

Construction of 600 MT Capacity Seed Warehouse

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|-----------|---|
| 1. | Technical Bid/ Tender Fees/Prequalification(Envelope-I) |
| | A) Tender Notice |
| | B) Tender Document with Terms & Conditions |
| | C) Items Technical specifications with drawings |
| 2. | Financial Bid (Envelope-II) |
| | A) B.O.Q.(Total bill of Quantity) |



Agricultural Development Trust's
KrishiVigyan Kendra, Baramati

At/Po- Malegaon Khurd, Tal-Baramati,
Dist-Pune 413115 Maharashtra State,

Phone : (02112) 255227, 255207 Fax-255227

Website: <http://www.kvkbaramati.com> E-mail: kvkbmt@yahoo.com



Construction of 600MT Capacity Seed Warehouse

(Construction of Buildings)

Tender no: ADT's/KVK/2713/2022

NOTICE INVITING TENDER



Address: Chairman

Krishi Vigyan Kendra, Baramati &
Agricultural Development Trust
A/p- Malegaon Khurd, Tal - Baramati,
Dist- Pune – 413115, Maharashtra, India



Agricultural Development Trust's
KrishiVigyan Kendra, Baramati

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Tender no: ADT's/KVK/2713/2022

NOTICE INVITING TENDER

Tenders are invited by the Chairman, Krishi Vigyan Kendra and ADT, Baramati Dist-Pune (M.S.) from reputed firms/companies for construction of building i.e. civil work for establishment of Construction of 600 MT Capacity Seed Warehouse at Krishi Vigyan Kendra, Baramati, Agricultural Development Trust. A/p- Malegaon Khurd, Tal - Baramati, Dist- Pune – 413115 (M.S.) India

The Construction of 600 MT Capacity Warehouse and Innovative Chain Management Project. Unit will be useful as **Model** Demonstration and as "showcase" going hand in hand with education and training of entrepreneurs, staff and growers.

Tenders should be submitted in two bid system and shall be accompanied by a bid **security worth 1%** of the project cost either as demand draft or as bank guarantee. Cost of tender form is Rs.5000/- (Non refundable). Last date for submission of the tenders is **14.03.2022 at 16.00hrs IST**. The technical bids shall be opened on **16.03.2022 at 11.00hrs IST** in the presence of desirous tenderer(s). Technical and Financial bid should be submitted strictly as per instructions to tenderers. The financial bid of the technically qualified tenderers will be opened in a later date which will be intimated to the qualified tenderers. The sealed bid should be submitted by post or by hand and details can be downloaded from website <http://www.kvkbaramati.com>. by the due date and time, as specified in the 'Critical Dates' view of the 'Work Item details' of the tender. The Date & Time as appearing on the website <http://www.kvkbaramati.com> shall only be considered for the critical date and time of tenders.

Chairman,

Krishi Vigyan Kendra and ADT,
Baramati Dist-Pune (M.S.)



Agricultural Development Trust's
KrishiVigyan Kendra, Baramati

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Tender no: ADT's/KVK/2713/2022

Tender Notice

Tender document for construction of buildings of Construction of 600MT Capacity Seed Warehouse at Krishi Vigyan Kendra, Baramati and Agricultural Development Trust, A/p-Malegaon Khurd, Baramati, Pune 413115, Maharashtra, India.

| | | |
|---|--------------------------------------|--|
| 1 | Publishing Date | 9th March 2022 |
| 2 | Document Download Start Date | 10 th March 2022 |
| 3 | Bid Submission Start Date | 11 th March 2022 10.00 hrs |
| 4 | Bid Submission End Date | 14 th March 2022 up to 16.00 hrs |
| 5 | Date and Time for opening of Tender. | 16 th March 2022 at 11.00 hrs |
| 6 | Place of Tender opening | In the Office of: Chairman Krishi Vigyan Kendra, Baramati & Agricultural Development Trust A/p- Malegaon Khurd, Tal - Baramati, Dist- Pune – 413115, Maharashtra, India |



Agricultural Development Trust's
Krishi Vigyan Kendra, Baramati

A/p - Malegaon Khurd, Tal-Baramati,
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E-mail: kvkbmt@yahoo.com



Construction of 600MT Capacity Seed Warehouse
(Construction of Building)

Tender no: ADT's/KVK/2713/2022

Tender Documents with Terms & Condition



Address: Chairman
Krishi Vigyan Kendra, Baramati &
Agricultural Development Trust
A/p- Malegaon Khurd, Tal - Baramati,
Dist- Pune – 413115, Maharashtra, India

Instruction to tenderers (based on Indian law and rules)

1.1. General instructions

- 1.1.1. The tenderers are advised in their own interest, to carefully read the instructions and understand their purport and unless the tender specifically states to the contrary in respect of any particular clause, it shall be presumed that all tender conditions have been accepted as laid down in this document.
- 1.1.2. Erasure or alteration in the bid conditions should be avoided. Modification, erasure, or alteration, if any, should bear the signatures of the person signing the bid.
- 1.1.3. In case the specifications of any offered items / machineries/ software/ any other related items deviates from the specifications laid down in the tender form, the tenderers should describe as to in what respect and to what extent the equipment offered by them deviates from the specifications, even though the deviations may be minor. It should be explained how these would be useful for our purpose.
- 1.1.4. The tenderers should enclose with their offers descriptive catalogues, leaflets and engineering drawings supplementing the description and point out any special features/advantages of their equipment quoted and users list of the equipments/machineries supplied by them. All the literature, leaflets, engineering drawings etc. should be in English or accompanied by English translation in case the language is other than English. This should be adhered to strictly to enable objective evaluation of offers.
- 1.1.5. The tenderer must have established or constructed these type of buildings.
- 1.1.6. The tenderer shall deposit a bid security worth 1% of the project cost either as demand draft in favour of Project In charge , ADT, KVK, Baramati or as bank guarantee. The copy of the bank guarantee should be attached with the technical bid and should be submitted to Chairman, Krishi Vigyan Kendra and ADT, Baramati, A/p- Malegaon Khurd, Tal - Baramati, Dist- Pune – 413115 (M.S.) India at the time of submitting the tender.
- 1.1.7. The validity of the bank guarantees should not be less than 180 days for bid security.
- 1.1.8. The bid shall be rejected if not accompanied by bid security.
- 1.1.9. Tenderers shall deposit a tender fee worth Rs. 5000/- in the form of demand draft in favour of Project In charge, ADT, KVK, Baramati.
- 1.1.10. All the documents and communications in connection with the bidding shall be made in English
- 1.1.11. This tender is not transferable
- 1.1.12. Apart from the construction of the building tenderer should provide all required support during defects liability period of 12 months from the date of completion of the work.

1.2. Site visit and verification of information

The tenderers are encouraged to submit their respective bids after visiting the projects sites and asserting themselves the site condition, traffic, location surroundings, climate, availability of power and water, and other utilities for the construction, storages etc.,

1.3. Cost of bidding

The tenderer shall be responsible for all the costs associated with the preparation of their bids and their participation in the bidding process.

1.4. Quotation of Prices

Tenderer shall give a final and net price free from all escalations. Request for change in price will under no circumstances be considered after opening of the tender.

1.5. All direct and indirect taxes arising in connection with the execution of work shall exclusively be borne by the successful tenderer and the price quoted will be deemed to be inclusive of all such taxes.

1.6. Qualifying Criteria for acceptance of bid

1.6.1. The company should have a turnover of minimum Rs 2.5 crores /year in the preceding 3 years.

1.6.2. Two years of experience in the Construction of similar projects.

1.6.3. Preference will be given to contractors with ISO/ISI certification for construction of building.

1.6.4. Company should have or establish its office/service center in Baramati, dist Pune Maharashtra, India for a period of one year.

1.6.5. The company, or leading company in case a consortium of companies, is responsible for the coordination of all deliveries and construction of Center of Excellence for vegetables.

1.7. Transfer and subletting

The tenderer shall not sublet, transfer, assign or otherwise part with the contract to any person, contractor or Company directly or indirectly, in full or any part thereof without the previous written permission of the ADT's, Krishi Vigyan Kendra, Baramati Dist-Pune (M.S.).

1.8. Appointing a committee for evaluation, monitoring and certification of the construction work:

Chairman, Krishi Vigyan Kendra and ADT, Baramati Dist-Pune (M.S.) will appoint a committee for the evaluation, monitoring and certification of the construction done by the selected contractor. The details will be given to the selected contractor in due course.

1.9. Submission of tender

Tendering will be done in two bid system. The tenderers should follow the procedures and formalities while submitting the tender.

1.10. Bid due date

1.10.1 The bids should be submitted on or **before 14.03.2022 at 16.00hrs IST** on the bid due date. Chairman, Krishi Vigyan Kendra and ADT, Baramati may, in its sole discretion, extend the bid due date by issuing a corrigendum uniformly for all tenderers.

1.11. Contents of the bid

1.11.1. Copy of Bank guarantee in the prescribed format/ DD in favour of Project In charge, ADT, KVK, Baramati, Dist-Pune.

1.11.2. Signed copy (all pages) of notice inviting tender, Tender document and technical and financial bids in **two separate covers** with all attachments

1.11.3. The opening of the bids and acceptance thereof shall be subsequently in accordance with the conditions of the tender

1.12. Bid security

1.12.1. The tenderer shall furnish as part of its bid as bid security as referred in the clause no. 1.1.6 and 1.1.7 and herein above in the form of bank guarantee issued by a Nationalized bank (Bank in India having a net worth at least Rs.1000 crores) in favour of Project In charge, ADT, KVK, Baramati, Dist-Pune (M.S.) in the format in the appendix and having a validity period of not less than 180 days from the bid due date as may be extended by the tenderer from time to time.

1.12.2. Bid security can also be in the form of demand draft issued by a Nationalized bank in India drawn in favour of Project In charge, ADT, KVK, Baramati, payable at Baramati Dist :Pune. Chairman, Krishi Vigyan Kendra and ADT, Baramati, Dist-Pune (M.S.) will not pay any interest to the bid security deposit.

1.12.3. Any bid not accompanied by the bid security shall be rejected by Chairman, Krishi Vigyan Kendra and ADT, Baramati, Dist-Pune (M.S.) as non responsive.

1.12.4. The bid security of the unsuccessful tenderers will be returned by Chairman, Krishi Vigyan Kendra and ADT, Baramati, Dist-Pune (M.S.) without interest as promptly as possible on acceptance of the bid of the selected tenderer or in the event of the bidding process being cancelled.

1.12.5. The bid security of the selected tenderer will be returned without interest only after the commissioning of the work. If the bid security is in the form of bank guarantee the **validity should be extended accordingly.**

1.12.6. Copy of the Bid security should be enclosed along with technical bid only.

1.12.7 The Tender documents viz. **Technical and Financial bid** should be posted to Chairman, Construction of 600MT Capacity Seed Warehouse, Krishi Vigyan Kendra, Baramati and Agricultural Development Trust A/p- Malegaon Khurd, Tal-Baramati, Dist-Pune 413115 Maharashtra, India. Phone : (02112) 255227, 255207.

1.13. Opening and evaluation of the bids:

1.13.1. Chairman, Krishi Vigyan Kendra and ADT, Baramati, Dist-Pune (M.S.) shall open the bids on **16.03.2022 at 11.00hrs IST**, the bid due date in case the date of opening of the tender happens to be a holiday, it will be opened on the next working day at the same time and place.

1.13.2. The tenderers or their authorized Representatives may attend at the time of opening of the tender, if they so desire.

1.13.3. **‘Technical Bids’** shall be opened first.

1.13.4. The **‘Financial Bid’** of technically qualified bidders shall be opened subsequently.

The date of opening of the Financial Bid will be intimated to the successful bidder later.

1.13.5. The amount and validity of the bid security will be announced. There after the tenderers name, the bid price and such other details as the Chairman, Krishi Vigyan Kendra and ADT, Baramati, Dist-Pune (M.S.) may consider appropriate shall be announced at the time of opening.

1.13.6. Chairman, Krishi Vigyan Kendra and ADT, Baramati, Dist-Pune (M.S.) shall prepare minutes of the bid opening.

1.14. Selection of the tenderer

1.14.1. Chairman, Krishi Vigyan Kendra and ADT, Baramati, Dist-Pune (M.S.) will not be bound to accept the lowest tender.

1.14.2. After selection a letter of acceptance (LOA) shall be issued in duplicate by Chairman, Krishi Vigyan Kendra and ADT, Baramati, Dist-Pune (M.S.) to the selected tenderer and the selected tenderer shall within 15 days of receipt of LOA sign and return the duplicate copy of the LOA.

1.15. Right to accept and to reject any or all Bids

1.15.1. Notwithstanding anything contained in the tender Chairman, Krishi Vigyan Kendra and ADT, Baramati, Dist-Pune (M.S.) reserves all the right to accept or reject any Bid and to annul the bidding process and reject all bids at any time without any liability or any obligation for such acceptance, rejection or annulment and without assigning any reason therefore,

1.15.2. Chairman, Krishi Vigyan Kendra and ADT, Baramati, Dist-Pune (M.S.) reserve the right to reject any bid and appropriate the bid security at any time if a material misrepresentation is made or uncovered.

1.16. Agreement:

The successful tenderer shall, within 10 days of signing the LOA, be bound to execute a formal agreement as per the format given in the tender document. The terms & conditions contained in tender document will be construed to be part of the agreement. Any variation in the terms & conditions as suggested by the tenderer and accepted by the Chairman, Krishi Vigyan Kendra and ADT, Baramati, Dist-Pune (M.S.) will be specifically mentioned in the agreement. The cost of stamping for agreement should not be less than Rs.100/- which shall be borne by the successful tenderer.

1.17. Bank Guarantee

The successful tenderer shall furnish bank guarantee for **10% of the agreed contract value** towards execution of the contract at the time of signing aforesaid agreement. This guarantee will have a validity period of 300 days.

1.18. Warranty

The successful tenderer shall warrant that goods to be installed under this contract shall be free from all defects and faults in material, workmanship and manufacture and shall be of the highest grade and consistent with the established and generally accepted standards for materials and in full conformity with the contract specifications and drawings or samples, if any, and shall operate properly and satisfactorily for a period of one year from the date of completion of work. The successful tenderer shall, replace or repair the goods or such portion in case of defects or poor workmanship or any malfunction of the unit or any portion thereof.

1.19. Execution of work

1.19.1. The Contractor shall at his expense obtain all necessary permits and licenses required for execution of the work.

1.19.2. The Contractor shall arrange and pay for all personnel, materials, transportation and all other facilities required for the satisfactory execution and completion of the work while **water and electricity will be provided by Chairman, Krishi Vigyan Kendra and ADT, Baramati as per bills** on payment basis. The price quoted will be deemed to be inclusive of all such expenses.

1.19.3. The Contractor shall indemnify the Chairman, Krishi Vigyan Kendra and ADT, Baramati, Dist-Pune (M.S.) against all claims, proceedings, damages, costs, charges and expenses arising in connection with damage to property of any person or injury to person or loss of life occurring in the course of execution of the work. Contractor should submit all **Car (risk) policy** before starting the work on site.

1.19.4. All bidders shall enclose a certificate stating that they have no dues with regard to the EPF, ESI or any other statutory payment with regards to their employees and should also furnish the details of last remittance of EPF and ESI of their employees.

1.20. Termination of contract

Chairman, Construction of 600MT Capacity Seed Warehouse, Krishi Vigyan Kendra and ADT, Baramati , Dist-Pune (M.S.) A/p- Malegaon Khurd, Tal-Baramati, Dist-Pune 413115 Maharashtra, India. Phone: (02112) 255227, 255207 will monitor the progress of work from time to time. It is the obligation of the contractor to complete the work as per the schedule as in 1.23 by observing the terms and conditions of the agreement. **If Chairman, Krishi Vigyan Kendra and ADT, Baramati notices that the work is not progressing as per the schedule and there are violations of the terms and conditions of the agreement he has every right to give stop memo and terminate the contract without prior notice.**

1.21. Terms of Payment

1.21.1. All invoices shall be prepared in quadruplicate in favour of Chairman, ADT's, Krishi Vigyan Kendra, Baramati, Dist-Pune (M.S.) and shall be signed by the supplier or his authorized agent.

1.22. Time limit for commissioning and payment terms shall be as follows.

| Stage | Days from the receipt of LOA | Conditions | Payment details |
|--------------|-----------------------------------|---|----------------------------------|
| One | Within 1 month | After signing the Agreement and submission of 10% of the contract value (Bank guarantee) | 10% of the agreed contract value |
| Two | 2 months to 4 months | 60% completion of work and certification by authorized Architect constituted by committee. | 50% of the agreed contract value |
| Three | 5 to 6 months | 100% completion of work and certification by authorized Architect constituted by committee. | 30% of the agreed contract value |
| Four | One year from completion of work. | One year after completion of work as in clause no1.1.12 | 10% of the agreed contract value |
| Total | | | 100% |

1.23. Time period for the completion of work

The work shall be executed in 6 months from the date of receipt of the LOA

1.24. Dispute

- 1.24.1. Final decision in all issues arising in connection with the tender process and execution of work shall be taken by the Chairman, Krishi Vigyan Kendra and ADT, Baramati, Dist-Pune (M.S.) and the said decision will be binding upon all.
- 1.24.2. **LD clause** – The successful bidders should complete the work as per the schedule above. Any delay will attract LD of 1 % per month of the contract value subject to maximum of 10% of the contract value.
- 1.24.3. All disputes relating to the tender process and execution of work shall exclusively be subject to jurisdiction of court in Baramati (Pune).

1.25. General terms and conditions of tendering

- 1.25.1. All communication regarding the tender including queries if any and submission of offers shall be done through Chairman, Krishi Vigyan Kendra and ADT, Baramati, Dist-Pune (M.S.) by taking information through the website <http://www.kvkbaramati.com>
- 1.25.2. Chairman, Krishi Vigyan Kendra and ADT, Baramati, Dist-Pune (M.S.) shall not be responsible for any delays, reasons whatsoever, in receiving as well as submitting offers, and shall not be responsible for any postal or other delays in submitting EMD/Tender cost wherever applicable.
- 1.25.3. Please note that the queries related to tender specifications, terms & conditions is uploaded on website which can be taken by downloading PDF files through website www.kvkbaramati.com.
- 1.25.4. Two cover system
Bidders are required to submit offer in Two covers, name “**Fee/Prequal/Technical/**” & “**Financial**”. Finance cover in the schedule of work (BOQ) only. Please do not quote /mention rates anywhere else in the tender other than BOQ.
- 1.25.5. Bidders shall remit the tender fees along with the submission document in the form of DD in favour of Project In charge, ADT,KVK , Baramati,
- 1.25.6. The Earnest Money Deposit of the unsuccessful tenderer shall be refunded immediately after the acceptance of Work Order by the successful bidders.



Agricultural Development Trust's
Krishi Vigyan Kendra, Baramati

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TENDER FORM

To,
Chairman
Krishi Vigyan Kendra, Baramati and
Agricultural Development Trust
A/p- Malegaon Khurd, Tal - Baramati,
Dist- Pune – 413115 Maharashtra.

Sub: **Tender No. -----for construction of building for Construction of 600
MT capacity Seed Warehouse , Malegaon Khurd , Tal Baramati, Dist-Pune**

Sir,

- I. I/We _____ have read the tender conditions as issued by Chairman, Krishi Vigyan Kendra and ADT, Baramati, Dist-Pune -----, and hereby agree to abide by the said instructions, terms and conditions except to the extent specified by me/us in the attached sheet marked 'A'.
- II. **Security deposit details:** Bank Draft No. _____ dated _____ for Rs. _____ (Rupees _____) drawn in the favour of Project In charge, ADT, KVK, Baramati, payable at Baramati Dist :Pune. / bank guarantee details as per the format attached.
- III. Until a formal agreement is prepared and executed, acceptance on this tender shall constitute a binding contract between us subject to modifications as may be mutually agreed to between us and indicated in the letter of acceptance of my/our offer for this work.
- IV. This tender is being submitted by hand or by post and will be opened and decided at same place and it is agreed that Civil Courts at Baramati, Pune alone will have jurisdiction to deal with any legal proceeding that may arise in connection with this tender or subsequently.
- V. I/We have read and understand that my/our financial bid shall be opened only if bid found qualified based on technical bid.
- VI. I/We have read and understand the specification for the items and the terms and conditions contained in the tender document and agree to which by the same and against which the bids are submitted in the separate covers '**Technical & Financial Bid**' in the tender

Signed by State legal status whether prop./Partner/

Registered Contractor/Company etc.



Agricultural Development Trust's
Krishi Vigyan Kendra, Baramati

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FORM FOR TECHNICAL BID

To,

Chairman

Krishi Vigyan Kendra, Baramati and

Agricultural Development Trust,

A/p- Malegaon Khurd, Tal - Baramati,

Dist- Pune – 413115, Maharashtra, India

Sir,

1. Profile of our Company is as under:

- Constitution or legal status of Tenderer
- Place of registration: _____
- Principal place of business: _____
- Power of attorney of signatory of Bid

2. Work performed of a similar nature over the last Three years.

| Year | Name & Address of institution | Value (Rs.in lakhs) | Stipulated period of Completion | Actual date of Completion | Remarks explaining reasons for delay if any and work completed |
|------|-------------------------------|---------------------|---------------------------------|---------------------------|--|
| | | | | | |
| | | | | | |

- Attach self attested copies of work Orders.

3. Capabilities with respect to personnel, equipment and manufacturing facilities

3.1. Availability of infrastructure of the company.

| Name of the Building | Size (Sq.Mtr.) | Type of Structure |
|----------------------|----------------|-------------------|
| | | |
| | | |

3.2. Availability of Personnel (Technical staff and skilled workers of the company)

| Type of Employee | No. | Qualification | Experience |
|------------------|-----|---------------|------------|
| | | | |
| | | | |

3.3. Audited financial reports in English for the last three years, balance sheets, profit and loss statements, auditors' reports (in case of companies) etc. List them below and attach self attested copies.

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

3.5. Evidence for ISO/ISI certification

3.6. Name, address and telephone (Land line as well as Mobile No.) and fax numbers of the Tenderers' banker who may provide references if contacted by the Chairman, Krishi Vigyan Kendra and ADT, Baramati, Dist-Pune (M.S.).

3.7. In case the specifications of any offered items or any other related items deviates from the specifications, description as to in what respect and to what extent the equipment offered by them deviates from the specifications, even though the deviations may be minor may be attached. It should be explained how these would be useful for our purpose.

3.8. Certificate stating no dues with regard to the EPF, ESI or any other statutory payment with regards to their employees and also should furnish the details of last remittance of EPF and ESI of their employees

3.9. Details of office set up for after sales service

3.10. Details of Human resource to run the project in the following format

| Engineer/Technical Staff | Post | Qualification | Indian/ expatriate |
|-----------------------------|------|---------------|--------------------|
| | | | |
| | | | |
| | | | |
| | | | |

(Signed by Authorized Signatory)



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Krishi Vigyan Kendra, Baramati

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E-mail: kvkbmt@yahoo.com



Annexure 2

AGREEMENT FORM

AGREEMENT NO.....

This agreement is made on thisbetween Chairman, Krishi Vigyan Kendra and ADT, Baramati, Dist-Pune (M.S.) (hereinafter called the Chairman, KVK and ADT, Baramati which expression shall unless excluded by or repugnant to the context, be deemed to include its successors and assigns) of the first part and M/s..... (Hereinafter called the 'contractor' which expression shall include unless excluded by or repugnant to the context, be deemed to its successors and assigns) of the second part.

WHEREAS the Chairman, KVK and ADT, Baramati, Dist-Pune (M.S.)' with the intention of constructing building for Construction of 600MT Capacity Seed Warehouse had invited tenders for the execution of the said work.

AND WHEREAS the contractor had submitted their letter of agreement no..... dated.....

AND WHEREAS the Chairman, KVK and ADT, Dist-Pune (M.S.) had accepted the tender submitted by the Contractor and had on 2022 also issued Letter of Acceptance to the Contractor

IMP Note -:

Escalation - The rate quoted shall be firm throughout the tenure of the contracts (including extension of time, any granted) and will not be subject to any fluctuation due to increase in cost of materials, labour, taxes, octroi, or any other new taxes, levies etc.

Extra item - Rate analysis along with all raw material purchase bills should be submitted for approval



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E-mail: kvkbmt@yahoo.com



NOW IT IS HEREBY AGREED AS FOLLOWS:

1. The Contractor shall be paid an amount of Rs./- (Rupees only) by the Chairman, Krishi Vigyan Kendra and ADT, Baramati, Dist-Pune (M.S.) in accordance with the Schedule specified hereinafter.
2. The Contractor shall complete the work in 6 months from the date of receipt of LOA. The contractor should submit detail project schedule before starting the work.
3. Apart from the construction of building as per the specifications laid down the tenderer shall provide support and maintenance of the building and its components for one year from the date of completion of work.
5. Chairman, Krishi Vigyan Kendra and ADT, Baramati , Dist-Pune (M.S.) will monitor the progress of work from time to time. It is the obligation of the contractor to complete the work as per the schedule below by observing the terms and conditions of the agreement. If Chairman, Krishi Vigyan Kendra and ADT, Baramati, Dist-Pune (M.S.) notice that the work is not progressing as per the schedule and there are violations of the terms and conditions of the agreement, he has every right to give stop memo and terminate the contract without prior notice. This is not prejudice to his any right as per the agreement.

7. Time limit for commissioning and payment terms shall be as follows.

| Stage | Days from the receipt of LOA | Conditions | Payment details |
|-------|-----------------------------------|---|----------------------------------|
| One | Within 1 month | After signing the Agreement and submission of 10% of the contract value (Bank guarantee) | 10% of the agreed contract value |
| Two | 2 months to 4 months | 60% completion of work and certification by authorized Architect constituted by committee. | 50% of the agreed contract value |
| Three | 5 to 6 months | 100% completion of work and certification by authorized Architect constituted by committee. | 30% of the agreed contract value |
| Four | One year from completion of work. | One year after completion of work as in clause no1.1.12 | 10% of the agreed contract value |
| Total | | | 100% |

8. All direct and indirect taxes arising in connection with the execution of work shall be borne exclusively by the Contractor.

9. **LD clause** – The successful bidders should complete the work as per the schedule above. Any delay will attract LD of 1 % per month of the contract value subject to maximum of 10% of the contract value.

11. The conditions and specifications in the Invitation to Bid, the Financial Bid and the Technical Bid will form an integral part of this agreement and the parties will bound to abide by all the conditions and specifications contained therein.

12. This agreement is made in duplicate. The original printed on stamp paper No. will be retained by the Chairman, Krishi Vigyan Kendra and ADT, Baramati , Dist-Pune (M.S.) while the duplicate printed on stamp paper No..... will be retained by the Contractor.

IN WITNESS WHEREOF, both the parties have here to subscribe their signature on-----the date and year herein above written through authorized representatives.

For and on behalf of the contractor

For and on behalf of the Chairman, Krishi Vigyan Kendra and ADT, Baramati , Dist-Pune (M.S.)

Witness

1.

Witness

2.



Agricultural Development Trust's
Krishi Vigyan Kendra, Baramati

**A/p - Malegaon Khurd, Tal-Baramati,
Dist-Pune 413115, Maharashtra, India.**

Phone : (02112) 255227, 255207 Fax-255227

Website: <http://www.kvkbaramati.com>.

E-mail: kvkbmt@yahoo.com



Annexure - 3

Bank Guarantee for Bid Security

(Refer clauses in instruction for Tenderers 1.1.6 and 1.1.7)

B.G. No. Dtd. 1.

1. In consideration of Chairman, Krishi Vigyan Kendra and ADT, Baramati , Dist-Pune (M.S.) having its office at Baramati (hereinafter referred to as the "Chairman, KVK and ADT, Baramati, Dist-Pune (M.S.)", which expression shall unless it be repugnant to the subject or context thereof include its, successors and assigns) having agreed to receive the Bid of(and having its registered office at(hereafter referred to as the "Tenderer" which expression shall unless it be repugnant to the subject or context thereof include its/their executors, administrators, successors and assigns), for construction of building for Construction of 600MT Capacity Seed Warehouse (hereafter referred to as "the Project") and other related documents having our registered office at and one of its branches atdo hereby in terms of Clause 1.1.6 read with Clause 1.1.7 of the instruction to tenderers (including the tender Documents) by the said Tenderer undertake to pay forthwith to the Chairman, Krishi Vigyan Kendra and ADT, Baramati , Dist-Pune (M.S.) an amount of Rs. (Rupees.....only) as bid security (hereafter referred to as the" Bid Security") as our primary obligation without any demur, reservation, recourse, contest or protest and without reference to the Tenderer if the Tenderer shall fail to fulfill or comply with all of the terms and conditions contained in the said Bidding Documents.
2. Any such written demand made by the Chairman, Krishi Vigyan Kendra and ADT, Baramati , Dist-Pune (M.S.) stating the Tenderer is in default of the due and faithful fulfillment and compliance with the terms and conditions contained in the Bidding Documents shall be final, conclusive and binding on the Bank.
3. We the Bank, do hereby unconditionally undertake to pay the amount due and payable under this Guarantee without any demur, reservation, recourse, contest or protest and without any reference to the Tenderer or any other person and irrespective of whether the claim of the Chairman, Krishi Vigyan Kendra and ADT, Baramati , Dist-Pune (M.S.) is disputed by the Tenderer or not merely on the first demand from the tenderer to fulfill and comply with the terms and conditions contained in the Bidding Documents including failure of the said Tenderer to keep its Bid open during the bid validity period as set forth in the said

bidding Documents for any reason whatever. Any such demand made on the Bank shall be conclusive as regards amount due and payable by the bank under this Guarantee. However, our liability under this Guarantee shall be restricted to an amount not exceeding Rs. (Rupees only).

4. This Guarantee shall be irrevocable and remain in full force for a period of 180 (one hundred and eighty) days from the Bid Due Date inclusive of a claim period of 60 (sixty) days or such extended period as may be mutually agreed between the Chairman, Krishi Vigyan Kendra and ADT, Baramati , Dist-Pune (M.S.) and the Tenderer, and agreed to by the Bank, and shall continue to be enforceable till all amounts under this Guarantee have been paid.
5. We, the bank, further agree that the Chairman, Krishi Vigyan Kendra and ADT, Baramati , Dist-Pune (M.S.) shall be the sole judge to decide as to whether the Tenderer is in default of due and faithful fulfillment and compliance with the terms and conditions contained in the bidding documents including, inter alia, the failure of the Tenderer to keep its bid open during the Bid validity period set forth in the said Bidding Documents, and the decision of the Chairman, Krishi Vigyan Kendra and ADT, Baramati , Dist-Pune (M.S.) is final if that the Tenderer is in default and any dispute pending before any Court, Tribunal, Arbitrator or any other parties by the tenderer.
6. The Guarantee shall not be affected by any change in the constitution or winding up of the Tenderer or the Bank or any abstraction, merger or amalgamation of the Tenderer or the Bank with any other person.
7. In order to give full effect to this Guarantee, the Chairman, Krishi Vigyan Kendra and ADT, Baramati , Dist-Pune (M.S.) shall be entitled to treat the Bank as the principal debtor. Chairman, Krishi Vigyan Kendra and ADT, Baramati , Dist-Pune (M.S.) shall have the fullest liberty without affecting in any way the liability of the Bank under this Guarantee from time to time to vary any of the terms and conditions contained in the said Bidding Documents or to extend time for submission of the Bids or Bid validity period or the period for conveying acceptance of Letter of Award by the Tenderer or the period for fulfillment and compliance with an or any of the terms and conditions contained in the said Bidding Documents by the said Tenderer or to postpone for any time from time to time any of the powers exercisable by it against the said Tenderer and either to enforce or forebear from enforcing of the terms and conditions contained in the said Bidding Documents or the securities available to the Chairman, Krishi Vigyan Kendra and ADT, Baramati , Dist-Pune (M.S.) and the Bank shall not be released from its liability under these presents by any exercise by the Chairman, Krishi Vigyan Kendra and ADT, Baramati , Dist-Pune (M.S.) of the liberty with reference to the matters aforesaid or by reason of time being given to the said Tenderer or any other forbearance, act or omission on the part of the Chairman, Krishi Vigyan Kendra and ADT, Baramati , Dist-Pune (M.S.) or any indulgence by the Chairman, Krishi Vigyan Kendra and ADT, Baramati , Dist-Pune (M.S.) to the said Tenderer or by any change in the constitution of the Chairman, Krishi Vigyan Kendra and ADT, Baramati , Dist-Pune (M.S.) or its observation, merger or amalgamation with any other person or any other matter or

thing whatever which under the law relating to sureties would but for this provision have the effect or releasing the Bank from its such liability.

8. Any notice by way of request, demand or otherwise hereunder shall be sufficiently given or made if addressed to the Bank and sent by courier or by registered mail to the Bank at the address set forth herein.
9. We undertake to make the payment on receipt of your notice of claim on us addressed to (name of Bank along with branch address) and delivered at our above branch that shall be deemed to have been dully authorized to receive the said notice of claim.
10. It shall not be necessary for the Chairman, Krishi Vigyan Kendra and ADT, Baramati , Dist-Pune (M.S.) to proceed the said Tenderer before proceeding against the Bank and the guarantee herein contained shall be enforceable against the Bank, notwithstanding any other security which the Chairman, Krishi Vigyan Kendra and ADT, Baramati , Dist-Pune (M.S.) may have obtained from the said Tenderer or any other person and which, at the time when proceedings are taken against the Bank here under, be outstanding or unrealized.
11. We, the Bank, further undertake not to revoke this Guarantee during its currency except with the previous express consent of the Chairman, Krishi Vigyan Kendra and ADT, Baramati , Dist-Pune (M.S.) in writing.
12. The Bank declares that it has power to issue this guarantee and discharge the obligations contemplated herein, the undersigned is duly authorized and has full power to execute this guarantee for and on behalf of the Bank.
13. For the avoidance of doubt, the Bank's liability under this Guarantee shall be restricted to Rs.crore (Rupees crore) only. The Bank shall be liable to pay the said amount or any part thereof only if the Chairman, Krishi Vigyan Kendra and ADT, Baramati , Dist-Pune (M.S.) serves a written claim on the Bank in accordance with paragraph 9 hereof, on or before (..... (indicate date falling 300 days after the Bid Due Date)) and Delivered by Bank.

By the hand of Mr./ Ms, its and authorized official.

Signature of the Authorized Signatory)
(Official seal)



Agricultural Development Trust's
Krishi Vigyan Kendra, Baramati

**A/p - Malegaon Khurd, Tal-Baramati,
Dist-Pune 413115, Maharashtra, India.**

Phone : (02112) 255227, 255207 Fax-255227

Website: <http://www.kvkbaramati.com>.

E-mail: kvkbmt@yahoo.com

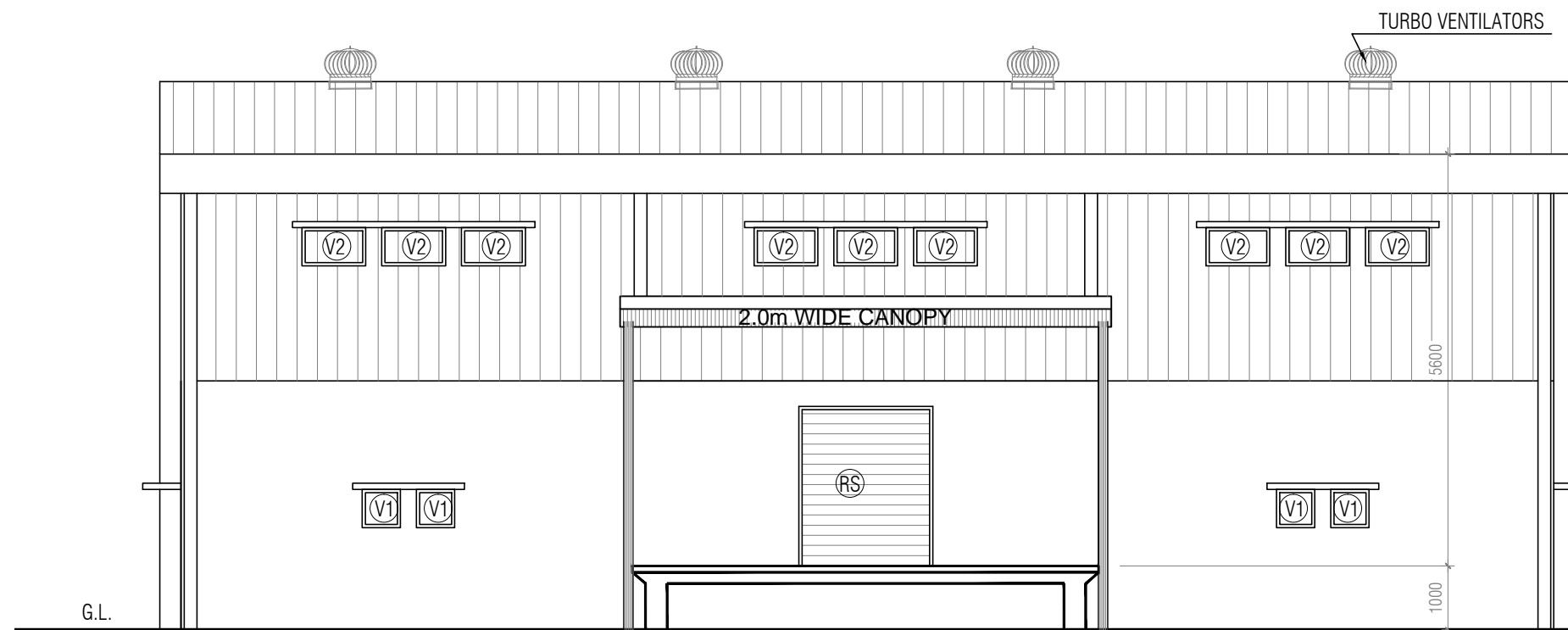


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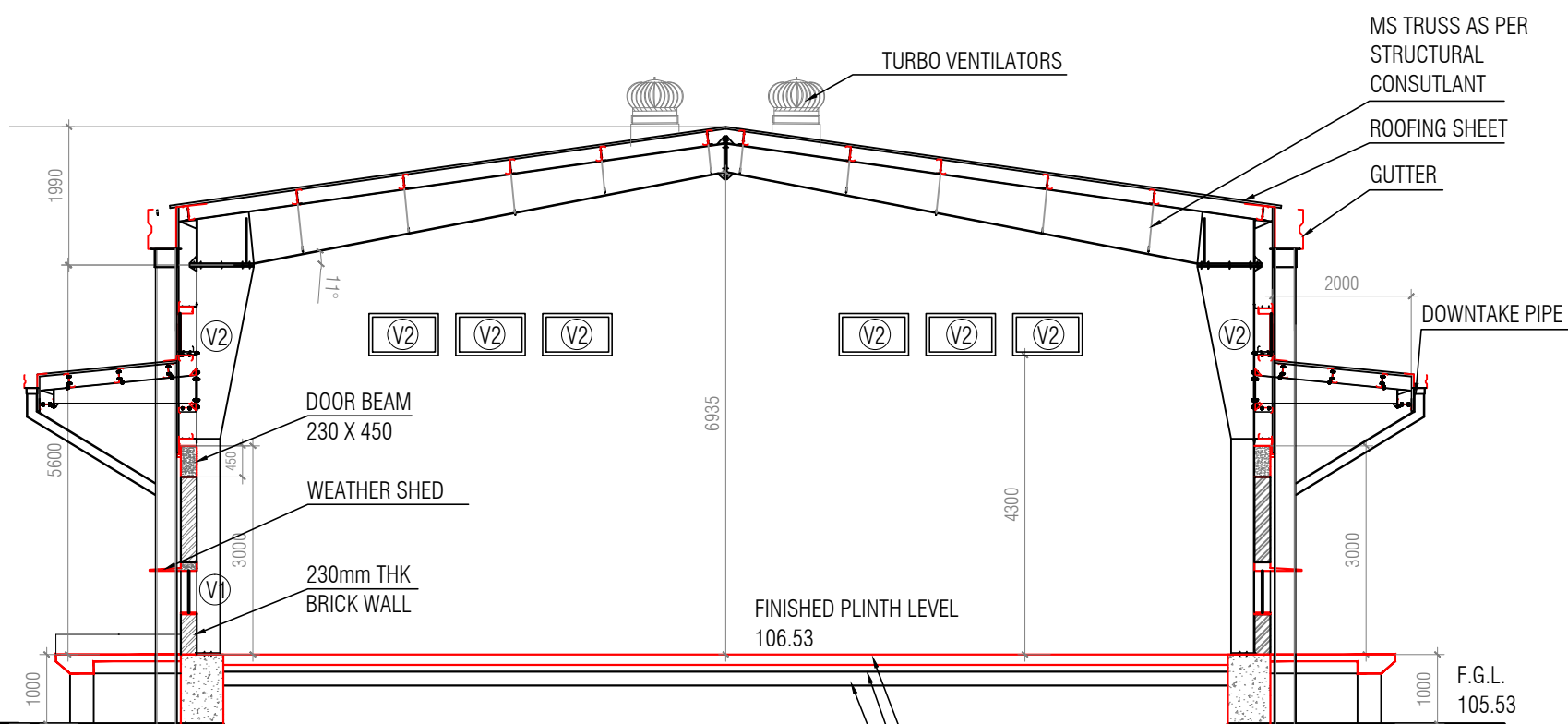
Name of the Company:

| Sl. No. | Items | Yes/ no |
|----------------|--|----------------|
| 1 | Profile of the Company | |
| 2 | Work performed of a similar nature over the last Three years | |
| 3 | Capabilities with respect to personnel, equipment and manufacturing facilities | |
| 4 | Audited financial reports for the last three years, balance sheets, profit and loss statements, auditors' reports (in case of companies) | |
| 5 | Evidence of access to financial resources to meet the qualification requirements: cash in hand, lines of credit etc | |
| 6 | Evidence for ISO/ISI certification | |
| 7 | Name, address and telephone (Land line as well as Mobile No.) and fax numbers of the Tenderers' banker who may provide references if contacted by the Council. | |
| 8 | Details of deviation if any | |
| 9 | Certificate stating no dues with regard to the EPF, ESI or any other statutory payment with regards to their employees and also should furnish the details of last remittance of EPF and ESI of their employees | |
| 10 | Details of office set up for after sales service | |
| 11 | Details of Human resource to run the project in the format attached | |
| 12 | Signed copy of tender document (signed in all pages) along with copy of Bid security /DD-(original posted to Chairman, Krishi Vigyan Kendra, Baramati &Agricultural Development Trust, A/p- Malegaon Khurd, Tal – Baramati ,Dist-Pune – 413115, Maharashtra, India) | |
| 13 | Signed copy of notice inviting tender | |
| 14 | Financial bid entered in BOQ | |

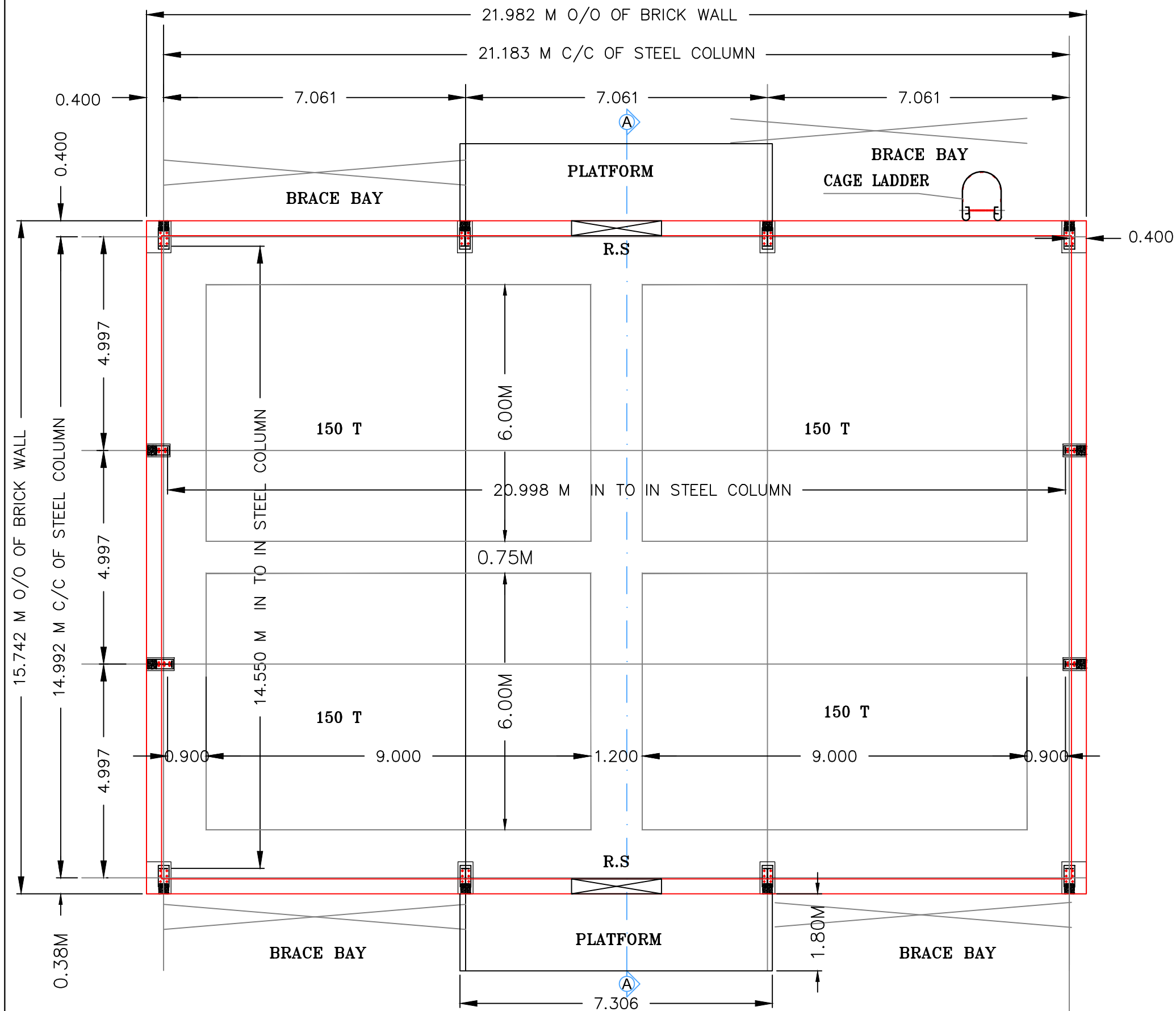
SIGNATURE OF THE TENDERER



FRONT ELEVATION



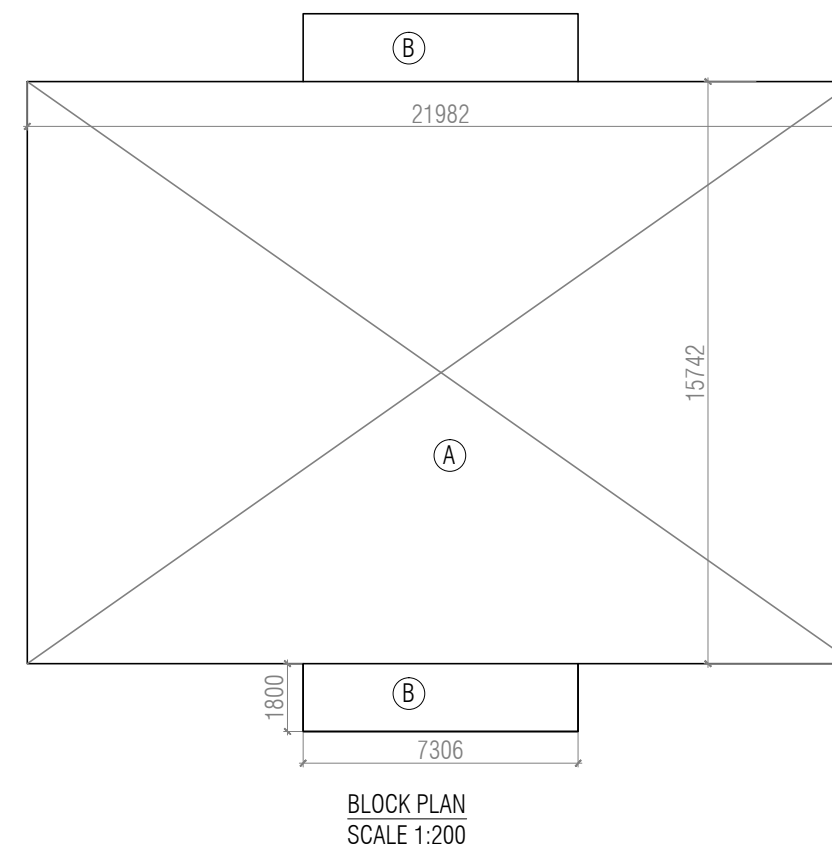
SECTION A-A



PLAN FOR 1/2000 MT. WH. UNIT NO. III

SCHEDULE OF OPENINGS

| | DESCRIPTION | SILL | LINTEL | SIZE | NUMBER |
|----|------------------------------|------|--------|-------------|--------|
| RS | ROLLING SHUTTER | 0 | 2500 | 1800 x 2500 | 1 |
| V1 | VENTILATOR-ALUMINUM OPENABLE | 600 | 1200 | 600 x 600 | 7 |
| V2 | VENTILATOR-ALUMINUM OPENABLE | 4300 | 4900 | 1000 x 600 | 13 |
| | TURBO VENTILATOR | | | 600mm DIA. | 8 |



BLOCK AREA CALCULATIONS

| BUILDING SIZE (PROPOSED) | AREA IN SQ.M |
|--------------------------|--------------|
| MAIN BUILDING (A) | |
| 21.982 M X 15.742 M | 346.040 |
| PLATFORM (B) | |
| 7.306 M X 1.80 M X 2no. | 26.300 |
| TOTAL B/UP AREA | 372.34 |

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NOTES

1. ALL DIMENSIONS ARE IN MM.
2. ONLY WRITTEN DIMENSIONS TO BE FOLLOWED.
3. DO NOT SCALE THE DRAWING.
4. IN CASE OF ANY AMBIGUITY OR DISCREPANCY, CONTACT THE ARCHITECTS.
5. REFER THIS DRAWING ALONG WITH THE STRUCTURAL ENGINEER'S DRAWINGS.
6. REFER STRUCTURAL ENGINEER'S DRAWINGS FOR REINFORCEMENT DETAILS.
7. ALL CONSTRUCTION SHALL BE DONE ONLY AFTER THE APPROVAL FROM THE LOCAL AUTHORITY.
8. BEAM DEPTH IS CONSIDERED AS 600 MM AND BEAM WIDTH 230 MM.

FOR APPROVAL

| | | |
|----|---|------------|
| R0 | | 24/01/2022 |
| R1 | REVISION IN PLAN, SECTION AND ELEVATION | 27/01/2022 |
| R2 | REVISION IN CAPACITY | 10/02/2022 |
| R3 | REVISION IN SIZE | 10/02/2022 |

CLIENT

AGRICULTURE DEVELOPMENT TRUST

PROJECT NAME

CONSTRUCTION OF 600MT CAPACITY SEED WAREHOUSE

SITE ADDRESS

GAT NO.113, MALEGAON KHURD, TAL-BARAMATI
DIST-PUNE. - 413115



SHEET TITLE : SEED WAREHOUSE DRAWING

| SHEET NO | SCALE | DATE | DRAWN BY | CHECKED BY |
|----------|-------|------------|----------|--------------|
| AR-01-02 | 1:100 | 10.02.2022 | MUGDHA | SHRIKANT SIR |

ARCHITECTS SIGNATURE

ARCHITECT

Design
Consultants
Architects

SETU UNIT NO.2, PLOT NO.69, BHARAT KUNJ, COLONY NO.2 ERANDAWANE,
KOTHRUD PUNE-38 TEL:020-25411470
FAX: 25422819 E-MAIL: dc@dcapl.net

| SCHEDULE-A | | |
|--|--------------------------------------|--------------|
| CLIENT NAME :-AGRICULTURAL DEVELOPMENT TRUST | | |
| PROJECT :- CONSTRUCTION OF 600MT CAPACITY SEED WAREHOUSE | | |
| SUMMERY | | |
| S.NO. | DESCRIPTION | AMOUNT IN RS |
| A | DEMOLITION & PLINTH WORKS | |
| B | CONCRETE AND R.C.C. ITEMS | |
| C | MASONARY ITEMS | |
| D | PLASTERING AND WATERPROOFING | |
| E | ROOFING AND WALL CLADDING | |
| F | MISCELLANEOUS ITEMS | |
| G | DOORS | |
| H | VENTILATOR | |
| I | PAINTING | |
| J | PLUMBING , DRAINAGE AND ALLIED WORKS | |
| K | M.S.WORK | |
| TOTAL AMOUNT IN RS : | | |

Taxes will be Extra

Important Notes :

- 1 All Above Rates are including Cement,Tor Steel,Tiles & Plumbing Material
- 2 All Above Rates are excluding all taxes , & taxes will be extra as per applicable.
- 3 For Masonry work-Crush Sand-100% to be use.
- 4 For Plaster work-River Sand-100% to be use.
- 5 For Flooring work-Grit -100% to be use.
- 6 Electricity & Water supply by Client at free of Cost.
- 7 Concrete will be done on site mix, by mixer & on volumetric basis.

CLIENT NAME :- AGRICULTURAL DEVELOPMENT TRUST

PROJECT :- CONSTRUCTION OF 600MT CAPACITY SEED WAREHOUSE

BILL OF QUANTITIES

SUMMARY

| S.NO. | DESCRIPTION | AMOUNT IN RS |
|-------|--------------------------------|--------------|
| | | |
| A | DEMOLITION & PLINTH WORKS | |
| | | |
| B | CONCRETE AND R.C.C. ITEMS - | |
| | | |
| C | MASONARY ITEMS - | |
| | | |
| D | PLASTERING AND WATERPROOFING - | |
| | | |
| E | ROOFING AND WALL CLADDING - | |
| | | |
| F | MISCELLANEOUS ITEMS | |
| | | |
| | TOTAL COST OF WORK IN RS. | |
| | | |

BILL OF QUANTITIES

| ITEM NO | DESCRIPTION | QUANTITY | UNIT | RATE | AMOUNT IN RS |
|---------|---|----------|----------|------|--------------|
| | | | | | |
| A | DEMOLITION & PLINTH WORKS | | | | |
| | Site Clearance | | | | |
| 1.00 | Site clearance of work spot including removing of trees, up to bottom level, removing of bushes, felling of the girth ,removing of the roots and stacking of serviceable material and disposal of surplus unserviceable soil / small and big trees / bushes of debris to the location as directed by Engineer-in-Charge including transport & labor, no extra charges shall be paid for this, etc. complete. | 1.00 | LUMP-SUM | | |
| 2.00 | Excavation in soil of all types | | | | |
| | Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material up to a distance of 50 m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.) By Mechanical Means | 15.88 | CUM | | |
| | Excavation in Hard Murum | | | | |

| ITEM NO | DESCRIPTION | QUANTITY | UNIT | RATE | AMOUNT IN RS |
|-------------|--|----------|------|------|--------------|
| 3.00 | Excavation for foundation in hard murum, including removing the excavated material to a location & stacking and spreading as directed by Engineer - in - charge from the site area, no extra charges shall be paid for this, including dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including necessary shoring and strutting etc. complete. | | | | |
| a | Lift from 0.00 - 1.50 Mt. | 79.38 | Cu.m | | |
| b | Lift from 1.50 - 3.00 Mt. | 0.00 | Cu.m | | |
| c | Lift from 3.00 - 4.50 Mt. | 0.00 | Cu.m | | |
| | Excavation in Soft Rock | | | | |
| 4.00 | Excavation for foundation in soft rock, including removing the excavated material to a location & stacking and spreading as directed by Engineer - in - charge from the site area, no extra charges shall be paid for this, including dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including necessary shoring and strutting etc. complete. | | | | |
| a | Lift from 0.00 - 1.50 Mt. | 63.50 | Cu.m | | |
| b | Lift from 1.50 - 3.00 Mt. | 0.00 | Cu.m | | |
| c | Lift from 3.00 - 4.50 Mt. | 0.00 | Cu.m | | |
| | Excavation in Hard Rock | | | | |
| 5.00 | Excavation for foundation in hard rock, including removing the excavated material to a location & stacking and spreading as directed by Engineer - in - charge from the site area, no extra charges shall be paid for this, including dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including necessary shoring and strutting etc. complete. | | | | |
| a | Lift from 0.00 - 1.50 Mt. | 5.29 | Cu.m | | |
| b | Lift from 1.50 - 3.00 Mt. | 0.00 | Cu.m | | |
| c | Lift from 3.00 - 4.50 Mt. | 0.00 | Cu.m | | |
| | Filling with approved excavated Murum from site | | | | |
| 6a | Filling in plinth,floors,trenches,pits with approved excavated materials,murum/good earth in layers not exceeding 200 mm including breaking of clods,watering,consolidating each layer in filled up area by rolling and compacting with roller/plate compactor as required to achieve not less than 97% modified proctor density conforming to relevant IS etc.complete. | 114.84 | Cu.m | | |
| | Rubble Soling | | | | |

| ITEM NO | DESCRIPTION | QUANTITY | UNIT | RATE | AMOUNT IN RS |
|-------------|--|----------|------|------|--------------|
| 7.00 | Providing & Laying dry stone Rubble Soling with average 230 mm size hard stone set in regular lines,handpacked and interstices thoroughly filled with small chips including filling in with good quality murum brought from out side,compacting with iron rammers,watering,sand spreading 12 mm thk.layer of grit on top etc complete as directed by Engineer In Charge. | 61.35 | Cu.m | | |
| 8.00 | Antitermite Treatment | | | | |
| a | Providing pre-constructional Anti-termite treatment as per I.S. 6313 (Part-II) - 1973 by treating the top surface of plinth filling at the rate of 5 litres of emulsion concentrates of 0.5 percent of Hephoclore per square meter of surface. | 309.62 | Sq.m | | |
| | TOTAL AMOUNT OF DEMOLITION & PLINTH WORKS IN RS : | | | | |
| | | | | | |
| B | PLAIN & REINFORCED CEMENT CONCRETE ITEMS - | | | | |
| 1.00 | Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. | 38.49 | Cu.m | | |
| 2.00 | Reinforced Cement Concrete for Footings | | | | |
| | Providing and laying in situ cement concrete trap / granite / quartzite / gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, centring,formwork, cover blocks, compaction and curing, roughening the surface if special finish is to be provided etc.complete,with crushed sand. | | | | |
| | M - 25 | 13.50 | Cu.m | | |
| | | | | | |
| 3.00 | Reinforced Cement Concrete for Columns / Pedestals | | | | |
| | Providing and laying in situ cement concrete trap / granite / quartzite / gneiss metal for R.C.C. work for Columns / Pedestals at any height including necessary centring,formwork, cover blocks,placing & fixing inserts (viz. plates, pipes for cutouts, anchors,) formation of cutouts, chases etc. compaction and curing, roughening the surface if special finish is to be provided etc.complete,with crushed sand. | | | | |
| | M - 25 | 28.15 | Cu.m | | |
| | | | | | |

| ITEM NO | DESCRIPTION | QUANTITY | UNIT | RATE | AMOUNT IN RS |
|-------------|---|----------|------|------|--------------|
| 4.00 | Reinforced Cement Concrete for Plinth Beams | | | | |
| | Providing and laying in situ cement concrete trap / granite / quartzite / gneiss metal for R.C.C. work for Plinth Beams including necessary centring, formwork, cover blocks, placing & fixing inserts (viz. plates, pipes for cutouts, anchors,) formation of cutouts, chases etc. compaction and curing, roughening the surface if special finish is to be provided etc. complete, with crushed sand. | | | | |
| | M - 25 | 26.96 | Cu.m | | |
| 5.00 | Reinforced Cement Concrete for Floor Slabs / Canopy | | | | |
| | Providing and laying in situ cement concrete trap / granite / quartzite / gneiss metal for R.C.C. work for Floor Slabs / Canopy at any height including necessary centring, formwork, cover blocks, placing & fixing inserts (viz. plates, pipes for cutouts, anchors,) formation of cutouts, chases etc. compaction and curing, roughening the surface if special finish is to be provided etc. complete, with crushed sand. | | | | |
| | M - 25 | 6.16 | Cu.m | | |
| 6.00 | Reinforced Cement Concrete for Chajja / Lintels / Lofts / Projections | | | | |
| | Providing and laying in situ cement concrete trap / granite / quartzite / gneiss metal for R.C.C. work for Chajja / Lintels / Lofts / Projections at any height including necessary centring, formwork, cover blocks, placing & fixing inserts (viz. plates, pipes for cutouts, anchors,) formation of cutouts, chases etc. compaction and curing, roughening the surface if special finish is to be provided etc. complete, with crushed sand. | | | | |
| | M - 25 | 0.63 | Cu.m | | |
| 7.00 | Trimix Flooring (M - 20) | | | | |
| | Providing and laying C.C. floor of trimix M-20 with ready mixed concrete including channel shuttering spaced as directed. The concrete shall be laid and vibrated with a poker vibrator and finished with screed board vibrator, vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-in-charge. etc. complete, with crushed sand. | 51.91 | CUM. | | |
| 8.00 | Surface Hardner | | | | |

| ITEM NO | DESCRIPTION | QUANTITY | UNIT | RATE | AMOUNT IN RS |
|--------------|--|----------|--------|------|--------------|
| | Providing surface hardening treatment to concrete surface on tremix floor by Sika/ equivalent make in proportion 5kg/sqm or as indicated by manufacturer by approved chemicals and appropriate proportions to achieve the designed surface strength for hardness including cleaning and smotthing the surface etc. complete | 346.04 | Sq.Mt. | | |
| 9.00 | S / F / E Reinforced Steel | | | | |
| | Providing, fixing and laying in position Tor / Mild steel bar reinforcement of various dia.for all kinds of R.C.C. work at any height or location as per detailed designs, drawings, & schedules or as directed including straightening, cutting, bending, hooking the bars, binding with wires or welding and supported as required, providing cover blocks etc. complete (Rate inclusive of work at all heights & levels including cost of binding wire and / or welding rods) | | | | |
| a | Mild steel | 0.00 | M.T. | | |
| b | Tor steel | 9.05 | M.T. | | |
| | | | | | |
| 10.00 | S / F / E Structural Steel | | | | |
| | Providing, fabricating & erecting structural steelwork in hot rolled sections for trusses, purlins,gantry, monorial columns,cable trays,pipe racks,purlins,castallated beams, staircase & other structural members with all bracings,gusset plates etc. as per detailed drawing or as directed at all heights and levels including removing the scales & burrs,cleaning with phosphoric acid marking,cutting,fabrication,hoisting,erecting & fixing in position,making alignment of members making welded/bolted/rivettted connections etc complete. | 17.30 | M.T. | | |
| | | | | | |
| | TOTAL AMOUNT OF PLAIN & REINFORCED CEMENT CONCRETE ITEMS - IN RS : | | | | |
| | | | | | |
| C | BRICK MASONRY ITEMS - | | | | |
| | | | | | |
| 1.00 | Conventional Bricks Masonry 230 mm thk. | | | | |
| | Providing second class Burnt Brick masonry with conventional /Indian Standard type bricks in cement mortar 1:6 in foundations and plinth of inner walls /in plinth external walls including bailing out water manually, striking joints on unexposed faces, raking out joints on exposed faces and watering complete. | | | | |
| a | In Plinth | 17.35 | CUM. | | |
| b | In Superstructure | 50.88 | CUM. | | |
| | | | | | |
| | | | | | |
| | TOTAL AMOUNT OF BRICK MASONRY ITEMS - IN RS : | | | | |

| ITEM NO | DESCRIPTION | QUANTITY | UNIT | RATE | AMOUNT IN RS |
|-------------|---|----------|------|------|--------------|
| D | PLASTERING AND WATERPROOFING - | | | | |
| 1.00 | Internal Cement Plaster without Neeru Finish | | | | |
| | Providing & applying internal cement plaster to walls & ceilings (minimum thickness 12 mm) in cement mortar 1:4 without Neeru finish to concrete, stone or brick surface including roughening the concrete surface, applying the base coat in line & level including curing, scaffolding, cleaning, making of dhar, kor, groove etc. as required complete at all heights, levels and floors (Including providing and fixing in position the chicken mesh of 22 gauge at every joints of brickwork & RCC members of width 200 mm as per instructions of Architect or site incharge.) Using CemFil Anticrack HD Fiber 1 pouch per 50 kg. bag of cement. | 286.70 | SQM. | | |
| 2.00 | External Sand Face Plaster (Spray / Dabba Plaster) | | | | |
| | Providing & applying externally sand faced plaster over brick stone or concrete surface in two coats (minimum thickness 20mm) using well graded sand, including roughening the concrete surface, applying base coat in C.M. 1:4 in proper line, level & plumb using waterproofing compound of approved manufacturer at 1 pouch per cement bag or as per suggested by arch./consultant, curing the same for not less than two days and keeping the surface of the base coat rough to receive the sand face treatment, applying second coat in C.M. 1:4, finishing the surface by taking out grains curing for not less than 14 days etc. at all heights and levels as per drawings including curing, scaffolding, including marking of dhar, panni patti, groove etc. compl. (Including providing and fixing in position the Chicken mesh of 22 gauge at every joints of brickwork & RCC members of width 200 mm as per instructions of Architect or site incharge.) using CemFil Anticrack HD Fiber 1 pouch per 50 kg. bag. | 285.79 | SQM. | | |
| | | | | | |
| | TOTAL AMOUNT OF PLASTERING AND WATERPROOFING WORKS IN RS : | | | | |
| E | ROOFING AND WALL CLADDING | | | | |
| 1.00 | Bare "Galvalume/Zincalume" MS Sheets for Roofing | | | | |

| ITEM NO | DESCRIPTION | QUANTITY | UNIT | RATE | AMOUNT IN RS |
|--|---|----------|------|------|--------------|
| | Providing and fixing bare "Galvalume/Zincalume" MS sheets 0.50mm thk. for roofing including all approved quality fastenings including all approved quality fastenings, fixings like metal washers Neoprene / EPDM washers, caps, side stitching, riveting, mastic taping etc. complete. with all scaffolding and giving water tightness test & guarantee etc. complete. (Depth Of corrugation shall be 40mm and overlap of sheets shall be 250mm) | 622.03 | SQM. | | |
| 3.00 | PPGI Accessories | | | | |
| | 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. | | | | |
| | 12.51.1 Ridges plain (300mm) | 22.00 | rmt | | |
| | 12.51.2 Flashings/ Aprons. (Upto 600 mm) | 32.00 | rmt | | |
| | 12.51.3 North light curves | 0.00 | rmt | | |
| | 12.51.4 Barge board (Upto 300 mm) | 32.00 | rmt | | |
| | 12.51.5 Crimp curve | 0.00 | sqm | | |
| | 12.51.6 Gutter (600 mm over all girth) | 43.96 | rmt | | |
| 4.00 | Polycarbonate sheets... FOR SKYLIGHT | | | | |
| | Providing and fixing 2 mm thk. Polycarbonate sheets supplied by G.E. polycarbonate of approved profile including all quality fastenings, fixing with self tapping screws from Buildtex, metal washers and Neoprene / EPDM washers, matching colour caps etc. complete. | 23.04 | SQM. | | |
| TOTAL AMOUNT OF ROOFING AND WALL CLADDING WORKS IN RS : | | | | | |
| F | MISCELLANEOUS ITEMS | | | | |
| 1.00 | Providing & fixing lightening conductor system comprising of erecting Air termination consisting of tubular copper rod of 25 mm dia 1.2 mm thick with multiple points head 1.2 mt long [heavy duty] welded or clamped to G.I. pipe pole "B" gr | 1.00 | Rmt | | |
| 2.00 | Turbo ventilators | | | | |
| | Providing & Fixing Turbo ventilators of. as per Drawing & design & specifications given by the Architect including fixing, fittings, nut, bolts, washers, Poly sheet base, Scaffolding, etc. complete. | | | | |
| | 600 mm Dia | 8.00 | No. | | |

| ITEM NO | DESCRIPTION | QUANTITY | UNIT | RATE | AMOUNT IN RS |
|-----------------|---|----------|------|------|--------------|
| 3.00 | Providing groove cutting 50 mm x 6 mm in cement concrete flooring etc. complete as directed. | 209.61 | Rmt | | |
| | | | | | |
| | | | | | |
| | TOTAL AMOUNT OF MISCELLANEOUS ITEMS IN RS : | | | | |
| | | | | | |
| Notes :- | Basic rates of Material are for Delivery on site .i.e. including GST,Loading ,unloading ,Transport etc. | | | | |
| | Taxes Extra | | | | |

CLIENT NAME :- AGRICULTURAL DEVELOPMENT TRUST

PROJECT :- CONSTRUCTION OF 600MT CAPACITY SEED WAREHOUSE

BILL OF QUANTITIES

| ITEM NO | DESCRIPTION | QUANTITY | UNIT | RATE | AMOUNT IN RS |
|---------|---|----------|------|------|--------------|
| | | | | | |
| J | VENTILATOR | | | | |
| | | | | | |
| 1 | | | | | |
| | Providing and fixing in position powder coated aluminium louvered windows/ventilator of various sizes with powder coating with 5 mm. thick sheet glass louvers etc. complete. | 27.36 | SQM. | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | TOTAL AMOUNT OF WORK IS RS. | | | | |

Notes :-

Basic rates of Material are for Delivery on site .i.e. including Vat ,Loading ,unloading ,Transport etc.
Taxes Extra

CLIENT NAME :- AGRICULTURAL DEVELOPMENT TRUST

PROJECT :- CONSTRUCTION OF 600MT CAPACITY SEED WAREHOUSE

BILL OF QUANTITIES

| ITEM NO | DESCRIPTION | QUANTITY | UNIT | RATE | AMOUNT IN RS |
|----------------------------------|---|----------|------|------|--------------|
| K | PAINTING AND FINISHING - | | | | |
| 1 | Internal paint | | | | |
| | Providing and applying oil bound distemper of approved make and shade on all surfaces & at all heights in three coats including scaffolding, preparing the surface by brushing and brooming down, applying primer, palti and a coat of Birla white putty etc. complete. The dry/wet cleaning of floors/pipes/glass etc after painting is to be carried out. | 285.20 | SQM. | | |
| 2 | External paint (Apex Ultima)... | | | | |
| | Providing and applying Apex Ultima paint shade to the plastered or exposed Brick/Stone/Concrete surface in two coats, including scaffolding, preparing the surface to receive the paint etc., complete with curing. | 284.29 | SQM. | | |
| TOTAL COST OF WORK IS RS. | | | | | |

Notes :-

Basic rates of Material are for Delivery on site .i.e. including Vat ,Loading ,unloading ,Transport etc.

CLIENT NAME :- AGRICULTURAL DEVELOPMENT TRUST

PROJECT :- CONSTRUCTION OF 600MT CAPACITY SEED WAREHOUSE

BILL OF QUANTITIES

| NO | DESCRIPTION | QUANTITY | UNIT | RATE | AMOUNT IN RS |
|---|---|----------|------|------|--------------|
| | | | | | |
| | | | | | |
| L | SANITATION AND PLUMBING - | | | | |
| | | | | | |
| 1 | Providing , laying and fixing, jointing Eco- drain 200 mm SN 4 Nu- Drain Upvc pipes or of equivalent make, manufacture as per EN 13476 or equivalent as per I.S.15328 with fittings such a bends, tees tees, coupler etc, jointing with rubber lubricant including necessary excavation, trench refilling with selective excavated material etc | 50.00 | RMT | | |
| 2 | Providing, laying and fixing, jointing Eco- drain 160 mm SN 4 Nu- Drain Upvc pipes or of equivalent make, manufacture as per EN 13476 or equivalent as per I.S.15328 with fittings such a bends, tees , coupler, etc, jointing with rubber lubricant including necessary excavation, trench refilling with selective excavated material etc. | 160.00 | RMT | | |
| 3 | Providing and fixing P.V.C. Rain water pipes of 110mm outer diameter and having wall thickness of 2.2 to 2.7 mm confirming to I.S. 13592- 1992 including proper rainwater receiving recess with P.V.C. plug, bend, necessary fittings, such as, offsets, shoes, including fixing the pipe on wall using approved wooden cleats projecting 25mm to 40mm from face of wall a fixing with clips of approved quality and number, filing the joint using rubber gasket with solvent cement and properly resting the shoe of pipes on C.C. or masonry blocks, including necessary scaffolding and maintenance for 3 yrs for any leakages or dislocations of pipes. All the P.V.C. fittings and additional 2 piece socket clips shall be got approved from engineer in charge etc. complete. | 150.00 | RMT | | |
| 4 | Providing and constructing Brick Masonry Inspection Chamber 60cm x 45cm x 90cm including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W. pipes, Brick Masonry, plastering from inside and with frame fixed in cement concrete with R.C.C. Cover medium duty 140 kg with frame etc complete. | 6.00 | NOS | | |
| | | | | | |
| TOTAL COST OF SANITATION AND PLUMBING -WORK IS RS. | | | | | |

Notes :-

Basic rates of Material are for Delivery on site .i.e. including Vat ,Loading ,unloading ,Transport etc.
Taxes Extra

CLIENT NAME :- AGRICULTURAL DEVELOPMENT TRUST

PROJECT :- CONSTRUCTION OF 600MT CAPACITY SEED WAREHOUSE

BILL OF QUANTITIES

| ITEM NO | DESCRIPTION | QUANTITY | UNIT | RATE | AMOUNT IN RS |
|----------|--|----------|------|------|--------------|
| L | M.S. FABRICATION WORKS | | | | |
| 1 | M.S.Grills | | | | |
| | Providing & fixing Mild steel Grills of approved make in various sizes with M.S. sections frame as per detailed drawing & with approved quality with two Synthetic Enamel of approved make & shade over a coat of primer etc.complete.(1.5 kg. /sq.ft.) | | | | |
| a | For ventilator | 27.36 | SQM. | | |
| b | Louvers for duct | | SQM. | | |
| 2 | Rolling Shutter | | | | |
| | Providing and fixing rolling shutter with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section, including mechanical gear operation arrangement consisting of worm gear wheels and worms of high grade cast iron or mild steel and one coat of red lead primer etc. complete. (I.S. 6248-1979) (With mechanical gear). | 9.00 | SQM | | |
| 3 | MS Ladder | | | | |
| | Providing & Fixing in position M.S. ladder of 45 cms width made out 50 x 50 x 6 mm two angles for rails and M.S. angle stiffeners at three places as directed with M.S. round bars of 20 mm dia for steps @ every 30 cm c/c including fixing | 8.00 | Rmt | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | TOTAL COST OF WORK IS RS. | | | | |

Notes :-

Basic rates of Material are for Delivery on site .i.e. including Vat ,Loading ,unloading ,Transport etc.
Taxes Extra

CLIENT NAME :- AGRICULTURAL DEVELOPMENT TRUST
PROJECT :- CONSTRUCTION OF 600MT CAPACITY SEED WAREHOUSE

M E A S U R E M E N T S

| S R. N O. | DESCRIPTION | NO. | L | B | D | QTY | UNIT |
|--------------------|--|-----|-------|--------|--------------|---------------|------------|
| 1 | Excavation for foundation in earth, soil of all types, sand, gravel and soft murum , including | | | | | | |
| | COLUMN (C1 TO C12) | 12 | 2.1 | 2.1 | 0.3 | 15.88 | |
| | | | | | Total | 15.88 | Cum |
| 2 | Excavation for Foundation in hard murum , including removing the excavated materials upto a distance of 50 mtrs beyond the building area and stacking and spreading as directed, dewatering preparing the bed for the foundation and necessary back filling ramming, watering including shoring and strutting etc. complete. (Lift upto 1.50m) By Mechanical Means | | | | | | |
| | COLUMN (C1 TO C12) | 12 | 2.1 | 2.1 | 1.5 | 79.38 | |
| | | | | | Total | 79.38 | Cum |
| 3 | Excavation for foundation in Soft rock and old cement or lime masonry foundations including removing the excavated material upto a distance of 50 metres beyond the building area and stacking as directed, including dewatering, preparing the bed for the foundation and necessary back filling with available earth /murum, ramming, watering including shoring and strutting etc. complete (lift upto 1.5m) By Mechanical Means | | | | | | |
| | COLUMN (C1 TO C12) | 12 | 2.1 | 2.1 | 1.2 | 63.504 | |
| | | | | | Total | 63.50 | Cum |
| 4 | Excavation for foundation in Hard rock by blasting including trimming and leveling the bed by chiseling where necessary and removing the excavated material and stacking it in measurable heaps within a distance of 50 metres from the building area including dewatering and back filling with available earth/murum, watering, ramming, etc. complete. (Lift upto 1.5m) By Mechanical Means | | | | | | |
| | Lift upto 1.50m | | | | | | |
| | COLUMN (C1 TO C12) | 12 | 2.1 | 2.1 | 0.1 | 5.292 | |
| | | | | | Total | 5.29 | Cum |
| 5 | Filling in plinth and floors with approved excavated materials. | | | | | | |
| | Slab | 1 | 21.28 | 14.415 | 0.5 | 153.38 | |
| | Qty of PCC for Column Footings | | | | | 3.89 | Cum |
| | Qty of Concrete for Column Footings | | | | | 13.50 | Cum |
| | Qty of Columns upto G. L. | | | | | 6.62 | |
| | Brickwork in plinth | | | | | 17.35 | |
| | | | | | Sub Total | 194.73 | Cum |
| | Availabel 70% | | | | Total | 114.84 | Cum |
| 6 | Filling in plinth and floors with contractors soil. Sand or murum materials in 15 cm. to 20 cm. layers etc.complete. | | | | | | |
| | Excavation Qty | | | | | 164.05 | |
| | | | | | Sub Total | 164.05 | Cum |
| | Less Available Material | | | | | -114.84 | Cum |
| | | | | | Total | 49.21 | Cum |

| | | | | | | | |
|----|--|----|--------|--------|--------------|---------------|------------|
| 7 | Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting etc. complete. | | | | | | |
| | TOTAL AREA | 1 | 21.28 | 14.415 | 0.2 | 61.35 | |
| | | | | | Total | 61.35 | Cum |
| 8 | Providing and laying Cast in situ/Ready Mix cement concrete in M-10 of trap/ granite/ quartzite/ gneiss metal for foundation and bedding including bailing out water, Steel centering, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. | | | | | | |
| | COLUMN (C1 TO C12) | 12 | 1.8 | 1.8 | 0.1 | 3.888 | |
| | PLINTH PCC | | | | | | |
| | TOTAL AREA | 1 | 21.982 | 15.742 | 0.1 | 34.60 | |
| | | | | | Total | 38.49 | Cum |
| 9 | Providing and laying C.C. floor of Trimix M-20 with ready mixed concrete including channel shuttering spaced as directed.The concrete shall be laid and vibrated with a poker vibrator and finished with screed board vibrator , vacuum dewatering process and finally finished by floating, brooming with wire brush etc.complete as per specifications and directions of Engineer-in-charge. etc.complete,with crushed sand. | | | | | | |
| | TOTAL AREA | 1 | 21.982 | 15.742 | 0.15 | 51.91 | |
| | | | | | Total | 51.91 | Cum |
| | | | | | | | |
| 10 | Providing surface hardening treatment to concrete surface on tremix floor by Sika/ equivalent make in proportion 5kg/sqm or as indicated by manufacturer by approved chemicals and appropriate proportions to achieve the designed surface strength for hardness in cluding cleaning and smotthing the surface etc. complete | | | | | | |
| | | 1 | 21.982 | 15.742 | | 346.04 | |
| | | | | | Total | 346.04 | sqm |
| | | | | | | | |
| 11 | Providing and laying in situ/ Ready Mix cement concrete M-25 of trap/ granite/quartzite/ gneiss metal for R.C.C. work in foundations like raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, formwork, laying/ pumping cover blocks, compaction and curing roughening the surface if special finish is to be provided, (Excluding reinforcement and structural steel) etc. complete, with fully automatic micro processor based PLC with SCADA enabled Reversible Drum Type mixer/ concrete Batch Mix plant (Pan mixer) etc. complete, with fine aggregate (Natural Sand/ Crushed Sand V.S.I. Grade finely washed etc.) | | | | | | |
| | COLUMN (C1 TO C12) | 12 | 1.5 | 1.5 | 0.5 | 13.50 | |
| | | | | | Total | 13.50 | Cum |
| 12 | Providing and laying cast in situ/ Ready Mix cement concrete M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including centering, formwork, cover blocks, laying/ pumping, compaction finishing the formed surfaces with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening if special finish is to be provided and curing etc. complete, (Excluding reinforcement and structural steel) with fully automatic micro processor based PLC with SCADA enabled Reversible Drum Type mixer/ concrete Batch Mix plant (Pan mixer) etc. complete with fine aggregate (Natural Sand/ Crushed Sand V.S.I. Grade finely washed etc.) | | | | | | |
| | PLINTH LEVEL | 12 | 0.75 | 0.35 | 2.1 | 6.62 | Cum |
| | FLOOR TO FLOOR | 12 | 0.75 | 0.35 | 6.835 | 21.53 | |
| | | | | | Total | 28.15 | Cum |

| | | | | | | | |
|----|---|---|-------|-------|--------------|--------------|------------|
| 13 | Providing and laying Cast in situ/ Ready Mix cement concrete M-25 of trap/ granite/quartzite/ gneiss metal for R.C.C. Beams and Lintels as per detailed designs and drawings or as directed including centering, formwork, cover blocks, laying/ pumping, compaction and roughening the surface if special finish is to be provided and curing etc. complete. (Excluding reinforcement and structural steel), with fully automatic micro processor based PLC with SCADA enabled Reversible Drum Type mixer/ concrete Batch Mix plant (Pan mixer) etc. complete with fine aggregate (Natural Sand/ Crushed Sand V.S.I. Grade finely washed etc.) | | | | | | |
| | For Plinth Beams | | | | | | |
| | <i>HORIZONTAL</i> | | | | | | |
| | (C1-C2),(C12-C11) | 2 | 6.66 | 0.23 | 0.6 | 1.84 | |
| | (C2-C3),(C11-C10) | 2 | 6.73 | 0.23 | 0.6 | 1.86 | |
| | (C3-C4),(C10-C9) | 2 | 6.71 | 0.23 | 0.6 | 1.85 | |
| | (C6-C5),(C7-C8) | 2 | 21.00 | 0.23 | 0.6 | 5.80 | |
| | <i>VERTICAL</i> | | | | | | |
| | (C6-C1),(C5-C4) | 2 | 4.56 | 0.23 | 0.6 | 1.26 | |
| | (C7-C6),(C8-C5) | 2 | 4.70 | 0.23 | 0.6 | 1.30 | |
| | (C12-C7),(C9-C8) | 2 | 4.56 | 0.23 | 0.6 | 1.26 | |
| | (C10-C3),(C11-C2) | 2 | 14.42 | 0.23 | 0.6 | 3.98 | |
| | | | | | | | |
| | For Tie Beams | | | | | | |
| | <i>HORIZONTAL</i> | | | | | | |
| | (C1-C6),(C6-C7),(C7-C12),(C4-C5),(C5-C8),(C8-C9) | 6 | 5.00 | 0.23 | 0.6 | 4.14 | |
| | (C1-C2),(C12-C11) | 2 | 6.66 | 0.23 | 0.6 | 1.84 | |
| | (C3-C4),(C10-C9) | 2 | 6.71 | 0.23 | 0.6 | 1.85 | |
| | | | | | Total | 26.96 | Cum |
| 14 | Providing and laying Cast in situ/ Ready Mix cement concrete in M-25 of trap / quartzite /granite /gneiss metal for R.C.C. Waist Slab, and steps of staircases as per detailed design and drawings or as directed including steel centering, plywood/ steel formwork, steel props, laying/ pumping, compaction, finishing uneven and honeycombed surface with cement mortar 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided and curing etc. complete, with fully automatic micro processor based PLC with SCADA enabled Reversible Drum Type mixer/ concrete Batch Mix plant (Pan mixer) etc. complete, with fine aggregate (Natural Sand/ Crushed Sand V.S.I. Grade finely washed etc.) (Excluding reinforcement, including cover block).(Newly laid concrete shall be covered by gunny bag, plastic, tarpaulin). | | | | | | |
| | For Ground Floor | | | | | | |
| | CANOPY | 2 | 7.695 | 2.000 | 0.200 | 6.16 | |
| | | | | | Total | 6.16 | Cum |
| 15 | Providing and laying Cast in situ/ Ready Mix cement concrete M-25 of trap/ granite/ quartzite/ gneiss metal for R.C.C. Chajja as per detailed design and drawings including centering, formwork, cover blocks compacting , curing ,finishing and roughening the surface if special finish is to be provided and curing complete (Excluding reinforcement and structural steel), with fully automatic micro processor based PLC with SCADA enabled Reversible Drum Type mixer/ concrete Batch Mix plant (Pan mixer) etc. complete, with fine aggregate (Crushed sand V.S.I. Grade). | | | | | | |
| | VENTILATOR | | | | | | |
| | FRONT SIDE | 2 | 1.750 | 0.1 | 0.45 | 0.16 | |
| | BACK SIDE | 2 | 1.750 | 0.1 | 0.45 | 0.16 | |
| | LEFT SIDE | 2 | 1.750 | 0.1 | 0.45 | 0.16 | |
| | RIGHT SIDE | 2 | 1.750 | 0.1 | 0.45 | 0.16 | |

| | | | | | | | |
|----|---|------|-------|--------|--------------|--------------|-------------|
| | | | | | Total | 0.63 | Cum |
| 16 | Providing and fixing in position TMT - FE - 500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams columns, canopies, staircase, newels, chajjas, lintels, pardis, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete. | | | | | | |
| | Footing | 1.00 | 13.50 | 120.00 | | 1.62 | |
| | Column | 1.00 | 28.15 | 120.00 | | 3.38 | |
| | Beam | 1.00 | 26.96 | 120.00 | | 3.24 | |
| | Chajja | 1.00 | 0.63 | 120.00 | | 0.08 | |
| | Slab | 1.00 | 6.16 | 120.00 | | 0.74 | |
| | | | | | Total | 9.047 | M.T. |
| 17 | Providing second class Burnt Brick masonry with conventional /Indian Standard type bricks in cement mortar 1:6 in foundations and plinth of inner walls /in plinth external walls including bailing out water manually, striking joints on unexposed faces, raking out joints on exposed faces and watering complete. | | | | | | |
| | Below Plinth | | | | | | |
| | <i>HORIZONTAL</i> | | | | | | |
| | Outer Side | 2 | 21.98 | 0.23 | 1 | 10.11 | |
| | | 2 | 15.74 | 0.23 | 1 | 7.24 | |
| | | | | | Total | 17.35 | Cum |
| 18 | Providing second class Burnt Brick masonry with conventional /Indian Standard type bricks in cement mortar 1:6 in foundations and plinth of inner walls /in plinth external walls including bailing out water manually, striking joints on unexposed faces, raking out joints on exposed faces and watering complete. | | | | | | |
| | IN SUPERSTRUCTURE | | | | | | |
| | C1-C2 | 1 | 6.695 | 0.23 | 3.9 | 6.01 | |
| | C2-C3 | 1 | 6.73 | 0.23 | 3.9 | 6.03 | |
| | C3-C4 | 1 | 7.06 | 0.23 | 3.9 | 6.33 | |
| | C4-C5 | 1 | 4.56 | 0.23 | 3.9 | 4.09 | |
| | C5-C8 | 1 | 4.70 | 0.23 | 3.9 | 4.21 | |
| | C9-C8 | 1 | 4.56 | 0.23 | 3.9 | 4.09 | |
| | C9-C10 | 1 | 6.71 | 0.23 | 3.9 | 6.02 | |
| | C10-C11 | 1 | 6.71 | 0.23 | 3.9 | 6.02 | |
| | C11-C12 | 1 | 6.76 | 0.23 | 3.9 | 6.06 | |
| | C12-C7 | 1 | 4.56 | 0.23 | 3.9 | 4.09 | |
| | C7-C6 | 1 | 4.73 | 0.23 | 3.9 | 4.24 | |
| | C6-C1 | 1 | 4.47 | 0.23 | 3.9 | 4.01 | |
| | DEDUCTION | | | | | | |
| | V | -16 | 0.6 | 0.23 | 0.6 | -1.32 | |
| | RS | -2 | 1.8 | 0.23 | 2.5 | -9.00 | |
| | | | | | Total | 50.88 | CUM |
| 19 | Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete. | | | | | | |
| | (C1-C4),(C12-C9) | 2 | 21.98 | | 3.9 | 171.46 | |
| | (C4-C9),(C1-C12) | 2 | 15.74 | | 3.9 | 122.79 | |

| | | | | | | | |
|----|--|-----|-------|--|--------------|---------------|------------|
| | CHAJJA | 8 | 1.75 | | 0.45 | 6.30 | |
| | DEDUCTION | | | | | | |
| | V | -16 | 0.6 | | 0.6 | -5.76 | |
| | RS | -2 | 1.8 | | 2.5 | -9.00 | |
| | | | | | Total | 285.79 | Sqm |
| 20 | Providing internal cement plaster 12mm thick in single coat in cement mortar 1:4 without neeru finish to concrete or brick surfaces, in all positions including scaffolding and curing etc. complete.) | | | | | | |
| | LONG WALL | 2 | 21.28 | | 4.15 | 176.62 | |
| | SHORT WALL | 2 | 15.04 | | 4.15 | 124.83 | |
| | | | | | | | |
| | DEDUCTION | | | | | | |
| | V | -16 | 0.6 | | 0.6 | -5.76 | |
| | RS | -2 | 1.8 | | 2.5 | -9.00 | |
| | | | | | Total | 286.70 | Sqm |
| 21 | Providing and applying oil bound distemper of approved make and shade on all surfaces & at all heights in three coats including scaffolding, preparing the surface by brushing and brooming down, applying primer, palti and a coat of Birla white putty etc. complete The dry/wet cleaning of floors/pipes/glass etc after painting is to be carried out. | | | | | | |
| | LONG WALL | 2 | 21.28 | | 4.15 | 176.62 | |
| | SHORT WALL | 2 | 15.04 | | 4.15 | 124.83 | |
| | | | | | | | |
| | DEDUCTION | | | | | | |
| | V | -16 | 0.6 | | 0.6 | -5.76 | |
| | RS | -2 | 2.1 | | 2.5 | -10.50 | |
| | | | | | Total | 285.20 | Sqm |
| 22 | Providing and applying two coats of apex Ultima exterior paint or approved manufacture and of approved colour to the plastered surfaces including cleaning, preparing the plaster surface, applying primer coat, scaffolding if necessary, and watering the surface completed. | | | | | | |
| | (C1-C4),(C12-C9) | 2 | 21.98 | | 3.9 | 171.46 | |
| | (C4-C9),(C1-C12) | 2 | 15.74 | | 3.9 | 122.79 | |
| | CHAJJA | 8 | 1.75 | | 0.45 | 6.30 | |
| | | | | | | | |
| | DEDUCTION | | | | | | |
| | V | -16 | 0.6 | | 0.6 | -5.76 | |
| | RS | -2 | 2.1 | | 2.5 | -10.50 | |
| | | | | | Total | 284.29 | Sqm |
| 23 | G.I SHEET | | | | | | |
| | FRONT SIDE | 1 | 21.98 | | 3.00 | 65.95 | |
| | BACK SIDE | 1 | 21.98 | | 3.00 | 65.95 | |
| | LEFT SIDE | 1 | 15.74 | | 3.00 | 47.23 | |
| | RIGHT SIDE | 1 | 15.74 | | 3.00 | 47.23 | |
| | CANOPY ROOF | 2 | 7.70 | | 2.00 | 30.79 | |
| | WAREHOUSE ROOF | 1 | 21.98 | | 8.30 | 182.45 | |
| | WAREHOUSE ROOF | 1 | 21.98 | | 8.30 | 182.45 | |
| | | | | | Total | 622.03 | Sqm |

| | | | | | | | |
|----|--|---|-------|--|--------------|----------------|------------|
| 24 | Providing and fixing wind oppareted tarbo S S. ventilator system (24 inch dia.) over exsiting roof including cutting of sheet ,propar fixing in position to true line & level with all fixtures & fastning, providing 0.8mm thick FRP sheet for covering area between roof and fan so as to provide waterfoof joints with approved water proffing compound making good the roof surface including cleaning etc. complete (General application for all types of roofs for ventilation & day light parpose at terrace [As directed by Engineer in charge]. | 8 | | | | 8 | |
| | | | | | Total | 8 | Nos |
| 25 | Providing and fixing rolling shutter with 35 x 35 x 5 mm angle section fitted with sliding bolts and handles for both sides, deep M.S. channel section, including mechanical gear operation arrangement consisting of worm gear wheels and worms of high grade cast iron or mild steel and one coat of red lead primer etc. complete. (I.S. 6248-1979) (With mechanical gear). | 2 | 1.8 | | 2.500 | 9 | |
| | | | | | Total | 9 | Sqm |
| 26 | Providing and fixing in position powder coated aluminium louvered windows/ ventilator of various sizes with powder coating with 5 mm. thick sheet glass louvers etc. complete. | | | | | | |
| | FRONT SIDE | 4 | 0.6 | | 0.60 | 1.44 | |
| | | 9 | 0.6 | | 1.00 | 5.4 | |
| | BACK SIDE | 4 | 0.6 | | 0.60 | 1.44 | |
| | | 9 | 0.6 | | 1.00 | 5.4 | |
| | LEFT SIDE | 4 | 0.6 | | 0.60 | 1.44 | |
| | | 9 | 0.6 | | 1.00 | 5.4 | |
| | RIGHT SIDE | 4 | 0.6 | | 0.60 | 1.44 | |
| | | 9 | 0.6 | | 1.00 | 5.4 | |
| | | | | | Total | 27.36 | Sqm |
| 27 | Providing & fixing Mild steel Grills of approved make in various sizes with M.S. sections frame as per detailed drawing & with approved quality with two Synthetic Enamel of approved make & shade over a coat of primer etc.complete.(1.5 kg. /sq.ft.) | | | | | | |
| | FRONT SIDE | 4 | 0.6 | | 0.60 | 1.44 | |
| | | 9 | 0.6 | | 1.00 | 5.4 | |
| | BACK SIDE | 4 | 0.6 | | 0.60 | 1.44 | |
| | | 9 | 0.6 | | 1.00 | 5.4 | |
| | LEFT SIDE | 4 | 0.6 | | 0.60 | 1.44 | |
| | | 9 | 0.6 | | 1.00 | 5.4 | |
| | RIGHT SIDE | 4 | 0.6 | | 0.60 | 1.44 | |
| | | 9 | 0.6 | | 1.00 | 5.4 | |
| | | | | | Total | 27.36 | Sqm |
| 28 | Providing groove cutting 50 mm x 6 mm in cement concrete flooring etc. complete as directed. | | | | | | |
| | x direction | 7 | 14.55 | | | 103.208 | |
| | | | | | | | |
| | y direction | 5 | 21.28 | | | 106.4 | |
| | | | | | Total | 209.608 | Rmt |
| | | | | | | | |
| 29 | Providing, fabricating & erecting structural steelwork in hot rolled sections for trusses, purlins,gantry, monorial columns,cable trays,pipe racks,purlins,castallated beams, staircase & other structural members with all bracings,gusset plates etc. as per detailed drawing or as directed at all heights and levels including removing the scales & burrs,cleaning with phosphoric acid marking,cutting,fabrication,hoisting,erecting & fixing in position,making alignment of members making welded/bolted/rivettted connections etc complete. | | | | | | |

| | | | | | | | |
|----|---|------|-------|-------|--------------|-----------------|------------|
| | | | | | | | |
| | | | | | | 17.30203 | |
| | | | | | Total | 17.30203 | MT |
| | | | | | | | |
| 30 | Providing & Fixing in position M.S. ladder of 45 cms width made out 50 x 50 x 6 mm two angles for rails and M.S. angle stiffeners at three places as directed with M.S. round bars of 20 mm dia for steps @ every 30 cm c/c including fixing. | | | | | | |
| | | 1 | 1 | | 8 | 8 | |
| | | | | | Total | 8 | RMT |
| 31 | Providing & fixing lightening conductor system comprising of erecting Air termination consisting of tubular copper rod of 25 mm dia 1.2 mm thick with multiple points head 1.2 mt long [heavy duty] welded or clamped to G.I. pipe pole “ B” gr | | | | | | |
| | | | | | | 1 | |
| | | | | | | | |
| | | | | | Total | 1 | Nos |
| 32 | Providing pre-constructional Anti-termite treatment as per I.S. 6313 (Part-II) - 1973 by treating the top surface of plinth filling at the rate of 5 litres of emulsion concentrates of 0.5 percent of Hephoclore per square meter of surface. | | | | | | |
| | Floor | 1 | 21.28 | 14.55 | | 309.624 | |
| | | | | | Total | 309.624 | Sqm |
| | | | | | | | |
| 33 | PPGI Accessories | | | | | | |
| | 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 (300mm) | | | | | 22 | RMT |
| | Flashings/ Aprons.(Upto 600 mm) | | | | | 32 | RMT |
| | Barge board (Upto 300 mm) | | | | | 32 | RMT |
| | Gutter (600 mm over all girth) | 2 | 21.98 | | | 43.96 | RMT |
| 34 | Polycarbonite sheets... FOR SKYLIGHT | | | | | | |
| | Providing and fixing 2 mm thk. Polycarbonite sheets supplied by G.E. polycarbonite of approved profile including all quality fastenings,fixing with self tapping screws from Buildtex,metal washers and Neoprene / EPDM washers,matching colour caps etc.complete. | | | | | | |
| | | 1.00 | | | | 23.04 | |
| | | | | | Total | 23.04 | Sqm |
| | | | | | | | |
| 35 | Providing , laying and fixing, jointing Eco- drain 200 mm SN 4 Nu- Drain Upvc pipes or of equivalent make, manufacture as per EN 13476 or equivalent as per I.S.15328 with fittings such a bends, tees, coupler etc, jointing with rubber lubricant including necessary excavation, trench refilling with selective excavated material etc. complete. | | | | | | |
| | | 10 | 5.00 | | | 50.00 | Rmt |
| | | | | | Total | 50.00 | Rmt |
| 36 | Providing, laying and fixing, jointing Eco- drain 160 mm SN 4 Nu- Drain Upvc pipes or of equivalent make, manufacture as per EN 13476 or equivalent as per I.S.15328 with fittings such a bends, tees , coupler, etc, jointing with rubber lubricant including necessary excavation, trench refilling with selective excavated material etc. complete. | | | | | | |
| | | 16 | 10.00 | | | 160.00 | Rmt |
| | | | | | Total | 160.00 | Rmt |

| | | | | | | | |
|----|--|----|-------|--|--------------|---------------|------------|
| 37 | Providing and fixing P.V.C. Rain water pipes of 110mm outer diameter and having wall thickness of 2.2 to 2.7 mm confirming to I.S. 13592- 1992 including proper rainwater receiving recess with P.V.C. plug, bend, necessary fittings, such as, offsets, shoes, including fixing the pipe on wall using approved wooden cleats projecting 25mm to 40mm from face of wall a fixing with clips of approved quality and number, filing the joint using rubber gasket with solvent cement and properly resting the shoe of pipes on C.C. or masonry blocks, including necessary scaffolding and maintenance for 3 yrs for any leakages or dislocations of pipes. All the P.V.C. fittings and additional 2 piece socket clips shall be got approved from engineer in charge etc. complete. | | | | | | |
| | | 10 | 15.00 | | | 150.00 | Rmt |
| | | | | | Total | 150.00 | Rmt |
| 38 | Providing and constructing Brick Masonry Inspection Chamber 60cm x 45cm x 90cm including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W. pipes, Brick Masonry, plastering from inside and with frame fixed in cement concrete with R.C.C. Cover medium duty 140 kg with frame etc complete. | | | | | | |
| | | 6 | | | | 6.00 | Nos |
| | | | | | Total | 6.00 | Nos |
| | | | | | | | |