ authorized signatory Shri _____ at _____.

Name/Signature/Seal of Authorized signatory

for and on behalf of

M/s _____

Witnesses:

1.

2.

\State & Locations of Proposed Site for Construction of Onion Storage Sheds

Name of State	No. of Storage proposed	Name of Districts
Punjab	5	Bhatinda, Barnala, Sangrur, Ludhiana & Moga
Uttar Pradesh	8	Deoria, Varanasi, Mau, Lucknow & Gorakhpur
Haryana	5	Charkhi Dadri, Bhiwani, Karnal, Kurukshetra & Kethal
Delhi NCR	3	Ujwa, Shikarpur, Dariyapur Kalan (Bawana)
Bihar	4	Patna, Nalanda, Samastipur, Champaran, Lakhisarai/Begusarai

Note:-

1. Exact site locations in each district will be informed in due course of time.
2. Nos. of proposed location may be increase/decrease and above destination will be changed.

Part – II

Financial BID

**Name of Work:- Construction of onion storage sheds in the states of Punjab (5 Nos.)
Uttar Pradesh (8 Nos.), Haryana (5 Nos.), Delhi NCR (3 Nos.), Bihar (4 Nos.) of 15, 20 & 25
MT capacity each under MIDH Project
(one unit of 15 MT capacity)**

Sr. No.	DSR- 2018/MR	Description	Qty.	Unit	Rate	Amount.
1	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil	12.00	Cum		
2	2.3.1	Banking excavated earth in layers not exceeding 20 cm in depth, breaking clods, watering, rolling each layer with ½ tonne roller, or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up, in embankments for roads, flood banks, marginal banks, and guide banks etc., lead upto 50 m and lift upto 1.5 m : All kinds of soil	12.00	Cum		
3	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	1.20	Cum		

4	6.2.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:	2.40	Cum		
5	4.1.4	CEMENT CONCRETE (CAST IN SITU) Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : Mix:1:2:4	0.24	Cum		
6	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	972.00	Kg		
7	10.16.1	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes	432.00	Kg		
8	12.50	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have	42.00	Sqm		

		protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required				
9	12.51	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : Ridges Plain (500-600mm)	13.68	meter		
10	MR	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work only at steel work.	1.00	Job		

11	MR	Providing & fixing bamboo hazing and flooring with 44mm to 50mm dai bamboo half cut in shape of bamboo dia with fixing wooden batton 40x40mm (Wood-Neem, Kicker, Cale, Jamun Etc.) Flooring with round shape with bamboo.	62.40	Sqm		
					Add Contingency 1%	
					Total	

(All rates should have including GST)

Cost of One Shed _____ X 25 Sheds = Rs. _____

(In words _____)

Note : Rates are inclusive of all material tools plant, labour and transportation charges & GST.

(Signature & seal of Contractor)

Part-II
FINANCIAL BID

**Name of Work:- Construction of onion storage sheds in the states of Punjab (5 Nos.)
Uttar Pradesh (8 Nos.), Haryana (5 Nos.), Delhi NCR (3 Nos.), Bihar (4 Nos.) of 15, 20 & 25
MT capacity each under MIDH Project
(one unit of 20 MT capacity)**

Sr. No.	DSR-2018/MR	Description	Qty.	Unit	Rate	Amount.
1	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil	16.00	Cum		
2	2.3.1	Banking excavated earth in layers not exceeding 20 cm in depth, breaking clods, watering, rolling each layer with ½ tonne roller, or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up, in embankments for roads, flood banks, marginal banks, and guide banks etc., lead upto 50 m and lift upto 1.5 m : All kinds of soil	16.00	Cum		
3	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	1.60	Cum		

4	6.2.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:	3.20	Cum		
5	4.1.4	CEMENT CONCRETE (CAST IN SITU) Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : Mix:1:2:4	0.32	Cum		
6	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	1296.00	Kg		
7	10.16.1	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes	576.00	Kg		
8	12.50	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester	56.00	Sqm		

		top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineerin-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required				
9	12.51	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : Ridges Plain (500-600mm)	18.24	meter		
10	MR	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work only at steel work.	1.00	Job		

11	MR	Providing & fixing bamboo hazing and flooring with 44mm to 50mm dai bamboo half cut in shape of bamboo dia with fixing wooden batton 40x40mm (Wood-Neem, Kicker, Cale, Jamun Etc.) Flooring with round shape with bamboo.	83.20	Sqm		
					Add Contingency 1%	
					Total	

(All rates should have including GST)

Cost of One Shed _____ X 25 Sheds = Rs. _____

(In words _____)

Note : Rates are inclusive of all material tools plant, labour and transportation charges & GST.

(Signature & seal of Contractor)

Part-II
FINANCIAL BID

**Name of Work:- Construction of onion storage sheds in the states of Punjab (5 Nos.)
Uttar Pradesh (8 Nos.), Haryana (5 Nos.), Delhi NCR (3 Nos.), Bihar (4 Nos.) of 15, 20 & 25
MT capacity each under MIDH Project
(one unit of 25 MT capacity)**

Sr. No.	DSR-2018/MR	Description	Qty.	Unit	Rate	Amount.
1	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil	20.00	Cum		
2	2.3.1	Banking excavated earth in layers not exceeding 20 cm in depth, breaking clods, watering, rolling each layer with ½ tonne roller, or wooden or steel rammers, and rolling every 3rd and top-most layer with power roller of minimum 8 tonnes and dressing up, in embankments for roads, flood banks, marginal banks, and guide banks etc., lead upto 50 m and lift upto 1.5 m : All kinds of soil	20.00	Cum		
3	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	2.00	Cum		
4	6.2.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:	4.00	Cum		
5	4.1.4	CEMENT CONCRETE (CAST IN SITU) Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : Mix:1:2:4	0.40	Cum		
6	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	1620.00	Kg		
7	10.16.1	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes	720.00	Kg		

8	12.50	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 meter or as desired by Engineering-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required	70.00	Sqm		
9	12.51	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete : Ridges Plain (500-600mm)	22.80	meter		
10	MR	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work only at steel work.	1.00	Job		
11	MR	Providing & fixing bamboo hazing and flooring with 44mm to 50mm dia bamboo half cut in shape of bamboo dia with fixing wooden batton 40x40mm (Wood-Neem, Kicker, Cale, Jamun Etc.) Flooring with round shape with bamboo.	104.00	Sqm		
					Add Contingency 1%	
					Total	

(All rates should have including GST)

Cost of One Shed _____ X 25 Sheds = Rs. _____

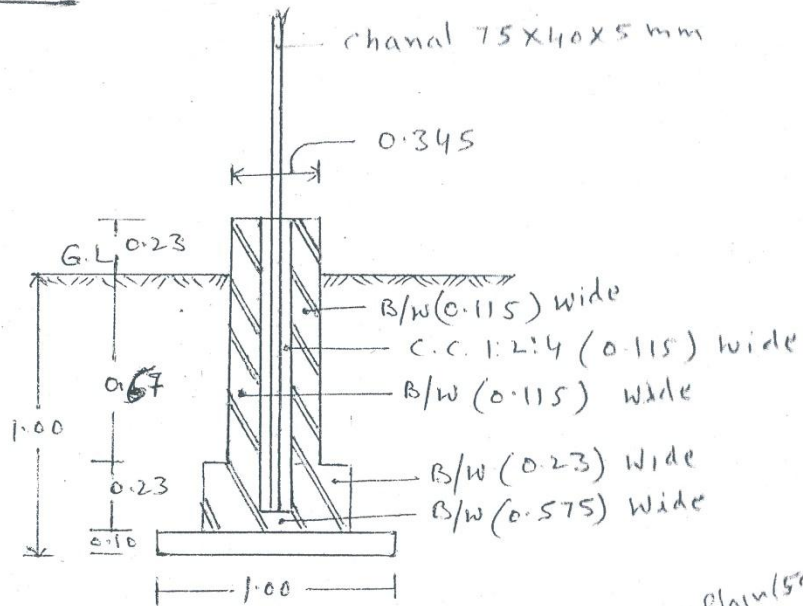
(In words _____)

Note : Rates are inclusive of all material tools plant, labour and transportation charges & GST.

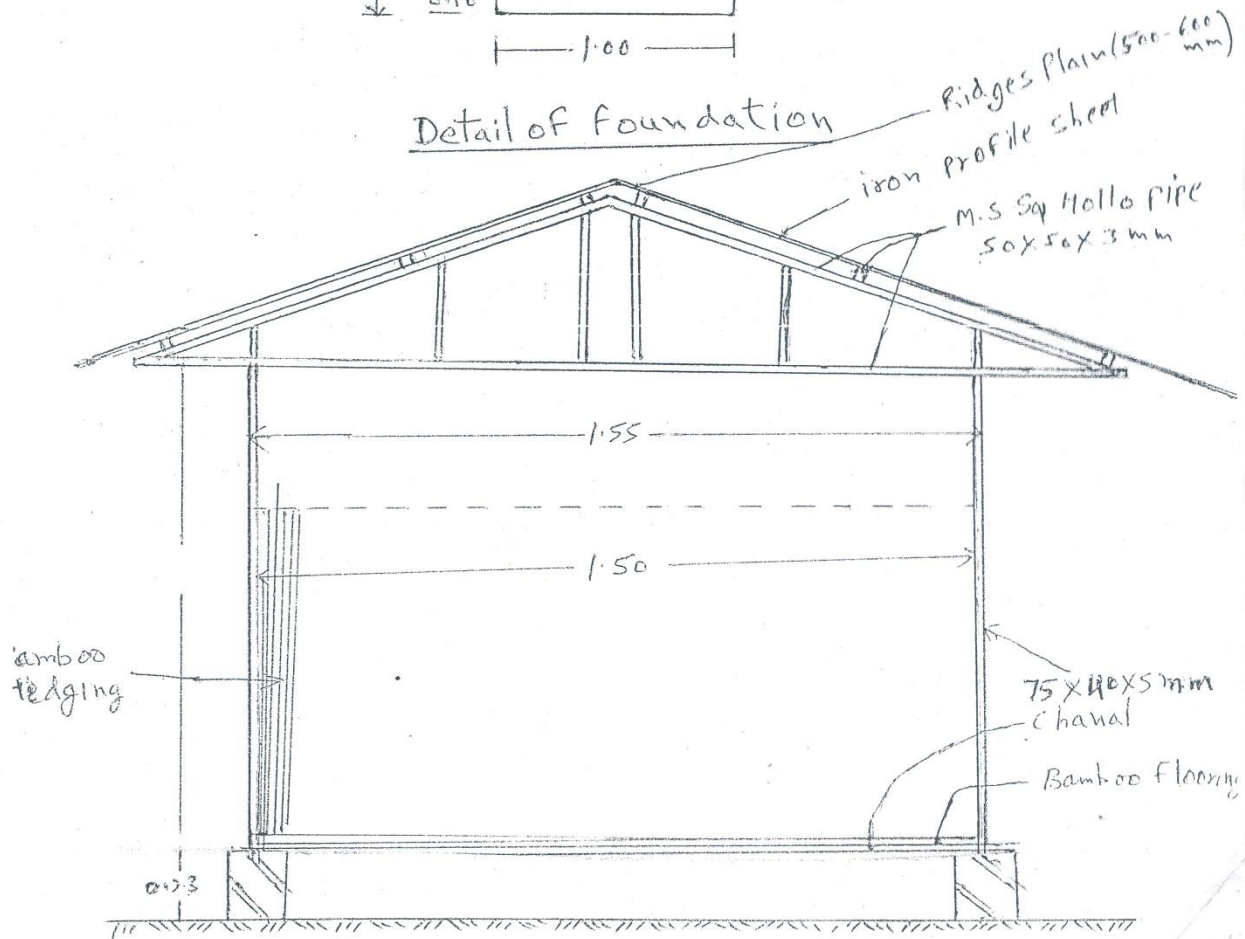
(Signature & seal of Contractor)

Side Elevation/Section for Onion Shed 15 MT Capacity

For 15 M.Ton



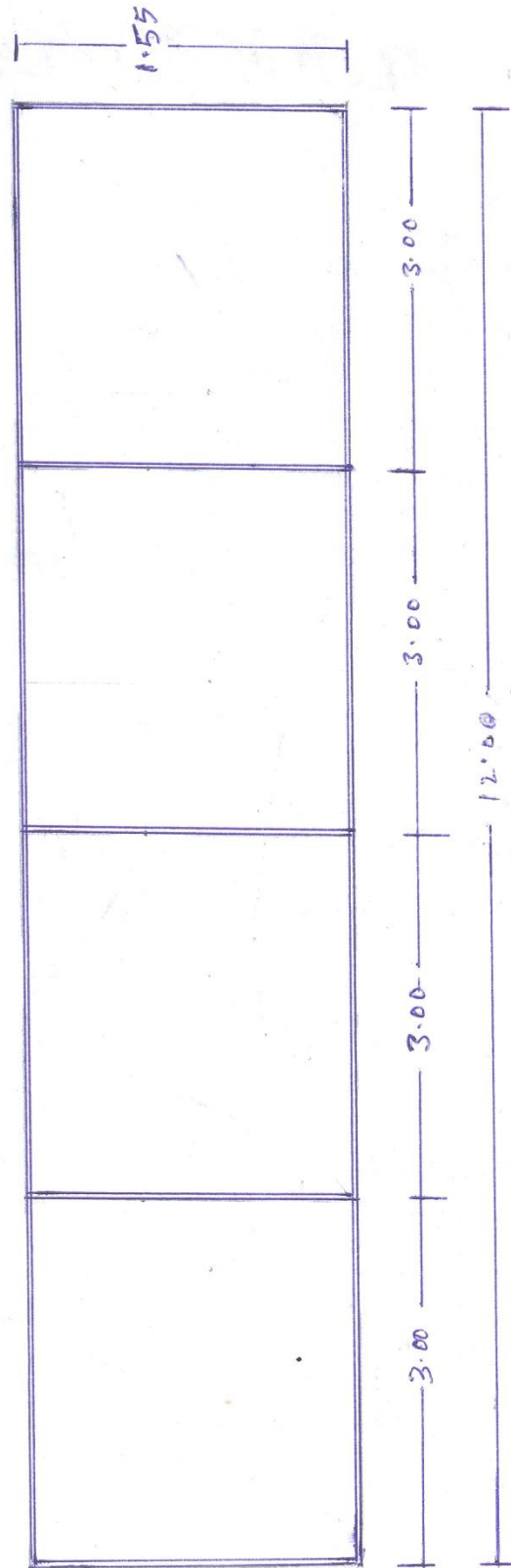
Detail of foundation



Short side Elevation

Plan of Onion Shed 15 MT Capacity

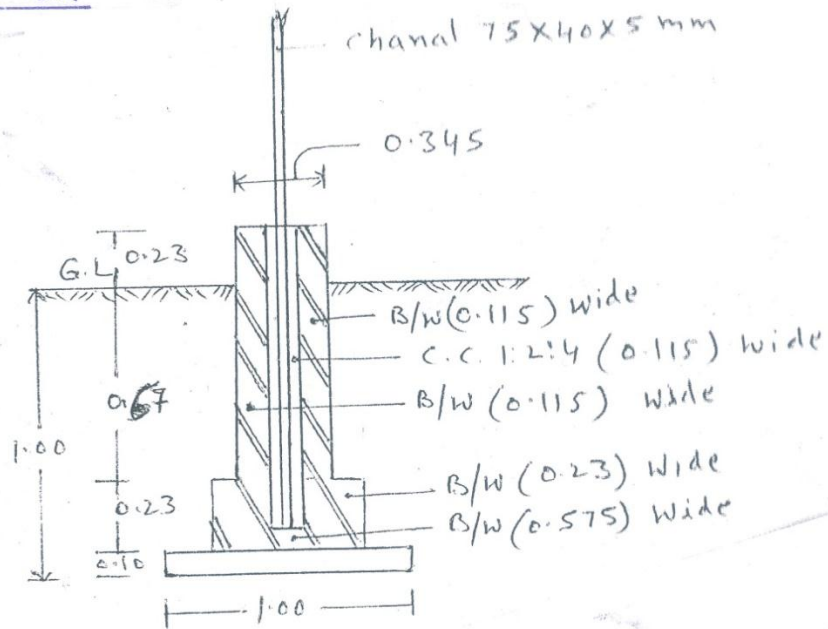
For 15 Ton Capacity



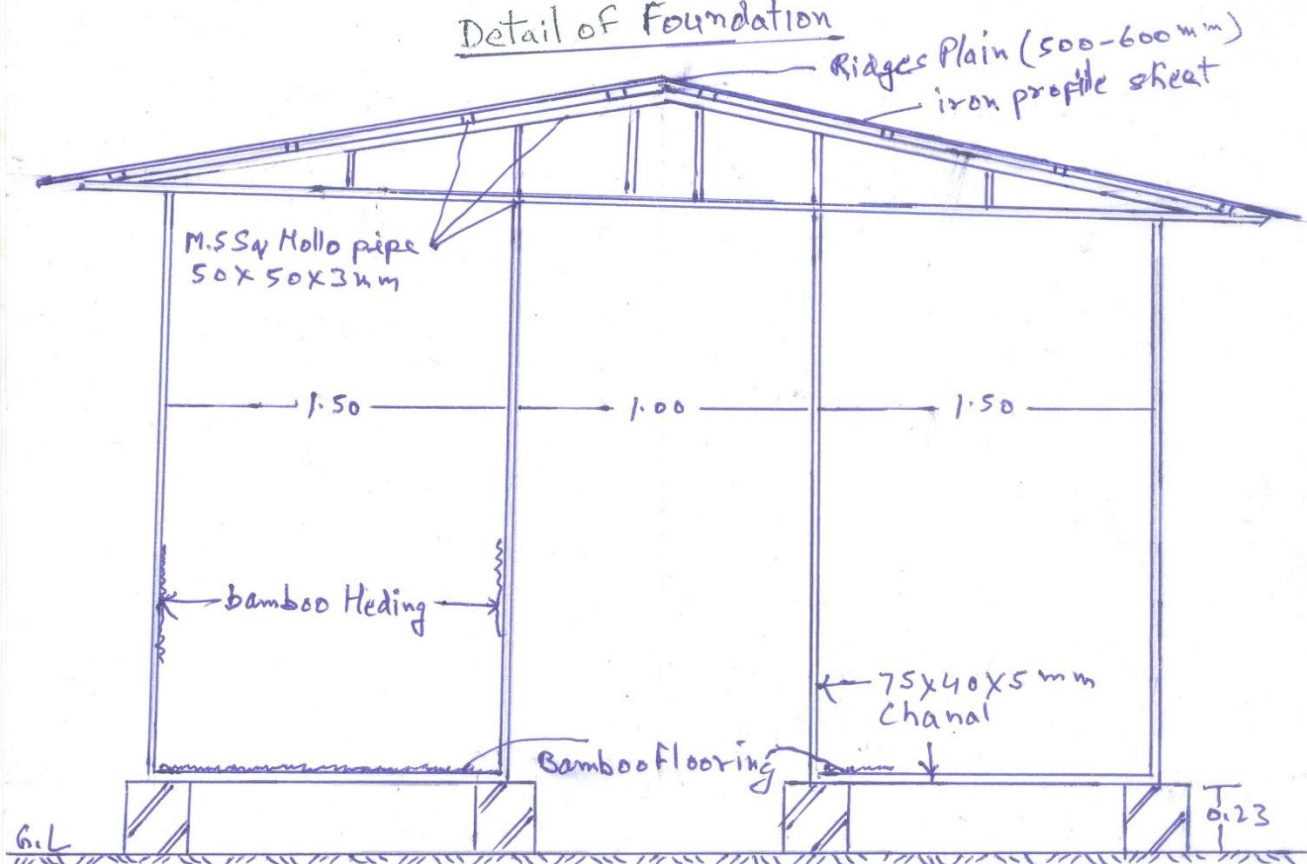
$$\begin{aligned} 12.00 \times 1.50 \times 1.40 &= 25.20 \text{ cu m} \\ 25.20 \times 35.2875 &= 889.245 \text{ kg} \\ 889.245 \times 17 \text{ kg} &= 15117 \text{ kg} \\ 15117 \div 1000 \text{ kg} &= 15.117 \text{ MTon} \\ &\text{Say } 15.00 \text{ Ton} \end{aligned}$$

Side Elevation/Section for Onion Shed 20 & 25 MT Capacity

For 20 & 25 M. Ton



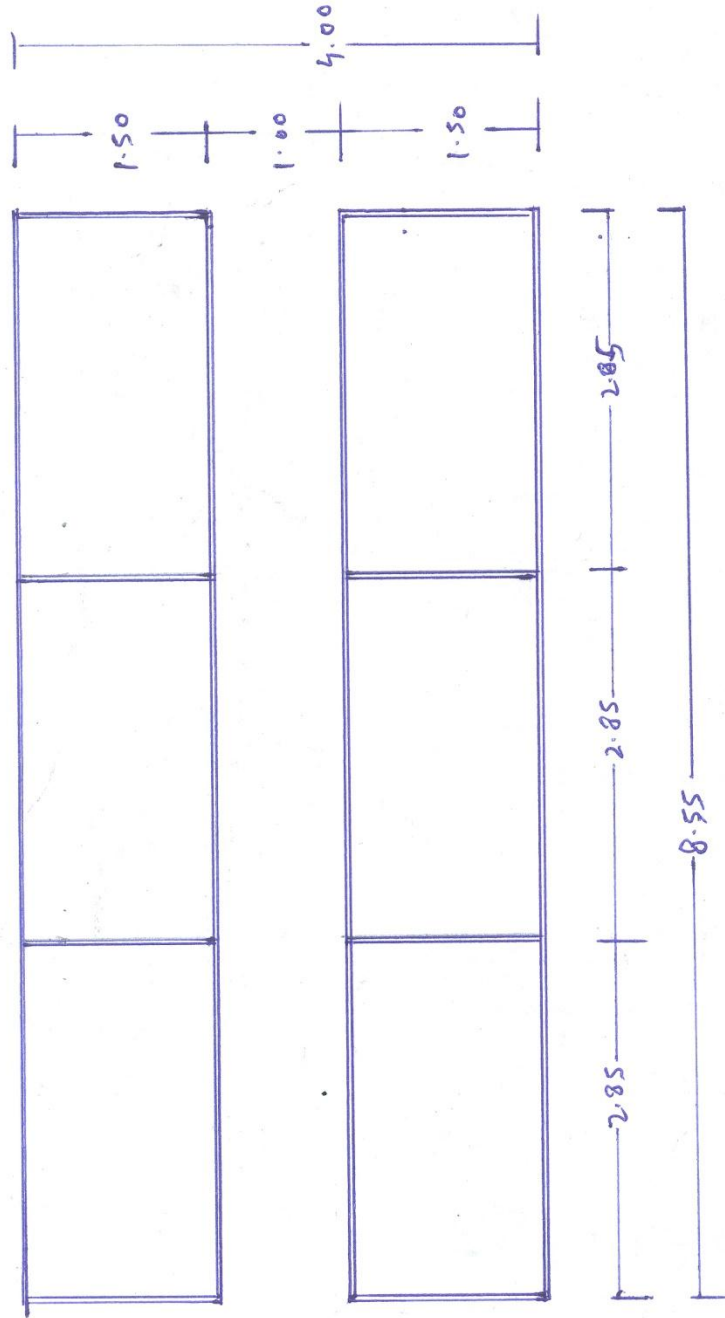
Detail of Foundation



Short side Elevation

Plan of Onion Shed 20 MT Capacity

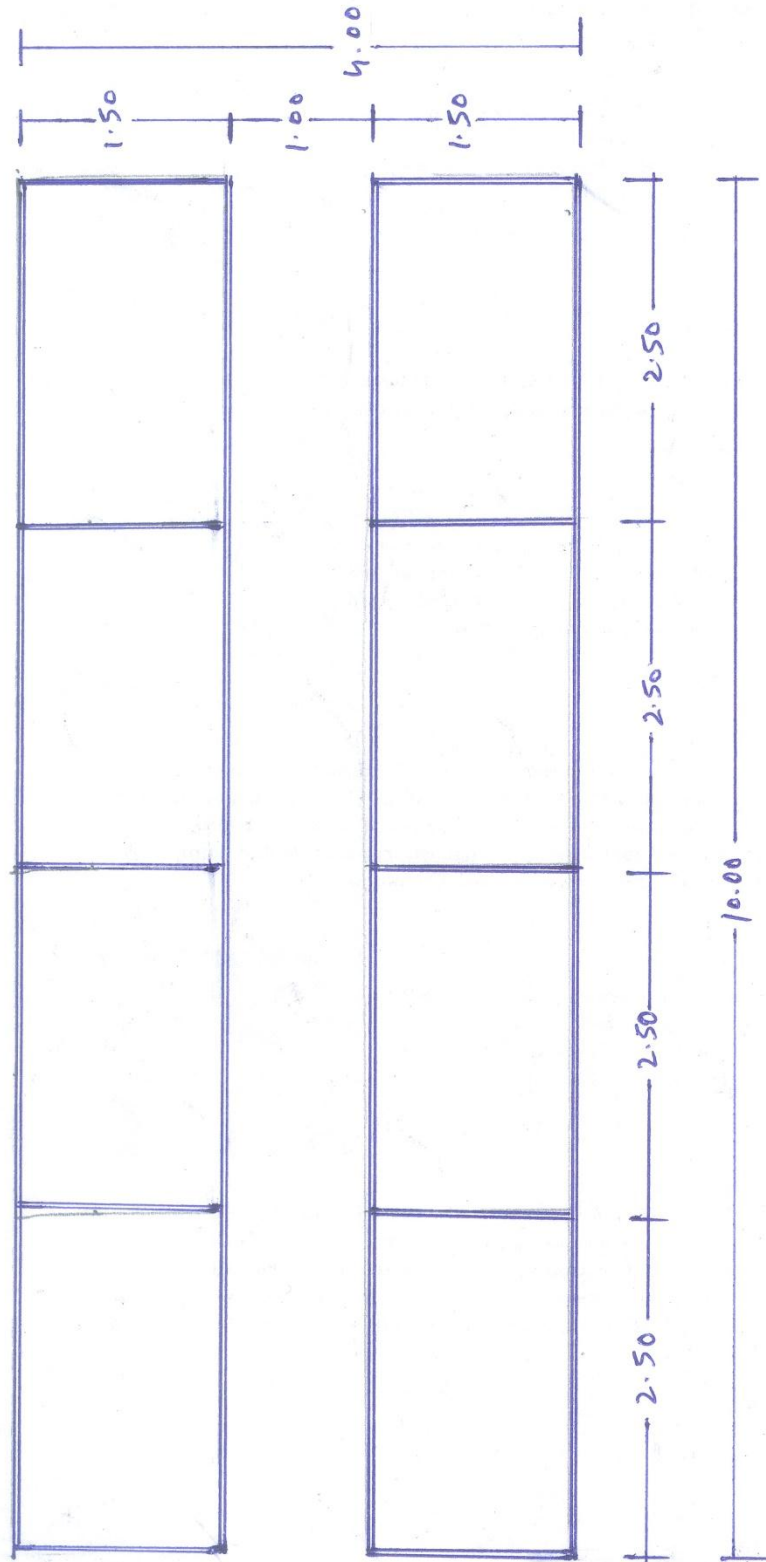
for 20 Ton Capacity



$$\begin{aligned}
 2 \times 8.55 \times 1.50 \times 1.35 &= 34.6275 \text{ cu m} \\
 34.6275 \times 35 \times 2875 &= 1221.92 \text{ cu ft} \\
 1221.92 \times 17 \text{ kg} &= 20772.64 \text{ kg} \\
 20772.64 \div 1000 &= 20.77 \text{ Ton} \\
 \text{Say } 20 \text{ Ton}
 \end{aligned}$$

Plan of Onion Shed 25 MT Capacity

for 25 Ton capacity



$$\begin{aligned}
 2 \times 10.00 \times 1.50 \times 1.40 &= 42 \text{ Cum} \\
 42 \times 35.2875 &= 1482.075 \text{ Cufit} \\
 1482.075 \times 17 \text{ Kg} &= 25195.275 \text{ Kg} \\
 25195.275 \div 1000 &= 25.19 \text{ Ton} \\
 \text{Say } 25 \text{ Ton}
 \end{aligned}$$

DECLARATION BY THE CONTRACTOR

I/WE HEREBY UNDERTAKE TO DECLARE THAT I/WE HAVE INSPECTED THE PROPOSED SITES OF CONSTRUCTION IN THE STATE(S) OF _____) AND CAREFULLY STUDIED THE TERMS & CONDITIONS MENTIONED IN THE TENDER DOCUMENT. WE HEREBY CONFIRM/AGREE THAT I/WE SHALL STRICTLY EXECUTE THE PROPOSED PROJECT IN ACCORDANCE WITH THE QUALITY SPECIFICATIONS PRESCRIBED IN THE TENDER DOCUMENT.

(Signature & seal of Contractor)