PROCUREMENT OF SMALL WORKS UNDER NATIONAL COMPETITIVE BIDDING PROCEDURES

[to be used for contracts valued less than US$ 1 million]

(One-Envelope Bidding Process without e-Procurement)

August 2018

OFFICE OF THE DIRECTOR "JORHAT AGRO PRIVATE LIMITED",
KHERAMA KACHARI GAON BORHOLLA,
JORHAT, ASSAM -785631
Mob:- 7002653598 / 6001871157
Email- jorhatspv2021@rediffmail.com

INVITATIONS FOR BIDS (IFB)
(One-Envelope Bidding Process without e-Procurement)

NATIONAL COMPETITIVE BIDDING
FOR SMALL WORKS

Bid No.: CFC/APART/01/2022 Date: 28.04.2023

1. The Government of India has received financing from the World Bank toward the cost of the Assam Agribusiness and Rural Transformation Project (APART) and intends to apply part of the proceeds toward eligible payments under the contract for construction of works as detailed below.

2. Bidding is open to all bidders from eligible source countries as defined in the *IBRD Guidelines for Procurement.* Bidders from India should, however, be registered with the Government of Assam or other State Governments/Government of India, or State/Central Government Undertakings. **Bidders are advised to note the minimum qualification criteria specified in Clause 3 of the Instructions to Bidders to qualify for the award of the contract.** In addition, please refer to paragraphs 1.6 and 1.7 of the World Bank's Guidelines setting forth the World Bank's policy on conflict of interest.

3. **The DIRECTOR, M/S "JORHAT AGRO PRIVATE LIMITED", KHERAMA KACHARI GAON BORHOLLA, JORHAT, ASSAM -785631** (the Cluster under Implementing Agency Commissioner of Industries & Commerce, Govt. of Assam) invites sealed bids for the construction of works detailed below in the table. The bidders may submit bids for all of the works indicated therein.

4. Bidding documents (and additional copies) may be purchased from the office of O/o The General Manager, District Industries & Commerce Centre (DI&CC), Cinamara, Jorhat from **29th April 2023, 10.00 AM to 29th May 2023, 05.00 PM** for a non-refundable fee (three sets) as indicated, in the form of cash or Demand Draft on any Scheduled bank payable at **Central bank Of India, Garalai Branch,Jorhat** in favour of "M/s JORHAT AGRO PRIVATE LIMITED". Interested bidders may obtain further information at the same address. Bidding documents requested by mail will be dispatched by courier/registered/speed post on payment of an extra amount of Rs 500. The "M/s JORHAT AGRO PRIVATE LIMITED" will not be held responsible for the postal delay if any, in the delivery of the documents or non-receipt of the same.

5. Bids must be accompanied by a bid security of the amount specified for the work in the table below, drawn in favour of "M/s JORHAT AGRO PRIVATE LIMITED",. Bid security will have to be in any one of the forms as specified in the bidding document and shall have to be valid for 45 days beyond the validity of the bid. Bids should be valid for 45 days after the deadline date specified for submission.

6. Bids must be delivered to O/o The General Manager, District Industries & Commerce Centre (DI&CC), Cinamara, Jorhat on or before 02.00 PM on 30th May 2023 and will be publicly opened on the same day i.e. 30th May 2023 at 02.30 PM, in the presence of the bidders who wish to attend. If the office happens to be closed on the date of receipt of the bids as specified, the bids will be received and opened on the next working day at the same time and venue.

6. Other details can be seen in the bidding documents.

TABLE

Package No.	**Name of work**	**Bid Security (Rs.)**	**Cost of document (Rs.)**	**Period of completion**
APART/CDTA/ CFC/ JORHAT/01/2022-23	CONSTRUCTION OF PREMIUM RAW RICE PROCESSING CENTER, CHURAMONI GAON, TEOK, JORHAT	2.91 Lakhs	1,000/- (Including GST)	6 Month Including rainy season

Director

Name: "M/s JORHAT AGRO PRIVATE LIMITED"

Address: KHERAMA KACHARI GAON BORHOLLA
JORHAT, ASSAM -785631
Tel. No: 7002653598 / 6001871157

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Instructions to Bidders

SECTION - A

1. Scope of Works

The DIRECTOR, M/S "JORHAT AGRO PRIVATE LIMITED", JORHAT, ASSAM -785631 invites bids for the construction of works as detailed in the table given below

Brief Description of the Works	Approximate value of Works (Rs.)	Period of Completion
CONSTRUCTION OF PREMIUM RAW RICE PROCESSING CENTER, CHURAMONI GAON, TEOK, JORHAT	291 Lakhs	6 MONTHS Including rainy season

The successful bidder will be expected to complete the works by the intended completion date specified above.

2. Qualification of the bidder: The bidder shall provide qualification information which shall include: -

a) total monetary value of construction works performed for each year of the last 3 years; 2019-20, 2020-21 & 2021-22

b) Report on his financial standing i.e., Audited financial statements of last three years 2019-20, 2020-21 & 2021-22; and

c) Details of any litigation, current or during the last 3 years in which the bidder is involved, the parties concerned and disputed amount or awards in each case.

3. To qualify for award of the contract, the bidder: -

(a) should have satisfactorily completed as a prime contractor at least one similar work of value not less than **Rs 2.32 crore** in the last three years;

(b) should have achieved in at least one year an annual financial turnover (in civil engineering construction works of similar nature only) of value not less than **Rs 2.91 Crore** @ in the last three years;

(c)* should possess valid electrical license for executing building electrification works (in the event of the works being sub - contracted, the sub-contractor should have the necessary license);

(d)* should possess required valid license for executing the water supply/sanitary works (in the event of the works being sub-contracted, the sub-contractor should have the necessary license);

(e) should not have been debarred (or dealings suspended) on the date of bid opening by the Central/State Governments/undertakings or by the World Bank Group.

(f) no contract should have been suspended or terminated and/or performance security called by an employer(s) for reasons related to Environmental, Social, Health, or Safety (ESHS) performance in the past five years.

(g) availability of liquid assets and/or credit facilities, net of other contractual commitments and exclusive of any advance payments which may be made under the Contract, of not less than **Rs 88 Lakhs.**

(## Credit lines/letter of credit/certificates from Banks for meeting the funds requirement etc.- usually the equivalent of the estimated cash flow for 3 months in peak construction period)

3.1 Eligibility - Conflict of Interest*

Any Bidder found to have a conflict of interest shall be disqualified. A Bidder may be considered to have a conflict of interest for the purpose of this bidding process, if the Bidder:

i. directly or indirectly controls, is controlled by or is under common control with another Bidder; or

ii. receives or has received any direct or indirect subsidy from another Bidder; or

iii. has the same legal representative as another Bidder; or

iv. has a relationship with another Bidder, directly or through common third parties, that puts it in a position to influence the bid of another Bidder, or influence the decisions of the Employer regarding this bidding process; or

v. any of its affiliates has been hired (or is proposed to be hired) by the Employer or Borrower as Engineer for the Contract implementation;

vi. has a close business or family relationship with the concerned professional staff of the project implementing agency.

(* for further details refer to Procurement Guidelines Clauses 1.6 to 1.8)

4. **Bid Price**

a) The contract shall be for the whole works as described in drawings and technical specifications. Corrections, if any, shall be made by crossing out, initialing, dating, and rewriting.

b) All duties, taxes and other levies payable by the contractor under the contract shall be included in the total price.

c) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.

d) The Bidder shall fill in the prices for the Works in conformity with the Bidding Documents, both in figures and words.

5. Submission of Bids

5.1 The bidder is advised to visit the site of works at his own expense and obtain all information that may be necessary for preparing the bid.

5.2 Each bidder shall submit only one bid. Bidders should not contact other competing bidders in matters relating to this bid.

5.3 The set of bidding documents comprise of the following:

i. Layout Drawings of the works;

ii. Structural Details;

iii. Technical Specifications;

iv. Instructions to Bidders; and

v. Draft Contract Agreement format which will be used for finalizing the agreement for this Contract.

5.4 Bidder requiring any clarification of the Bidding Documents may request the Employer in writing**.** Response of the Employer including a description of the inquiry, but without identifying its source, shall be forwarded to all purchasers of the bidding documents.

5.5 The bid submitted by the bidder shall comprise the following: -

(a) Bid in the format given in Section B.

(b) Qualification information form given in Section B duly completed.

(c) Bidder's confirmation to comply with (i) the applicable Laws/ Rules/ Regulations for protection of environment, public health and safety; (ii) the regulatory authority conditions (if any) attached to any permits or approvals for the project; and (iii) the Environmental,

Social, Health and Safety (ESHS) Management Strategies and Implementation Plan and ESHS Code of Conduct, (if any prescribed by the Employer[1]), that will apply to its employees and all subcontractors.

(d) Bid Security, in original form for the amount Rs 2.91 Lakhs, in one of the following forms:

- A bank guarantee issued by a nationalized/scheduled bank located in India in the form given in Section B; or
- Certified cheque or Bank draft payable to Central Bank Of India, Garali Branch.
- Fixed Deposit/Time Deposit certificates issued by a Nationalized or Scheduled Bank located in India for equivalent or higher values are acceptable provided it is pledged in favour of "M/s JORHAT AGRO PRIVATE LIMITED", and such pledging has been noted and suitably endorsed by the bank issuing the deposit certificate**.**

(** insert suitable amount usually between 1 to 3% of estimated value of works)

5.6 The bidder shall seal the bid in an envelope addressed to
The DIRECTOR,
M/S "JORHAT AGRO PRIVATE LIMITED",
KHERAMA KACHARI GAON BORHOLLA, JORHAT, ASSAM -785631
The envelope will also bear the following identification: -

- **Bid for CONSTRUCTION OF PREMIUM RAW RICE PROCESSING CENTER, CHURAMONI GAON, TEOK, JORHAT ASSAM.**
- **Do not open before 02.30 HOURS AND 30th May 2023**

5.7 Bids must be received in the office of the O/o The General Manager, District Industries & Commerce Centre (DI&CC),Cinamara, Jorhat not later than the time and date given in the Invitation for Bids. If the specified date is declared a holiday, bids shall be received upto the appointed time on the next working day.

5.8 Any bid received by the "M/s JORHAT AGRO PRIVATE LIMITED" after the deadline for submission of bids will be rejected and returned unopened to the bidder.

6. Validity of Bid

Bid shall remain valid for a period not less than 60 days after the deadline date specified for submission. If a Bidder withdraws/modifies/substitutes its bid during the period of bid validity specified by the Bidder on the Letter of Bid, the Bid Security may be forfeited.

[1] If considered necessary, the Employer may attach minimum requirements for ESHS Management Strategies and Implementation Plans and ESHS Code of Conduct.

7. Public Opening of Bids

Bids will be publicly opened in the presence of bidders or their representatives who choose to attend on the date and time and at the place specified in sub-clause 5.7 above.

8. **Information** relating to evaluation of bids and recommendations for the award of contract shall not be disclosed to bidders or any other persons not officially concerned with the process until the award to the successful bidder is announced.

9. Evaluation of Bids

9.1 Correction of Arithmetical Errors

Bids determined to be substantially responsive shall be checked for any arithmetic errors. Errors shall be corrected as follows:

- where there is a discrepancy between the amounts in figures and in words, the amount in words shall govern;

The amount stated in the Bid shall be adjusted in accordance with the above procedure for the correction of errors

If the Bidder does not accept the corrected amount, the Bid shall be rejected, and the Bid Security may be forfeited.

9.2 The Employer will evaluate and compare the bids determined to be substantially responsive i.e. which

(a) meet the qualification criteria specified in clause 3 above;

(b) are properly signed; and

(c) conform to the terms and conditions, specifications and drawings without material deviations.

10. Award of contract

The Employer will award the contract to the bidder whose bid has been determined to be substantially responsive and who has offered the lowest evaluated bid price and who meets the specified qualification criteria.

10.1 Notwithstanding the above, the Employer reserves the right to accept or reject any bids and to cancel the bidding process and reject all bids at any time prior to the award of contract.

10.2 The bidder whose bid is accepted will be notified of the award of contract by the Employer prior to expiration of the bid validity period.

10.3 The Bid security of unsuccessful bidders will be returned as promptly as possible upon the successful Bidder's signing the contract and furnishing the performance security pursuant to ITB 11.

11. Performance Security

Within 15 days of receiving letter of acceptance, the successful bidder shall deliver to **THE DIRECTOR, M/S "JORHAT AGRO PRIVATE LIMITED" KHERAMA KACHARI GAON BORHOLLA, JORHAT, ASSAM -785631**,the performance security (either a bank guarantee or a bank draft in favour of **the M/S "JORHAT AGRO PRIVATE LIMITED", KHERAMA KACHARI GAON BORHOLLA, JORHAT, ASSAM - 785631** for an amount equivalent of 5% of the contract price. The Performance Security shall be valid until a date 28 days after the date of issue of the Certificate of Completion. Failure of the successful Bidder to furnish performance security and signing the agreement within the period stipulated shall constitute sufficient grounds for annulment of award and forfeiture of the Bid Security, in which case the Employer may make the award to the next lowest evaluated bidder or call for new bids.

12. Defects Liability:

The "Defects Liability Period" for the work is six months from the date of taking over possession or one full monsoon season whichever occurs later. During this period, the contractor will be responsible for rectifying any defects in construction free of cost to the Employer.

13. Supply of all construction materials including cement and steel as per the specifications (ISI certification marked goods wherever available) shall be the responsibility of the contractor.

14. Corrupt and Fraudulent Practices

The World Bank requires compliance with its policy in regard to corrupt and fraudulent practices as set forth in Section C. In further pursuance of this policy, Bidders shall permit and shall cause its agents (whether declared or not), sub-contractors, sub-consultants, service providers, or suppliers and any personnel thereof, to permit the Bank to inspect all accounts, records and other documents relating to any prequalification process, bid submission, and contract performance (in the case of award), and to have them audited by auditors appointed by the Bank.

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SECTION - B

1. **Format for Qualification Information.**
2. **Format for Submission of Bid.**
3. **Format of Letter of Acceptance.**

QUALIFICATION INFORMATION

1 For Individual Bidders

1.1 Principal place of business: _____

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

1.2 Total value of Civil** Engineering construction work performed in the last three years (in Rs. Lakhs)

2019-20 _____
2020-21 _____
2021-22 _____

1.3 Work performed as prime contractor (in the same name) on works of a similar nature over the last three years.

Project Name	**Name of Employer**	**Description of work**	**Contract No.**	**Value of contract (Rs. Lakhs)**	**Date of issue of work order**	**Stipulated period of completion**	**Actual date of completion**	**Remarks explaining reasons for delay and work completed**

Existing commitments and on-going works:

Description of Work **(1)**	**Place & State** **(2)**	**Contract No. & Date** **(3)**	**Value of Contract (Rs. Lakh)** **(4)**	**Stipulated period of completion** **(5)**	**Value of works* remaining to be completed (Rs. Lakhs)** **(6)**	**Anticipated date of completion** **(7)**

* Enclose a certificate from Engineer concerned.
** Modify as appropriate.

1.4 Proposed subcontracts and firms involved.

Sections of the works	Value of Sub-contract	Sub-contractor (name & address)	Experience in similar work

1.5 Evidence of access to financial resources to meet the requirement of working capital: cash in hand, lines of credit, etc. List them below and attach copies of supporting documents.

1.6 Name, address, and telephone, telex, and fax numbers of the Bidders' bankers who may provide references if contacted by the Employer.

1.7 Information on litigation history in which the Bidder is involved.

Other party(ies)	Employer	Cause of dispute	Amount involved	Remarks showing present status

1.8 Contract(s) suspended or terminated and/or Performance Security called by an employer(s) for reasons related to Environmental, Social, Health, or Safety (ESHS) performance during the last five years.

Contract(s) suspended or terminated by an Employer(s)			
Year	Contract Identification, Name and address of the Employer, and reasons for suspension or termination	Amount of suspended or terminated portion of contract (Rs)	Total Contract Amount (Rs)
Performance Security called by an employer(s)			
Year	Contract Identification, Name and address of the Employer, and reasons for calling of performance security		Total Contract Amount (Rs)

LETTER OF BID

Description of the Works: **CONSTRUCTION OF PREMIUM RAW RICE PROCESSING CENTER, CHURAMONI GAON, TEOK, JORHAT, ASSAM.**

Date: ……
Invitation for Bid No.: …….

To:

Subject : Construction of .....
.....

Sir,
We have no reservations to the Bidding Documents, and offer to execute the Works in conformity with the Bidding Documents in accordance with the Conditions of Contract enclosed therein at a total Fixed Contract Price of –

Rs.** _____ [in figures]
Rs. _____ [in words].

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

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery or collusive arrangements with competitors.

We also undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India on date namely "Prevention of Corruption Act 1988."

We hereby confirm that this bid is valid for 45 days as required in Clause 6 of the Instructions to Bidders.

We meet the eligibility requirements and have no conflict of interest in accordance with ITB 3.1

We have not been debarred/removed from approved list (dealings suspended) by the Central or any State Government or by the World Bank Group.

Yours faithfully,

Authorized Signature : Date: _____

Name & Title of Signatory : _____
Name of Bidder : _____

Address : _____

** To be filled in by the Bidder, together with his particulars and date of submission at the bottom of this Form.

LETTER OF ACCEPTANCE
CUM NOTICE TO PROCEED WITH THE WORK

(LETTERHEAD OF THE EMPLOYER)

Dated: _____

To : _____ [Name and address of the Contractor]
_____
_____
_____
_____

Dear Sirs,

This is to notify you that your Bid dated _____ for execution of the _____ for the contract price of Rupees _____ [amount in words and figures], is hereby accepted by us.

You are hereby requested to furnish performance security for an amount of Rs. _____ (equivalent to 5% of the contract price) within 15 days of the receipt of the letter. The Performance Security in the form of Bank guarantee or a Bank draft in favour of .....(Employer) shall be valid until a date 28 days after the date of issue of the Certificate of Completion i.e. upto _____. Failure to furnish the Performance Security will entail cancellation of the award of contract.

You are also requested to sign the agreement form and proceed with the work not later than _____ under the instructions of the Engineer, _____ and ensure its completion within the contract period.

With the issuance of this acceptance letter and your furnishing the Performance Security, contract for the above said work stands concluded.

Yours faithfully,

Authorized Signature
Name and title of Signatory

Draft Agreement form for Construction through Lump Sum Contract

ARTICLES OF AGREEMENT

1. This deed of agreement is made in the form of agreement on _____ day _____ month _____ 20 ___, between the _____ (Employer) or his authorized representative (hereinafter referred to as the first party) and _____ (Name of the Contractor), S/O _____ resident of _____ (hereinafter referred to as the second party), to execute the work of construction of _____ (hereinafter referred to as works) on the following terms and conditions.

2. Cost of the Contract

The total cost of the works (hereinafter referred to as the "total cost") is Rs. ____ as reflected in Annexure - 1.

3.1 Payments under the contract:

Payments to the second party for the construction work will be released by the first party in the following manner:-

SL No	Description of Payment Milestones	Percentage of Payment to be released
1.	On signing of agreement	10% of the contract price on receipt of unconditional bank guarantee in the format attached
2.	On completion of complete foundation work of all structures and reaching plinth level	10% of the contract price
3.	On completion of all RCC super- structure works including Columns, lintels and Roof beam, RCC flooring/ Roof Slab wherever applicable. On completion of all brick masonry work including external and internal brick walls, (internal and external plastering, On completion of all external development works (like Boundary wall, Gate Complex, Internal roads, drains	40% of the contract price
4.	On complete fabrication and erection of all steel structure works (including truss, purlins, roofing, wall cladding, etc), putty work, coloring work, fixing of all door, window, rolling shutter, ventilators, etc.,	20% of the contract price
5.	On completion of all Finishing Work including Coloring, Fixing of Electrical fittings & fixtures , street lights, Fire fighting, Plumbing etc.), On completion of any other remaining work and handover of entire project.	20% of the contract price

3.2 The advance shall be repaid with percentage deductions from the interim payments, commencing with the next Interim Payment at the rate of 15_percent of the amounts of all Interim Payment Certificates until the advance has been repaid, always provided that the advance shall be completely repaid prior to the expiry of the original time for completion.

@ The Guarantee shall remain effective until the advance payment has been repaid

3.3 The Employer shall retain (Retention Money) 6% of the amount from each payment due to the Contractor subject to the maximum of 5% of final contract price. Half of the amount retained shall be repaid upon completion of the works, and other half shall be repaid when the Defects Liability Period has passed, and the Engineer has certified that all Defects notified to the Contractor before the end of this period have been corrected. On completion of the whole works the Contractor may substitute the balance retention money with an "on demand" Bank guarantee.

3.4 Payments at each stage will be made by the first party:

(a) on the second party submitting an invoice for an equivalent amount;

(b) on certification of the invoice (except for the first installment) by the engineer nominated by the first party with respect to quality of works in the format in Annexure - 2; and

(c) upon proper and justified utilization of at least 50 % of the previous installment and 100 % of any prior installment.

4. Notice by Contractor to Engineer

The second party, on the works reaching each stage of construction, shall issue a notice to the first party or the Engineer nominated by the first party [who is responsible for supervising the contractor, administering the contract, certifying payments due to the contractor, issuing and valuing variations to the contract, awarding extension of time etc.) to visit the site for certification of stage completion. Within 15 days of the receipt of such notice, the first party or the engineer nominated by it, will ensure issue of stage completion certificate after due verification.

5. Completion time

The works should be completed in 6 months from the date of this Agreement. In exceptional circumstances, the time period stated in this clause may be extended in writing by mutual consent of both the parties.

6. If any of the compensation events mentioned below would prevent the work being completed by the intended completion date, the first party will decide on the intended completion date being extended by a suitable period:

a) The first party does not give access to the site or a part thereof by the agreed period.

b) The first party orders a delay or does not issue completed drawings, specifications or instructions for execution of the work on time.

c) Ground conditions are substantially more adverse than could reasonably have been assumed before issue of letter of acceptance and from information provided to second party or from visual inspection of the site.

d) Payments due to the second party are delayed without reason.

e) Certification for stage completion of the work is delayed unreasonably.

7. Any willful delay on the part of the second party in completing the construction within the stipulated period will render him liable to pay liquidated damages. @ Rs. 5,500/- per day which will be deducted from payments due to him. The first party may cancel the contract and take recourse to such other action as deemed appropriate once the total amount of liquidated damages exceeds 5 % of the contract amount.

8. Duties and responsibilities of the first party

8.1 The first party shall be responsible for providing regular and frequent supervision and guidance to the second party for carrying out the works as per specifications. This will include written guidelines and regular site visit of the authorized personnel of the first party, for checking quality of material and construction to ensure that it is as per the norms.

8.2 The first party shall supply 3 sets of drawings, specifications and guidelines to the second party for the proposed works.

8.3 Possession of the site will be handed over to the second party within 10 days of signing of the agreement.

8.4 The Engineer or such other person as may be authorized by the first party shall hold meeting once in a month where the second party or his representative at site will submit the latest information including progress report and difficulties if any, in the execution of the work. The whole team may jointly inspect the site on a particular day to take stock of activities.

8.5 The Engineer shall record his observations/instructions at the time of his site visit in a site register maintained by the second party. The second party will carry out the instructions and promptly rectify any deviations pointed out by the engineer. If the deviations are not rectified, within the time specified in the Engineer's notice, the first party as well as the engineer nominated by it, may instruct stoppage or suspension of the construction. It shall thereupon be open to the first party or the engineer to have the deviations rectified at the cost of the second party.

8.6 The Engineer shall issue a Certificate of Completion of the Works on the request of the second party, and upon deciding that the whole of the Works is completed.

9. Duties and responsibilities of the second party

9.1 The second party shall:

a) take up the works and arrange for its completion within the time period stipulated in clause 5;

b) employ suitable skilled persons to carry out the works;

c) regularly supervise and monitor the progress of work;

d) abide by the technical suggestions/ direction of supervisory personnel including engineers etc. regarding building construction;

e) be responsible for bringing any discrepancy to the notice of the representative of the first party and seek necessary clarification;

f) ensure that the work is carried out in accordance with specifications, drawings and within the total of the contract amount without any cost escalation;

g) keep the first party informed about the progress of work;

h) correct the notified defects within the length of time specified by the Engineer;

i) be responsible for all security and watch and ward arrangements at site till handing over of the building to the first party;

j) maintain necessary insurance against loss of materials/cash, etc. or workman disability compensation claims of the personnel deployed on the works as well as third party claims from the start date to the end of defect liability period;

k) pay all duties, taxes and other levies payable by construction agencies as per law under the contract (First party will effect deduction from running bills in respect of such taxes as may be imposed under the law);

l) abide by the regulatory authority conditions (if any) attached to any permits or approvals for the project; and the ESHS Management Strategies and Implementation Plan and ESHS Code of Conduct, if any prescribed by the Employer;

m) abide by all labour enactments and rules made there under, regulations, notifications and bye laws of the State or Central Government or local authorities;

n) abide by all enactments on environmental protection and rules made there under, regulations, notifications and by-laws of the Sate or Central Government, or local authorities;

o) be responsible for the safety of all activities on the Site.

10. Variations / Extra Items

The works shall be executed by the second party in accordance with the approved drawings and specifications. No variation in cost is acceptable. However, if the Engineer issues instructions for execution of extra items, the following procedure shall be followed:-

a) The second party shall provide the Engineer with a bid for carrying out the extra items when requested to do so by the Engineer. The Engineer shall assess the bid, which shall be given within seven days of the request before the extra items are ordered.

b) If the bid given by the second party is unreasonable, the Engineer may order the extra items and make a change to the Contract Price which shall be based on Engineer's own forecast of the effects of the extra items on the Contractor's costs.

c) The second party shall not be entitled to additional payment for costs, which could have been avoided by giving early warning.

11. Securities

The Performance Security shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and by a bank or surety acceptable to the Employer. The Performance Security shall be valid until a date 28 days from the date of issue of the Certificate of Completion in the case of a Bank Guarantee.

12. Termination

12.1 The Employer may terminate the Contract if the other party causes a fundamental breach of the Contract.

12.2 Fundamental breaches of Contract include, but shall not be limited to the following:

(a) the contractor stops work for 28 days and the stoppage has not been authorized by the Engineer;

(b) the Contractor has become bankrupt or goes into liquidation other than for a reconstruction or amalgamation;

(c) the Engineer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Engineer;

(d) the Contractor does not maintain a security which is required;

(e) the Contractor has engaged in corrupt, fraudulent, collusive, coercive or obstructive practices, in competing for or in executing the Contract; and

(f) the contractor has delayed the completion of the Works by the number of days for which the maximum amount of liquidated damages can be paid

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

12.4 If the Contract is terminated, the Contractor shall stop work immediately, make the Site safe and secure and leave the Site as soon as reasonably possible.

13. Payment upon Termination

13.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Engineer shall issue a certificate for the value of the work done less advance payments received up to the date of the issue of the certificate, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law.

13.2 If the Contract is terminated at the Employer's convenience, the Engineer shall issue a certificate for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works and less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract and less taxes due to be deducted at source as per applicable law.

14. Dispute settlement

If over the works, any dispute arises between the two parties, relating to any aspects of this Agreement, the parties shall first attempt to settle the dispute through mutual and amicable consultation.

In the event of agreement not being reached, the matter will be referred for arbitration by a Sole Arbitrator not below the level of retired Chief Engineer / Superintending Engineer, (not connected in part or whole with this Project in his service) to be appointed by the first party. The Arbitration will be conducted in accordance with the Arbitration and Conciliation Act, 1996. The decision of the Arbitrator shall be final and binding on both the parties.

15. Corrupt and Fraudulent Practices

The World Bank requires compliance with its policy in regard to corrupt and fraudulent practices as set forth in Section C. In further pursuance of this policy, Bidders shall permit and shall cause its agents (whether declared or not), sub-contractors, sub-consultants, service providers, or suppliers and any personnel thereof, to permit the Bank to inspect all accounts, records and other documents relating to any prequalification process, bid submission, and contract performance (in the case of award), and to have them audited by auditors appointed by the Bank.

Annexure I

BILL OF QUANTITIES

The approximate Bill of Quantities is indicated below to give an idea of the work which should be executed in accordance with the approved drawings and specifications to enable the bidder to furnish the lump sum price. Bidders may, however, note that no variations in the lump sum cost is acceptable (except where extra items are ordered by the Engineer).

NAME OF PROJECT :- JORHAT AGRO PRIVATE LIMITED						
CIVIL ESTIMATE						
MILLING SECTION						
	Item Description	**Unit**	**Qty**	**Rate in INR**		**Amount**
				In figures	**In words**	
(A)	**SCHEDULE -1 EARTHWORK IN EXCAVATION**					
2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.					
2.8.1	All Kind of Soil	Cum	359			
2.25(a)-SOR	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.					
	All Kinds of Soil	Cum	1004			
	POST CONSTRUCTION ANTI - TERMITE TREATMENT					
2.35.1.1	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300mm including excavation channel along the wall & rodding etc. complete:					
	With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration	m	250			

2.34	Supplying chemical emulsion in sealed containers including delivery as specified.	ltr				
2.34.1	Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	ltr	435.00			
(B)	**SCHEDULE - 2 PLAIN CEMENT CONCRETE WORKS**					
4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	104			
4.11	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20mm nominal size derived from natural sources).	Sq.m	39			
(C)	**SCHEDULE - 3 REINFORCED CEMENT CONCRETE WORKS**					
5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :					
5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	101			
5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :					
5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	9			
	REINFORCEMENT					
5.22/5.22 A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level and above plinth level					
5.22.6/5.22.6A	Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	14450			
(D)	**SHUTTERING (FORMWORK)**					
5.9	Centering and shuttering including strutting, propping etc. and removal of form for					
5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	387.70			

5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	198.30			
(E)	**SCHEDULE - 5 BRICKWORK**					
6.3	Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) :					
6.3.2	With Modular bricks	Cum	68			
(F)	**SCHEDULE-6 CEMENT CONCRETE FLOORING**					
4/4.1 (ii) APWD Roads SOR 21	Construction of granular sub-base by providing well graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification. For Grading II Material	Cum	126			
5.33	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. **Note:** Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.					
5.33.1.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	105.00			
4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	Sqm	77.00			
(G)	**SCHEDULE-7 PLASTERING**					
13.1.1	12 mm cement plaster of mix :					
	1:4 (1 cement: 4 fine sand)	Sqm	666			

13.2.1	15 mm cement plaster on the rough side of single or half brick wall of mix :					
	1:4 (1 cement: 4 fine sand)	Sqm	295			
	Painting:					
13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	961			
13.48	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications					
13.48.1	Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr /10 sqm:	Sqm	980			
13.5	Applying priming coat:					
13.50.3	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	Sqm	250			
13.92	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :	Sqm	100			
(H)	**SCHEDULE-8 STEEL WORKS**					
10.1	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	kg	21637.00			
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.	kg	21637.00			
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 metre or as desired by Engineerin-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.	Sqm	1829.00			

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 :					
12.51.1	Ridges plain (500 - 600mm)	metre	43.00			
12.51.2	Flashings/ Aprons.(Upto 600 mm)	metre	55.00			
12.51.6	Gutter (600 mm over all girth)	metre	48.00			
12.51.4	Barge board (Upto 300 mm)	metre	25.00			
Non Schedule Item	Supplying, fitting and fixing in position turbo ventilator of Nylon made Typhonic bearing, double top cap ensured permanent alignment in inverted cap design, corrugated foil framed of aluminium fabrication for wind driven having wind velocity 1950 exhauster of effective throatal Dia 24 inch and overall Dia of 31 inch having over all height 19 inch as specified and directed by the Engineer- In- Charge, all complete	nos	10.00			
(J)	**SCHEDULE-10 DOORS & WINDOW**					
21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :					
21.1.1.2	For fixed portion - Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	222			
21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)					
21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	222			

21.2	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade l Type ll, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-charge.					
21.2.1	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side	Sqm	12			
21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item)					
21.3.2	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	Sqm	52.00			
21.8.1	Filling the gap in between aluminium frame & adjacent RCC/ Brick/Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. Upto 5mm depth and 5 mm width	metre	222			
10.6	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.					
10.6.1	80x1.25 mm M.S. laths with 1.25 mm thick top cover	Sq.m.	27			
10.7	Providing and fixing ball bearing for rolling shutters.	each	20			
10.8.1	Extra for providing mechanical device chain and crank operation for operating rolling shutters. Exceeding 10.00 sqm and upto 16.80 sqm in the area	Sq.m.	27			
	ALUMINIUM FITTINGS					
9.96.2	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : 250x16 mm	each	10			

9.97.2	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :250x10 mm	each	10			
9.100.1	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 125 mm	each	10			
9.98	Providing and fixing aluminium pull bolt lock, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws bolts, nut and washers etc. complete.	each	50			
9.95.5	Providing and fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 100x63x3.2 mm	each	100			

NAME OF PROJECT :- JORHAT AGRO PRIVATE LIMITED						
CIVIL ESTIMATE						
PADDY GODOWN						
	Item Description	**Unit**	**Qty**	**Rate in INR**		**Amount**
				In figure	**In words**	
(A)	SCHEDULE -1 EARTHWORK IN EXCAVATION					
2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.					
2.8.1	All Kind of Soil	Cum	182			
2.25(a)-SOR	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.					
	All Kinds of Soil	Cum	336			
	POST CONSTRUCTION ANTI - TERMITE TREATMENT					

2.35.1.1	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300mm including excavation channel along the wall & rodding etc. complete:					
	With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration	metre	100			
2.34	Supplying chemical emulsion in sealed containers including delivery as specified.	ltr				
2.34.1	Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	ltr	750			
(B)	**SCHEDULE - 2 PLAIN CEMENT CONCRETE WORKS**					
4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources :8 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	38			
4.11	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20mm nominal size derived from natural sources).	Sq.m	22			
(C)	**SCHEDULE - 3 REINFORCED CEMENT CONCRETE WORKS**					
5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :					
5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	50			
5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :					
5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	5			
	REINFORCEMENT					

5.22/5.22 A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level and above plinth level					
5.22.6/5.22.6A	Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	9525			
(D)	**SCHEDULE-4 SHUTTERING (FORMWORK)**					
5.9	Centering and shuttering including strutting, propping etc. and removal of form for					
5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	168.18			
5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	123.82			
(E)	**SCHEDULE - 5 BRICKWORK**					
6.3	Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) :					
6.3.2	With Modular bricks	Cum	42			
(F)	**SCHEDULE-6 CEMENT CONCRETE FLOORING**					
4/4.1 (ii) APWD Roads SOR 21	Construction of granular sub-base by providing well graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification. For Grading II Material	Sqm	42			

5.33	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement.					
5.33.1.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	35			
4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	Sqm	54			
(G)	**SCHEDULE-7 PLASTERING**					
13.1.1	12 mm cement plaster of mix :					
	1:4 (1 cement: 4 fine sand)	Sqm	219.00			
13.2.1	15 mm cement plaster on the rough side of single or half brick wall of mix :					
	1:4 (1 cement: 4 fine sand)	Sqm	161			
	Painting:					
13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	380.00			
13.48	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications					

13.48.1	Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr /10 sqm:	Sqm	603			
13.5	Applying priming coat:					
13.50.3	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	Sqm	500			
13.92	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :	Sqm	100			
(H)	**SCHEDULE-8 STEEL WORKS**					
10.1	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	kg	11322.70			
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.	kg	11322.70			
12.5	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 metre or as desired by Engineerin-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.	Sqm	421.00			
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	metre				

	side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :					
12.51.1	Ridges plain (500 - 600mm)	metre	30.00			
12.51.2	Flashings/ Aprons.(Upto 600 mm)	metre	45.00			
12.51.6	Gutter (600 mm over all girth)	metre	60.00			
12.51.4	Barge board (Upto 300 mm)	metre	35.00			
Non Schedule Item	Supplying, fitting and fixing in position turbo ventilator of Nylon made Typhonic bearing, double top cap ensured permanent alignment in inverted cap design, corrugated foil framed of aluminium fabrication for wind driven having wind velocity 1950 exhauster of effective throatal Dia 24 inch and overall Dia of 31 inch having over all height 19 inch as specified and directed by the Engineer- In- Charge, all complete	nos	10.00			
(J)	**SCHEDULE-10 DOORS & WINDOW**					
21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :					
21.1.1.2	For fixed portion - Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	46			
21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)					
21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	46			

21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item)					
21.3.2	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	Sqm	13.00			
21.8.1	Filling the gap in between aluminium frame & adjacent RCC/ Brick/Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. Upto 5mm depth and 5 mm width	metre	46			
10.6	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.					
10.6.1	80x1.25 mm M.S. laths with 1.25 mm thick top cover	Sqm	18			
10.7	Providing and fixing ball bearing for rolling shutters.	each	10			
10.8.1	Extra for providing mechanical device chain and crank operation for operating rolling shutters. Exceeding 10.00 sqm and upto 16.80 sqm in the area	Sqm	18			
	ALUMINIUM FITTINGS					
9.96.2	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : 250x16 mm	each	1			
9.97.2	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :250x10 mm	each	1			
9.100.1	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 125 mm	each	1			

9.98	Providing and fixing aluminium pull bolt lock, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws bolts, nut and washers etc. complete.	each	15			
9.95.5	Providing and fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 100x63x3.2 mm	each	56			

NAME OF PROJECT :- JORHAT AGRO PRIVATE LIMITED						
CIVIL ESTIMATE						
ADMIN BLOCK						
	Item Description	**Unit**	**Qty**	**Rate in INR**		**Amount**
				In figure	**In words**	
(A)	SCHEDULE -1 EARTHWORK IN EXCAVATION					
2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.					
2.8.1	All Kind of Soil	Cum	58			
2.25(a)-SOR	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.					
	All Kinds of Soil	Cum	57			
	POST CONSTRUCTION ANTI - TERMITE TREATMENT					
2.35.1.1	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300mm including excavation channel along the wall & rodding etc. complete:					
	With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration	metre	30			

2.34	Supplying chemical emulsion in sealed containers including delivery as specified.	ltr				
2.34.1	Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	ltr	225			
(B)	**SCHEDULE - 2 PLAIN CEMENT CONCRETE WORKS**					
4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources:8 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	10			
4.11	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20mm nominal size derived from natural sources).	Sqm	9			
(C)	**SCHEDULE - 3 REINFORCED CEMENT CONCRETE WORKS**					
5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :					
5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	7			
5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :					
5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	13			
	REINFORCEMENT					
5.22/5.22 A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level and above plinth level					
5.22.6/5.22.6A	Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	3500			
(D)	**SCHEDULE - 4 SHUTTERING (FORMWORK)**					
5.9	Centering and shuttering including strutting, propping etc. and removal of form for					
5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	33.7			

5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	106.3			
(E)	**SCHEDULE - 5 BRICKWORK**					
6.3	Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) :					
6.3.2	With Modular bricks	Cum	23			
6.12.2	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in : cement mortar 1:4 (1 cement : 4 coarse sand)	Sqm	6			
(F)	**SCHEDULE-6 CEMENT CONCRETE FLOORING**					
11.1.2	Brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks: 1:6 (1cement : 6 coarse sand)	Sqm	42			
11.3.1	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate	Sqm	42			
(G)	**SCHEDULE-7 PLASTERING**					
13.1.1	12 mm cement plaster of mix :					
	1:4 (1 cement: 4 fine sand)	Sqm	168			
13.2.1	15 mm cement plaster on the rough side of single or half brick wall of mix :					
	1:4 (1 cement: 4 fine sand)	Sqm	72			
(H)	**Painting:**					
13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	240			
13.48.1	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications : Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr /10 sqm:	Sqm	240			
(I)	**CERAMIC TILES**					

11.44	Crazy ceramic tile flooring, with under layer 12 mm thick cement mortar 1:4 (1 cement: 4 coarse sand), with joints not exceeding 5 mm, including filling the gaps with ordinary cement mixture & mixing with synthetic polyester fibre, triangular in shape having specific gravity of 1.34 to 1.40, cross section size ranging from 10 to 40 micron & length upto 6 mm , mixing fibre @ 125 grams per 50 kg of cement in cement mortar, including providing and mixing water proofing material in mortar @ 1 kg per 50 kg of cement, all complete as per direction of Engineer-in-charge.	Sqm	5			
8.31	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	24			
(J)	**SCHEDULE-10 DOORS & WINDOW**					
21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :					
21.1.1.2	For fixed portion - Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	85.598			
21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)					
21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	85.598			

21.2	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade l Type ll, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-charge.					
21.2.1	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side	Sqm	11			
21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item)					
21.3.2	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	Sqm	12			
21.8.1	Filling the gap in between aluminium frame & adjacent RCC/ Brick/Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. Upto 5mm depth and 5 mm width	metre	85.598			
15.2	**ALUMINIUM FITTINGS**					
9.96.2	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : 250x16 mm	each	1			
9.97.2	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :250x10 mm	each	1			
9.98	Providing and fixing aluminium pull bolt lock, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws bolts, nut and washers etc. complete.	each	12			
9.100.1	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 125 mm	each	1			
9.95.5	Providing and fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 100x63x3.2 mm	each	56			

NAME OF PROJECT :- JORHAT AGRO PRIVATE LIMITED						
CIVIL ESTIMATE						
BULK ROOM						
DSR 21 REF NO	**Item Description**	**Unit**	**Qty**	**Rate in INR**		**Amount**
				In figure	**In words**	
(A)	SCHEDULE -1 EARTHWORK IN EXCAVATION					
2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.					
2.8.1	All Kind of Soil	Cum	20			
2.25(a)-SOR	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.					
	All Kinds of Soil	Cum	38			
	POST CONSTRUCTION ANTI - TERMITE TREATMENT					
2.35.1.1	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300mm including excavation channel along the wall & rodding etc. complete:					
	With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration	metre	25			
2.34	Supplying chemical emulsion in sealed containers including delivery as specified.	ltr				
2.34.1	Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	ltr	187.5			
(B)	**SCHEDULE - 2 PLAIN CEMENT CONCRETE WORKS**					
4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					

4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources:8 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	6			
4.11	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20mm nominal size derived from natural sources).	Sqm	10			
(C)	**SCHEDULE - 3 REINFORCED CEMENT CONCRETE WORKS**					
5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :					
5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	4			
5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :					
5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	3			
	REINFORCEMENT					
5.22/5.22 A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level and above plinth level					
5.22.6/5.22.6A	Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	1225			
(D)	**SCHEDULE - 4 SHUTTERING (FORMWORK)**					
5.9	Centering and shuttering including strutting, propping etc. and removal of form for					
5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	50			
5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	20			
(E)	**SCHEDULE - 5 BRICKWORK**					
6.3	Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) :					
6.3.2	With Modular bricks	Cum	9.2			
(F)	**FLOORING WORKS**					

11.1.2	Brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks: 1:6 (1cement : 6 coarse sand)	Sqm	32			
11.3.1	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate	Sqm	32			
(G)	**SCHEDULE-7 PLASTERING**					
13.1.1	12 mm cement plaster of mix :					
	1:4 (1 cement: 4 fine sand)	Sqm	50			
13.2.1	15 mm cement plaster on the rough side of single or half brick wall of mix :					
	1:4 (1 cement: 4 fine sand)	Sqm	50			
	Painting:					
13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	30			
13.48.1	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications : Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr /10 sqm:	Sqm	50			
13.5	Applying priming coat:					
13.50.3	With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	Sqm	50			
13.92	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :	Sqm	32			
(H)	**SCHEDULE-8 STEEL WORKS**					
10.1	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	kg	536.00			
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.	kg	536.00			

12.5	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 metre or as desired by Engineerin-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.	Sqm	32.00			
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 :	metre				
12.51.1	Ridges plain (500 - 600mm)	metre	10.00			
12.51.2	Flashings/ Aprons.(Upto 600 mm)	metre	10.00			
12.51.6	Gutter (600 mm over all girth)	metre	10.00			
12.51.4	Barge board (Upto 300 mm)	metre	10.00			
(J)	**SCHEDULE-10 DOORS & WINDOW**					
21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :					
21.1.1.2	For fixed portion - Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	35			
21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)					

21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	35			
21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item)					
21.3.2	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	Sqm	6			
21.8.1	Filling the gap in between aluminium frame & adjacent RCC/ Brick/Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. Upto 5mm depth and 5 mm width	metre	35			
10.6	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.					
10.6.1	80x1.25 mm M.S. laths with 1.25 mm thick top cover	Sqm	6			
10.7	Providing and fixing ball bearing for rolling shutters.	each	6			
10.8.1	Extra for providing mechanical device chain and crank operation for operating rolling shutters. Exceeding 10.00 sqm and upto 16.80 sqm in the area	Sqm	6			
15.2	**ALUMINIUM FITTINGS**					
9.96.2	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : 250x16 mm	each	1			
9.97.2	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :250x10 mm	each	1			
9.100.1	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 125 mm	each	1			
9.98	Providing and fixing aluminium pull bolt lock, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws bolts, nut and washers etc. complete.	each	6			

9.95.5	Providing and fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 100x63x3.2 mm	each	12			

NAME OF PROJECT :- JORHAT AGRO PRIVATE LIMITED						
CIVIL ESTIMATE - BOUNDARY WALL and MAIN GATE						
	Item Description	**Unit**	**Qty**	**Rate in INR**		**Amount**
				In figure	**In words**	
(A)	**Description of Itmes**					
	Excavation					
2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.					
2.8.1	All Kind of Soil	cum	293			
2.25(a)-SOR	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.					
	All Kinds of Soil	Cum	205.1			
	P C C					
4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources:8 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	16			
	DPC below brickwork					
4.11	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20mm nominal size derived from natural sources).	sqm	53			
	R.C.C. In plinth					
5.9.1	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete	sqm	292.00			

5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :					
5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	15			
	R.C.C. in superstructure					
5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :					
5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	23			
	REINFORCEMENT					
5.22/5.22 A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level and above plinth level					
5.22.6/5.22.6A	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	5228			
	BRICK MASONRY WORK					
6.3	Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) :					
6.3.2	With Modular bricks	Cum	96			
	PLASTER					
13.2.1	15 mm cement plaster on the rough side of single or half brick wall of mix :					
	1:4 (1 cement: 4 fine sand)	sqm	828			
	MS GATE STRUCTURE					
10.16	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.					
10.16.1	Hot finished welded type tubes	Kg	709.617			

NAME OF PROJECT :- JORHAT AGRO PRIVATE LIMITED						
CIVIL ESTIMATE						
GUARD ROOM & TOILET SECTION						
	Item Description	**Unit**	**Qty**	**Rate in INR**		**Amount**
				In figure	**In words**	
(A)	**SCHEDULE -1 EARTHWORK IN EXCAVATION**					
2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.					
2.8.1	All Kind of Soil	Cum	34			
2.25(a)-SOR	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.					
	All Kinds of Soil	Cum	32			
	POST CONSTRUCTION ANTI - TERMITE TREATMENT					
2.35.1.1	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300mm including excavation channel along the wall & rodding etc. complete:					
	With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration	metre	25			
2.34	Supplying chemical emulsion in sealed containers including delivery as specified.	ltr				
2.34.1	Chlorpyriphos/ Lindane emulsifiable concentrate of 20%	ltr	187.5			
(B)	**SCHEDULE - 2 PLAIN CEMENT CONCRETE WORKS**					
4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					

4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources:8 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	7			
4.11	Providing and laying damp-proof course 50mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20mm nominal size derived from natural sources).	Sqm	8			
(C)	**SCHEDULE - 3 REINFORCED CEMENT CONCRETE WORKS**					
5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :					
5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	5			
5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :					
5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	8			
	REINFORCEMENT					
5.22/5.22 A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level and above plinth level					
5.22.6/5.22.6A	Thermo-Mechanically Treated bars of grade Fe-500D or more.	kg	1975			
(D)	**SCHEDULE - 4 SHUTTERING (FORMWORK)**					
5.9	Centering and shuttering including strutting, propping etc. and removal of form for					
5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	15.46			
5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	64.54			
(E)	**SCHEDULE - 5 BRICKWORK**					
6.3	Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) :					
6.3.2	With Modular bricks	Cum	34			
(F)	**CERAMIC TILES**					

11.44	Crazy ceramic tile flooring, with under layer 12 mm thick cement mortar 1:4 (1 cement: 4 coarse sand), with joints not exceeding 5 mm, including filling the gaps with ordinary cement mixture & mixing with synthetic polyester fibre, triangular in shape having specific gravity of 1.34 to 1.40, cross section size ranging from 10 to 40 micron & length upto 6 mm , mixing fibre @ 125 grams per 50 kg of cement in cement mortar, including providing and mixing water proofing material in mortar @ 1 kg per 50 kg of cement, all complete as per direction of Engineer-in-charge.	Sqm	15			
8.31	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	32			
(G)	**SCHEDULE-7 PLASTERING**					
13.1.1	12 mm cement plaster of mix :					
	1:4 (1 cement: 4 fine sand)	Sqm	137			
13.2.1	15 mm cement plaster on the rough side of single or half brick wall of mix :					
	1:4 (1 cement: 4 fine sand)	Sqm	49			
	Painting:					
13.80	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	Sqm	186			
13.48.1	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications : Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr /10 sqm:	Sqm	186			
(H)	**SCHEDULE-6 CEMENT CONCRETE FLOORING**					
11.1.2	Brick on edge flooring with bricks of class designation 7.5 on a bed of 12 mm cement mortar, including filling the joints with same mortar, with common burnt clay non modular bricks: 1:6 (1cement : 6 coarse sand)	Sqm	27			
11.3.1	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate	Sqm	27			
(I)	**SCHEDULE-10 DOORS & WINDOW**					

21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :					
21.1.1.2	For fixed portion - Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	94.488			
21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)					
21.1.2.2	Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	94.488			
21.2	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade l Type ll, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-in-charge.					
21.2.1	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side	Sqm	14			
21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item)					
21.3.2	With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)	Sqm	13			
21.8.1	Filling the gap in between aluminium frame & adjacent RCC/ Brick/Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. Upto 5mm depth and 5 mm width	metre	94.488			
15.2	**ALUMINIUM FITTINGS**					
9.96.2	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : 250x16 mm	each	2			

9.97.2	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :250x10 mm	each	2			
9.98	Providing and fixing aluminium pull bolt lock, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws bolts, nut and washers etc. complete.	each	12			
9.100.1	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 125 mm	each	2			
9.95.5	Providing and fixing ISI marked aluminium butt hinges anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screws etc. complete: 100x63x3.2 mm	each	12			

NAME OF PROJECT :- JORHAT AGRO PRIVATE LIMITED						
CIVIL ESTIMATE - STORM WATER DRAIN						
ESTIMATE HAS BEEB PREPARED BASED ON CPWD SOR 2021						
	Item Description	**Unit**	**Qty**	**Rate in INR**		**Amount**
				In figure	**In words**	
(A)	**SCHEDULE -1 EARTHWORK IN EXCAVATION**					
2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.					
2.8.1	All Kind of Soil	Cum	119.00			
(B)	**SCHEDULE - 2 PLAIN CEMENT CONCRETE WORKS**					
4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources:8 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	20.00			
(D)	**SCHEDULE - 4 SHUTTERING (FORMWORK)**					
5.9	Centering and shuttering including strutting, propping etc. and removal of form for	Sqm	195.00			

5.9.1	Foundations, footings, bases of columns, etc. for mass concrete						
(E)	**SCHEDULE - 5 BRICKWORK**						
6.3	Brick work with common burnt clay machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 in superstructure above plinth level up to floor five level in cement mortar 1:6 (1 cement : 6 coarse sand) :						
6.3.2	With Modular bricks	Cum	34.00				
(F)	**SCHEDULE-7 PLASTERING**						
13.2.1	15 mm cement plaster on the rough side of single or half brick wall of mix :						
	1:4 (1 cement: 4 fine sand)	Sqm	339.00				

NAME OF PROJECT :- JORHAT AGRO PRIVATE LIMITED										
PREPARED BASED ON APWD SOR ROADS 2021 & CPWD SOR 2021										
INTERNAL ROAD ESTIMATE										
S No	**SOR Code**	**Description of Items**	**Length (m)**	**Width (m)**	**Thickness (m)**	**Qnty**	**Unit**	**Rate in INR**		**Amount**
								In figure	**In words**	
1		**Excavation**								
	3.5(I)	Excavation for roadway in soil using manual means for carrying of cut earth to embankment site with a lift upto 1.5 m and lead upto 50 m as per Technical Specification Clause 302.3 (Manual method should be adopted where machines can not be deployed due to site condition)	100	6.00	0.225	135	cum			
		In ordinary Soil								
2	4/4.1 (ii)	**GSB (GRANULAR SUB-BASES, BASES (NON-BITUMINOUS) AND SHOULDERS). Granular Sub-base with Well Graded Material (Table 400.1)**								

		Construction of granular sub-base by providing well graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401.								
		For Grading II Material	100	6.00	0.15	90	cum			
		PCC								
	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of cantering and shuttering - All work up to plinth level :								
	4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	100	6.00	0.1	60	cum			
		SAND FILLING								
	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	100	6.00	0.04	24	cum			
	7/6.7	**Interlocking concrete Block pavement with edge block (i) Providing and lying interlocking concrete pavement block (M40) having thickness 80 mm as per technical specification clause 1504 (including edge) Block/Edge restraints)**								
						1254	sqm			

NAME OF PROJECT :- JORHAT AGRO PRIVATE LIMITED						
Estimate- Internal Electrical						
Note:-All item's rates are as per E&M DSR 2022						
Item No.	**Description**	**Unit**	**Quantity**	**Rate in INR**		**Amount**
				In figure	**In words**	
1.0	**WIRING IN PVC CONDUIT**					
1.10	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.					
1.10.1	Group A	Point	25			
1.10.2	Group B	Point	10			
1.10.3	Group C	Point	10			
1.11	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	Point	10			
1.12	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Meter	180			
1.13	Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit along with 2 Nos. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Meter	180			
1.14	Wiring for circuit/ sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.					
1.14.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	Meter	200			
1.14.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Meter	200			
1.14.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	Meter	150			
1.14.5	2 X 10 sq. mm +1 X6 Sq. mm earth	Meter	150			

1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required. 20 mm					
1.21.2	25 mm	Meter	100			
1.24	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.					
1.24.1	5/6 A switch	Each	40			
1.24.2	2 way 5/6 A switch	Each	40			
1.24.3	15/16 A switch	Each	35			
1.24.4	3 pin 5/6 A socket outlet	Each	10			
1.24.5	6 pin 15/16 A socket outlet	Each	5			
1.24.6	Telephone socket outlet	Each	2			
1.25	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	4			
1.26	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	6			
1.27	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc. as required.					
1.27.1	1 or 2 Module (75mmX75mm)	Each	4			
1.27.2	3 Module (100mmX75mm)	Each	4			
1.27.3	4 Module (125mmX75mm)	Each	4			
1.27.4	6 Module (200mmX75mm)	Each	4			
1.27.5	8 Module (125mmX125mm)	Each	4			
1.27.6	12 Module (200mmX150mm)	Each	4			
1.28	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.					
1.28.1	1 or 2 Module	Each	10			
1.28.2	3 Module	Each	10			
1.28.3	4 Module	Each	2			
1.28.4	6 Module	Each	2			
1.28.5	8 Module	Each	2			

1.28.6	12 Module	Each	2			
1.31	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	Each	6			
1.32	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Each	6			
	INSTALLATION OF FIXTURES & FANS					
1.35	Installation ,Testing, Commissioning of wall bracket /ceiling fittings of all sizes and shapes containing up to two GLS/CFL/LED lamps per fitting, complete with all accessories including connections etc. as required.	Each	60			
1.38	Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required.	Each	30			
1.39	Providing and fixing plain 16/0.20mm (0.50sqmm) twin flat flexible, FRLS PVC insulated, copper conductor cable, in PVC sleeve of suitable size on the floor/ wall, or side of the table/ door etc. as required.	Meter	300			
1.45	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (up to 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.	Each	6			
1.21	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.					
1.21.1	20mm dia	Meter	500.00			
1.21.2	25mm dia	Meter	400.00			
1.21.3	32mm dia	Meter	200.00			
	MODULAR BOXES & SWITCH/SOCKETS					
1.56	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 2 nos. 3 pin 5/6 A modular socket outlet and 2 nos. 5/6 A modular switch, connections etc. as required. (For light plugs to be used in non residential buildings).	Each	10			
	CHAPTER-2-MCCB, MCB & DB'S					
2.2	Providing and fixing following rating and breaking capacity and pole MCCB with THERMOMAGNETIC RELASE AND TERMINAL spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required.					
2.2.14	125 A,36KA,FPMCCB	Each	2			

2.4	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required but without MCB/RCCB/Isolator)					
2.4.1	4 way (4 + 12), Double door	Each	2			
2.4.3	8 way (4 + 24), Double door	Each	2			
2.5	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)					
2.5.1	4 way (4 + 12), Double door	Each	2			
2.5.2	8 way (4 + 24), Double door	Each	2			
2.5.3	12 way (4 + 36), Double door	Each	2			
2.10	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
2.10.1	Single pole	Each	150			
2.10.3	Double pole	Each	10			
2.10.4	Triple pole	Each	10			
2.11	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	50			
2.15	Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 30 Ma in the existing MCB DB complete with connections, testing and commissioning etc. as required.					
2.15.2	40 A	Each	20			
2.15.3	63 A	Each	10			
2.24	Supplying and fixing Cable End Box (Loose Wire Box) suitable for following triple pole and neutral, sheet steel, MCB distribution board, 415 Volts, on surface/ recess, complete with testing and commissioning etc.as required.					
2.24.1	For 4 way, Double door TPN MCBDB	Each	2			
2.24.2	For 6 way, Double door TPN MCBDB	Each	2			
2.24.3	For 12 way, Double door TPN MCBDB	Each	2			

2.25	Supplying and fixing Cable End Box (Loose Wire Box) suitable for triple pole and neutral, sheet steel, Vertical MCB distribution board, 415 Volts, on surface/ recess, complete with testing and commissioning etc. as required.	Each	2			
5.2	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	Each	4			
5.4	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	Each	4			
5.7	Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	Metre	150			
5.8	Supplying and laying 25 mm X 5 mm copper strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of brass nut bolt & spring washer spaced at 50mm)	Metre	150			
5.15	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	Metre	150			
5.17	Providing and fixing 4mm dia. copper wire on surface or in recess for loop earthing as required.	Metre	150			
	NON-SCHEDULE ITEM					
1	**MAIN PANEL**					
MR	Design, manufacture, supply, installation, testing and commissioning of **Main Panel (outdoor type)** fabricated out of 14 SWG CRCA sheet steel, IP52, wall / floor mounting type. The sheet steel shall undergo minimum 9 tank treatment followed by finishing powder coating of min 60 micron thickness. the board includes 415 V electrolitic Aluminium Bus Bar, removable gland plates, cable glands, including connection with outgoing feeders complete in all respect.					
	12 Nos. outgoing feeders shall be provided with energy analyser / electronic dual reading KWHR meter with RS 485 communication port, CT's with accuracy class 1.					
	The incoming MCCB shall be microprocessor based with inbuilt O/L & S/C release with E/F protection and all Outgoings MCCB's shall be thermal-magnetic based with inbuilt O/L & S/C release.					

	The MCCB's shall be Ics = 100% Icu, with rotary handle & pad locking arrangement, with adjustable O/L & adjustable S/C trip setting as per load requirement. TP MCCB shall be with solid isolable neutral link. The breaking capacity specified is Ics value.					
	The above board shall be complete with 3 nos. phase indicating lights, flush mounted Ammeter, Voltmeter, CT's, PT's, selector switches, protective fuses etc. at Incomer with all inter connections by min. 2.5 sq.mm. Copper wires.					
	INCOMER : 250 AMP FP MCCB (25 KA)					
	BUS BAR : 250 AMP, 500 Volts, 3 phase 50 HZ TPN high conductivity electrolytic Aluminium bus bar of suitable length, insulated by heat shrinkable sleeves. The current density of bus bar shall be minimum 1.00 sq mm / amp.					
	The Maximum allowable temperature for the Bus bar to be restricted to 85 deg C. The temperature rise should be restricted to 35 deg C above ambient temperature.					
	OUT GOINGS :					
	12 Nos. 40, FP MCB, 10kA with ON/OFF indicating lamps.					
	4 Nos. 16A, DP MCB, 10kA with ON/OFF indicating lamps.	SET	1			

NAME OF PROJECT :- JORHAT AGRO PRIVATE LIMITED, ASSAM

Supply & Installation of Light Fixtures & Fans and CCTV camera (Non Schedule)

	Makes : PHILIPS, WIPRO					
	Supply and fixing of Following type of Fans & Fixtures of all sizes and shapes LED lamps per fitting, complete with all accessories.	**Unit**	**No**	**Rate in INR**		**Amount**
				In figure	**In words**	
1	24 W LED Light Fixtures as marked L1	Each	20			
2	18 watt LED Down Lighters as marked L2.	Each	10			
3	Mirror Light 11W LED	Each	4			
4	Ceiling Fans 48" dia on ceiling without Regulator .Including GI Down Rod as required.	Each	8			
5	Exhaust fans.med.duty for Toilets	Each	6			
6	High Bay LIGHTS 60 Watts	Each	40			
7	HIGH BAY LIGHTS 90 Watts	Each	60			
8	CCTV Camera with all wiring and DVR complete	Each	20			

NAME OF PROJECT :- JORHAT AGRO PRIVATE LIMITED						
BOQ FOR EXTERNAL LIGHTING						
NON SCHEDULE ITEMS						
S.N	**DESCRIPTION OF ITEMS**	**UNIT**	**QTY.**	**Rate in INR**		**Amount**
				In figure	**In words**	
1	**SUB LT PANEL**					
	Supplying, installation, testing & commissioning of cubical type LT panel suitable for 415 V, 3 Phase, 4 Wire 50 Hz AC supply system having fabricated in compartmentalized design from CRCA sheet steel of 2 mm thick for frame work and covers, 3 mm thick for gland, plates i/c cleaning & finishing complete with 7 tank process for powder coating in approved shade, having suitable Amp capacity extensible type TPN aluminium alloy bus bars of light conductivity, DMC / SMC bus bars of high conductivity, DMC/ SMC bus bar supports, with short circuit withstand capacity of 31 MVA for 1 Sec., bottom base channel of MS section not less than 100 mm x 50 mm x 5 mm thick, fabrication shall be done in transportable sections, entire panel shall have a common Aluminium/GI earth bar of size 25 mm x 5 mm at the rear with 2 Nos. earth stud, solid connections from main bus bar to switch gears with required size of Al. bus bars and control wiring with sq. mm. PVC insulated copper conductor S/C cable, cable alleys, cable gland plates in two half, i/c providing following switch gears :-					
A).	**INCOMING SUPPLY :**					
	1 No. 63 A, 4P (100% Neutral) MCCB (36 kA) with Microprocessor based O/L, S/C and E/F releases.					
B)	**METERING & INDICATING LIGHTS**					
	1 Nos MFM Meters					
	1 Set of 100/5A, CL-1, 15VA CTs for measuring.					
	Sets of phase indicating ,ON/OFF,TRIP Indicating lamps with 2A control MCBs.					
C)	**BUSBAR:**					
	Electrolytic high conductivity TPN (100% Neutral) Aluminium busbars rated at 200 amps (25 kA) with heat shrinkable PVC sleeves.					
D)	**OUTGOING FEEDER:**					
ii	2Nos.32 A TPN MCB with Timer for LANDSCAPING & EXT. POLE LIGHTS .					

iii	2Nos.32 A TPN MCB with Timer for LANDSCAPING & EXT. POLE LIGHTS .					
iv		Set	1			
2	**CABLING WORK (SUPPLY)**					
i).	Supply of following size of XLPE / PVC insulated,PVC Sheathed, Aluminium Conductor armoured power cable of 1.1kV grade etc. as required.					
d)	4C x 6sq.mm 1.1kV Al. Cable	MTR	300			
3A	**LAYING OF CABLES :**					
3B	Laying of one numberXLPE / PVC insulated, PVC sheathed Aluminium Conductor Armoured power cable of 1.1kV grade of following sizes in ground including excavation and backfilling and identified at regular intervals as required.					
d)	4C x 6sq.mm 1.1kV Al. Cable	MTR	300			
4	**LT CABLE TERMINATION**					
	End termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.					
d)	4C x 6sq.mm 1.1kV Al. Cable	Nos	12			
5	**STREET LIGHT POLES 7 MTR Galvanised:**					
	Supply , fixing, Testing & Commissioning of 7 mtr long,3mm thick sheet,hot dip galvanised poles of bottomdia 130mm/70mm respectively with base plate diamensions 220X220X14 mm with galvanised Single Arm Bracket of 1.00 mtr length. The pole shall be Errected on a suitable size of Cement Concreate 1:2:4 foundation as per Manufacturers standards along with Grouting the Foundation Bolts,nuts and 1.5 mtr long,50 mm dia suitably bend ,GI ,Medium Class Pipe for cable entry, suitable size Inbuilt Cable End Box opening approx.600 mm above the Pole Base with 2 Nos. 6Way 15 Amp, Bakelite Connectors,1 No 6 Amp, SP MCB C Curve etc as required. The door shall be vandal resistant and shall be weather proof to ensure safety of inside connections. The door shall be flush with the exterior surface and shall have suitable locking arrangement. There shall also be suitable arrangement for the purpose of earthing. The poles shall be complete with integral terminal boxes, MCB cut-outs, pole foundation bolts, lightning arrestor, earthing, etc. as required. The poles shall have provisions for mounting and connecting an additional 250 Watt MH -type outdoor light fitting	nos.	8			

	Supply and fixing of LED Street light Fitting having die cast aluminium body and diffuser with driver set suitable for 30Watt. to 40 Watt. Confirming to IP 65 and above protection complete in all respect. CAT-AA	nos.	8			
6	**EARTHING SYSTEM**					
iii	Supplying and installation of following sizes of earth strip & wires by using spacer clamp for main earth flat,suitable clamping with M.S / Cu. flats for earthwires etc.,including terminal crimping type sockets,bolts & washers, etc required for the complete job.					
d	Provinding and fixing 6 SWG GI wire on surface are in recaes for loop earthing long with existing conduit / cable as required	MTR	100			

NAME OF PROJECT :- RICE MILL UNIT,JORHAT, ASSAM						
FIRE FIGHTING ESTIMATE						
	Description of item	**UniT**	**Qty**	**Rate in INR**		**Amount**
				In figure	**In words**	
	FIRE EXTINGUISHER					
1	Supply, Installation, Fixing of ABC stored Pressure Fire Extinguisher with built – In Pressure Gauge to know the Ready ness of the Extinguisher Squeeze Grip Handle as per IS:13849 with ISI mark. (Fire Ext MAP50 4KG MS SP Red) BRAND : FIRESTOP / FIREND / FIRE SHIELD	each	20			
2	Supply, Installation, Fixing of Pressure CO2 Fire Extinguisher with built – In Pressure Gauge to know the Ready ness of the Extinguisher Squeeze Grip Handle as per IS:13849 with ISI mark. (Fire Ext CO2 2KG Aluminium squeeze Grip SP Red)	each	5			

NAME OF PROJECT :- JORHAT AGRO PRIVATE LIMITED

Name of Work : Plumbing services estimate as per DSR 21- Vol 2							
SI.NO	**DSR 2021 Item Code**	**Description**	**Unit**	**Qty**	**Rate in INR**		**Amount**
					In figure	**In words**	
1	2.10	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m :					
	2.10.1.2	All kinds of soil : Pipes, cables etc. exceeding 80 mm dia. But not exceeding 300 mm dia	Metre	50			
2	19.6	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :					
	19.6.2	150 mm dia. R.C.C. pipe	Metre	50			
3	18.9	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge.					
		External work					
	18.9.1	15 mm nominal dia Pipes	Metre	120			
	18.9.2	20 mm nominal dia Pipes	Metre	120			
	18.9.3	25mm nominal dia Pipes	Metre	130			
	18.9.4	32mm nominal dia Pipes	Metre	125			
	18.9.5	40mm nominal dia Pipes	Metre	75			

4	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.					
		Concealed work including cutting chases and making good the walls etc.					
	18.8.1	15 mm nominal dia Pipes	Metre	50			
	18.8.2	20mm nominal bore	Metre	50			
	18.8.3	25mm nominal bore	Metre	45			
	18.8.4	32mm nominal bore	Metre	20			
5	18.33	Constructing masonry Chamber 60x60x75 cm inside, in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with C.I. surface box 100mm top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) , i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick, finished with a floating coat of neat cement complete as per standard design :					
	18.33.1	With common burnt clay F.P.S.(non modular) bricks of class designation 7.5	each	28			

6	19.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design :					
	19.7.1	Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :					
	19.7.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	15			
7	19.8	Extra for depth for manholes :					
	19.8.1	Size 90x80 cm					
	19.8.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	metre	10			
8	18.60	Providing and fixing enclosed type water meter (bulk type) conforming to IS : 2373 and tested by Municipal Board complete with bolts, nuts, rubber insertions etc. (The tail pieces if required will be paid separately)					
	18.60.1	80 mm dia nominal bore	Each	4			
		SANITARY INSTALLATIONS					
9	17.1	Providing and fixing water closet squatting pan (Indian type W.C.pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:					

	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	2			
10	17.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required :					
	17.2.1	W.C. pan with ISI marked white solid plastic seat and lid	each	3			
11		URINAL					
	17.4	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :					
	17.4.1	One urinal basin with 5 litre white P.V.C. automatic flushing cistern	each	2			
	17.4.2	Range of two urinal basins with 5 litre white P.V.C. automatic flushing cistern	Each	2			
12	17.6	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I. / PVC flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete, including painting of fittings and cutting and making good the walls and floors etc. wherever required :					
	17.6.1	Single squatting plate with 5 litre P.V.C. automatic flushing cistern	Each	2			
		WASH BASIN					
13	17.7	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:					
	17.7.3	White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps	Each	4			

14	17.8	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings. each	Each	4			
15	18.65	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	each	2			
	7509	PTMT Soap Dish/Holder 138x102x75 mm each	each	2			
16	17.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	each	2			
	7503	PTMT Liquid Soap Container of 400 ml capacity	each	2			
17		TOWEL RAIL,TOWEL RACK & TOWEL RING					
	17.72	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.	each	6			
	7504	PTMT - Towel Ring 215x200x37 mm	each	2			
	7505	PTMT - Towel Rail (450 mm long)	each	2			
	7506	PTMT - Towel Rail (600 mm long) each	each	2			
18		TOILET PAPER HOLDER					
	17.34	Providing and fixing toilet paper holder :					
	17.34.1	C.P. brass	each	2			
	1889	C.P. brass toilet paper holder of standard size	each	2			
19		BOTTLE TRAP					
	17.70	Providing and fixing PTMT Bottle Trap for Wash basin and sink.					
	17.70.1	Bottle trap 31mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms	each	8			
	1897	100 mm S.C.I. trap with 100 mm inlet and 100 mm outlet	each	4			
36		MIRROR					

20	17.32	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :					
	17.32.1	Circular shape 450 mm dia	each	4			
21		TUBE WELL					
	23.1	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge, upto 90 metre depth below ground level.					
	23.1.1.1	All types of soil : 300 mm dia	metre	40			
	23.10	Supplying, assembling, lowering and fixing in vertical position in bore well, ERW (Electric Resistance Welded) FE 410 mild steel screwed and socketed/plain ended casing pipes of required dia, conforming to IS: 4270, of reputed & approved make, including painted with outside surface with two coats of anticorrosive paint of approved brand and manufacture, including required hire & labour charges, fittings & accessories, all complete, for all depths, as per direction of Engineer-in-charge.					
	23.10.3	200 mm nominal size dia having minimum wall thickness 5.40 mm	metre	40			
22	23.13	Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for borewell of:					
	23.13.3	200 mm dia	each	6			
23	18.50	Providing and fixing C.P. brass long nose bib cock of approved quality conforming to IS standards and weighing not less than 810 gms.					
	18.50.1	15 mm nominal bore	each	6			
24	18.51	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.					
	18.51.1	15mm dia, nominal bore	each	2			

25	19.1	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :					
	19.1.2	150 mm diameter metre	Metre	100			
26	19.27	Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design :					
	19.27.1	With common burnt clay F .P .S. (non modular) bricks of class designation 7.5	Each	4			
27	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	litre	5000			
28		SOAK PIT AND INSPECTION CHAMBER					
	19.30	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:1.5:3 mix (1 cement : 1.5 fine sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design:					
	19.30.2.1	Inside dimensions 500x700 mm and 45 cm deep for pipe line with one or two inlets : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	4			
	19.32	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design.					
29	19.32.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	3			

Note:

1. *Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities (refer :ITB Clause 14.2 and GCC Clause 41.3)*

2. *Unit rates and prices shall be quoted by the bidder in Indian Rupees [ITB Clause 14.1 and ITB Clause 15.1]*

3. *Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by quantity, the unit rate quoted shall govern as explained in [ITB Clause 36.1]. [Note: delete this point if the e-procurement system automatically calculates the total from the unit rate and quantity]*

4. *Where there is a discrepancy between the rate in figures and words, the rates in words will govern.[ITB Clause 36.1] [Note: delete this point if the e-procurement system automatically populates the amount in words from the amount in figures]*

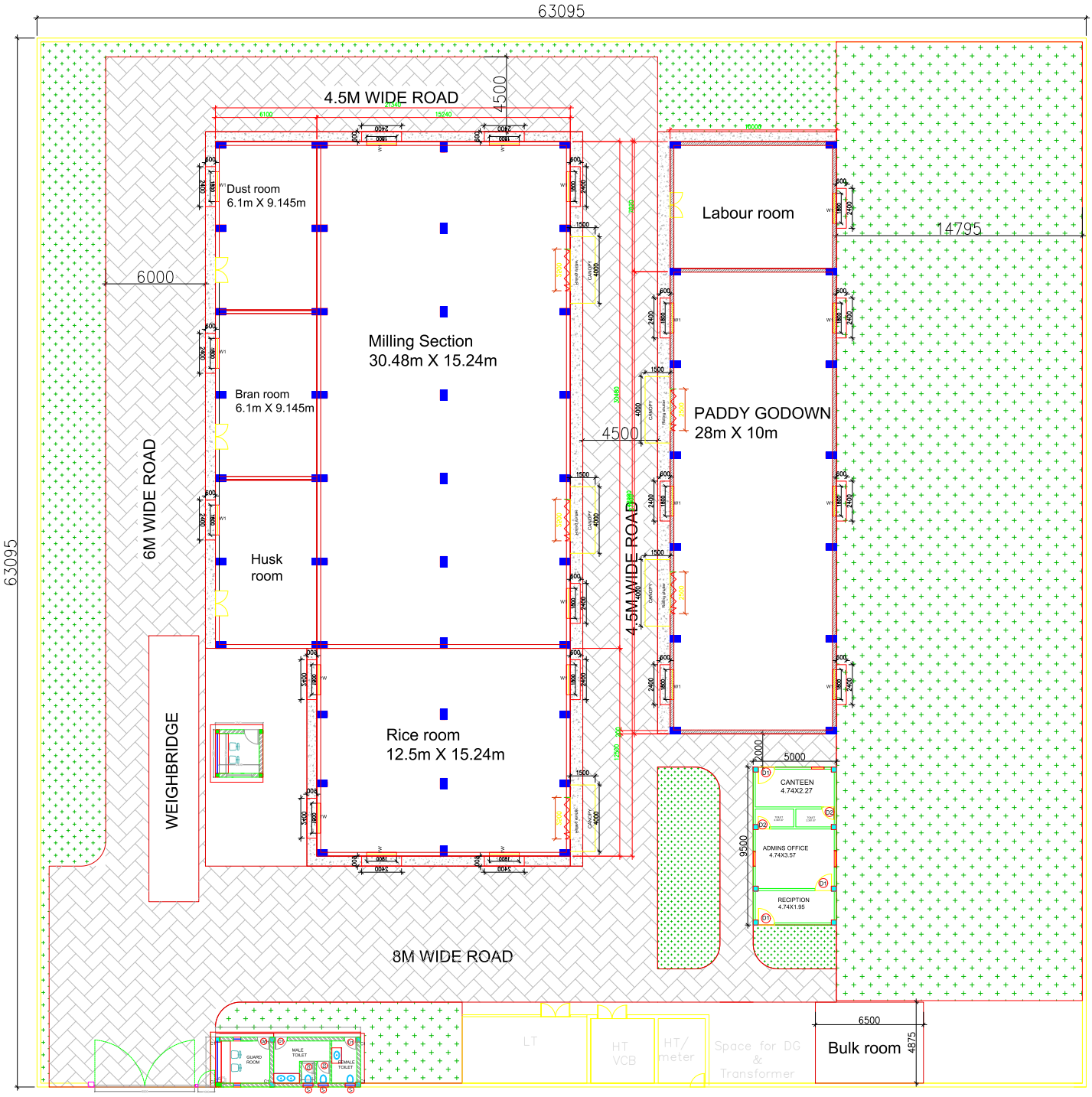
5. *A provisional sum (Fixed Amount) for the unknown items of resettlement of existing temporary market sheds is provided which will be operated at the instruction of Engineer-in-Charge. The Bidders shall quote the same amount as appeared in the last row of BOQ Schedule in their own BOQ Schedule submitted in Financial Bids. As the amount is fixed for all the bidders, the amount shall not be calculated in deciding the financial proposals of the bidders.*

We agree to execute the works in accordance with the approved drawings and technical specifications at a total fixed contract price quoted by us in the Letter of Bid

Signature of Contractor

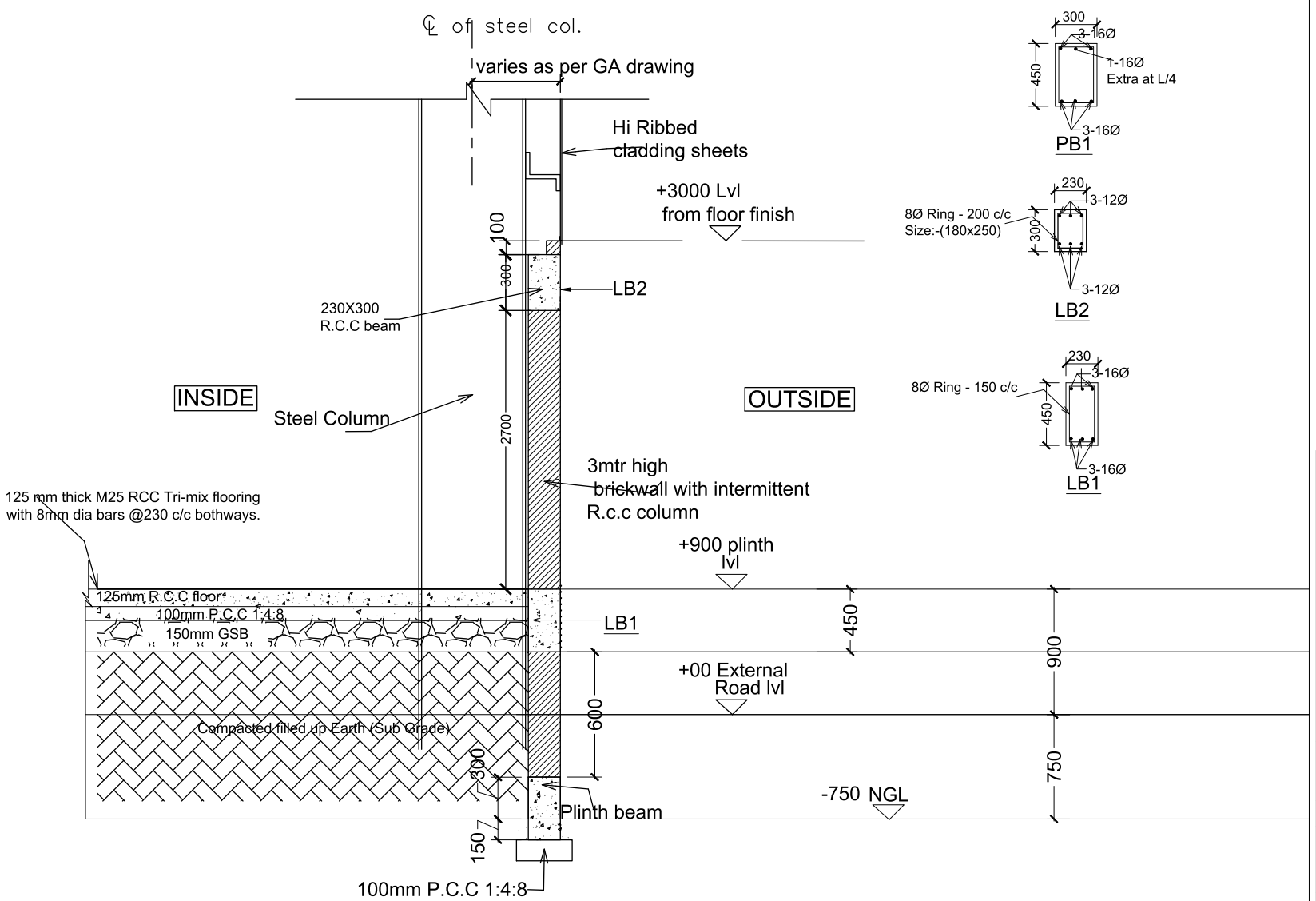
DRAWINGS

1. SITE PLAN
2. TYPICAL SECTION THROUGH SHED
3. DOOR WINDOW SCHEDULE
4. RICE MILL PLAN
5. RICE MILL CENTERLINE PLAN
6. RICE MILL FOUNDATION PLAN
7. RICE MILL PLINTH BEAM PLAN
8. RICE MILL STRUCTURE DETAIL
9. RICE & MILLING SECTION
10. RICE & MILLING ELEVATION PLAN
11. PADDY GODOWN PLAN
12. PADDY GODOWN CENTERLINE PLAN
13. PADDY GODOWN FOUNDATION PLAN
14. PADDY GODOWN PLINTH BEAM PLAN
15. PADDY GODOWN STRUCTURE DETAIL
16. PADDY GODOWN SECTION
17. PADDY GODOWN ELEVATION
18. OFFICE BUILDING PLAN
19. OFFICE BUILDING CENTERLINE PLAN
20. OFFICE BUILDING FOUNDATION PLAN
21. OFFICE BUILDING PLINTH BEAM PLAN
22. OFFICE BUILDING SLAB BEAM PLAN
23. OFFICE BUILDING STRUCTURE DETAIL
24. WEIGH BRIDGE ROOM PLAN
25. WEIGH BRIDGE ROOM ELEVATION & SECTION
26. WEIGH BRIDGE ROOM FOUNDATION & SLAB BEAM PLAN
27. WEIGH BRIDGE ROOM STRUCTURE DETAIL
28. MAIN GATE DETAIL
29. GUARD ROOM & COMMON TOILET PLAN
30. GUARD ROOM & COMMON TOILET CENTERLINE PLAN
31. GUARD ROOM & COMMON TOILET FOUNDATION PLAN
32. GUARD ROOM & COMMON TOILET PLINTH BEAM PLAN
33. GUARD ROOM & COMMON TOILET SLAB BEAM PLAN
34. GUARD ROOM & COMMON TOILET STRUCTURE DETAIL



STRUCTO CREATIONS
STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar,
Delhi-110092
Lic. No. AM1778350

STRUCTO CREATIONS (STRUCTURE CONSULTANT) JAGAT RAM PARK, LAXMI NAGAR, NEW DELHI -110092 EMAIL : msansari6313@gmail.com	NAME OF PROJECT : JORHAT AGRO PRIVATE LIMITED C/O SRI PALASH HAZARIKA MS HAZARIKA, RICE MILL KHERAMA KACHARI GAON BORHOLLA,JORHAT , JORHAT ,ASSAM , INDIA, 785631	CLIENT / SPV : JORHAT AGRO PRIVATE LIMITED DRAWING NO. 01-00	DRAWING TITLE - SITE PLAN PUPOSE - TENDER DRAWING Drawn By :- Saeed Ansari DATE- 09-09-2021



TYPICAL SECTION THROUGH SHED / DRIVEWAY

0.0 - External Ground lvl

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(STRUCTURE CONSULTANT)

JAGAT RAM PARK,
LAXMI NAGAR, NEW DELHI -110092
EMAIL : msansari6313@gmail.com

CLIENT/SPV :

JORHAT AGRO
PRIVATE LIMITED

NAME OF PROJECT :

JORHAT AGRO PRIVATE LIMITED
C/O SRI PALASH HAZARIKA
MS HAZARIKA, RICE MILL
KHERAMA KACHARI GAON BORHOLLA,
JORHAT , JORHAT ,ASSAM , INDIA, 785631

Drawing Title :

TYPICAL SECTION THROUGH
SHED

Drawn By :- Saeed Ansari

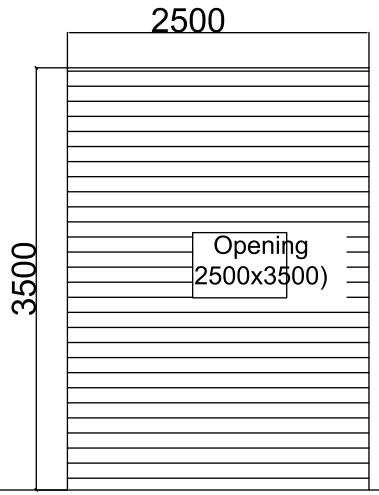
Date : 09.09.2021

Drawing No -

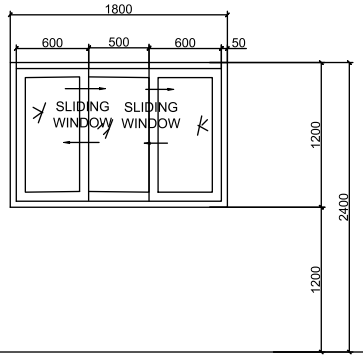
01-01

PURPOSE : TENDER
DRAWING

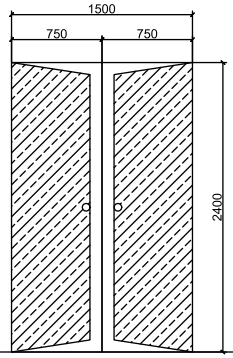
REVISION : -



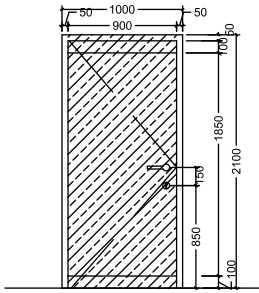
RS-Rolling Shutter
(2500x3500)



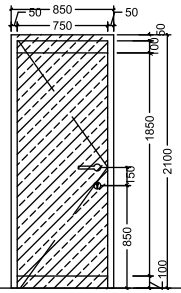
W1(1800X1200)
ALUMINIUM



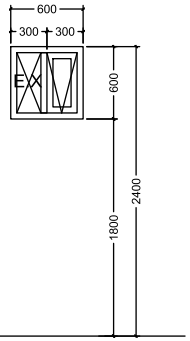
D3-AL Door
1500x2400



D1-AL Door
900x2100



D2-AL Door
750x2100



V1(900X600)
AL

DOOR WINDOW SCHEDULE

	CILL	LINTEL	WIDTH	QUANTITY	MATERIAL
V1	1800	600	600	3	Aluminium
D1	-	2100	900	1	Aluminium
D2	-	2100	750	3	Aluminium
D3	-	2400	1500	4	Aluminium
RS	-	3500	2500	5	
W1	1200	1800	1200	19	Aluminium

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Delhi-110092
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(STRUCTURE CONSULTANT)

JAGAT RAM PARK,
LAXMI NAGAR, NEW DELHI -110092
EMAIL : msansari6313@gmail.com

CLIENT/SPV :

JORHAT AGRO
PRIVATE LIMITED

NAME OF PROJECT :

JORHAT AGRO PRIVATE LIMITED
C/O SRI PALASH HAZARIKA
MS HAZARIKA, RICE MILL
KHERAMA KACHARI GAON BORHOLLA,
JORHAT , JORHAT ,ASSAM , INDIA, 785631

Drawing Title :

DOOR WINDOW SCHEDULE

Drawn By :- Saeed Ansari

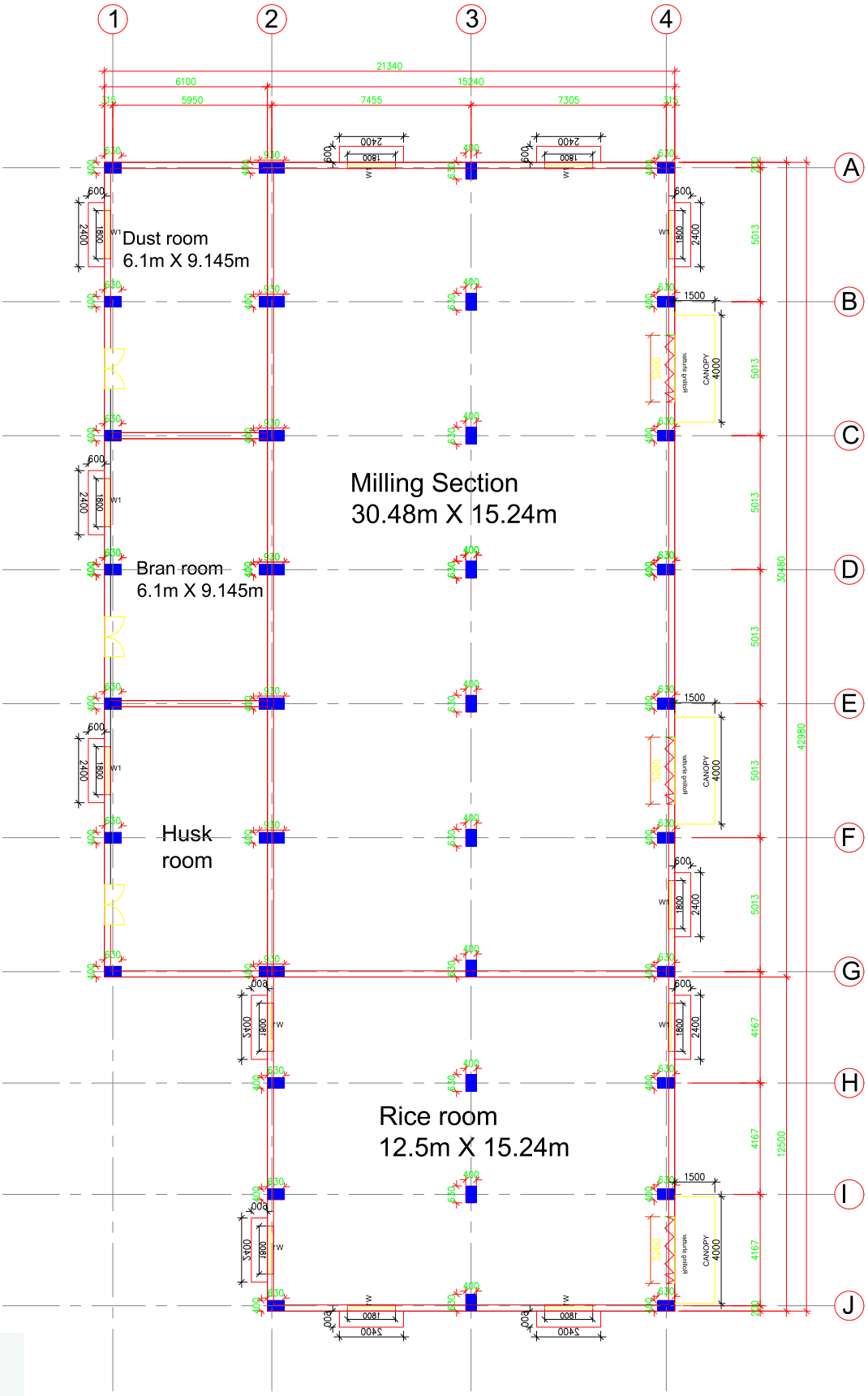
Date : 09.09.2021

Drawing No -

01-02

PURPOSE : TENDER DRAWING

REVISION : -



PLAN

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R-210, Basement Laxmi Nagar,
Delhi-110092
Lic. No. AM1778350

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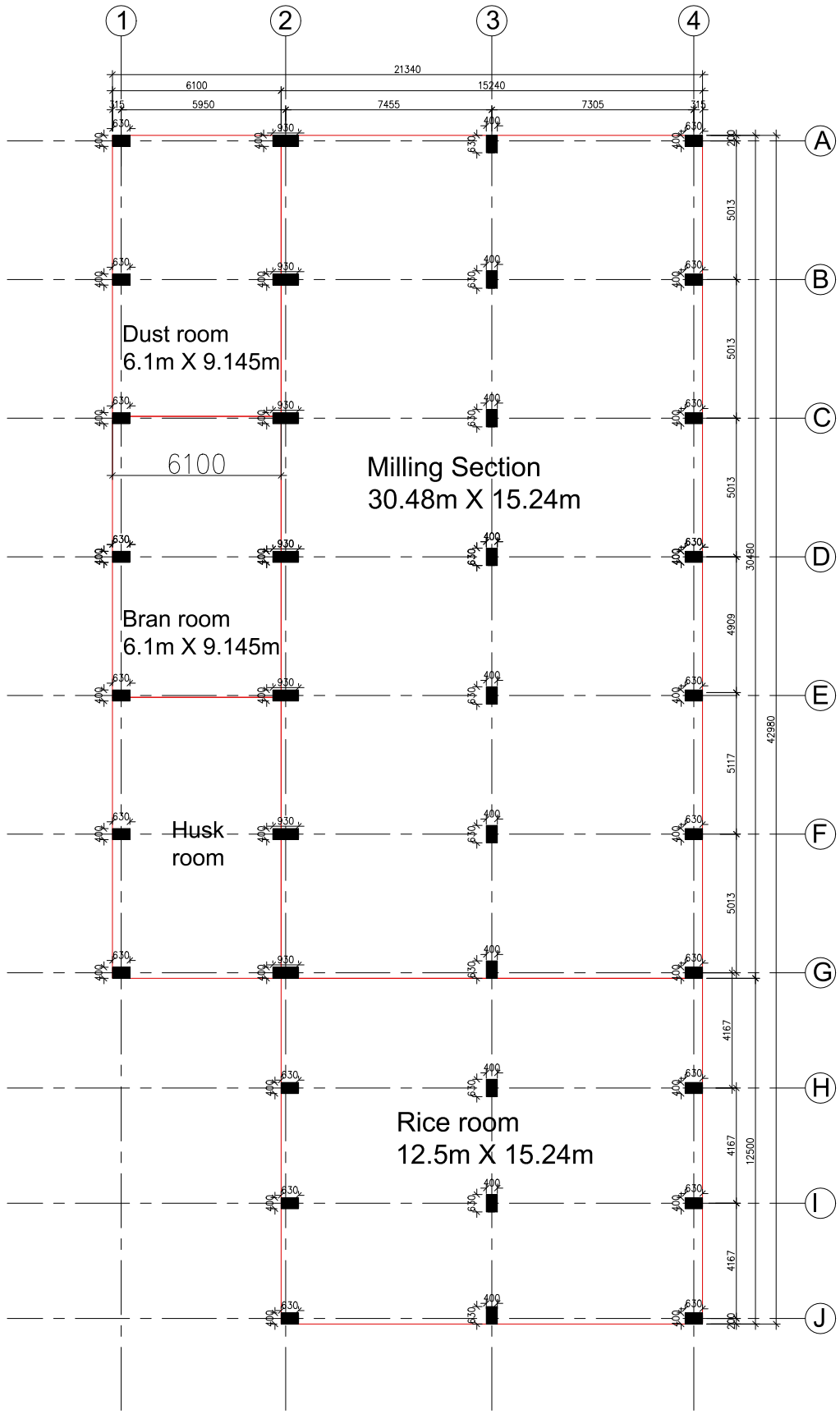

CENTERLINE PLAN

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Delhi-110092
Lic. No. AM1778350

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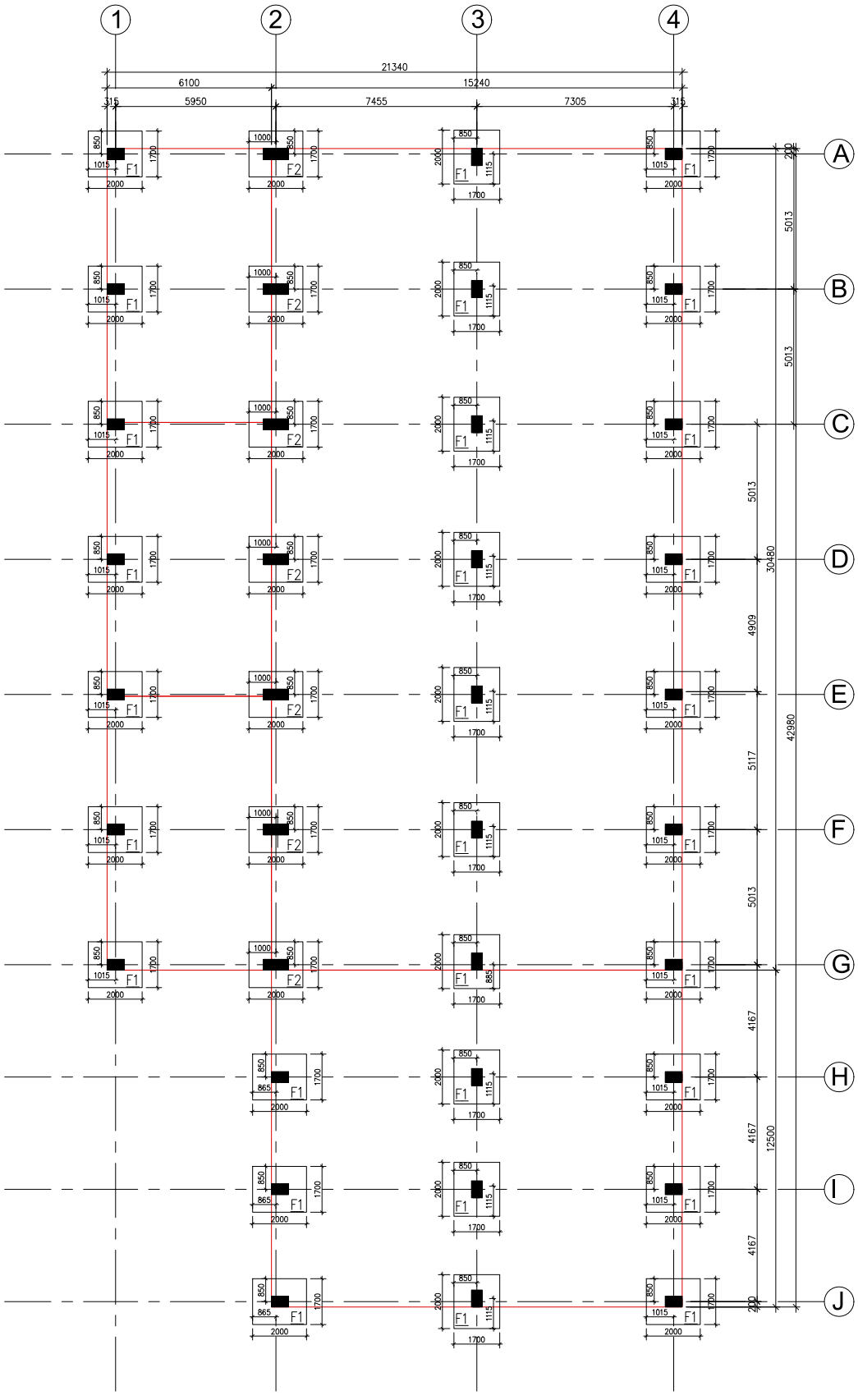
GENERAL NOTES –

NOTES & REFERENCES

1. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS. ANY DISCREPANCY IF FOUND SHALL BE BROUGHT TO THE NOTICE OF CONSULTANT
2. ALL DIMENSIONS ARE IN MM & LEVELS IN MILLIMETERS.
3. DO NOT SCALE ANY DIMENSION.
4. CONFIRM LOCATION OF WALLS WITH RELEVANT ARCH. DRG.S
5. CONCRETE GRADE IS M25
6. THE REINFORCEMENT SHALL BE SOLDTWISTED DEFORMED BARS (S.T.D) OR T.M.T. BARS HAVING YIELD. STRENGTH NOT LESS THAN 500 N/mm^2 AND CONFORMING TO I.S. 1786 – 2006.
7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS:–
   - (a) FOUNDATION : 50 MM
   - (b) COLUMNS : 40 MM
   - (S) BEAMS (top & bottom) 30 MM side Cover 25mm
   - (d) SLABS : 25 MM
   - (e) CHAJJAS/CANOPY : 30 MM
   - (f) R.C.C. WALL 30 MM(EARTH FACE) & 25MM(INNER FACE)
8. NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED AT ANY SECTION. LAPS CLOSE TO THE MID SPAN IN BOTTOM BARS & CLOSE TO SUPPORTS IN TOP BARS SHALL BE AVOIDED. LAP LENGHT IS 50d (d IS DIAMETRE OR BAR)
9. ---------- INDICATES TOP BARS
   INDICATES BOTTOM BARS
   Opening in struStural element
   p.C.C work
   BriCk work
10. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND SURED THOROUGHLY AS PER I.S 456–LATEST.
11. ALL FOOTING ARE CENTRALLY PLACED WITH RESPECTED TO THE CENTER LINE OF COLUMN
12. REINFORCEMENT SHALL BE PROVIDED IN TWO LAYERS WHEREVER FOUND NECESSARY WITH SPACER BAR TO BE PROVIDED BETWEEN TWO LAYERS OF REINFORCEMENTS AS PER IS:456. SPACER BARS @ 1m
13. ALL DIMENSIONS MUST BE CHECKED WITH ARCHITECT'S DRG.S & IN CASE OF ANY DISCREPANCY ARCHITECTS DRG.S SHALL PREVAIL.
14. ALL CONSTRUCTION JOINTS SHALL BE APPROVED BY CONSULTANT ON THE BASIC OF SCHEME PREPARED BY CONTRACTOR.
15. TOP AND BOTTOM EXTRA BARS IN BEAMS TO EXTEND BEYOND THE FACE OF SUPPORT AS SHOWN IN DWG UNLESS OTHERWISE SHOWN.
16. THE FIRST STIRRUPS IN BEAMS SHALL BE AT A DISTANCE OF 50MM FROM THE JOINT FACE THE SPECIAL CONFINING REINFORCEMENT SHALL BE PROVIDED THROUGH THE JOINT AT THE GIVEN SPACING IN COLUMNS.
17. All ANGLES ARE RIGHT ANGLES UNLESS OTHERWSE SPECIFIED.
18. PROVIDE DIST STEEL OVER EXTRA TOP BARS IS:8 @150 C/C (6")
19. BLACK COTTON SOIL IF ENCOUNTERED IN FN PITS, SHALL BE FULLY REMOVED.
20. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.S.S.1:4:8



FOUNDATION PLAN

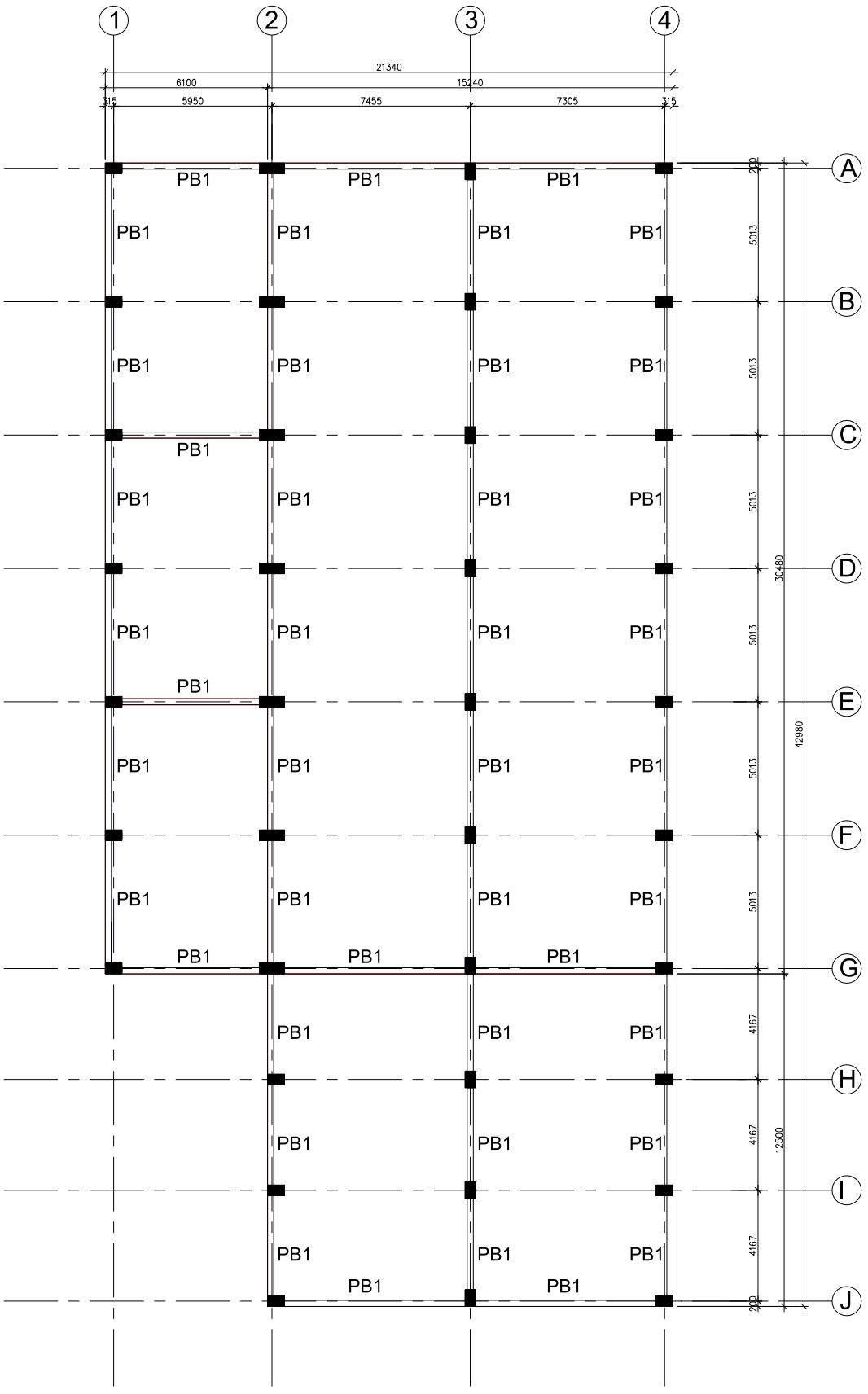
STRUCTO CREATIONS
STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar,
Delhi-110092
Lic. No. AM1778350

STRUCTO CREATIONS (STRUCTURE CONSULTANT) JAGAT RAM PARK, LAXMI NAGAR, NEW DELHI -110092 EMAIL : msansari6313@gmail.com	NAME OF PROJECT : JORHAT AGRO PRIVATE LIMITED C/O SRI PALASH HAZARIKA MS HAZARIKA, RICE MILL KHERAMA KACHARI GAON BORHOLLA,JORHAT , JORHAT ,ASSAM , INDIA, 785631	CLIENT / SPV : JORHAT AGRO PRIVATE LIMITED DRAWING NO. 02-03	DRAWING TITLE - RICE MILL FOUNDATION PLAN PUPOSE - TENDER DRAWING Drawn By :- Saeed Ansari DATE- 09-09-2021

GENERAL NOTES –

NOTES & REFERENCES

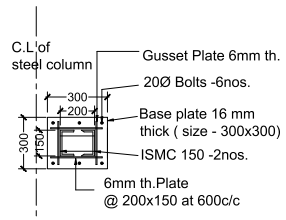
1. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS. ANY DISCREPANCY IF FOUND SHALL BE BROUGHT TO THE NOTICE OF CONSULTANT
2. ALL DIMENSIONS ARE IN MM & LEVELS IN MILLIMETERS.
3. DO NOT SCALE ANY DIMENSION.
4. CONFIRM LOCATION OF WALLS WITH RELEVANT ARCH. DRG.S
5. CONCRETE GRADE IS M25
6. THE REINFORCEMENT SHALL BE SOLDTWISTED DEFORMED BARS (S.T.D) OR T.M.T. BARS HAVING YIELD. STRENGTH NOT LESS THAN 500 N/mm^2 AND CONFORMING TO I.S. 1786 – 2006.
7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS: –
   - (a) FOUNDATION : 50 MM
   - (b) COLUMNS : 40 MM
   - (S) BEAMS (top & bottom) 30 MM side Cover 25mm
   - (d) SLABS : 25 MM
   - (e) CHAJJAS/CANOPY : 30 MM
   - (f) R.C.C. WALL 30 MM(EARTH FACE) & 25MM(INNER FACE)
8. NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED AT ANY SECTION. LAPS CLOSE TO THE MID SPAN IN BOTTOM BARS & CLOSE TO SUPPORTS IN TOP BARS SHALL BE AVOIDED. LAP LENGHT IS 50d (d IS DIAMETRE OR BAR)
9. ---------- INDICATES TOP BARS
   ——— INDICATES BOTTOM BARS
   Opening in struStural element
   p.C.C work
   BriCk work
10. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND SURED THOROUGHLY AS PER I.S 456–LATEST.
11. ALL FOOTING ARE CENTRALLY PLACED WITH RESPECTED TO THE CENTER LINE OF COLUMN
12. REINFORCEMENT SHALL BE PROVIDED IN TWO LAYERS WHEREVER FOUND NECESSARY WITH SPACER BAR TO BE PROVIDED BETWEEN TWO LAYERS OF REINFORCEMENTS AS PER IS:456. SPACER BAR 50
13. ALL DIMENSIONS MUST BE CHECKED WITH ARCHITECT'S DRG.S & IN CASE OF ANY DISCREPANCY ARCHITECTS DRG.S SHALL PREVAIL.
14. ALL CONSTRUCTION JOINTS SHALL BE APPROVED BY CONSULTANT ON THE BASIC OF SCHEME PREPARED BY CONTRACTOR.
15. TOP AND BOTTOM EXTRA BARS IN BEAMS TO EXTEND BEYOND THE FACE OF SUPPORT AS SHOWN IN DWG UNLESS OTHERWISE SHOWN.
16. THE FIRST STIRRUPS IN BEAMS SHALL BE AT A DISTANCE OF 50MM FROM THE JOINT FACE THE SPECIAL CONFINING REINFORCEMENT SHALL BE PROVIDED THROUGH THE JOINT AT THE GIVEN SPACING IN COLUMNS.
17. All ANGLES ARE RIGHT ANGLES UNLESS OTHERWSE SPECIFIED.
18. PROVIDE DIST STEEL OVER EXTRA TOP BARS IS:8 @150 C/C (6")
    8@150 C/C (6")
19. BLACK COTTON SOIL IF ENCOUNTERED IN FN PITS, SHALL BE FULLY REMOVED.
20. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.S.S.1:4:8

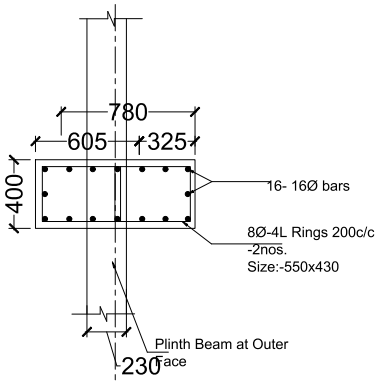


PLINTH BEAM PLAN

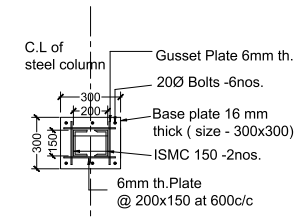
STRUCTO CREATIONS
STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar,
Delhi-110092
Lic. No. AM1778350

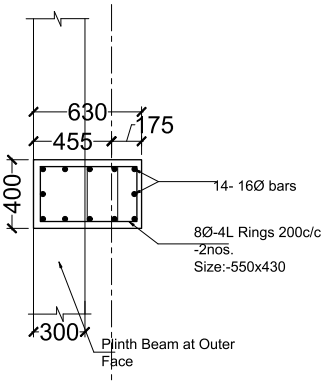
STRUCTO CREATIONS (STRUCTURE CONSULTANT) JAGAT RAM PARK, LAXMI NAGAR, NEW DELHI -110092 EMAIL : msansari6313@gmail.com	NAME OF PROJECT : JORHAT AGRO PRIVATE LIMITED C/O SRI PALASH HAZARIKA MS HAZARIKA, RICE MILL KHERAMA KACHARI GAON BORHOLLA,JORHAT , JORHAT ,ASSAM , INDIA, 785631	CLIENT / SPV : JORHAT AGRO PRIVATE LIMITED DRAWING NO. 02-04	DRAWING TITLE - RICE MILL PLINTH BEAM PLAN PUPOSE - TENDER DRAWING Drawn By :- Saeed Ansari DATE- 09-09-2021



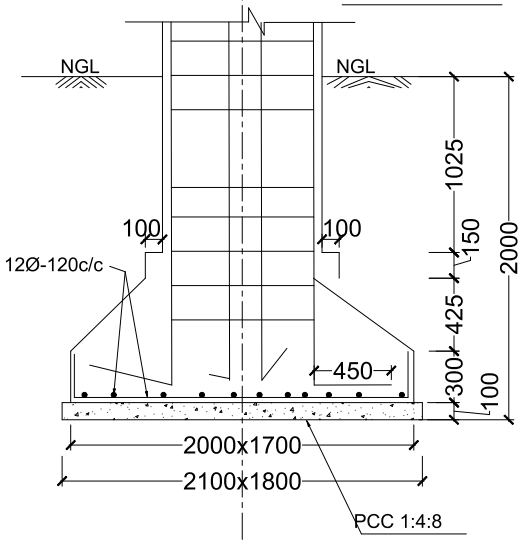


L-Section:-TB1

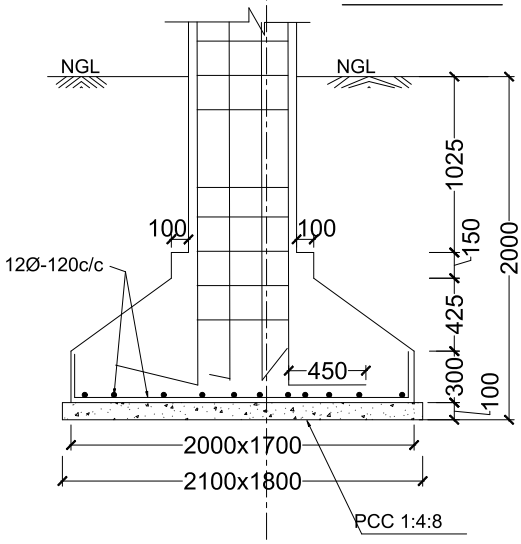




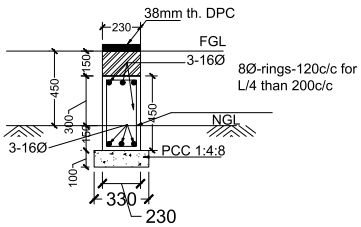
L-Section:-TB1



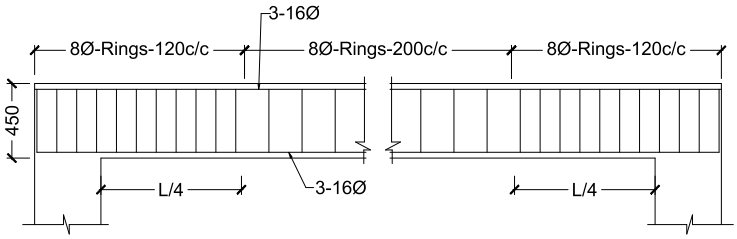
FOOTING F2



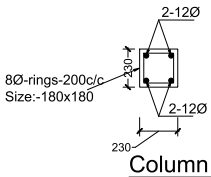
FOOTING F1



Plinth Beam:-PB1



L-Sectiom:-PB1



Column C1 from the pedestal reinforcement used from the pedestal

GENERAL NOTES –

NOTES & REFERENCES

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7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS: –
   - (a) FOUNDATION : 50 MM
   - (b) COLUMNS : 40 MM
   - (S) BEAMS (top & bottom) 30 MM side Cover 25mm
   - (d) SLABS : 25 MM
   - (e) CHAJJAS/CANOPY : 30 MM
   - (f) R.C.C. WALL 30 MM(EARTH FACE) & 25MM(INNER FACE)
8. NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED AT ANY SECTION. LAPS CLOSE TO THE MID SPAN IN BOTTOM BARS & CLOSE TO SUPPORTS IN TOP BARS SHALL BE AVOIDED. LAP LENGHT IS 50d (d IS DIAMETRE OR BAR)
9. ---------- INDICATES TOP BARS
   ———— INDICATES BOTTOM BARS
   Opening in struStural element
   p.C.C work
   BriCk work
10. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND SURED THOROUGHLY AS PER I.S 456–LATEST.
11. ALL FOOTING ARE CENTRALLY PLACED WITH RESPECTED TO THE CENTER LINE OF COLUMN
12. REINFORCEMENT SHALL BE PROVIDED IN TWO LAYERS WHEREVER FOUND NECESSARY WITH SPACER BAR TO BE PROVIDED BETWEEN TWO LAYERS OF REINFORCEMENTS AS PER IS: 456. SPACER BAR 50
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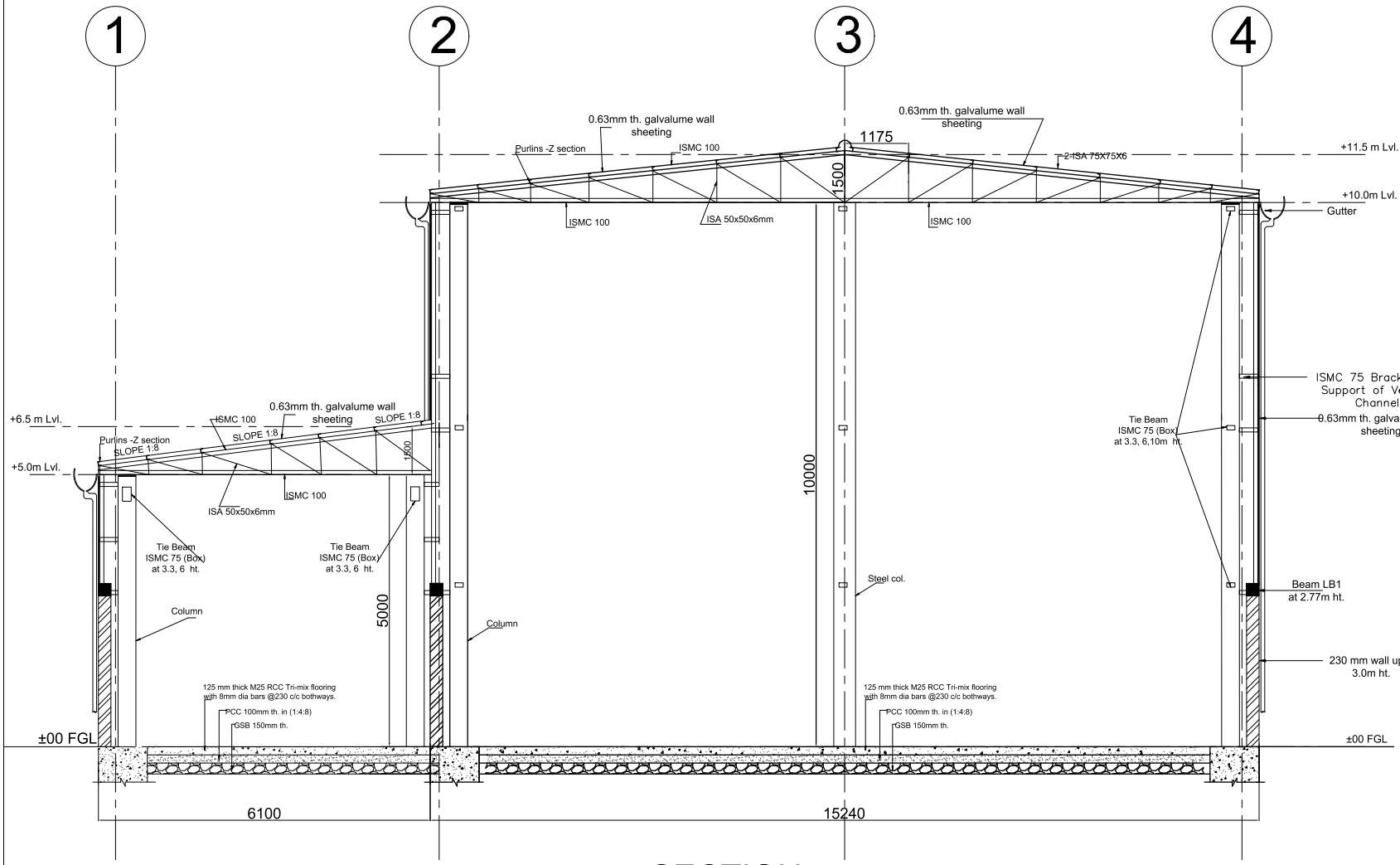
17. All ANGLES ARE RIGHT ANGLES UNLESS OTHERWISE SPECIFIED.
18. PROVIDE DIST STEEL OVER EXTRA TOP BARS IS: 8 @150 C/C (6")
    8@150 C/C (6")
19. BLACK COTTON SOIL IF ENCOUNTERED IN FN PITS, SHALL BE FULLY REMOVED.
20. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.S.S.1:4:8

STRUCTO CREATIONS
STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar,
Delhi-110092
Lic. No. AM1778350

STRUCTO CREATIONS (STRUCTURE CONSULTANT) JAGAT RAM PARK, LAXMI NAGAR, NEW DELHI -110092 EMAIL : msansari6313@gmail.com	NAME OF PROJECT : JORHAT AGRO PRIVATE LIMITED C/O SRI PALASH HAZARIKA MS HAZARIKA, RICE MILL KHERAMA KACHARI GAON BORHOLLA,JORHAT , JORHAT ,ASSAM , INDIA, 785631	CLIENT / SPV : JORHAT AGRO PRIVATE LIMITED DRAWING NO. 02-05	DRAWING TITLE - RICE MILL FOUNDATION DETAIL PUPOSE - TENDER DRAWING Drawn By :- Saeed Ansari DATE- 09-09-2021



SECTION

STRUCTO CREATIONS
STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar,
Delhi-110092
Lic. No. AM1778350

STRUCTO CREATIONS
(STRUCTURE CONSULTANT)

JAGAT RAM PARK,
LAXMI NAGAR, NEW DELHI -110092
EMAIL : msansari6313@gmail.com

CLIENT/SPV :

JORHAT AGRO PRIVATE LIMITED

NAME OF PROJECT :

JORHAT AGRO PRIVATE LIMITED
C/O SRI PALASH HAZARIKA
MS HAZARIKA, RICE MILL
KHERAMA KACHARI GAON BORHOLLA,
JORHAT , JORHAT ,ASSAM , INDIA, 785631

Drawing Title :

MILLING & RICE ROOM SECTION

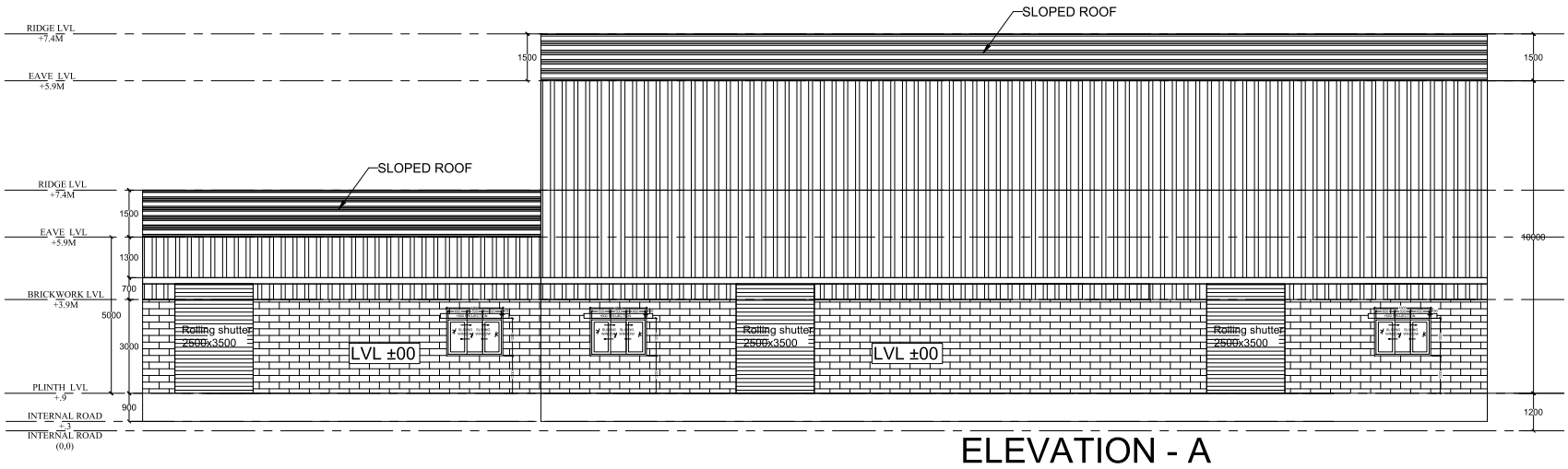
Drawn By :- Saeed Ansari

Date : 09.09.2021

Drawing No - 02-06

PURPOSE : TENDER DRAWING

REVISION : -



ELEVATION - A

STRUCTO CREATIONS
STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar,
Delhi-110092
Lic. No. AM1778350

STRUCTO CREATIONS
(STRUCTURE CONSULTANT)

JAGAT RAM PARK,
LAXMI NAGAR, NEW DELHI -110092
EMAIL : msansari6313@gmail.com

CLIENT/SPV :

JORHAT AGRO
PRIVATE LIMITED

NAME OF PROJECT :

JORHAT AGRO PRIVATE LIMITED
C/O SRI PALASH HAZARIKA
MS HAZARIKA, RICE MILL
KHERAMA KACHARI GAON BORHOLLA,
JORHAT , JORHAT ,ASSAM , INDIA, 785631

Drawing Title :

MILLING & RICE ROOM
ELEVATION

Drawn By :- Saeed Ansari

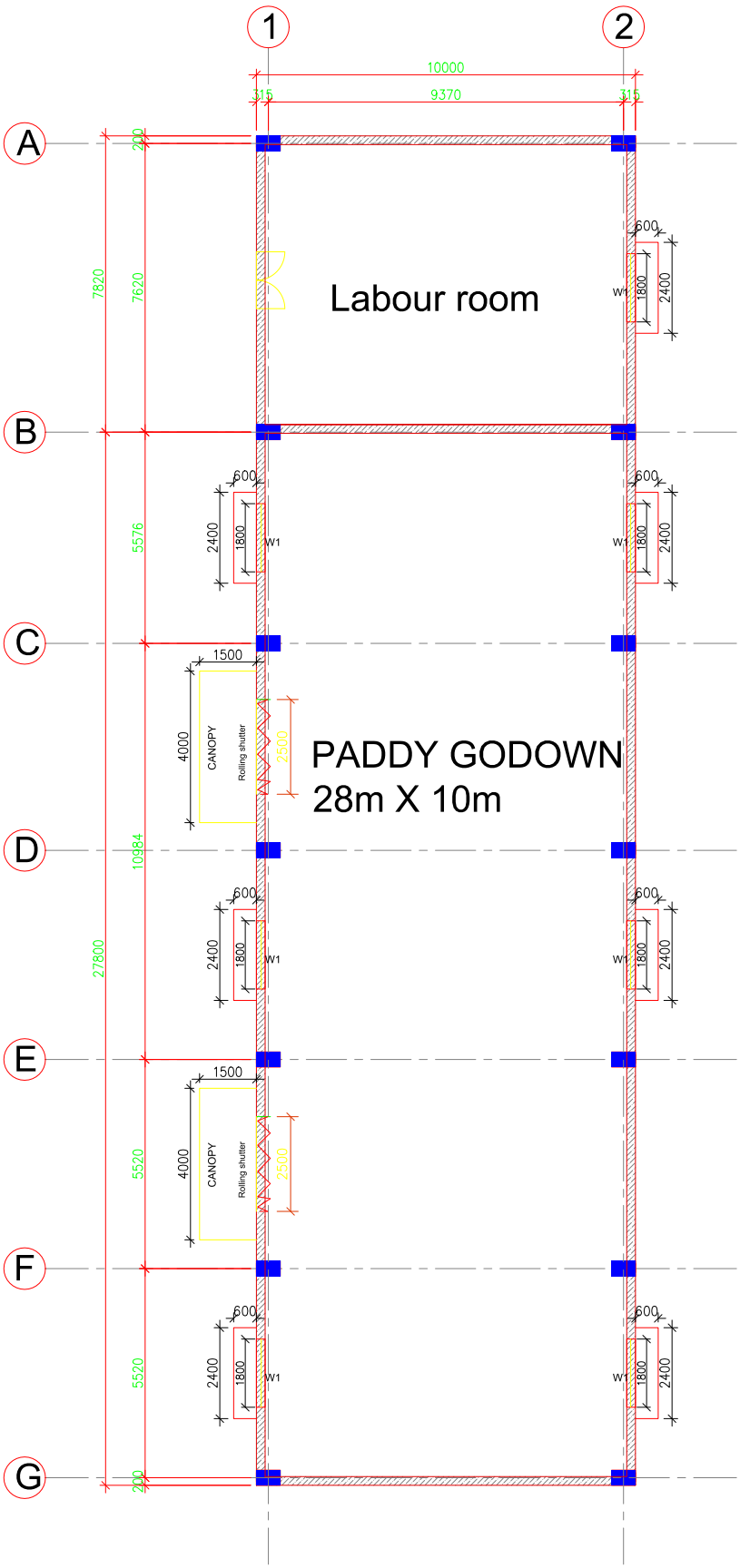
Date : 09.09.2021

Drawing No -

02-07

PURPOSE : TENDER
DRAWING

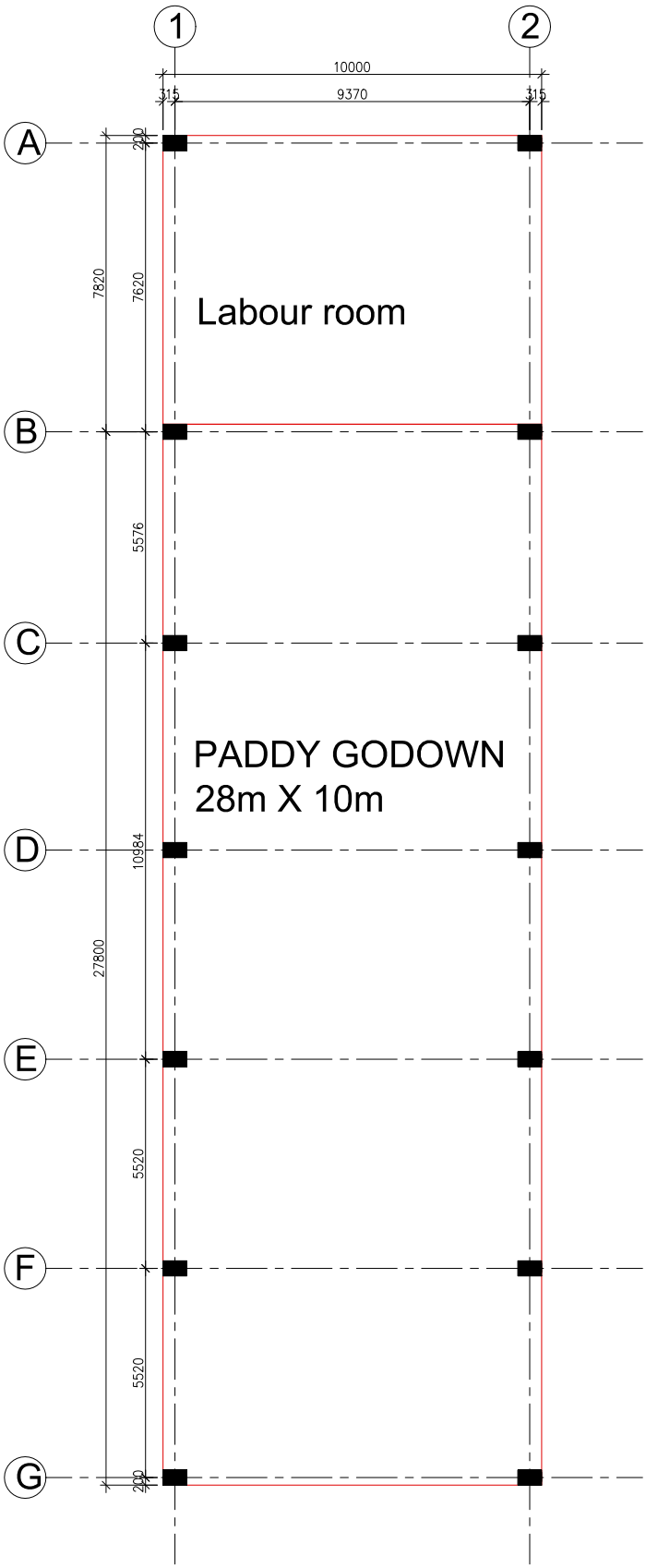
REVISION : -



PADDY GODOWN PLAN

STRUCTO CREATIONS
STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar,
Delhi-110092
Lic. No. AM1778350

STRUCTO CREATIONS (STRUCTURE CONSULTANT) JAGAT RAM PARK, LAXMI NAGAR, NEW DELHI -110092 EMAIL : msansari6313@gmail.com	NAME OF PROJECT : JORHAT AGRO PRIVATE LIMITED C/O SRI PALASH HAZARIKA MS HAZARIKA, RICE MILL KHERAMA KACHARI GAON BORHOLLA,JORHAT , JORHAT ,ASSAM , INDIA, 785631	CLIENT / SPV : JORHAT AGRO PRIVATE LIMITED DRAWING NO. 03-01	DRAWING TITLE - PADDY GODOWN PLAN PUPOSE - TENDER DRAWING Drawn By :- Saeed Ansari DATE- 09-09-2021



GENERAL NOTES –

NOTES & REFERENCES

1. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS. ANY DISCREPANCY IF FOUND SHALL BE BROUGHT TO THE NOTICE OF CONSULTANT
2. ALL DIMENSIONS ARE IN MM & LEVELS IN MILLIMETERS.
3. DO NOT SCALE ANY DIMENSION.
4. CONFIRM LOCATION OF WALLS WITH RELEVANT ARCH. DRG.S
5. CONCRETE GRADE IS M25
6. THE REINFORCEMENT SHALL BE SOLDTWISTED DEFORMED BARS (S.T.D) OR T.M.T. BARS HAVING YIELD. STRENGTH NOT LESS THAN 500 N/mm^2 AND CONFORMING TO I.S. 1786 – 2006.
7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS:–
   - (a) FOUNDATION : 50 MM
   - (b) COLUMNS : 40 MM
   - (S) BEAMS (top & bottom) 30 MM side Cover 25mm
   - (d) SLABS : 25 MM
   - (e) CHAJJAS/CANOPY : 30 MM
   - (f) R.C.C. WALL 30 MM(EARTH FACE) & 25MM(INNER FACE)
8. NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED AT ANY SECTION. LAPS CLOSE TO THE MID SPAN IN BOTTOM BARS & CLOSE TO SUPPORTS IN TOP BARS SHALL BE AVOIDED. LAP LENGHT IS 50d (d IS DIAMETRE OR BAR)
9. ---------- INDICATES TOP BARS
   ———— INDICATES BOTTOM BARS
   Opening in struStural element
   p.C.C work
   BriCk work
10. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND SURED THOROUGHLY AS PER I.S 456–LATEST.
11. ALL FOOTING ARE CENTRALLY PLACED WITH RESPECTED TO THE CENTER LINE OF COLUMN
12. REINFORCEMENT SHALL BE PROVIDED IN TWO LAYERS WHEREVER FOUND NECESSARY WITH SPACER BAR TO BE PROVIDED BETWEEN TWO LAYERS OF REINFORCEMENTS AS PER IS:456. SPACER BAR 50
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16. THE FIRST STIRRUPS IN BEAMS SHALL BE AT A DISTANCE OF 50MM FROM THE JOINT FACE THE SPECIAL CONFINING REINFORCEMENT SHALL BE PROVIDED THROUGH THE JOINT AT THE GIVEN SPACING IN COLUMNS.
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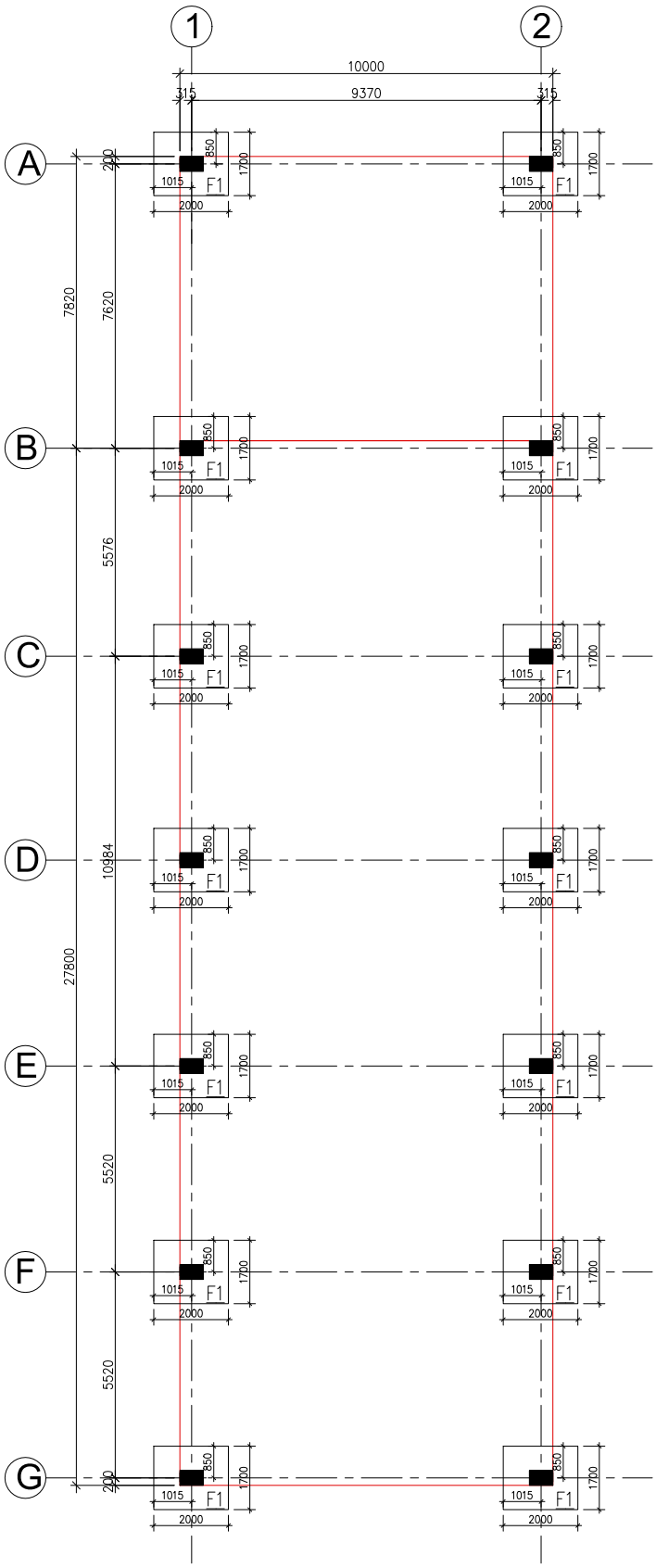
18. PROVIDE DIST STEEL OVER EXTRA TOP BARS IS:8 @150 C/C (6")
    8@150 C/C (6")
19. BLACK COTTON SOIL IF ENCOUNTERED IN FN PITS, SHALL BE FULLY REMOVED.
20. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.S.S.1:4:8

PADDY GODOWN
CENTER LINE PLAN

STRUCTO CREATIONS
STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar,
Delhi-110092
Lic. No. AM1778350

STRUCTO CREATIONS (STRUCTURE CONSULTANT) JAGAT RAM PARK, LAXMI NAGAR, NEW DELHI -110092 EMAIL : msansari6313@gmail.com	NAME OF PROJECT : JORHAT AGRO PRIVATE LIMITED C/O SRI PALASH HAZARIKA MS HAZARIKA, RICE MILL KHERAMA KACHARI GAON BORHOLLA,JORHAT , JORHAT ,ASSAM , INDIA, 785631	CLIENT / SPV : JORHAT AGRO PRIVATE LIMITED DRAWING NO. 03-02	DRAWING TITLE - PADDY GODOWN CENTER LINE PLAN PUPOSE - TENDER DRAWING Drawn By :- Saeed Ansari DATE- 09-09-2021



GENERAL NOTES –

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20. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.S.S.1:4:8

PADDY GODOWN
FOUNDATION PLAN

STRUCTO CREATIONS
STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar,
Delhi-110092
Lic. No. AM1778350

STRUCTO CREATIONS (STRUCTURE CONSULTANT) JAGAT RAM PARK, LAXMI NAGAR, NEW DELHI -110092 EMAIL : msansari6313@gmail.com	NAME OF PROJECT : JORHAT AGRO PRIVATE LIMITED C/O SRI PALASH HAZARIKA MS HAZARIKA, RICE MILL KHERAMA KACHARI GAON BORHOLLA,JORHAT , JORHAT ,ASSAM , INDIA, 785631	CLIENT / SPV : JORHAT AGRO PRIVATE LIMITED DRAWING NO. 03-03	DRAWING TITLE - PADDY GODOWN FOUNDATION PLAN PUPOSE - TENDER DRAWING Drawn By :- Saeed Ansari DATE- 09-09-2021

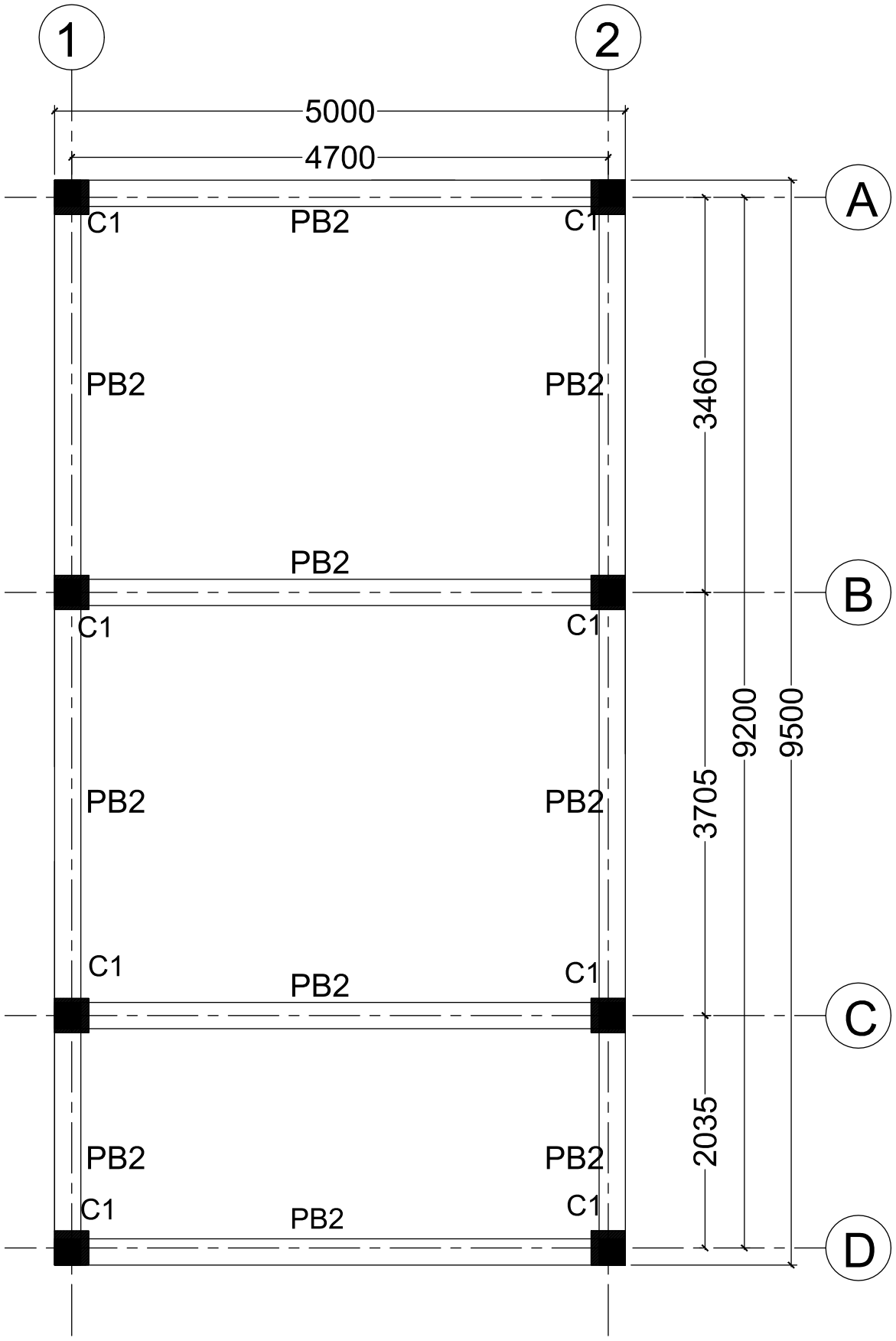
GENERAL NOTES –

NOTES & REFERENCES

1. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS. ANY DISCREPANCY IF FOUND SHALL BE BROUGHT TO THE NOTICE OF CONSULTANT
2. ALL DIMENSIONS ARE IN MM & LEVELS IN MILLIMETERS.
3. DO NOT SCALE ANY DIMENSION.
4. CONFIRM LOCATION OF WALLS WITH RELEVANT ARCH. DRGS
5. CONCRETE GRADE IS M25
6. THE REINFORCEMENT SHALL BE SOLDTWISTED DEFORMED BARS (S.T.D) OR T.M.T. BARS HAVING YIELD STRENGTH NOT LESS THAN 500 N/mm^2 AND CONFORMING TO I.S. 1786 – 2008.
7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS:–

(a)	FOUNDATION	:	50 MM
(b)	COLUMNS	:	40 MM
(S)	BEAMS (top & bottom)		30 MM side Cover 25mm
(d)	SLABS	:	25 MM
(e)	CHAJJAS/CANOPY	:	30 MM
(f)	R.C.C. WALL		30 MM(EARTH FACE) & 25MM(INNER FACE)

8. NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED AT ANY SECTION. LAPS CLOSE TO THE MID SPAN IN BOTTOM BARS & CLOSE TO SUPPORTS IN TOP BARS SHALL BE AVOIDED. LAP LENGHT IS 50d (d IS DIAMETRE OR BAR)
9. INDICATES TOP BARS
   INDICATES BOTTOM BARS
   Opening in struSturol element
   p.C.C work
   BrICk work
10. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND SURED THOROUGHLY AS PER I.S 456–LATEST.
11. ALL FOOTING ARE CENTRALLY PLACED WITH RESPECTED TO THE CENTER LINE OF COLUMN
12. REINFORCEMENT SHALL BE PROVIDED IN TWO LAYERS WHEREVER FOUND NECESSARY WITH SPACER BAR TO BE PROVIDED BETWEEN TWO LAYERS OF REINFORCEMENTS AS PER IS:456. SPACER BAR
13. ALL DIMENSIONS MUST BE CHECKED WITH ARCHITECT'S DRG.S & IN CASE OF ANY DISCREPANCY ARCHITECTS DRG.S SHALL PREVAIL.
14. ALL CONSTRUCTION JOINTS SHALL BE APPROVED BY CONSULTANT ON THE BASIC OF SCHEME PREPARED BY CONTRACTOR.
15. TOP AND BOTTOM EXTRA BARS IN BEAMS TO EXTEND BEYOND THE FACE OF SUPPORT AS SHOWN IN DWG UNLESS OTHERWISE SHOWN.
16. THE FIRST STIRRUPS IN BEAMS SHALL BE AT A DISTANCE OF 50MM FROM THE JOINT FACE THE SPECIAL CONFINING REINFORCEMENT SHALL BE PROVIDED THROUGH THE JOINT AT THE GIVEN SPACING IN COLUMNS.
17. All ANGLES ARE RIGHT ANGLES UNLESS OTHERWISE SPECIFIED.
18. PROVIDE DIST STEEL OVER EXTRA TOP BARS IS:8 @150 C/C (6")
    8ø@150 C/C (6")
19. BLACK COTTON SOIL IF ENCOUNTERED IN FN PITS, SHALL BE FULLY REMOVED.
20. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.S.S.1:4:8



ADMIN PLINTH BEAM LAYOUT

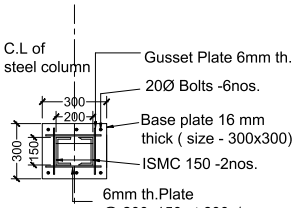
STRUCTO CREATIONS
STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar,
Delhi-110092
Lic. No. AM1778350

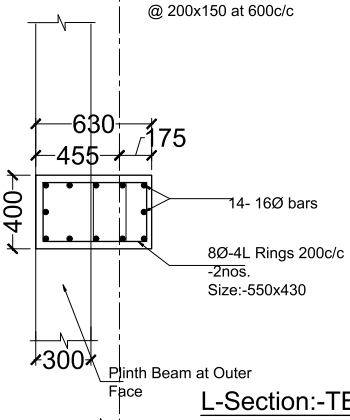
STRUCTO CREATIONS (STRUCTURE CONSULTANT) JAGAT RAM PARK, LAXMI NAGAR, NEW DELHI -110092 EMAIL : msansari6313@gmail.com	NAME OF PROJECT : JORHAT AGRO PRIVATE LIMITED C/O SRI PALASH HAZARIKA MS HAZARIKA, RICE MILL KHERAMA KACHARI GAON BORHOLLA,JORHAT , JORHAT ,ASSAM , INDIA, 785631	CLIENT / SPV : JORHAT AGRO PRIVATE LIMITED DRAWING NO. 04-04	DRAWING TITLE - OFFICE BUILDING PLINTH BEAM PLAN PUPOSE - TENDER DRAWING Drawn By :- Saeed Ansari DATE- 09-09-2021

GENERAL NOTES –

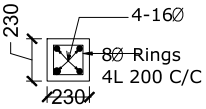
NOTES & REFERENCES

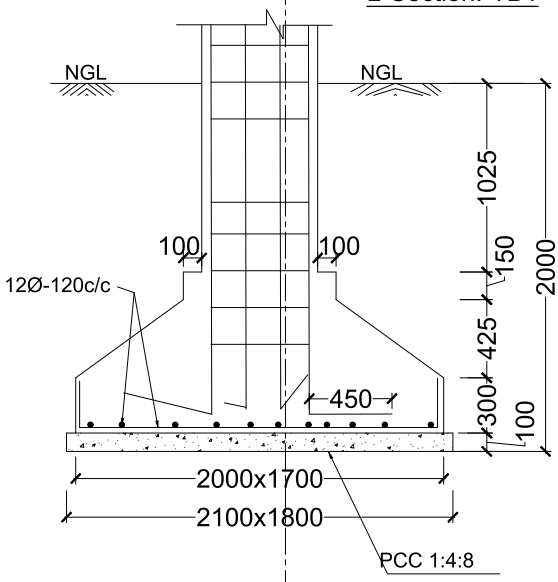
1. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS. ANY DISCREPANCY IF FOUND SHALL BE BROUGHT TO THE NOTICE OF CONSULTANT
2. ALL DIMENSIONS ARE IN MM & LEVELS IN MILLIMETERS.
3. DO NOT SCALE ANY DIMENSION.
4. CONFIRM LOCATION OF WALLS WITH RELEVANT ARCH. DRG.S
5. CONCRETE GRADE IS M25
6. THE REINFORCEMENT SHALL BE SOLDTWISTED DEFORMED BARS (S.T.D) OR T.M.T. BARS HAVING YIELD. STRENGTH NOT LESS THAN 500 N/mm^2 AND CONFORMING TO I.S. 1786 – 2006.
7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS: –
   - (a) FOUNDATION : 50 MM
   - (b) COLUMNS : 40 MM
   - (S) BEAMS (top & bottom) 30 MM side Cover 25mm
   - (d) SLABS : 25 MM
   - (e) CHAJJAS/CANOPY : 30 MM
   - (f) R.C.C. WALL 30 MM(EARTH FACE) & 25MM(INNER FACE)
8. NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED AT ANY SECTION. LAPS CLOSE TO THE MID SPAN IN BOTTOM BARS & CLOSE TO SUPPORTS IN TOP BARS SHALL BE AVOIDED. LAP LENGHT IS 50d (d IS DIAMETRE OR BAR)
9. ---------- INDICATES TOP BARS
   ——— INDICATES BOTTOM BARS
   Opening in struStural element
   p.C.C work
   BriCk work
10. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND SURED THOROUGHLY AS PER I.S 456–LATEST.
11. ALL FOOTING ARE CENTRALLY PLACED WITH RESPECTED TO THE CENTER LINE OF COLUMN
12. REINFORCEMENT SHALL BE PROVIDED IN TWO LAYERS WHEREVER FOUND NECESSARY WITH SPACER BAR TO BE PROVIDED BETWEEN TWO LAYERS OF REINFORCEMENTS AS PER IS: 456. SPACER BAR 50
13. ALL DIMENSIONS MUST BE CHECKED WITH ARCHITECT'S DRG.S & IN CASE OF ANY DISCREPANCY ARCHITECTS DRG.S SHALL PREVAIL.
14. ALL CONSTRUCTION JOINTS SHALL BE APPROVED BY CONSULTANT ON THE BASIC OF SCHEME PREPARED BY CONTRACTOR.
15. TOP AND BOTTOM EXTRA BARS IN BEAMS TO EXTEND BEYOND THE FACE OF SUPPORT AS SHOWN IN DWG UNLESS OTHERWISE SHOWN.
16. THE FIRST STIRRUPS IN BEAMS SHALL BE AT A DISTANCE OF 50MM FROM THE JOINT FACE THE SPECIAL CONFINING REINFORCEMENT SHALL BE PROVIDED THROUGH THE JOINT AT THE GIVEN SPACING IN COLUMNS.
17. All ANGLES ARE RIGHT ANGLES UNLESS OTHERWISE SPECIFIED.
18. PROVIDE DIST STEEL OVER EXTRA TOP BARS IS:8 @150 C/C (6")
19. BLACK COTTON SOIL IF ENCOUNTERED IN FN PITS, SHALL BE FULLY REMOVED.
20. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.S.S.1:4:8



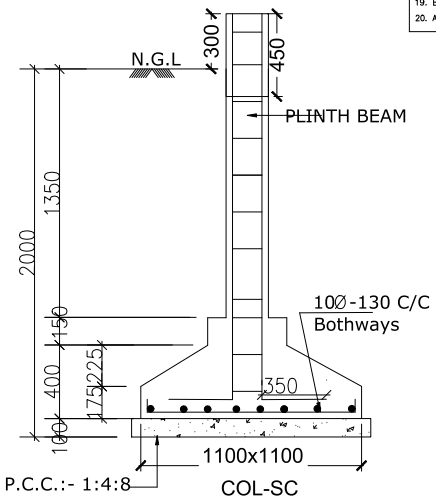


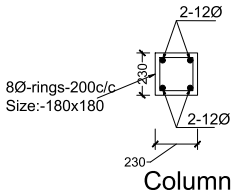
L-Section:-TB1



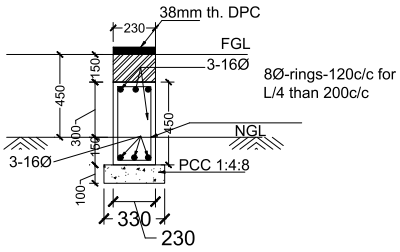


FOOTING F1

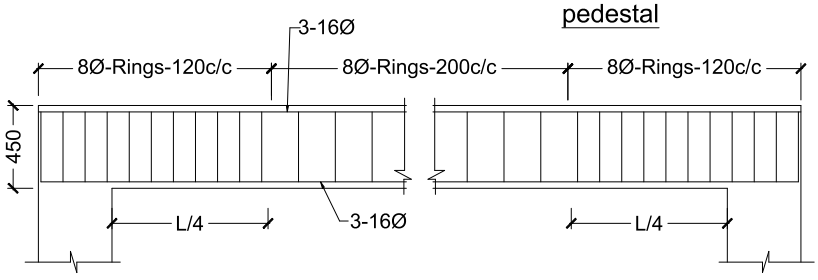




Column C1 from the pedestal reinforcement used from the pedestal



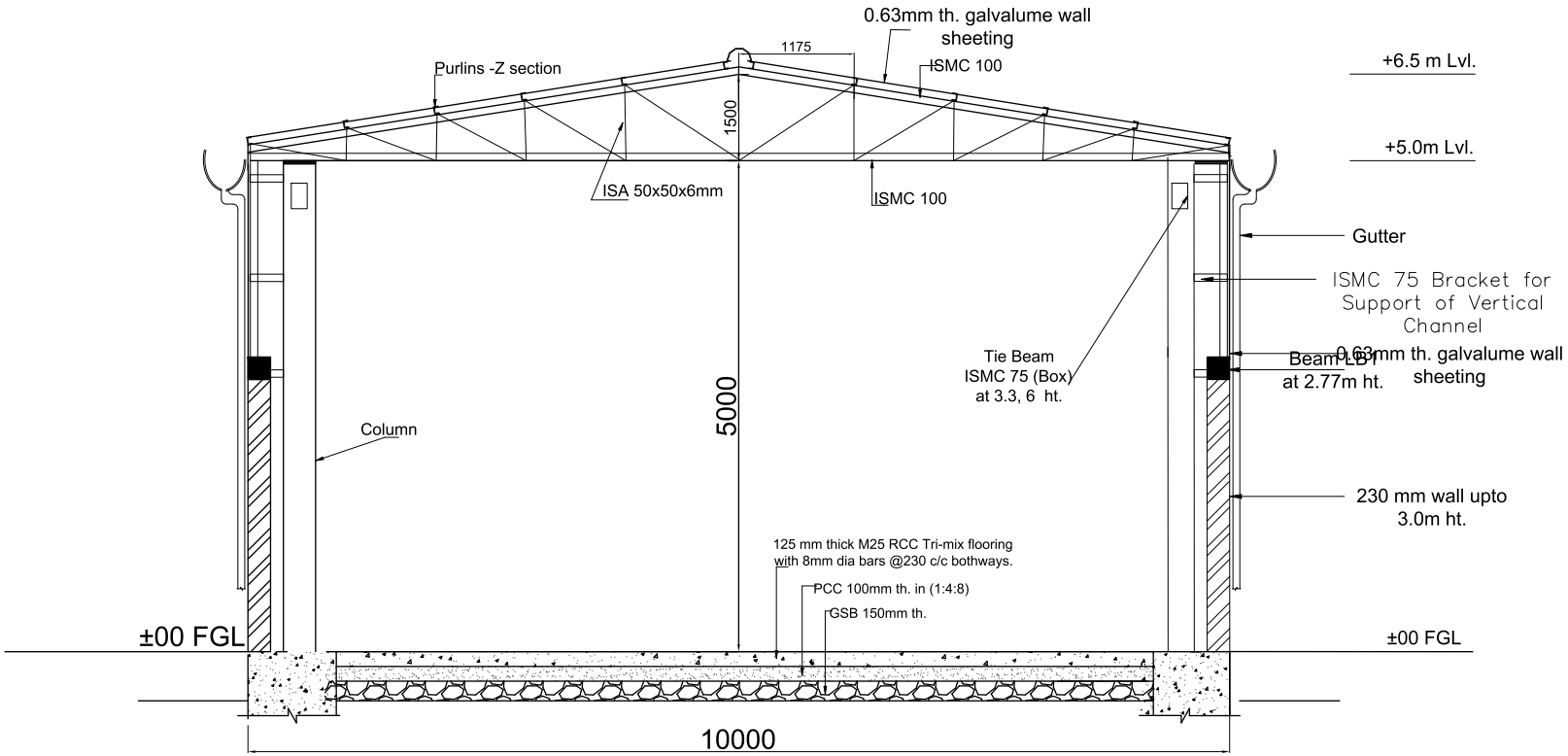
Plinth Beam:-PB1



L-Sectiom:-PB1

STRUCTO CREATIONS
STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar, Delhi-110092
Lic. No. AM1778350

STRUCTO CREATIONS (STRUCTURE CONSULTANT) JAGAT RAM PARK, LAXMI NAGAR, NEW DELHI -110092 EMAIL : msansari6313@gmail.com	NAME OF PROJECT : JORHAT AGRO PRIVATE LIMITED C/O SRI PALASH HAZARIKA MS HAZARIKA, RICE MILL KHERAMA KACHARI GAON BORHOLLA,JORHAT , JORHAT ,ASSAM , INDIA, 785631	CLIENT / SPV : JORHAT AGRO PRIVATE LIMITED DRAWING NO. 03-05	DRAWING TITLE - PADDY GODOWN STRUCTUE DETAIL PUPOSE - TENDER DRAWING Drawn By :- Saeed Ansari DATE- 09-09-2021



SECTION

STRUCTO CREATIONS
STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar,
Delhi-110092
Lic. No. AM1778350

STRUCTO CREATIONS
(STRUCTURE CONSULTANT)

JAGAT RAM PARK,
LAXMI NAGAR, NEW DELHI -110092
EMAIL : msansari6313@gmail.com

CLIENT/SPV :

JORHAT AGRO PRIVATE LIMITED

NAME OF PROJECT :

JORHAT AGRO PRIVATE LIMITED
C/O SRI PALASH HAZARIKA
MS HAZARIKA, RICE MILL
KHERAMA KACHARI GAON BORHOLLA,
JORHAT , JORHAT ,ASSAM , INDIA, 785631

Drawing Title :

PADDY GODOWN SECTION

Drawn By :- Saeed Ansari

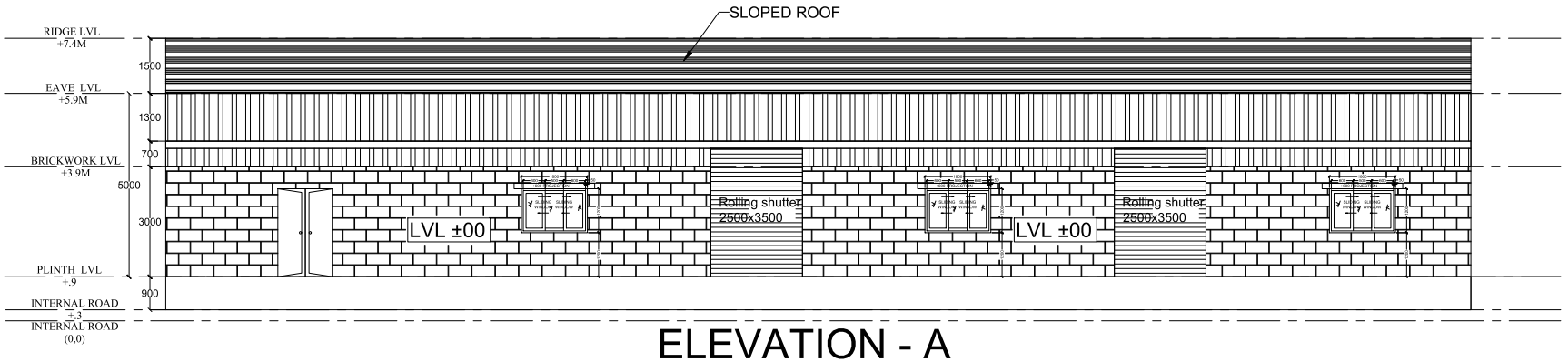
Date : 09.09.2021

Drawing No -

03-06

PURPOSE : TENDER DRAWING

REVISION : -



ELEVATION - A

STRUCTO CREATIONS
STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar,
Delhi-110092
Lic. No. AM1778350

STRUCTO CREATIONS
(STRUCTURE CONSULTANT)

JAGAT RAM PARK,
LAXMI NAGAR, NEW DELHI -110092
EMAIL : msansari6313@gmail.com

CLIENT/SPV :

JORHAT AGRO
PRIVATE LIMITED

NAME OF PROJECT :

JORHAT AGRO PRIVATE LIMITED
C/O SRI PALASH HAZARIKA
MS HAZARIKA, RICE MILL
KHERAMA KACHARI GAON BORHOLLA,
JORHAT , JORHAT ,ASSAM , INDIA, 785631

Drawing Title :

PADDY GODOWN
ELEVATION

Drawn By :- Saeed Ansari

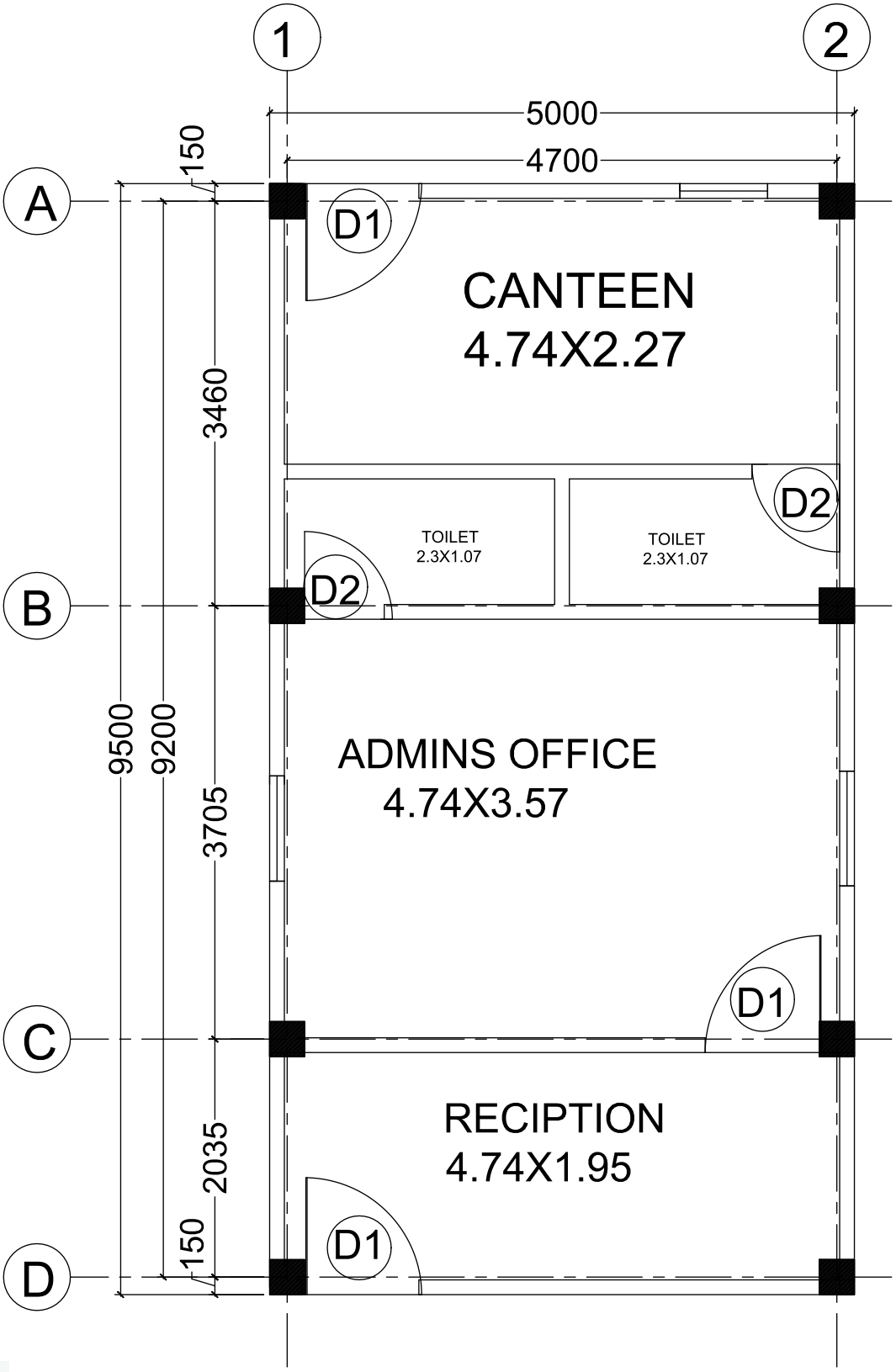
Date : 09.09.2021

Drawing No -

03-07

PURPOSE : TENDER DRAWING

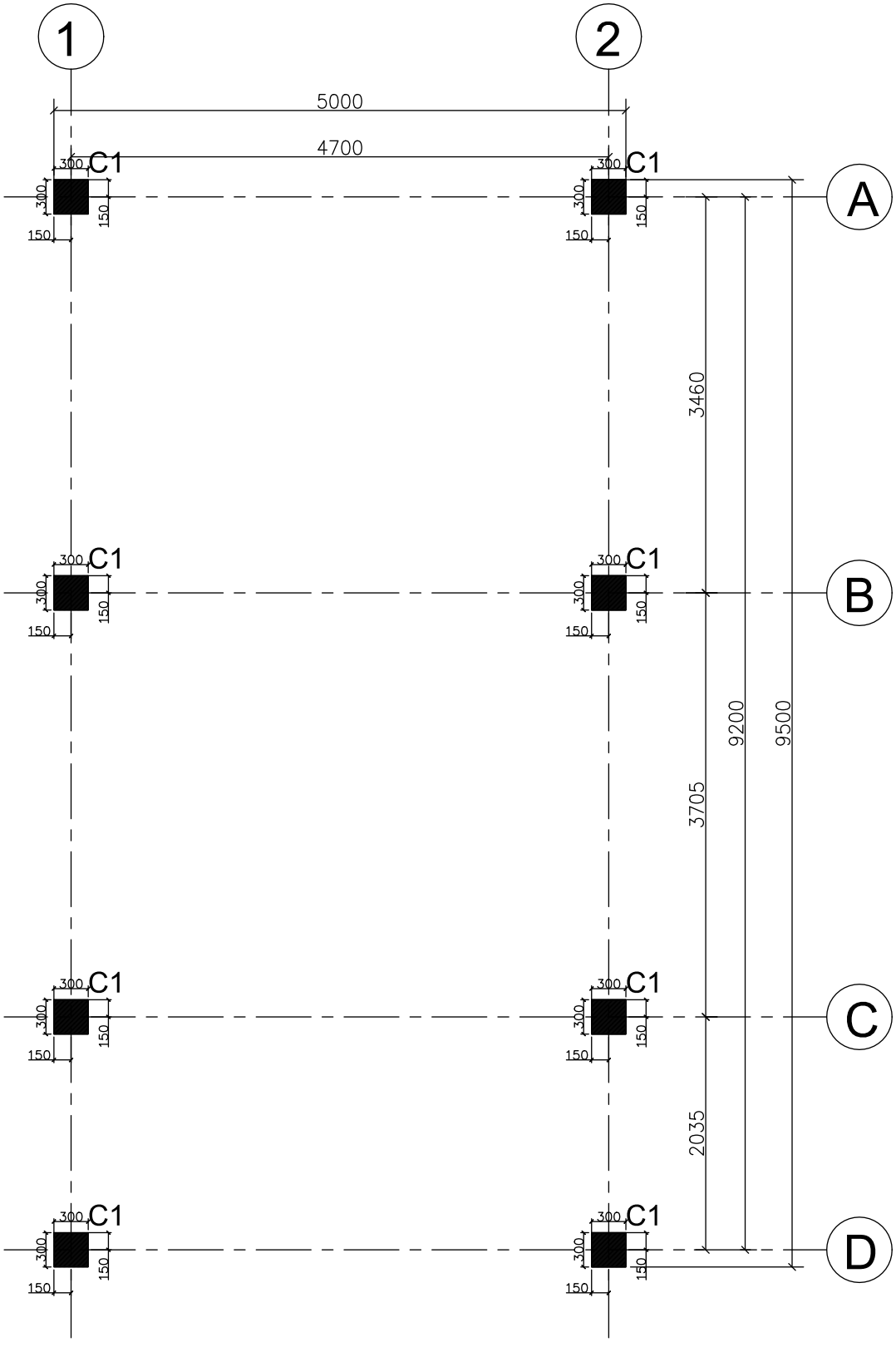
REVISION : -



PLAN OF ADMIN. OFFICE

STRUCTO CREATIONS
STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar,
Delhi-110092
Lic. No. AM1778350

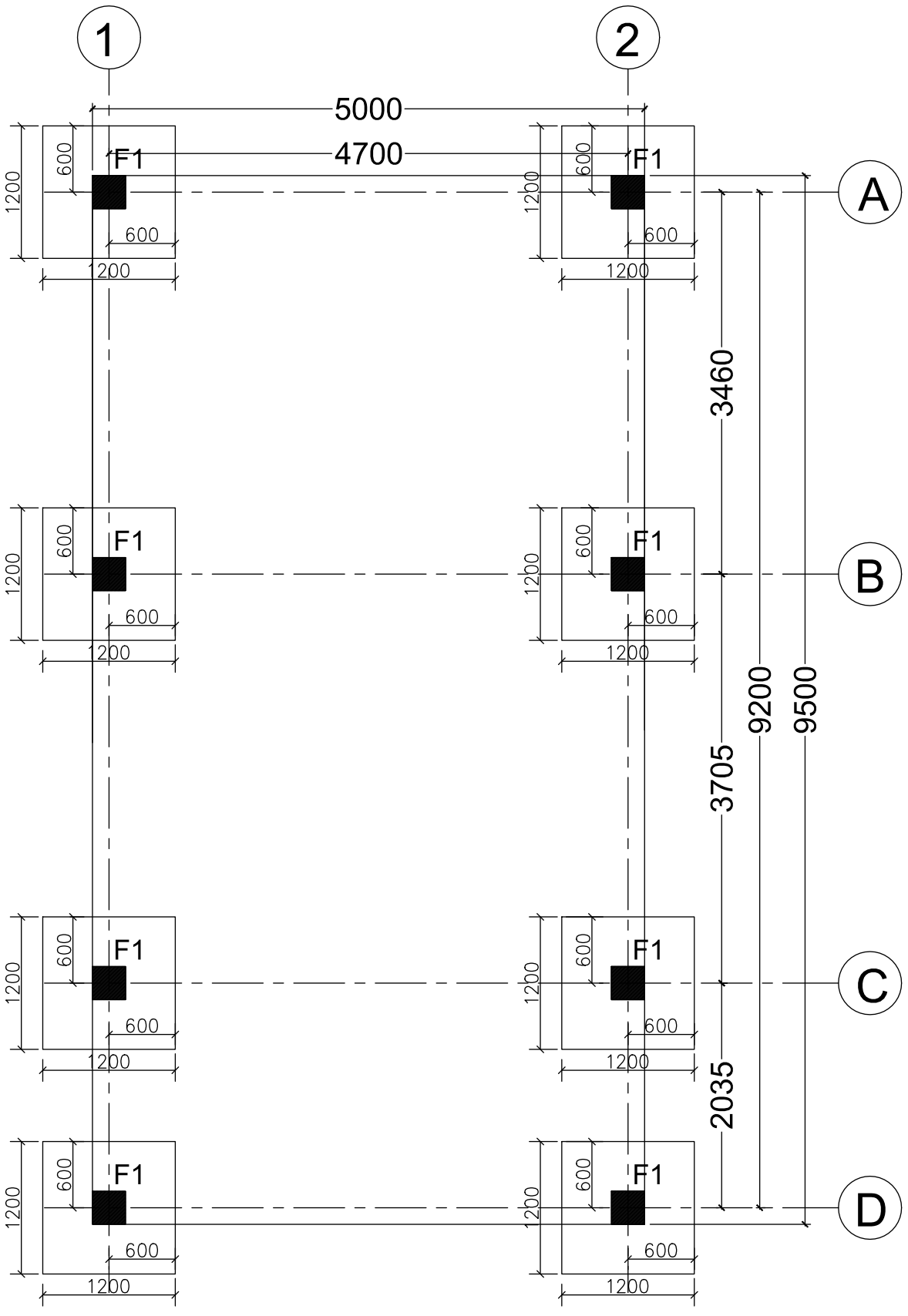
STRUCTO CREATIONS (STRUCTURE CONSULTANT) JAGAT RAM PARK, LAXMI NAGAR, NEW DELHI -110092 EMAIL : msansari6313@gmail.com	NAME OF PROJECT : JORHAT AGRO PRIVATE LIMITED C/O SRI PALASH HAZARIKA MS HAZARIKA, RICE MILL KHERAMA KACHARI GAON BORHOLLA,JORHAT , JORHAT ,ASSAM , INDIA, 785631	CLIENT / SPV : JORHAT AGRO PRIVATE LIMITED DRAWING NO. 04-01	DRAWING TITLE - OFFICE BUILDING PLAN PUPOSE - TENDER DRAWING Drawn By :- Saeed Ansari DATE- 09-09-2021



STRUCTO CREATIONS
STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar,
Delhi-110092
Lic. No. AM1778350

ADMIN CENTER LINE PLAN

STRUCTO CREATIONS (STRUCTURE CONSULTANT) JAGAT RAM PARK, LAXMI NAGAR, NEW DELHI -110092 EMAIL : msansari6313@gmail.com	NAME OF PROJECT : JORHAT AGRO PRIVATE LIMITED C/O SRI PALASH HAZARIKA MS HAZARIKA, RICE MILL KHERAMA KACHARI GAON BORHOLLA,JORHAT , JORHAT ,ASSAM , INDIA, 785631	CLIENT / SPV : JORHAT AGRO PRIVATE LIMITED DRAWING NO. 04-02	DRAWING TITLE - OFFICE BUILDING CENTERLINE PLAN PUPOSE - TENDER DRAWING Drawn By :- Saeed Ansari DATE- 09-09-2021



GENERAL NOTES –

NOTES & REFERENCES

1. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS. ANY DISCREPANCY IF FOUND SHALL BE BROUGHT TO THE NOTICE OF CONSULTANT
2. ALL DIMENSIONS ARE IN MM & LEVELS IN MILLIMETERS.
3. DO NOT SCALE ANY DIMENSION.
4. CONFIRM LOCATION OF WALLS WITH RELEVANT ARCH. DRGS
5. CONCRETE GRADE IS M25
6. THE REINFORCEMENT SHALL BE SOLDTWISTED DEFORMED BARS (S.T.D) OR T.M.T. BARS HAVING YIELD STRENGTH NOT LESS THAN 500 N/mm^2 AND CONFORMING TO I.S. 1786 – 2008.
7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS:–

(a)	FOUNDATION	:	50 MM
(b)	COLUMNS	:	40 MM
(S)	BEAMS (top & bottom)		30 MM side Cover 25mm
(d)	SLABS	:	25 MM
(e)	CHAJJAS/CANOPY	:	30 MM
(f)	R.C.C. WALL		30 MM(EARTH FACE) & 25MM(INNER FACE)

8. NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED AT ANY SECTION. LAPS CLOSE TO THE MID SPAN IN BOTTOM BARS & CLOSE TO SUPPORTS IN TOP BARS SHALL BE AVOIDED. LAP LENGHT IS 50d (d IS DIAMETRE OR BAR)
9. INDICATES TOP BARS
INDICATES BOTTOM BARS
Opening in structural element
P.C.C work
BrICk work
10. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND SURED THOROUGHLY AS PER I.S 456–LATEST.
11. ALL FOOTING ARE CENTRALLY PLACED WITH RESPECTED TO THE CENTER LINE OF COLUMN
12. REINFORCEMENT SHALL BE PROVIDED IN TWO LAYERS WHEREVER FOUND NECESSARY WITH SPACER BAR TO BE PROVIDED BETWEEN TWO LAYERS OF REINFORCEMENTS AS PER IS:456 SPACER BARS
13. ALL DIMENSIONS MUST BE CHECKED WITH ARCHITECT'S DRG.S & IN CASE OF ANY DISCREPANCY ARCHITECTS DRG.S SHALL PREVAIL.
14. ALL CONSTRUCTION JOINTS SHALL BE APPROVED BY CONSULTANT ON THE BASIC OF SCHEME PREPARED BY CONTRACTOR.
15. TOP AND BOTTOM EXTRA BARS IN BEAMS TO EXTEND BEYOND THE FACE OF SUPPORT AS SHOWN IN DWG UNLESS OTHERWISE SHOWN.
16. THE FIRST STIRRUPS IN BEAMS SHALL BE AT A DISTANCE OF 50MM FROM THE JOINT FACE. THE SPECIAL CONFINED REINFORCEMENT SHALL BE PROVIDED THROUGH THE JOINT AT THE GIVEN SPACING IN COLUMNS.
17. All ANGLES ARE RIGHT ANGLES UNLESS OTHERWISE SPECIFIED.
18. PROVIDE DIST STEEL OVER EXTRA TOP BARS IS:8 @250 C/C (6") @250 C/C (6")
19. BLACK COTTON SOIL IF ENCOUNTERED IN FN PITS, SHALL BE FULLY REMOVED.
20. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.S.S.1:4:8

ADMIN FOUNDATION LAYOUT

STRUCTO CREATIONS
STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar,
Delhi-110092
Lic. No. AM1778350

STRUCTO CREATIONS (STRUCTURE CONSULTANT) JAGAT RAM PARK, LAXMI NAGAR, NEW DELHI -110092 EMAIL : msansari6313@gmail.com	NAME OF PROJECT : JORHAT AGRO PRIVATE LIMITED C/O SRI PALASH HAZARIKA MS HAZARIKA, RICE MILL KHERAMA KACHARI GAON BORHOLLA,JORHAT , JORHAT ,ASSAM , INDIA, 785631	CLIENT / SPV : JORHAT AGRO PRIVATE LIMITED DRAWING NO. 04-03	DRAWING TITLE - OFFICE BUILDING FOUNDATION PLAN PUPOSE - TENDER DRAWING Drawn By :- Saeed Ansari DATE- 09-09-2021

GENERAL NOTES –

NOTES & REFERENCES

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3. DO NOT SCALE ANY DIMENSION.
4. CONFIRM LOCATION OF WALLS WITH RELEVANT ARCH. DRGS
5. CONCRETE GRADE IS M25
6. THE REINFORCEMENT SHALL BE SOLDTWISTED DEFORMED BARS (S.T.D) OR T.M.T. BARS HAVING YIELD STRENGTH NOT LESS THAN 500 N/mm^2 AND CONFORMING TO I.S. 1786 – 2006.
7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS:–

(a)	FOUNDATION	:	50 MM
(b)	COLUMNS	:	40 MM
(S)	BEAMS (top & bottom)		30 MM side Cover 25mm
(d)	SLABS	:	25 MM
(e)	CHAJJAS/CANOPY	:	30 MM
(f)	R.C.C. WALL		30 MM(EARTH FACE) & 25MM(INNER FACE)

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9. ~~~~~~~~ INDICATES TOP BARS
   ———— INDICATES BOTTOM BARS
   Opening in structural element
   p.C.C work
   Brick work
10. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND SURED THOROUGHLY AS PER I.S 456–LATEST.
11. ALL FOOTING ARE CENTRALLY PLACED WITH RESPECTED TO THE CENTER LINE OF COLUMN
12. REINFORCEMENT SHALL BE PROVIDED IN TWO LAYERS WHEREVER FOUND NECESSARY WITH SPACER BAR TO BE PROVIDED BETWEEN TWO LAYERS OF REINFORCEMENTS AS PER IS:456. SPACER BARS
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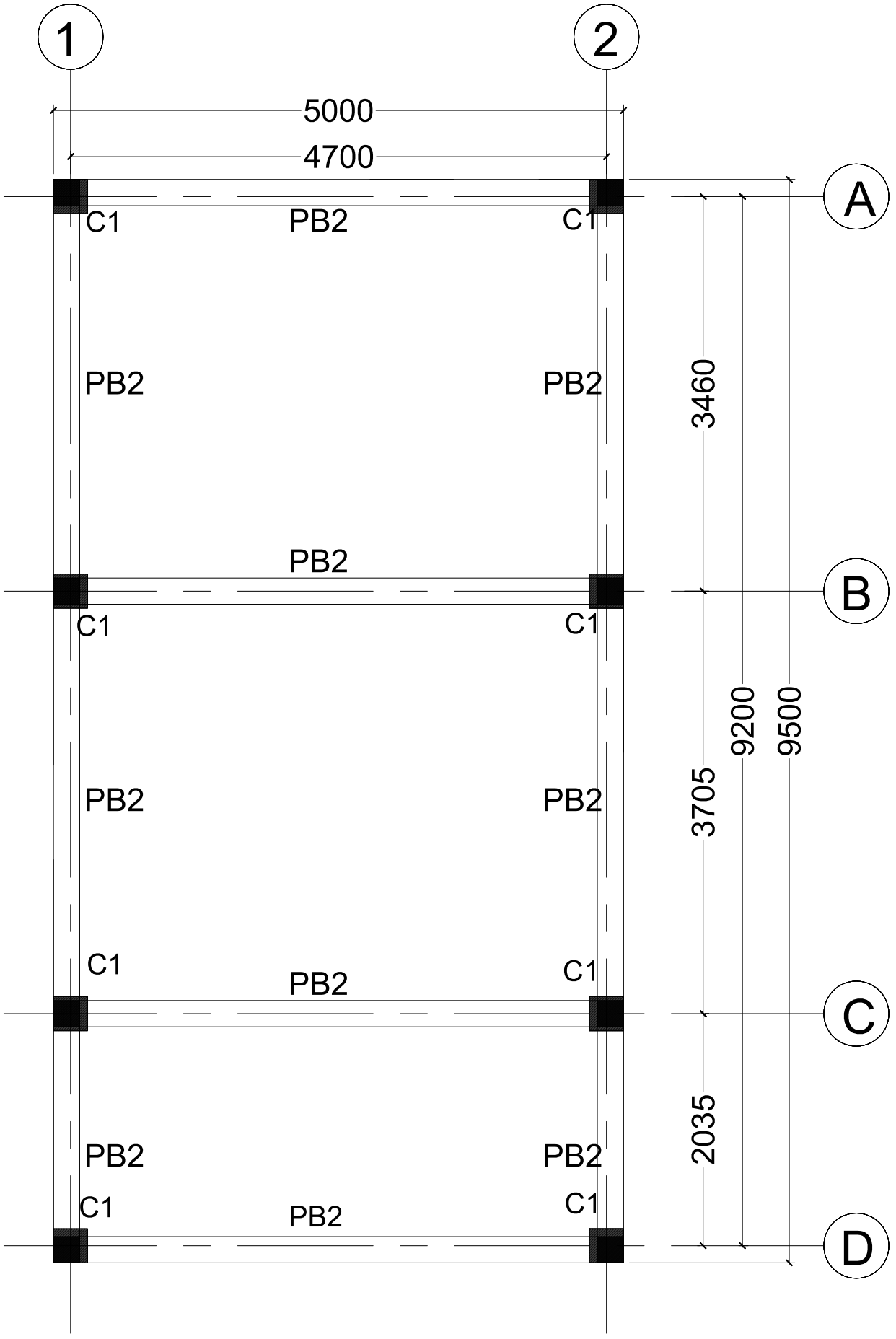
16. THE FIRST STIRRUPS IN BEAMS SHALL BE AT A DISTANCE OF 50MM FROM THE JOINT FACE THE SPECIAL CONFINING REINFORCEMENT SHALL BE PROVIDED THROUGH THE JOINT AT THE GIVEN SPACING IN COLUMNS.
17. All ANGLES ARE RIGHT ANGLES UNLESS OTHERWISE SPECIFIED.
18. PROVIDE DIST STEEL OVER EXTRA TOP BARS IS:8 @150 C/C (6") — 8@150 C/C (6")
19. BLACK COTTON SOIL IF ENCOUNTERED IN FN PITS, SHALL BE FULLY REMOVED.
20. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.S.S.1:4:8



ADMIN PLINTH BEAM LAYOUT

STRUCTO CREATIONS
STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar,
Delhi-110092
Lic. No. AM1778350

NAME OF PROJECT :	CLIENT / SPV :	DRAWING TITLE - OFFICE BUILDING PLINTH BEAM PLAN
JORHAT AGRO PRIVATE LIMITED C/O SRI PALASH HAZARIKA MS HAZARIKA, RICE MILL KHERAMA KACHARI GAON BORHOLLA, JORHAT , JORHAT ,ASSAM , INDIA, 785631	JORHAT AGRO PRIVATE LIMITED	PUPOSE - TENDER DRAWING DATE- 09-09-2021 DRAWING NO. 04-04

GENERAL NOTES –

NOTES & REFERENCES

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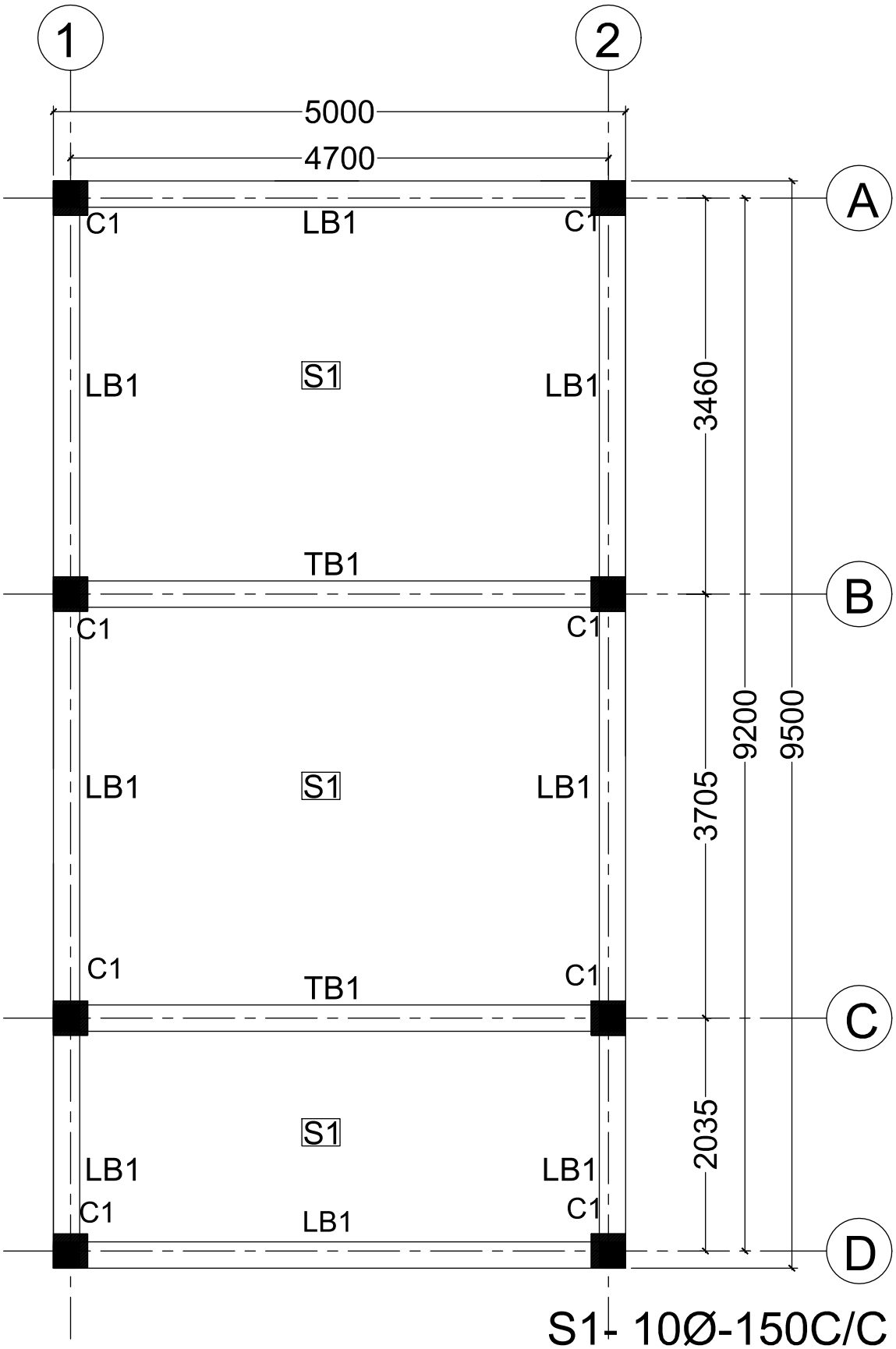
3. DO NOT SCALE ANY DIMENSION.
4. CONFIRM LOCATION OF WALLS WITH RELEVANT ARCH. DRGS
5. CONCRETE GRADE IS M25
6. THE REINFORCEMENT SHALL BE SOLDTMSTED DEFORMED BARS (S.T.D) OR T.M.T. BARS HAVING YIELD STRENGTH NOT LESS THAN 500 N/mm² AND CONFORMING TO I.S. 1786 – 2008.
7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS:–

(a)	FOUNDATION	:	50 MM
(b)	COLUMNS	:	40 MM
(S)	BEAMS (top & bottom)		30 MM side Cover 25mm
(d)	SLABS	:	25 MM
(e)	CHAJJAS/CANOPY	:	30 MM
(f)	R.C.C. WALL		30 MM(EARTH FACE) & 25MM(INNER FACE)

8. NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED AT ANY SECTION. LAPS CLOSE TO THE MID SPAN IN BOTTOM BARS & CLOSE TO SUPPORTS IN TOP BARS SHALL BE AVOIDED. LAP LENGHT IS 50d (d IS DIAMETRE OR BAR)
9. INDICATES TOP BARS
   INDICATES BOTTOM BARS
   Opening in struSturel element
   p.C.C work
   BrICk work
10. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND SURED THOROUGHLY AS PER I.S 456–LATEST.
11. ALL FOOTING ARE CENTRALLY PLACED WITH RESPECTED TO THE CENTER LINE OF COLUMN
12. REINFORCEMENT SHALL BE PROVIDED IN TWO LAYERS WHEREVER FOUND NECESSARY WITH SPACER BAR TO BE PROVIDED BETWEEN TWO LAYERS OF REINFORCEMENTS AS PER IS:456. SPACER BAR
13. ALL DIMENSIONS MUST BE CHECKED WITH ARCHITECT'S DRG.S & IN CASE OF ANY DISCREPANCY ARCHITECTS DRG.S SHALL PREVAIL.
14. ALL CONSTRUCTION JOINTS SHALL BE APPROVED BY CONSULTANT ON THE BASIC OF SCHEME PREPARED BY CONTRACTOR.
15. TOP AND BOTTOM EXTRA BARS IN BEAMS TO EXTEND BEYOND THE FACE OF SUPPORT AS SHOWN IN DWG UNLESS OTHERWISE SHOWN.
16. THE FIRST STIRRUPS IN BEAMS SHALL BE AT A DISTANCE OF 50MM FROM THE JOINT FACE THE SPECIAL CONFINING REINFORCEMENT SHALL BE PROVIDED THROUGH THE JOINT AT THE GIVEN SPACING IN COLUMNS.
17. All ANGLES ARE RIGHT ANGLES UNLESS OTHERWISE SPECIFIED.
18. PROVIDE DIST STEEL OVER EXTRA TOP BARS IS:8 @150 C/C (6") @150 C/C (6")
19. BLACK COTTON SOIL IF ENCOUNTERED IN FN PITS, SHALL BE FULLY REMOVED.
20. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.S.S.1:4:8

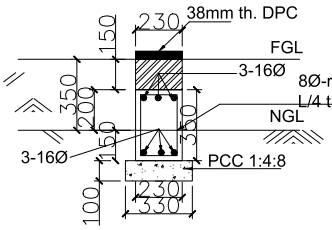


S1- 10Ø-150C/C
Bothways 150TH.

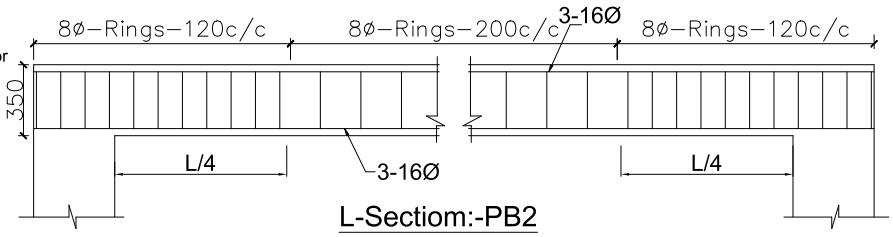
ADMIN SLAB LAYOUT

STRUCTO CREATIONS
STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar,
Delhi-110092
Lic. No. AM1778350

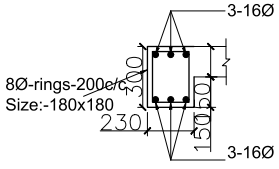
STRUCTO CREATIONS (STRUCTURE CONSULTANT) JAGAT RAM PARK, LAXMI NAGAR, NEW DELHI -110092 EMAIL : msansari6313@gmail.com	NAME OF PROJECT : JORHAT AGRO PRIVATE LIMITED C/O SRI PALASH HAZARIKA MS HAZARIKA, RICE MILL KHERAMA KACHARI GAON BORHOLLA,JORHAT , JORHAT ,ASSAM , INDIA, 785631	CLIENT / SPV : JORHAT AGRO PRIVATE LIMITED DRAWING NO. 04-05	DRAWING TITLE - OFFICE BUILDING SLAB PLAN PUPOSE - TENDER DRAWING Drawn By :- Saeed Ansari DATE- 09-09-2021



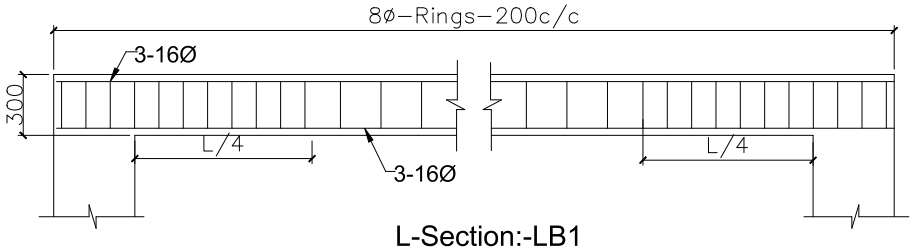
Plinth Beam:-PB2



L-Sectiom:-PB2



Beam:-LB1
at 3m Lvl.



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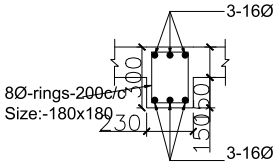
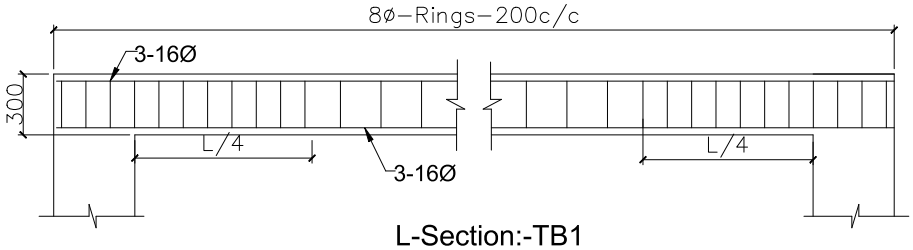


Beam:-TB1
at 3m Lvl.



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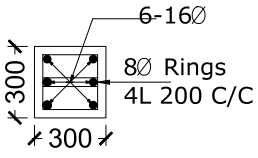
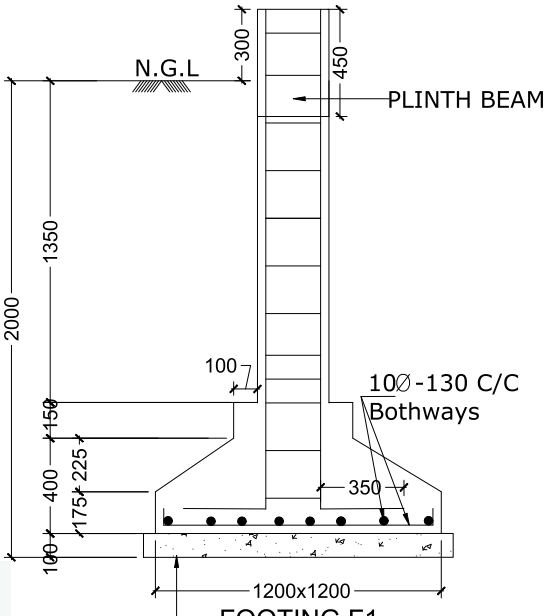


COL. C1



P.C.C.:- 1:4:8

FOOTING F1

GENERAL NOTES –

NOTES & REFERENCES

1. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS. ANY DISCREPANCY IF FOUND SHALL BE BROUGHT TO THE NOTICE OF CONSULTANT
2. ALL DIMENSIONS ARE IN MM & LEVELS IN MILLIMETERS.
3. DO NOT SCALE ANY DIMENSION.
4. CONFIRM LOCATION OF WALLS WITH RELEVANT ARCH. DRG.S
5. CONCRETE GRADE IS M25
6. THE REINFORCEMENT SHALL BE SOLDTWISTED DEFORMED BARS (S.T.D) OR T.M.T. BARS HAVING YIELD. STRENGTH NOT LESS THAN 500 N/mm^2 AND CONFORMING TO I.S. 1786 – 2006.
7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS: –

(a)	FOUNDATION	:	50 MM
(b)	COLUMNS	:	40 MM
(S)	BEAMS (top & bottom)		30 MM side Cover 25mm
(d)	SLABS	:	25 MM
(e)	CHAJJAS/CANOPY	:	30 MM
(f)	R.C.C. WALL		30 MM(EARTH FACE) & 25MM(INNER FACE)

8. NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED AT ANY SECTION. LAPS CLOSE TO THE MID SPAN IN BOTTOM BARS & CLOSE TO SUPPORTS IN TOP BARS SHALL BE AVOIDED. LAP LENGHT IS 50d (d IS DIAMETRE OR BAR)
9. ———— INDICATES TOP BARS
   ———— INDICATES BOTTOM BARS
   Opening In struSturaI element
   p.C.C work
   BriCk work
10. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND SURED THOROUGHLY AS PER I.S 456–LATEST.
11. ALL FOOTING ARE CENTRALLY PLACED WITH RESPECTED TO THE CENTER LINE OF COLUMN
12. REINFORCEMENT SHALL BE PROVIDED IN TWO LAYERS WHEREVER FOUND NECESSARY WITH SPACER BAR TO BE PROVIDED BETWEEN TWO LAYERS OF REINFORCEMENTS AS PER IS: 456. SPACER BAR
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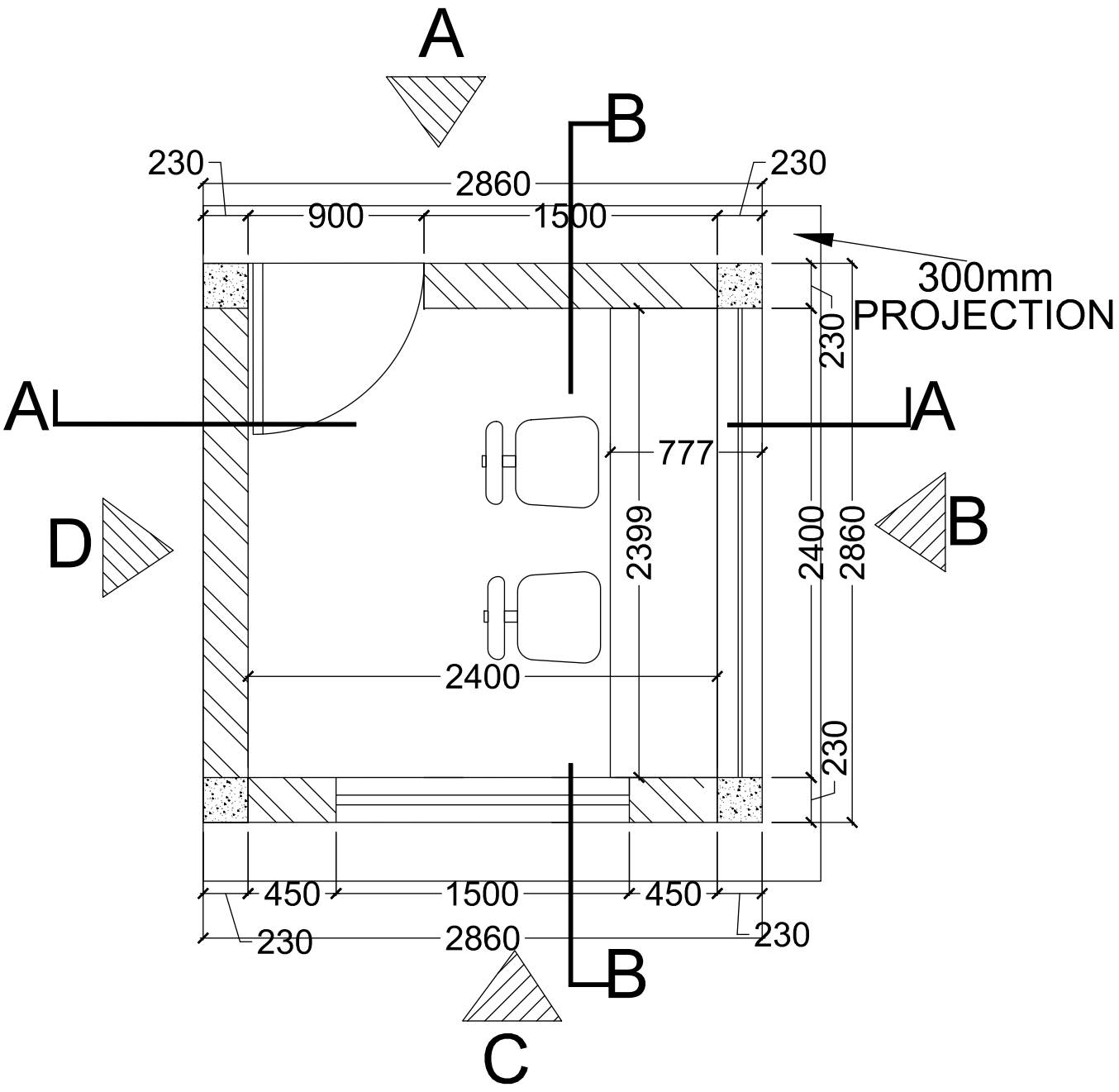
14. ALL CONSTRUCTION JOINTS SHALL BE APPROVED BY CONSULTANT ON THE BASIC OF SCHEME PREPARED BY CONTRACTOR.
15. TOP AND BOTTOM EXTRA BARS IN BEAMS TO EXTEND BEYOND THE FACE OF SUPPORT AS SHOWN IN DWG UNLESS OTHERWISE SHOWN.
16. THE FIRST STIRRUPS IN BEAMS SHALL BE AT A DISTANCE OF 50MM FROM THE JOINT FACE THE SPECIAL CONFINING REINFORCEMENT SHALL BE PROVIDED THROUGH THE JOINT AT THE GIVEN SPACING IN COLUMNS.
17. All ANGLES ARE RIGHT ANGLES UNLESS OTHERWISE SPECIFIED.
18. PROVIDE DIST STEEL OVER EXTRA TOP BARS IS: 8@150 C/C (6")
    8@150 C/C (6")
19. BLACK COTTON SOIL IF ENCOUNTERED IN FN PITS, SHALL BE FULLY REMOVED.
20. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.S.S.1:4:8

STRUCTO CREATIONS
STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar, Delhi-110092
Lic. No. AM1778350

STRUCTO CREATIONS (STRUCTURE CONSULTANT) JAGAT RAM PARK, LAXMI NAGAR, NEW DELHI -110092 EMAIL : msansari6313@gmail.com	NAME OF PROJECT : JORHAT AGRO PRIVATE LIMITED C/O SRI PALASH HAZARIKA MS HAZARIKA, RICE MILL KHERAMA KACHARI GAON BORHOLLA,JORHAT , JORHAT ,ASSAM , INDIA, 785631	CLIENT / SPV : JORHAT AGRO PRIVATE LIMITED DRAWING NO. 04-06	DRAWING TITLE - OFFICE BUILDING STRUCTUE DETAIL PUPOSE - TENDER DRAWING Drawn By :- Saeed Ansari DATE- 09-09-2021



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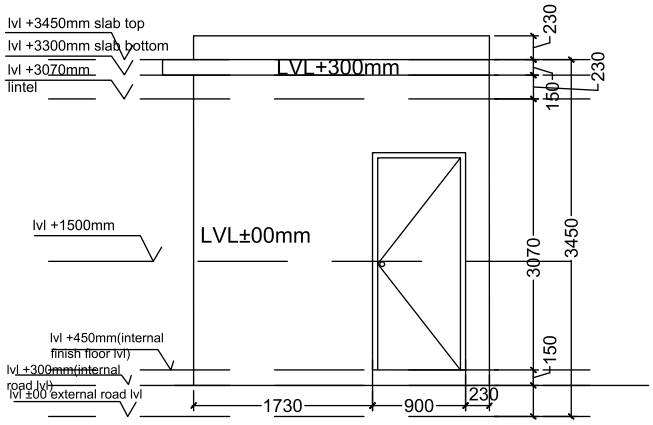
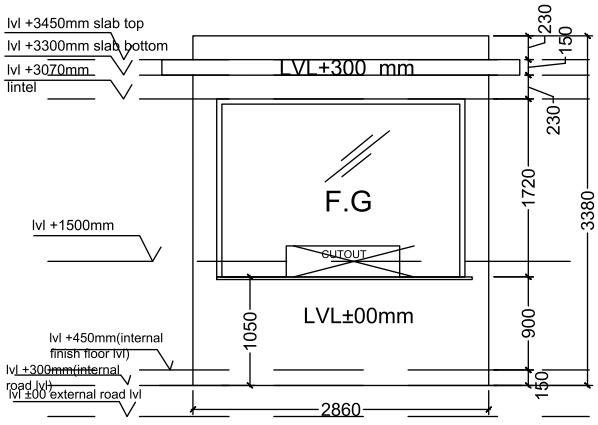
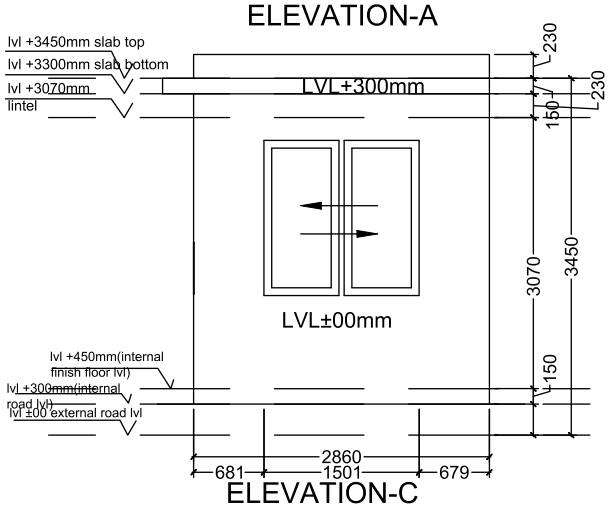


ELEVATION-A



ELEVATION-B



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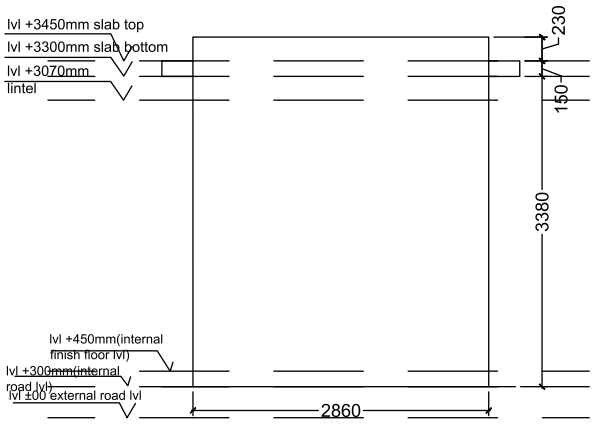

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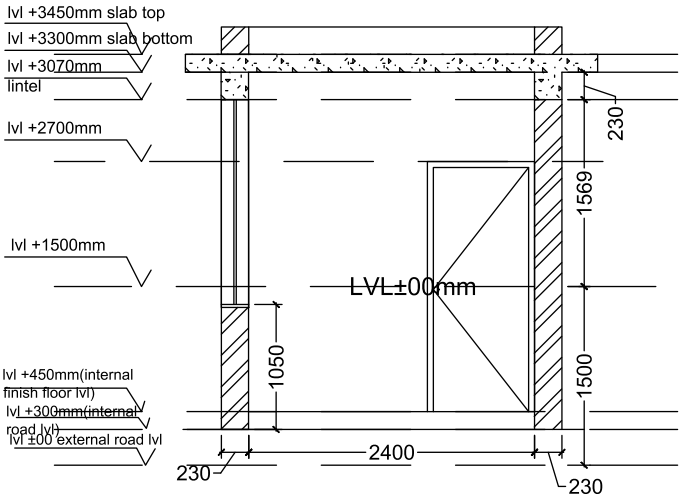
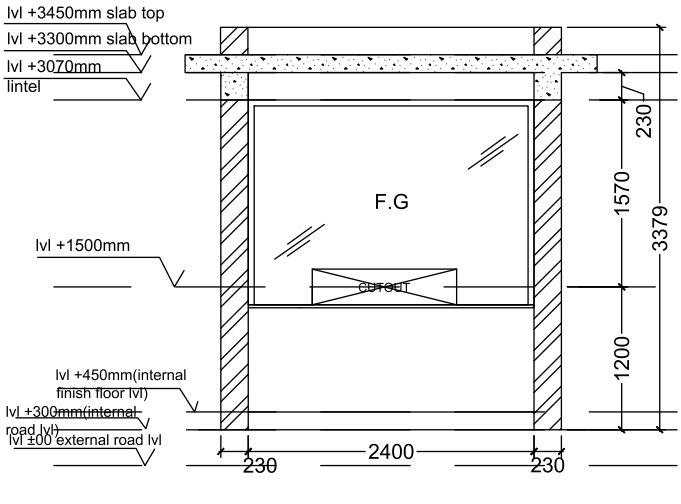


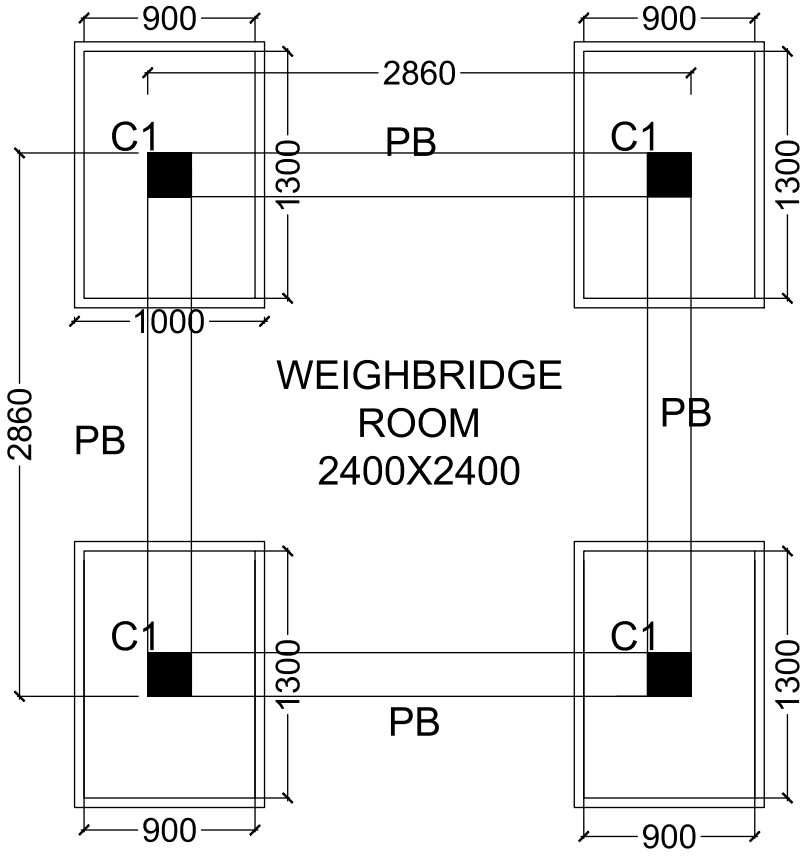
SECTION -AA'



SECTION -BB'

STRUCTO CREATIONS
STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar,
Delhi-110092
Lic. No. AM1778350

STRUCTO CREATIONS (STRUCTURE CONSULTANT) JAGAT RAM PARK, LAXMI NAGAR, NEW DELHI -110092 EMAIL : msansari6313@gmail.com	NAME OF PROJECT : JORHAT AGRO PRIVATE LIMITED C/O SRI PALASH HAZARIKA MS HAZARIKA, RICE MILL KHERAMA KACHARI GAON BORHOLLA,JORHAT , JORHAT ,ASSAM , INDIA, 785631	CLIENT / SPV : JORHAT AGRO PRIVATE LIMITED DRAWING NO. 04-08	DRAWING TITLE - WEIGHBRIDGE ROOM ELEVATION SECTION PUPOSE - TENDER DRAWING Drawn By :- Saeed Ansari DATE- 09-09-2021

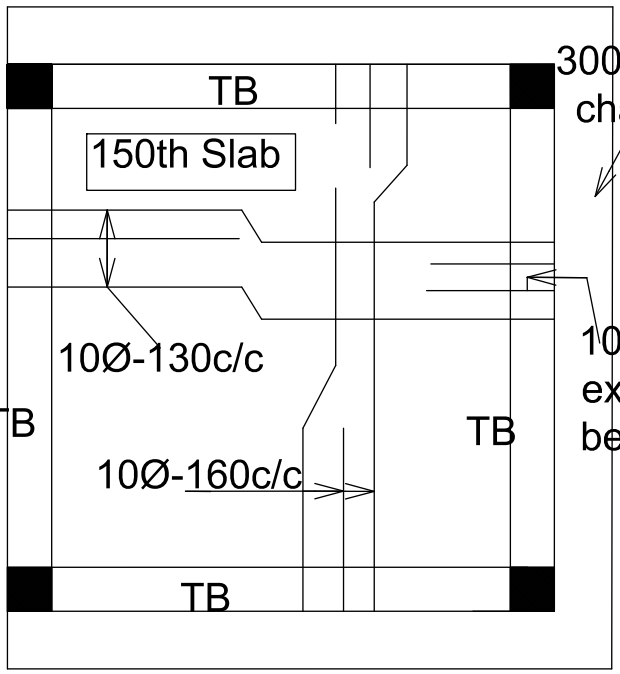


WEIGHBRIDGE ROOM STRUCTURE FOUNDATION

GENERAL NOTES –

NOTES & REFERENCES

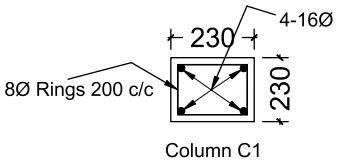
1. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS. ANY DISCREPANCY IF FOUND SHALL BE BROUGHT TO THE NOTICE OF CONSULTANT
2. ALL DIMENSIONS ARE IN MM & LEVELS IN MILLIMETERS.
3. DO NOT SCALE ANY DIMENSION.
4. CONFIRM LOCATION OF WALLS WITH RELEVANT ARCH. DRG.S
5. CONCRETE GRADE IS M25
6. THE REINFORCEMENT SHALL BE SOLDTWISTED DEFORMED BARS (S.T.D) OR T.M.T. BARS HAVING YIELD. STRENGTH NOT LESS THAN 500 N/mm^2 AND CONFORMING TO I.S. 1786 – 2006.
7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS:–
   - (a) FOUNDATION : 50 MM
   - (b) COLUMNS : 40 MM
   - (S) BEAMS (top & bottom) 30 MM side Cover 25mm
   - (d) SLABS : 25 MM
   - (e) CHAJJAS/CANOPY : 30 MM
   - (f) R.C.C. WALL 30 MM(EARTH FACE) & 25MM(INNER FACE)
8. NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED AT ANY SECTION. LAPS CLOSE TO THE MID SPAN IN BOTTOM BARS & CLOSE TO SUPPORTS IN TOP BARS SHALL BE AVOIDED. LAP LENGHT IS 50d (d IS DIAMETRE OR BAR)
9. INDICATES TOP BARS
   INDICATES BOTTOM BARS
   Opening in struStural element
   p.C.C work
   BriCk work
10. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND SURED THOROUGHLY AS PER I.S 456–LATEST.
11. ALL FOOTING ARE CENTRALLY PLACED WITH RESPECTED TO THE CENTER LINE OF COLUMN
12. REINFORCEMENT SHALL BE PROVIDED IN TWO LAYERS WHEREVER FOUND NECESSARY WITH SPACER BAR TO BE PROVIDED BETWEEN TWO LAYERS OF REINFORCEMENTS AS PER IS: 456. SPACER BAR 50 mm
13. ALL DIMENSIONS MUST BE CHECKED WITH ARCHITECT'S DRG.S & IN CASE OF ANY DISCREPANCY ARCHITECTS DRG.S SHALL PREVAIL.
14. ALL CONSTRUCTION JOINTS SHALL BE APPROVED BY CONSULTANT ON THE BASIC OF SCHEME PREPARED BY CONTRACTOR.
15. TOP AND BOTTOM EXTRA BARS IN BEAMS TO EXTEND BEYOND THE FACE OF SUPPORT AS SHOWN IN DWG UNLESS OTHERWISE SHOWN.
16. THE FIRST STIRRUPS IN BEAMS SHALL BE AT A DISTANCE OF 50MM FROM THE JOINT FACE THE SPECIAL CONFINING REINFORCEMENT SHALL BE PROVIDED THROUGH THE JOINT AT THE GIVEN SPACING IN COLUMNS.
17. All ANGLES ARE RIGHT ANGLES UNLESS OTHERWISE SPECIFIED.
18. PROVIDE DIST STEEL OVER EXTRA TOP BARS IS: 8 @150 C/C (6") 8@150 C/C (6")
19. BLACK COTTON SOIL IF ENCOUNTERED IN FN PITS, SHALL BE FULLY REMOVED.
20. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.S.S.1:4:8



WEIGHBRIDGE ROOM AT SLAB LVL

STRUCTO CREATIONS
STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar, Delhi-110092
Lic. No. AM1778350

STRUCTO CREATIONS (STRUCTURE CONSULTANT) JAGAT RAM PARK, LAXMI NAGAR, NEW DELHI -110092 EMAIL : msansari6313@gmail.com	NAME OF PROJECT : JORHAT AGRO PRIVATE LIMITED C/O SRI PALASH HAZARIKA MS HAZARIKA, RICE MILL KHERAMA KACHARI GAON BORHOLLA,JORHAT , JORHAT ,ASSAM , INDIA, 785631	CLIENT / SPV : JORHAT AGRO PRIVATE LIMITED DRAWING NO. 04-09	DRAWING TITLE - WEIGHBRIDGE ROOM FOUNDATION & SLAB BEAM PLAN PUPOSE - TENDER DRAWING Drawn By :- Saeed Ansari DATE- 09-09-2021



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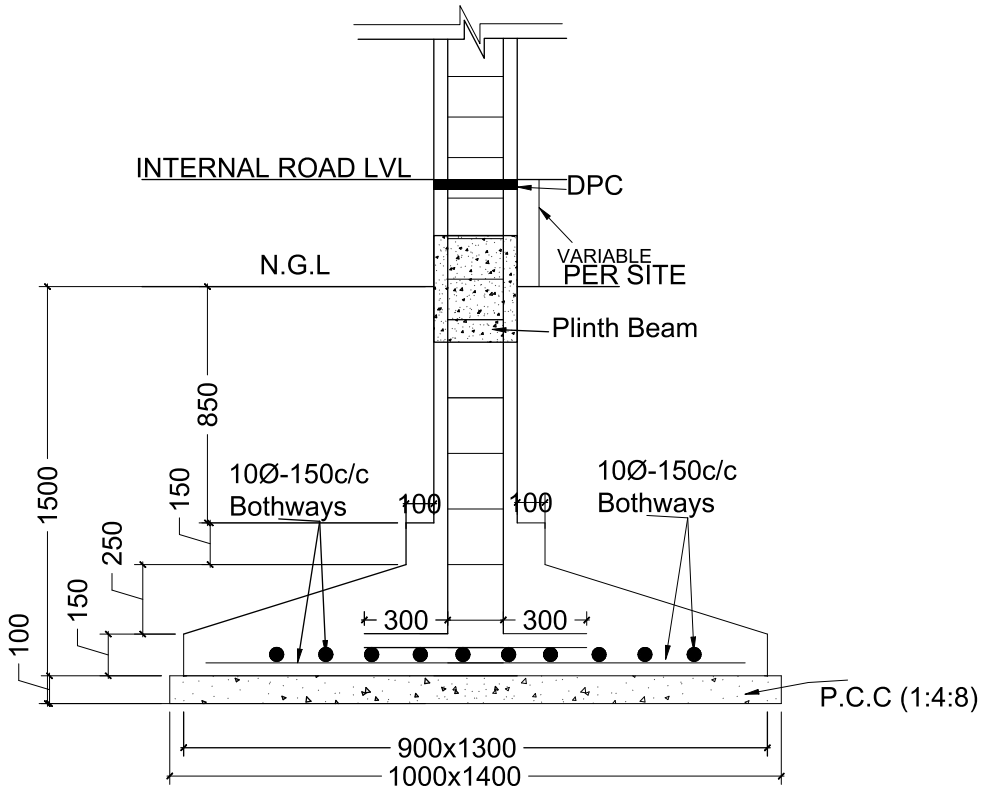

COLUMN C 1

GENERAL NOTES –

NOTES & REFERENCES

1. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS. ANY DISCREPANCY IF FOUND SHALL BE BROUGHT TO THE NOTICE OF CONSULTANT
2. ALL DIMENSIONS ARE IN MM & LEVELS IN MILLIMETERS.
3. DO NOT SCALE ANY DIMENSION.
4. CONFIRM LOCATION OF WALLS WITH RELEVANT ARCH. DRG.S
5. CONCRETE GRADE IS M25
6. THE REINFORCEMENT SHALL BE SOLDTWISTED DEFORMED BARS (S.T.D) OR T.M.T. BARS HAVING YIELD. STRENGTH NOT LESS THAN 500 N/mm^2 AND CONFORMING TO I.S. 1786 – 2006.
7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS: –
   - (a) FOUNDATION : 50 MM
   - (b) COLUMNS : 40 MM
   - (S) BEAMS (top & bottom) 30 MM side Cover 25mm
   - (d) SLABS : 25 MM
   - (e) CHAJJAS/CANOPY : 30 MM
   - (f) R.C.C. WALL 30 MM(EARTH FACE) & 25MM(INNER FACE)
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9. ---------- INDICATES TOP BARS
   ———— INDICATES BOTTOM BARS
   Opening in struStural element
   p.C.C work
   BriCk work
10. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND SURED THOROUGHLY AS PER I.S 456–LATEST.
11. ALL FOOTING ARE CENTRALLY PLACED WITH RESPECTED TO THE CENTER LINE OF COLUMN
12. REINFORCEMENT SHALL BE PROVIDED IN TWO LAYERS WHEREVER FOUND NECESSARY WITH SPACER BAR TO BE PROVIDED BETWEEN TWO LAYERS OF REINFORCEMENTS AS PER IS: 456. SPACER BAR 50
13. ALL DIMENSIONS MUST BE CHECKED WITH ARCHITECT'S DRG.S & IN CASE OF ANY DISCREPANCY ARCHITECTS DRG.S SHALL PREVAIL.
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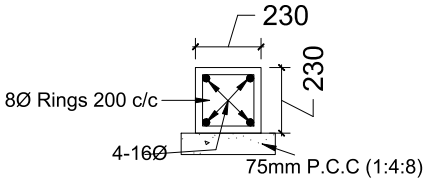
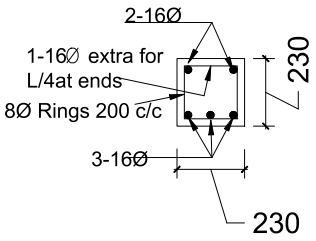
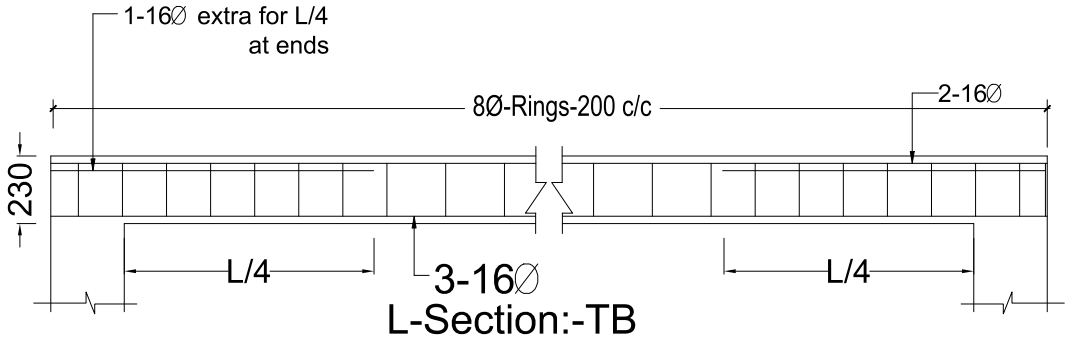
19. BLACK COTTON SOIL IF ENCOUNTERED IN FN PITS, SHALL BE FULLY REMOVED.
20. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.S.S.1: 4: 8



PB- Plinth Beam



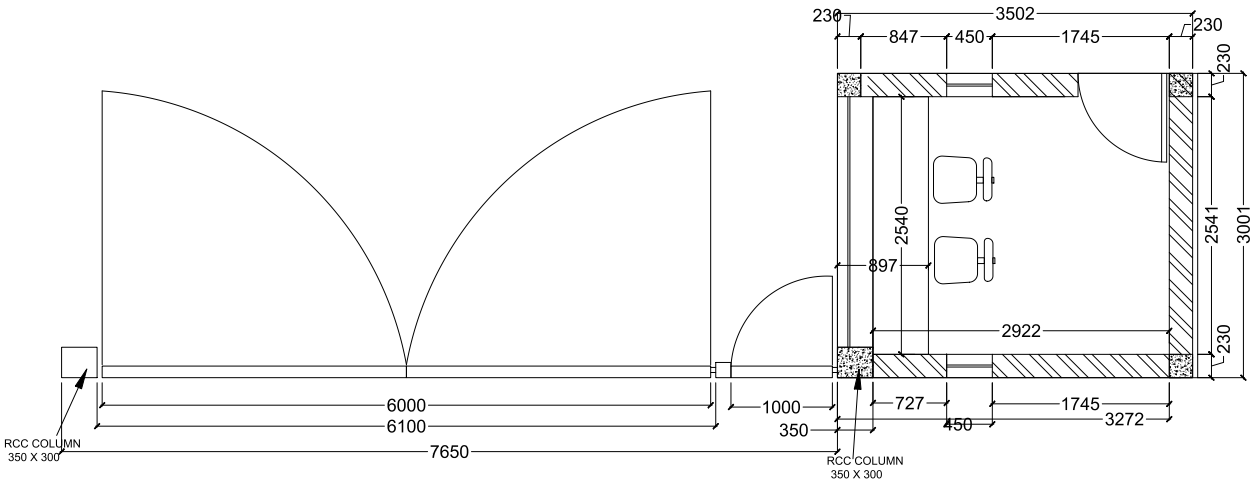
X-Section:-TB

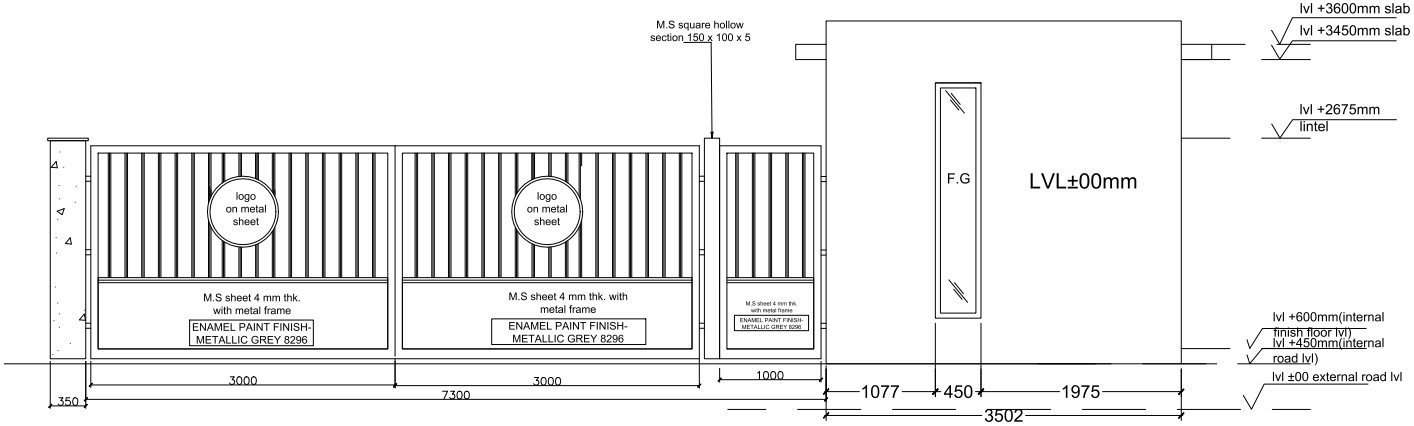


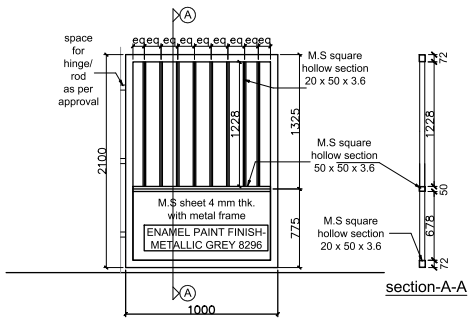
L-Section:-TB

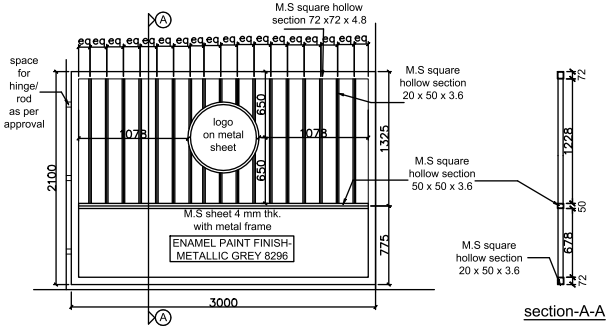
STRUCTO CREATIONS
STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar, Delhi-110092
Lic. No. AM1778350

STRUCTO CREATIONS (STRUCTURE CONSULTANT) JAGAT RAM PARK, LAXMI NAGAR, NEW DELHI -110092 EMAIL : msansari6313@gmail.com	NAME OF PROJECT : JORHAT AGRO PRIVATE LIMITED C/O SRI PALASH HAZARIKA MS HAZARIKA, RICE MILL KHERAMA KACHARI GAON BORHOLLA,JORHAT , JORHAT ,ASSAM , INDIA, 785631	CLIENT / SPV : JORHAT AGRO PRIVATE LIMITED DRAWING NO. 04-10	DRAWING TITLE - WEIGHBRIDGE ROOM STRUCTUE DETAIL PUPOSE - TENDER DRAWING Drawn By :- Saeed Ansari DATE- 09-09-2021









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STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar,
Delhi-110092
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STRUCTO CREATIONS
(STRUCTURE CONSULTANT)

JAGAT RAM PARK,
LAXMI NAGAR, NEW DELHI -110092
EMAIL : msansari6313@gmail.com

CLIENT/SPV :

JORHAT AGRO
PRIVATE LIMITED

NAME OF PROJECT :

JORHAT AGRO PRIVATE LIMITED
C/O SRI PALASH HAZARIKA
MS HAZARIKA, RICE MILL
KHERAMA KACHARI GAON BORHOLLA,
JORHAT , JORHAT ,ASSAM , INDIA, 785631

Drawing Title :
MAIN GATE ENTRY

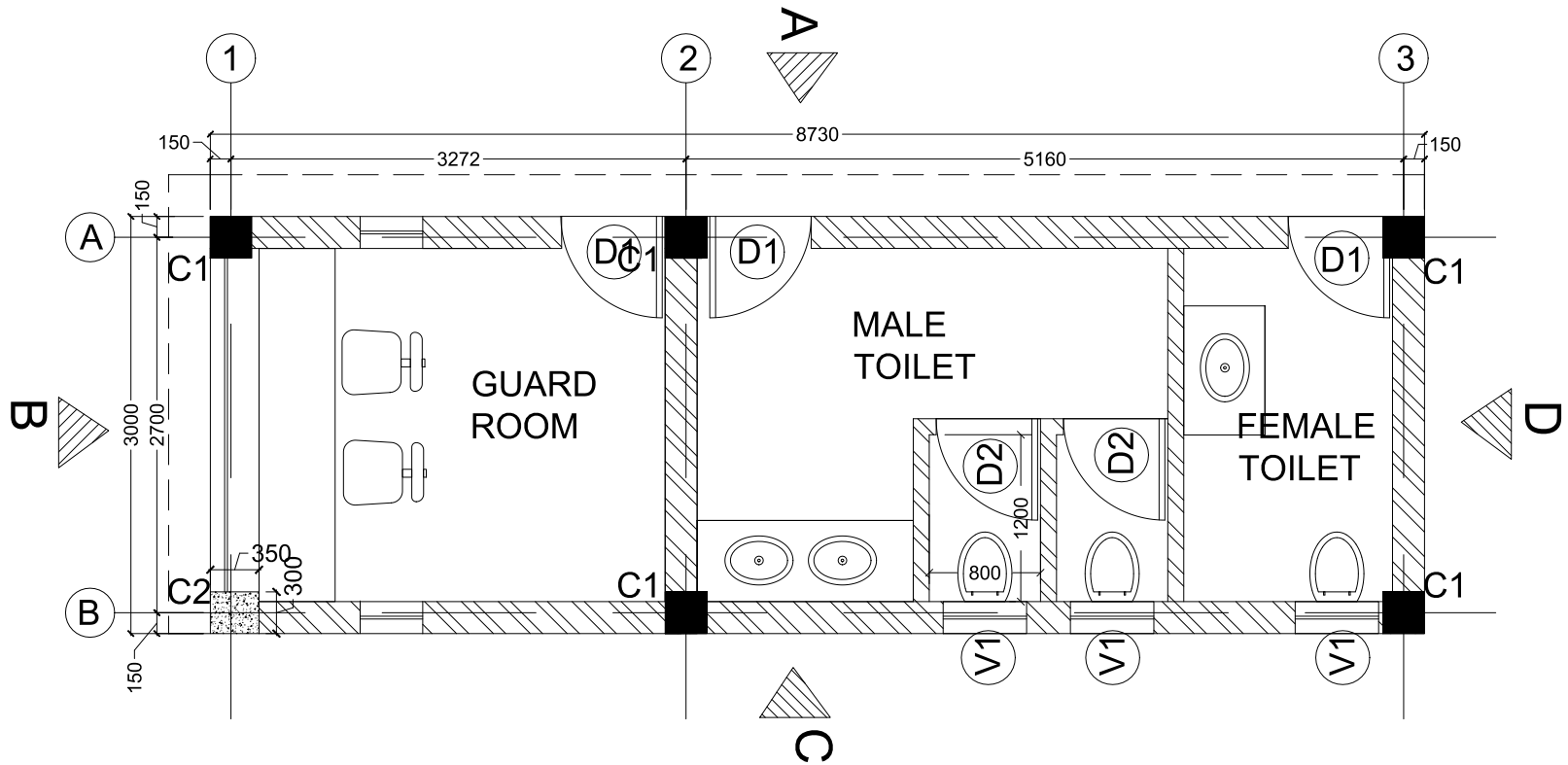
Drawn By :- Saeed Ansari

Date : 09.09.2021

Drawing No -
04-11

PURPOSE : TENDER DRAWING

REVISION : -



GUARD ROOM & COMMON TOILET PLAN

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STRUCTO CREATIONS
(STRUCTURE CONSULTANT)

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LAXMI NAGAR, NEW DELHI -110092
EMAIL : msansari6313@gmail.com

CLIENT/SPV :

JORHAT AGRO
PRIVATE LIMITED

NAME OF PROJECT :

JORHAT AGRO PRIVATE LIMITED
C/O SRI PALASH HAZARIKA
MS HAZARIKA, RICE MILL
KHERAMA KACHARI GAON BORHOLLA,
JORHAT , JORHAT ,ASSAM , INDIA, 785631

Drawing Title :

GUARD ROOM & COMMON
TOILET PLAN

Drawn By :- Saeed Ansari

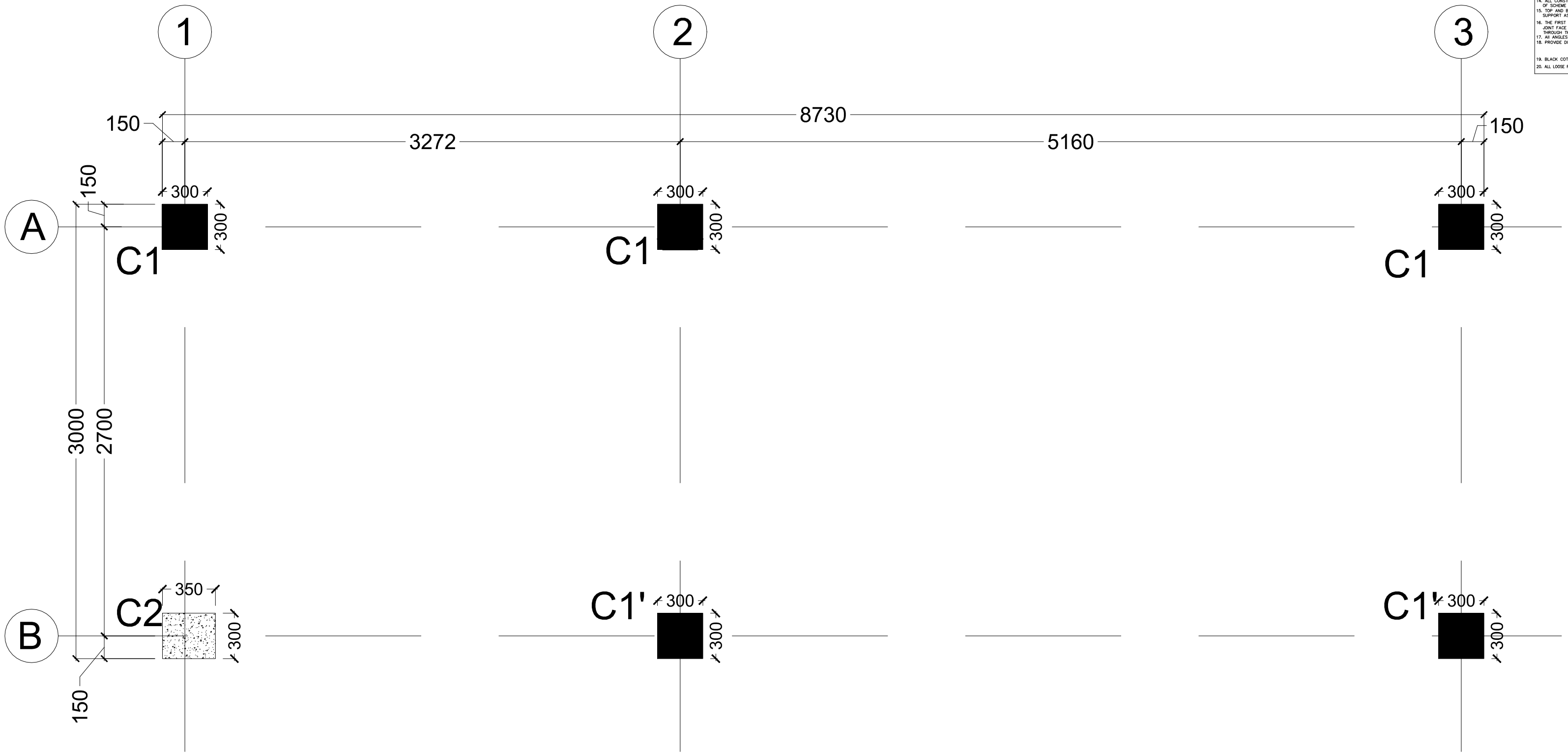
Date : 09.09.2021

Drawing No -

04-12

PURPOSE : TENDER DRAWING

REVISION : -



CENTERLINE PLAN

GENERAL NOTES –

NOTES & REFERENCES

1. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS. ANY DISCREPANCY IF FOUND SHALL BE BROUGHT TO THE NOTICE OF CONSULTANT
2. ALL DIMENSIONS ARE IN MM & LEVELS IN MILLIMETERS.
3. DO NOT SCALE ANY DIMENSION.
4. CONFIRM LOCATION OF WALLS WITH RELEVANT ARCH. DRG.S
5. CONCRETE GRADE IS M25
6. THE REINFORCEMENT SHALL BE SOLDTWISTED DEFORMED BARS (S.T.D) OR T.M.T. BARS HAVING YIELD. STRENGTH NOT LESS THAN 500 N/mm^2 AND CONFORMING TO I.S. 1786 – 2006.
7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS:–
   - (a) FOUNDATION : 50 MM
   - (b) COLUMNS : 40 MM
   - (S) BEAMS (top & bottom) 30 MM side Cover 25mm
   - (d) SLABS : 25 MM
   - (e) CHAJJAS/CANOPY : 30 MM
   - (f) R.C.C. WALL 30 MM(EARTH FACE) & 25MM(INNER FACE)
8. NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED AT ANY SECTION. LAPS CLOSE TO THE MID SPAN IN BOTTOM BARS & CLOSE TO SUPPORTS IN TOP BARS SHALL BE AVOIDED. LAP LENGHT IS 50d (d IS DIAMETRE OR BAR)
9. ---------- INDICATES TOP BARS
   ——— INDICATES BOTTOM BARS
   Opening in struStural element
   p.C.C work
   BriCk work
10. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND SURED THOROUGHLY AS PER I.S 456–LATEST.
11. ALL FOOTING ARE CENTRALLY PLACED WITH RESPECTED TO THE CENTER LINE OF COLUMN
12. REINFORCEMENT SHALL BE PROVIDED IN TWO LAYERS WHEREVER FOUND NECESSARY WITH SPACER BAR TO BE PROVIDED BETWEEN TWO LAYERS OF REINFORCEMENTS AS PER IS:456. SPACER BAR
13. ALL DIMENSIONS MUST BE CHECKED WITH ARCHITECT'S DRG.S & IN CASE OF ANY DISCREPANCY ARCHITECTS DRG.S SHALL PREVAIL.
14. ALL CONSTRUCTION JOINTS SHALL BE APPROVED BY CONSULTANT ON THE BASIC OF SCHEME PREPARED BY CONTRACTOR.
15. TOP AND BOTTOM EXTRA BARS IN BEAMS TO EXTEND BEYOND THE FACE OF SUPPORT AS SHOWN IN DWG UNLESS OTHERWISE SHOWN.
16. THE FIRST STIRRUPS IN BEAMS SHALL BE AT A DISTANCE OF 50MM FROM THE JOINT FACE THE SPECIAL CONFINING REINFORCEMENT SHALL BE PROVIDED THROUGH THE JOINT AT THE GIVEN SPACING IN COLUMNS.
17. All ANGLES ARE RIGHT ANGLES UNLESS OTHERWISE SPECIFIED.
18. PROVIDE DIST STEEL OVER EXTRA TOP BARS IS:8 Ø 150 C/C (6")
    8 Ø 150 C/C (6")
19. BLACK COTTON SOIL IF ENCOUNTERED IN FN PITS, SHALL BE FULLY REMOVED.
20. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.S.S.1:4:8

STRUCTO CREATIONS
STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar,
Delhi-110092
Lic. No. AM1778350

STRUCTO CREATIONS
(STRUCTURE CONSULTANT)

JAGAT RAM PARK,
LAXMI NAGAR, NEW DELHI -110092
EMAIL : msansari6313@gmail.com

CLIENT/SPV :

JORHAT AGRO
PRIVATE LIMITED

NAME OF PROJECT :

JORHAT AGRO PRIVATE LIMITED
C/O SRI PALASH HAZARIKA
MS HAZARIKA, RICE MILL
KHERAMA KACHARI GAON BORHOLLA,
JORHAT , JORHAT ,ASSAM , INDIA, 785631

Drawing Title :

GUARD ROOM & COMMON
TOILET CENTERLINE PLAN

Drawn By :- Saeed Ansari

Date : 09.09.2021

Drawing No - 04-13

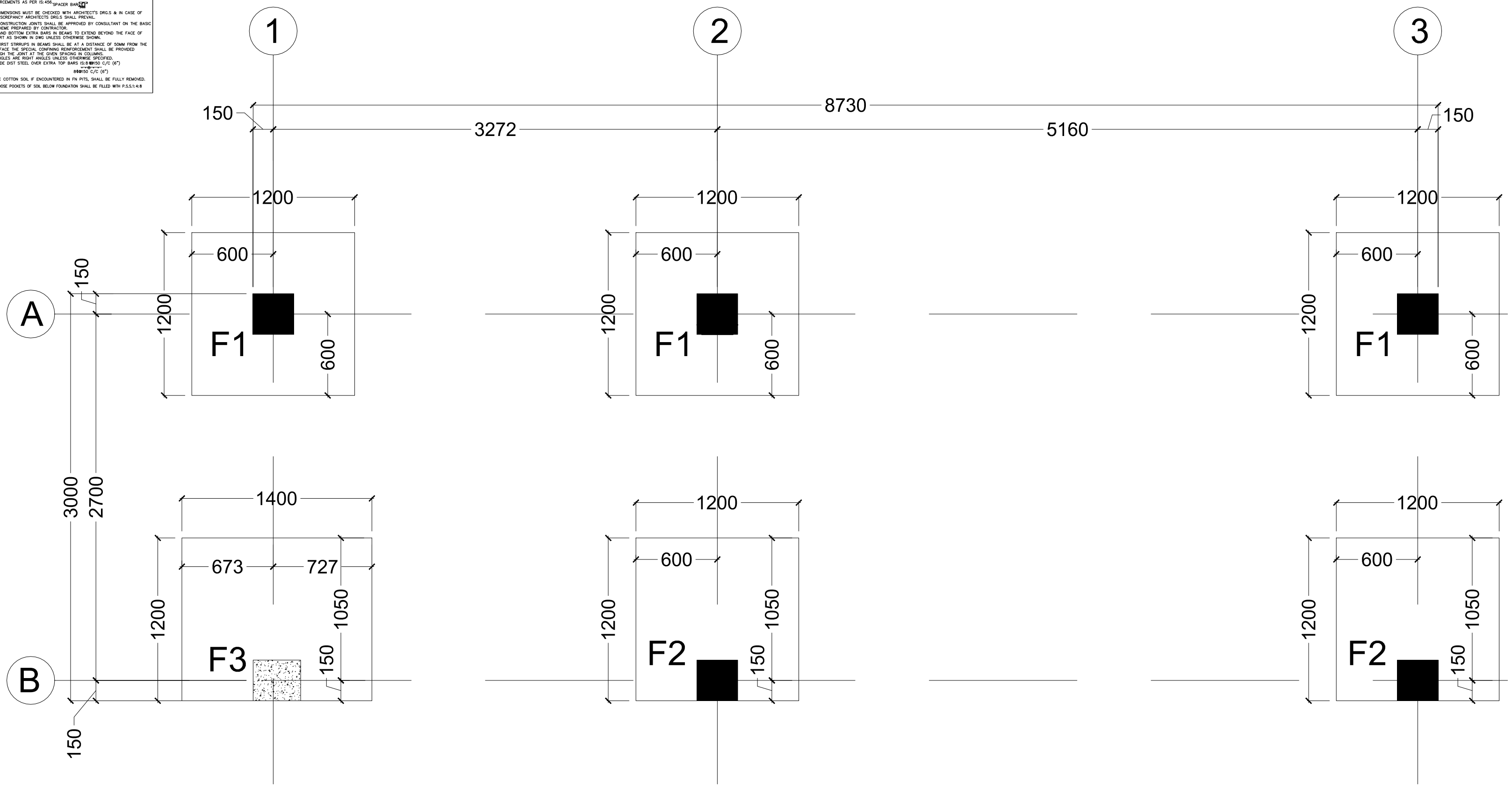
PURPOSE : TENDER DRAWING

REVISION : -

GENERAL NOTES –

NOTES & REFERENCES

1. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS. ANY DISCREPANCY IF FOUND SHALL BE BROUGHT TO THE NOTICE OF CONSULTANT
2. ALL DIMENSIONS ARE IN MM & LEVELS IN MILLIMETERS.
3. DO NOT SCALE ANY DIMENSION.
4. CONFIRM LOCATION OF WALLS WITH RELEVANT ARCH. DRG.S
5. CONCRETE GRADE IS M25
6. THE REINFORCEMENT SHALL BE SOLDTWISTED DEFORMED BARS (S.T.D) OR T.M.T. BARS HAVING YIELD. STRENGTH NOT LESS THAN 500 N/mm^2 AND CONFORMING TO I.S. 1786 – 2006.
7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS:–
   - (a) FOUNDATION : 50 MM
   - (b) COLUMNS : 40 MM
   - (S) BEAMS (top & bottom) 30 MM side Cover 25mm
   - (d) SLABS : 25 MM
   - (e) CHAJJAS/CANOPY : 30 MM
   - (f) R.C.C. WALL 30 MM(EARTH FACE) & 25MM(INNER FACE)
8. NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED AT ANY SECTION. LAPS CLOSE TO THE MID SPAN IN BOTTOM BARS & CLOSE TO SUPPORTS IN TOP BARS SHALL BE AVOIDED. LAP LENGHT IS 50d (d IS DIAMETRE OR BAR)
9. --------- INDICATES TOP BARS
   ——— INDICATES BOTTOM BARS
   Opening in struStural element
   p.C.C work
   BriCk work
10. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND SURED THOROUGHLY AS PER I.S 456–LATEST.
11. ALL FOOTING ARE CENTRALLY PLACED WITH RESPECTED TO THE CENTER LINE OF COLUMN
12. REINFORCEMENT SHALL BE PROVIDED IN TWO LAYERS WHEREVER FOUND NECESSARY WITH SPACER BAR TO BE PROVIDED BETWEEN TWO LAYERS OF REINFORCEMENTS AS PER IS: 456. SPACER BAR
13. ALL DIMENSIONS MUST BE CHECKED WITH ARCHITECT'S DRG.S & IN CASE OF ANY DISCREPANCY ARCHITECTS DRG.S SHALL PREVAIL.
14. ALL CONSTRUCTION JOINTS SHALL BE APPROVED BY CONSULTANT ON THE BASIC OF SCHEME PREPARED BY CONTRACTOR.
15. TOP AND BOTTOM EXTRA BARS IN BEAMS TO EXTEND BEYOND THE FACE OF SUPPORT AS SHOWN IN DWG UNLESS OTHERWISE SHOWN.
16. THE FIRST STIRRUPS IN BEAMS SHALL BE AT A DISTANCE OF 50MM FROM THE JOINT FACE THE SPECIAL CONFINING REINFORCEMENT SHALL BE PROVIDED THROUGH THE JOINT AT THE GIVEN SPACING IN COLUMNS.
17. All ANGLES ARE RIGHT ANGLES UNLESS OTHERWISE SPECIFIED.
18. PROVIDE DIST STEEL OVER EXTRA TOP BARS IS: 8Φ@150 C/C (6")
    8Φ@150 C/C (6")
19. BLACK COTTON SOIL IF ENCOUNTERED IN FN PITS, SHALL BE FULLY REMOVED.
20. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.S.S.1:4:8



FOUNDATION PLAN

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R-210, Basement Laxmi Nagar, Delhi-110092
Lic. No. AM1778350

STRUCTO CREATIONS
(STRUCTURE CONSULTANT)

JAGAT RAM PARK,
LAXMI NAGAR, NEW DELHI -110092
EMAIL : msansari6313@gmail.com

CLIENT/SPV :
JORHAT AGRO PRIVATE LIMITED

NAME OF PROJECT :
JORHAT AGRO PRIVATE LIMITED
C/O SRI PALASH HAZARIKA
MS HAZARIKA, RICE MILL
KHERAMA KACHARI GAON BORHOLLA,
JORHAT , JORHAT ,ASSAM , INDIA, 785631

Drawing Title :
GUARD ROOM & COMMON TOILET FOUNDATION PLAN

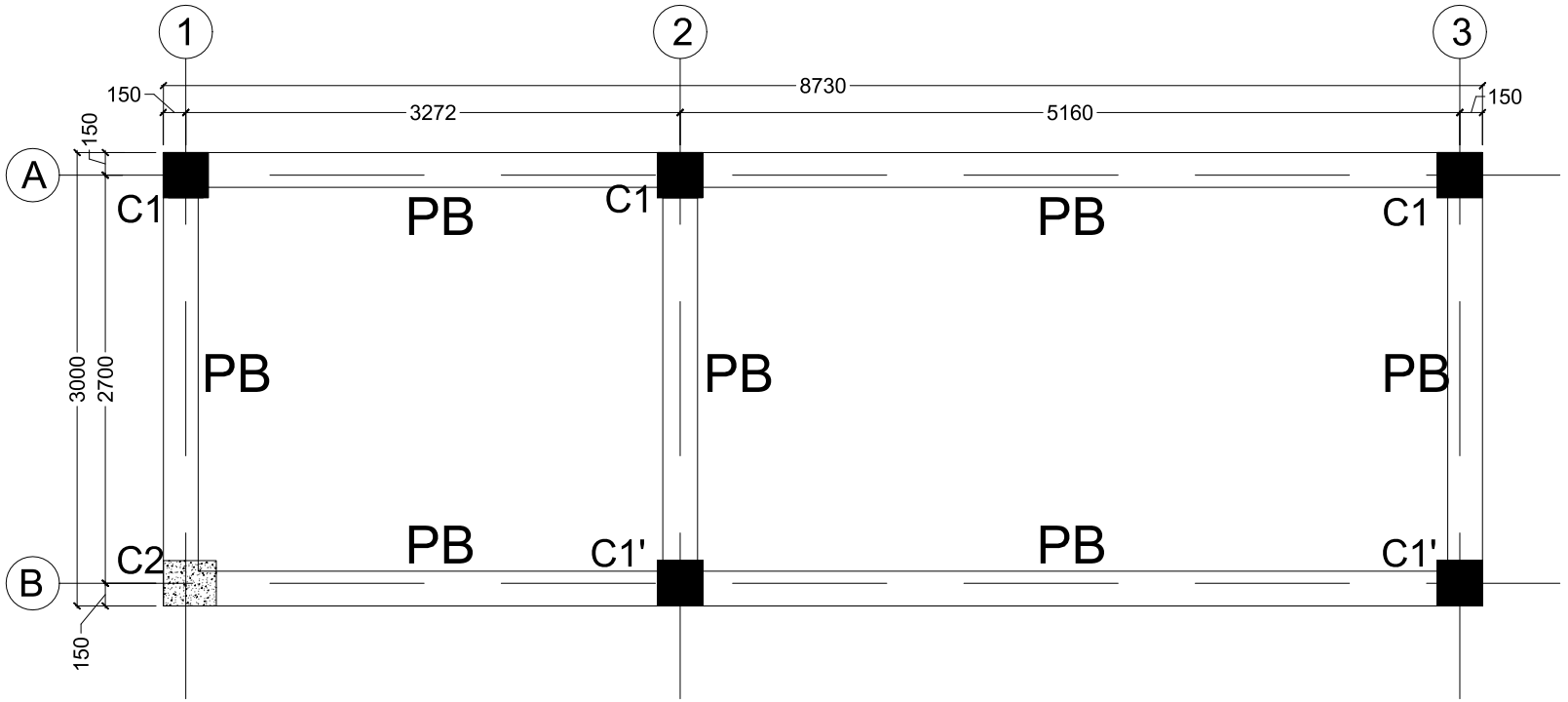
Drawn By :- Saeed Ansari

Date : 09.09.2021

Drawing No - 04-14

PURPOSE : TENDER DRAWING

REVISION : -



PLINTH BEAM PLAN

GENERAL NOTES –

NOTES & REFERENCES

1. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS. ANY DISCREPANCY IF FOUND SHALL BE BROUGHT TO THE NOTICE OF CONSULTANT
2. ALL DIMENSIONS ARE IN MM & LEVELS IN MILLIMETERS.
3. DO NOT SCALE ANY DIMENSION.
4. CONFIRM LOCATION OF WALLS WITH RELEVANT ARCHITECTURAL DRAWINGS.
5. CONCRETE GRADE IS M20
6. THE REINFORCEMENT SHALL BE SOLUTMISTED DEFORMED BARS (S.T.D) OR T.M.T. BARS HAVING YIELD STRENGTH NOT LESS THAN 500 N/mm² AND CONFORMING TO I.S. TYPE – 2016)
7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS:–

(a)	FOUNDATION	: 50 MM
(b)	COLUMNS	: 40 MM
(b)	BEAMS (top & bottom)	30 MM side Cover 25mm
(d)	SLABS	: 25 MM
(e)	CHAJJAS/CANOPY	: 30 MM
(f)	R.C.C. WALL	30 MM(EARTH FACE) & 25MM(INNER FACE)

8. NOT MORE THAN HALF OF THE BARS SHALL BE LAPPED AT ANY SECTION. LAPS CLOSE TO THE MID SPAN IN BOTTOM BARS & CLOSE TO SUPPORTS IN TOP BARS SHALL BE AVOIDED. LAP LENGTH IS 50d (d IS DIAMETRE OF BAR)
9. ———— INDICATES TOP BARS
– – – – INDICATES BOTTOM BARS
Opening in shearwall element
P.C.C work
Brick work
10. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND SURED THOROUGHLY AS PER I.S. 456–LATEST.
11. ALL FOOTING ARE CENTRALLY PLACED WITH RESPECTED TO THE CENTER LINE OF COLUMN
12. REINFORCEMENT SHALL BE PROVIDED IN TWO LAYERS WHEREVER FOUND NECESSARY WITH SPACER BAR TO BE PROVIDED BETWEEN TWO LAYERS OF REINFORCEMENTS AS PER IS-456 SPACER BARS
13. ALL DIMENSIONS MUST BE CHECKED WITH ARCHITECT'S DRGS & IN CASE OF ANY DISCREPENCY ARCHITECTS DRGS SHALL PREVAIL.
14. ALL CONSTRUCTION JOINTS SHALL BE APPROVED BY CONSULTANT ON THE BASIC OF SHEAR FORCE DIAGRAM OF THE BEAM
15. TOP AND BOTTOM EXTRA BARS IN BEAMS TO EXTEND BEYOND THE FACE OF SUPPORT AS SHOWN IN DRG UNLESS OTHERWISE SHOWN.
16. THE FIRST STIRRUPS IN BEAMS SHALL BE AT A DISTANCE OF 50MM FROM THE FACE OF THE SUPPORT. CONFINING REINFORCEMENT SHALL BE PROVIDED OVER A LENGTH EQUAL TO TWICE THE EFFECTIVE DEPTH OF BEAM.
17. AT ANGLES ARE RIGHT ANGLES UNLESS OTHERWISE SPECIFIED.
18. PROVIDE DIST STEEL OVER EXTRA TOP BARS 8@180MM C/C (4" 8MM@7 C/C (4")
19. BLACK COTTON SOIL IF ENCOUNTERED IN PH PIT, SHALL BE FULLY REMOVED.
20. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.S.S.1-4-9

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STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar,
Delhi-110092
Lic. No. AM1778350

STRUCTO CREATIONS
(STRUCTURE CONSULTANT)

JAGAT RAM PARK,
LAXMI NAGAR, NEW DELHI -110092
EMAIL : msansari6313@gmail.com

CLIENT/SPV :

JORHAT AGRO
PRIVATE LIMITED

NAME OF PROJECT :

JORHAT AGRO PRIVATE LIMITED
C/O SRI PALASH HAZARIKA
MS HAZARIKA, RICE MILL
KHERAMA KACHARI GAON BORHOLLA,
JORHAT , JORHAT ,ASSAM , INDIA, 785631

Drawing Title :

GUARD ROOM & COMMON
TOILET PLINTH BEAM PLAN

Drawn By :- Saeed Ansari

Date : 09.09.2021

Drawing No -

04-15

PURPOSE : TENDER DRAWING

REVISION : -

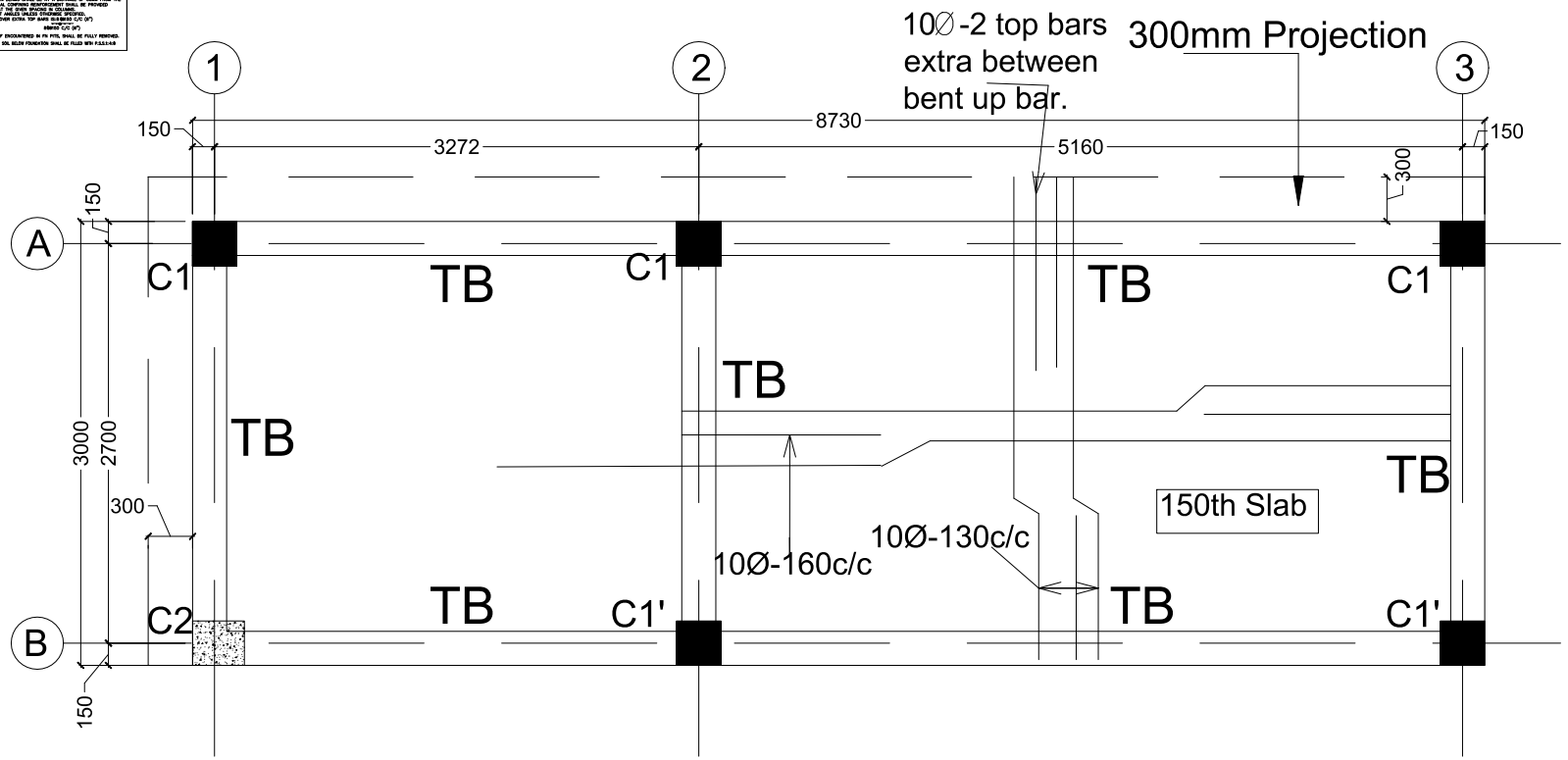
GENERAL NOTES –

NOTES & REFERENCES

1. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS, ANY DISCREPANCY IF FOUND SHALL BE BROUGHT TO THE NOTICE OF CONSULTANT.
2. ALL DIMENSIONS ARE IN MM & LEVELS IN MILLIMETERS.
3. DO NOT SCALE ANY DIMENSION.
4. CHECK LOCATION OF WALLS WITH RELEVANT ARCHITECTURAL.
5. CONCRETE GRADE IS M20
6. THE REINFORCEMENT SHALL BE DEFORMED BARS (I.S.) OR T.M.T. BARS HAVING YIELD STRENGTH NOT LESS THAN 500 N/mm² AND CONFORMING TO I.S. 1786 – 2008.
7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS:–

(a)	FOUNDATION :	50 MM
(b)	COLUMNS :	40 MM
(c)	BEAMS (top & bottom)	30 MM side Cover 25mm
(d)	SLABS :	25 MM
(e)	CHAJJAS/CANOPY :	30 MM
(f)	R.C.C. WALL : 30 MM(EARTH FACE) & 25MM(INNER FACE)	

8. LAPS SHALL NOT BE MADE AT POINTS OF MAXIMUM STRESS AS FAR AS POSSIBLE. LAPS SHALL NOT BE MADE IN CENTRE THIRD OF SPAN & CLOSE TO SUPPORTS IN TOP BARS SHALL BE AVOIDED. LAP LENGHT IS 50d (d IS DIAMETRE OF BAR)
9. ——— GROUND FLOOR
——— FIRST FLOOR
Opening in structural element
R.C.C. work
BRICK work
10. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND SURED WITH APPROVED TYPE OF CURING COMPOUND.
11. ALL FOOTING ARE CENTRALLY PLACED WITH RESPECTED TO THE CENTER LINE OF COLUMN
12. REINFORCEMENT SHALL BE PROVIDED IN TWO LAYERS WHEREVER FOUND NECESSARY WITH SPACER BAR TO BE PROVIDED BETWEEN TWO LAYERS OF REINFORCEMENTS AS PER IS-456 SPACER BAR
13. ALL DIMENSIONS MUST BE CHECKED WITH ARCHITECTS DRGS & IN CASE OF ANY DISCREPENCY ARCHITECTS DRGS SHALL PREVAIL.
14. ALL CONSTRUCTION JOINTS SHALL BE APPROVED BY CONSULTANT ON THE BASIC OF SHEAR FORCE DIAGRAM & BENDING MOMENT.
15. TOP AND BOTTOM EXTRA BARS IN BEAMS TO EXTEND BEYOND THE FACE OF SUPPORT AS SHOWN IN DWG UNLESS OTHERWISE SHOWN.
16. THE FIRST STIRRUPS IN BEAMS SHALL BE AT A DISTANCE OF 50MM FROM THE JOINT FACE THE SPECIAL CONFINING REINFORCEMENT SHALL BE PROVIDED OVER A LENGTH EQUAL TO TWICE THE MEMBER DEPTH.
17. AT ANGLES AND RIGHT ANGLES ON EACH OTHERWISE SPECIFIED.
18. PROVIDE 2ST STEEL OVER EXTRA TOP BARS @180MM C/C (6") AND@150 C/C (9")
19. BLACK COTTON SOIL IF ENCOUNTERED IN FX PITS, SHALL BE FULLY REMOVED.
20. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.S.S.S-4:0



SLAB BEAM PLAN

STRUCTO CREATIONS
STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar,
Delhi-110092
Lic. No. AM1778350

STRUCTO CREATIONS
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JAGAT RAM PARK,
LAXMI NAGAR, NEW DELHI -110092
EMAIL : msansari6313@gmail.com

CLIENT/SPV :

JORHAT AGRO PRIVATE LIMITED

NAME OF PROJECT :

JORHAT AGRO PRIVATE LIMITED
C/O SRI PALASH HAZARIKA
MS HAZARIKA, RICE MILL
KHERAMA KACHARI GAON BORHOLLA,
JORHAT , JORHAT ,ASSAM , INDIA, 785631

Drawing Title :

GUARD ROOM & COMMON TOILET SLAB BEAM PLAN

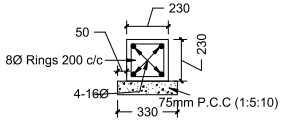
Drawn By :- Saeed Ansari

Date : 09.09.2021

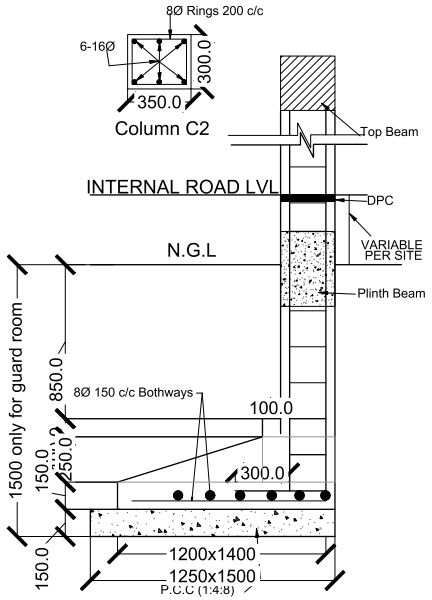
Drawing No - 04-16

PURPOSE : TENDER DRAWING

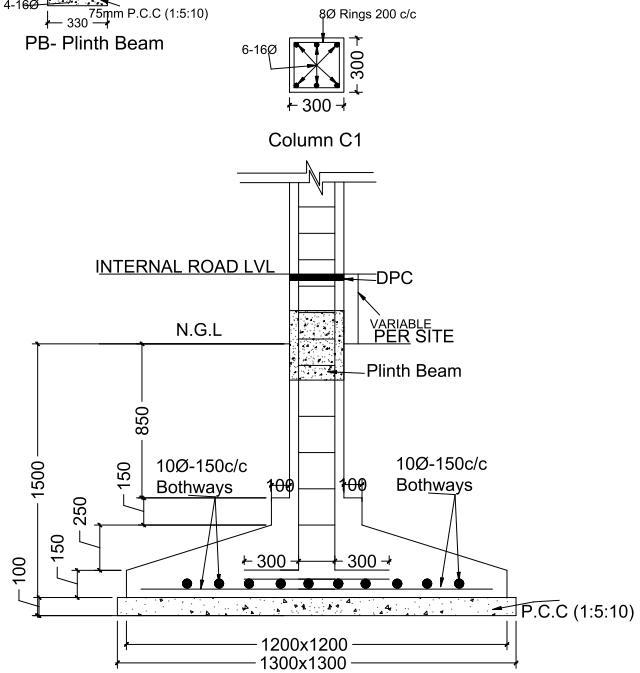
REVISION : -



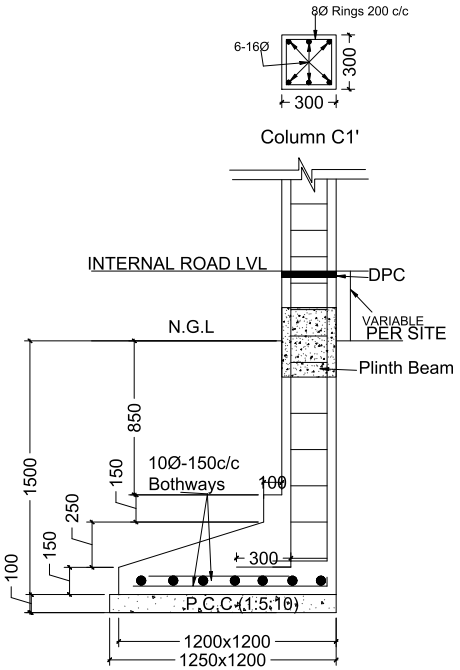
PB- Plinth Beam



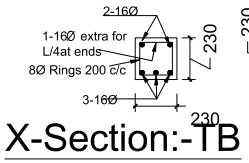
FOOTING F3



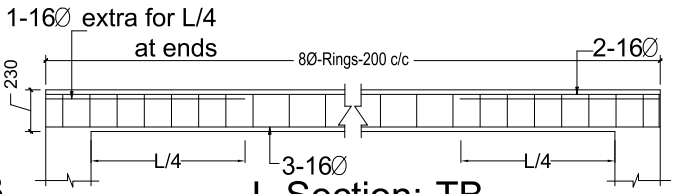
FOOTING F1



FOOTING F2



X-Section:-TB



L-Section:-TB

GENERAL NOTES –

NOTES & REFERENCES

1. READ THIS DRAWING IN CONJUNCTION WITH RELEVANT ARCHITECTURAL DRAWINGS. ANY DISCREPANCY IF FOUND SHALL BE BROUGHT TO THE NOTICE OF CONSULTANT
2. ALL DIMENSIONS ARE IN MM & LEVELS IN MILLIMETERS.
3. DO NOT SCALE ANY DIMENSION.
4. CONFIRM LOCATION OF WALLS WITH RELEVANT ARCH. DRG.S
5. CONCRETE GRADE IS M25
6. THE REINFORCEMENT SHALL BE SOLDTWISTED DEFORMED BARS (S.T.D) OR T.M.T. BARS HAVING YIELD. STRENGTH NOT LESS THAN 500 N/mm² AND CONFORMING TO I.S. 1786 – 2006.
7. THE CLEAR COVER TO THE REINFORCEMENT SHALL BE AS FOLLOWS:–

(a)	FOUNDATION	: 50 MM
(b)	COLUMNS	: 40 MM
(c)	BEAMS (top & bottom)	30 MM side Cover 25mm
(d)	SLABS	: 25 MM
(e)	CHAJJAS/CANOPY	: 30 MM
(f)	R.C.C. WALL	30 MM(EARTH FACE) & 25MM(INNER FACE)

8. NOT MORE THAN 50% OF THE BARS SHALL BE LAPPED AT ANY SECTION. LAPS CLOSE TO THE MID SPAN IN BOTTOM BARS & CLOSE TO SUPPORTS IN TOP BARS SHALL BE AVOIDED. LAP LENGHT IS 50ϕ (ϕ IS DIAMETRE OR BAR)
9. INDICATES TOP BARS
   INDICATES BOTTOM BARS
   Opening in struStural element
   p.C.C work
   BrICk work
10. ALL R.C.C. TO BE MACHINE MIXED, VIBRATED AND SURED THOROUGHLY AS PER I.S 456–LATEST.
11. ALL FOOTING ARE CENTRALLY PLACED WITH RESPECTED TO THE CENTER LINE OF COLUMN
12. REINFORCEMENT SHALL BE PROVIDED IN TWO LAYERS WHEREVER FOUND NECESSARY WITH SPACER BAR TO BE PROVIDED BETWEEN TWO LAYERS OF REINFORCEMENTS AS PER IS:456 SPACER BARS
13. ALL DIMENSIONS MUST BE CHECKED WITH ARCHITECT'S DRG.S & IN CASE OF ANY DISCREPANCY ARCHITECTS DRG.S SHALL PREVAIL.
14. ALL CONSTRUCTION JOINTS SHALL BE APPROVED BY CONSULTANT ON THE BASIC OF SCHEME PREPARED BY CONTRACTOR.
15. TOP AND BOTTOM EXTRA BARS IN BEAMS TO EXTEND BEYOND THE FACE OF SUPPORT AS SHOWN IN DWG UNLESS OTHERWISE SHOWN.
16. THE FIRST STIRRUPS IN BEAMS SHALL BE AT A DISTANCE OF 50MM FROM THE JOINT FACE THE SPECIAL CONFINING REINFORCEMENT SHALL BE PROVIDED THROUGH THE JOINT AT THE GIVEN SPACING IN COLUMNS.
17. All ANGLES ARE RIGHT ANGLES UNLESS OTHERWISE SPECIFIED.
18. PROVIDE DIST STEEL OVER EXTRA TOP BARS IS:4 8Ø150 C/C (6") 8Ø150 C/C (6")
19. BLACK COTTON SOIL IF ENCOUNTERED IN FN PITS, SHALL BE FULLY REMOVED.
20. ALL LOOSE POCKETS OF SOIL BELOW FOUNDATION SHALL BE FILLED WITH P.S.S.1:4:8

STRUCTO CREATIONS
STRUCTURE CONSULTANTS
R-210, Basement Laxmi Nagar,
Delhi-110092
Lic. No. AM1778350

STRUCTO CREATIONS
(STRUCTURE CONSULTANT)

JAGAT RAM PARK,
LAXMI NAGAR, NEW DELHI -110092
EMAIL : msansari6313@gmail.com

CLIENT/SPV :

JORHAT AGRO PRIVATE LIMITED

NAME OF PROJECT :

JORHAT AGRO PRIVATE LIMITED
C/O SRI PALASH HAZARIKA
MS HAZARIKA, RICE MILL
KHERAMA KACHARI GAON BORHOLLA,
JORHAT , JORHAT ,ASSAM , INDIA, 785631

Drawing Title :

GUARD ROOM & COMMON TOILET STRUCTURE DETAIL

Drawn By :- Saeed Ansari

Date : 09.09.2021

Drawing No - 04-17

PURPOSE : TENDER DRAWING

REVISION : -

Annexure - 2

Format of certificate

Certified that the works upto ---------- level in respect of construction of ---------- at ---------- have been executed in accordance with the approved drawings and technical specifications.

Signature
Name & Designation
(Official address)

Place:
Date:

Office seal

Form of Bid Security (Bank Guarantee)

[Guarantor letterhead or SWIFT identifier code]

Beneficiary:

[Insert name and address of the Employer*]*

Invitation for Bids No: *[Insert reference number for the Invitation for Bids]*

Date: *[Insert date of issue]*

BID GUARANTEE No.: *[Insert guarantee reference number]*

Guarantor: *[Insert name and address of place of issue, unless indicated in the letterhead]*

We have been informed that *[insert name of the Bidder, which in the case of a joint venture shall be the name of the joint venture (whether legally constituted or prospective) or the names of all members thereof]* (hereinafter called "the Applicant") has submitted or will submit to the Beneficiary its bid (hereinafter called "the Bid") for the execution of *[insert description of contract]* under Invitation for Bids No. [*insert number*] ("the IFB").

Furthermore, we understand that, according to the Beneficiary's conditions, bids must be supported by a bid guarantee.

At the request of the Applicant, we, as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of *[insert amount in letters]* (*insert amount in numbers*) upon receipt by us of the Beneficiary's complying supported by the Beneficiary's statement, whether in the demand itself or a separate signed document accompanying or identifying the demand, stating either that the Applicant:

(a) has withdrawn its Bid during the period of bid validity specified by the Applicant in the Letter of Bid, or any extension thereto provided by the Applicant; or

(b) having been notified of the acceptance of its Bid by the Beneficiary during the period of bid validity, (i) fails to execute the Contract Agreement or (ii) fails to furnish the performance security, in accordance with the Instructions to Bidders ("ITB") of the Beneficiary's bidding document; or

(c) does not accept the correction of its bid price pursuant to ITB Clause 9.1.

This guarantee will expire: (a) if the Applicant is the successful Bidder, upon our receipt of copies of the contract agreement signed by the Applicant and the performance security issued to the Beneficiary upon the instruction of the Applicant; and (b) if the Applicant is not the successful Bidder, upon the earlier of (i) our receipt of a copy of the Beneficiary's notification to the Applicant of the results of the bidding process; or (ii) forty-five days after the Validity Period, which date shall be established by presentation to us of copies of the Letter of Bid and any extension(s) thereto, accompanied by the bidding document; or (c) three years after the date of issue of this guarantee.

Consequently, any demand for payment under this guarantee must be received by us at the office indicated above on or before that date.

_____

[signature(s)]

Note: All italicized text is for use in preparing this form and shall be deleted from the final product.

BANK GUARANTEE FOR ADVANCE PAYMENT

To: THE DIRECTOR, M/S "JORHAT AGRO PRIVATE LIMITED", JORHAT, ASSAM -785631
CONSTRUCTION OF PREMIUM RAW RICE PROCESSING CENTER, CHURAMONI GAON, TEOK, JORHAT , ASSAM.

Gentlemen:

In accordance with the provisions of the Conditions of Contract, subclause 3.1 of the above-mentioned Contract, _____ *[name and address of Contractor]* (hereinafter called "the Contractor") shall deposit with _____ *[name of Employer]* a bank guarantee to guarantee his proper and faithful performance under the said Clause of the Contract in an amount of _____ *[amount of guarantee]*[1] _____ *[in words]*.

We, the _____ *[bank or financial institution]*, as instructed by the Contractor, agree unconditionally and irrevocably to guarantee as primary obligator and not as Surety merely, the payment to _____ *[name of Employer]* on his first demand without whatsoever right of objection on our part and without his first claim to the Contractor, in the amount not exceeding _____ [amount of guarantee][1] _____ *[in words]*.

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

This guarantee shall remain valid and in full effect from the date of the advance payment under the Contract until _____ *[name of Employer]* receives full repayment of the same amount from the Contractor.

Yours truly,

Signature and seal: _____
Name of Bank/Financial Institution: _____
Address: _____
Date: _____

1 An amount shall be inserted by the bank or financial institution representing the amount of the Advance Payment, and denominated in Indian Rupees.

PERFORMANCE BANK GUARANTEE

To: THE DIRECTOR, M/S "JORHAT AGRO PRIVATE LIMITED", JORHAT, ASSAM -785631

WHEREAS _____ *[name and address of Contractor]* (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. _____ dated _____ to execute _____ *[name of Contract and brief description of Works]* (hereinafter called "the Contract");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of _____ *[amount of guarantee]* [1] _____ *[in words]*, such sum being payable in the types and proportions of currencies in which the Contract Price is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of _____ *[amount of guarantee]*[1] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

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

This guarantee shall be valid until 28 days after the date of issue of the Certificate of Completion.

Signature and seal of the guarantor _____
Name of Bank _____
Address _____
Date _____

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1 An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract including additional security for unbalanced Bids, if any and denominated in Indian Rupees.

Section C. World Bank Policy on Corrupt and Fraudulent Practices

Guidelines for Procurement of Goods, Works, and Non-Consulting Services under IBRD Loans and IDA Credits & Grants by World Bank Borrowers, dated January 2011.

"**Fraud and Corruption:**

1.16 It is the Bank's policy to require that Borrowers (including beneficiaries of Bank loans), bidders, suppliers, contractors and their agents (whether declared or not), sub-contractors, sub-consultants, service providers or suppliers, and any personnel thereof, observe the highest standard of ethics during the procurement and execution of Bank-financed contracts. In pursuance of this policy, the Bank:

(a) defines, for the purposes of this provision, the terms set forth below as follows:

(i) "corrupt practice" is the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;

(ii) "fraudulent practice" is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;

(iii) "collusive practice" is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;

(iv) "coercive practice" is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;

(v) "obstructive practice" is

(aa) deliberately destroying, falsifying, altering, or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Bank investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or

(bb) acts intended to materially impede the exercise of the Bank's inspection and audit rights provided for under paragraph 1.16(e) below.

(b) will reject a proposal for award if it determines that the bidder recommended for award, or any of its personnel, or its agents, or its sub-consultants, sub-contractors, service providers, suppliers and/or their employees, has, directly or indirectly, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices in competing for the contract in question;

(c) will declare misprocurement and cancel the portion of the loan allocated to a contract if it determines at any time that representatives of the Borrower or of a recipient of any part of the proceeds of the loan engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices during the procurement or the implementation of the contract in question, without the Borrower having taken timely and appropriate action satisfactory to the Bank to address such practices when they occur, including by failing to inform the Bank in a timely manner at the time they knew of the practices;

(d) will sanction a firm or individual, at any time, in accordance with the prevailing Bank's sanctions procedures, including by publicly declaring such firm or individual ineligible, either indefinitely or for a stated period of time: (i) to be awarded a Bank-financed contract; and (ii) to be a nominated sub-contractor, consultant, supplier, or service provider of an otherwise eligible firm being awarded a Bank-financed contract;

(e) will require that a clause be included in bidding documents and in contracts financed by a Bank loan, requiring bidders, suppliers and contractors, and their sub-contractors, agents, personnel, consultants, service providers, or suppliers, to permit the Bank to inspect all accounts, records, and other documents relating to the submission of bids and contract performance, and to have them audited by auditors appointed by the Bank.