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Name of Work: Supply, Erection Installation and Commission of Establishment of Poultry and Fish feed plant including establishment of building and other civil works at Kathua District, Jammu and Kashmir.

ENIT No.: 45 of 2024-25 JK Agro

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J&K Agro Industries Development Corporation Limited
Gole Pully, Talab Tillo, Jammu

NOTICE INVITING TENDER

E NIT No. 45 of 2024-25 JK Agro

No.:Agro/DM/PSJ/5774-77

Dated: 16.12.2024

For and on behalf of the JK Agro, Industries Development Corporation Ltd e-tenders are invited on Turnkey basis for the following work on Percentage basis from registered firms/ contractors.

S. No.	Name of Work	Estimated. Cost (in lacs)	Cost of Tender Document (In Rs.)	Earnest money @ 2% of the Adv. Cost (In Rs.)	Time of completion
1.	Supply, Erection Installation and Commission of Establishment of Poultry and Fish feed plant including establishment of building and other civil works at Kathua District, Jammu and Kashmir.	815.16	5900.00	16,30,326	12 Months

Position of AAA: -Accorded

Position of Funds: - Partially Available

1. The Bidding Document Consisting of qualifying information , eligibility, criteria, Specification, set of terms and condition of contract and other details can be seen/downloaded from the departmental website www.jktenders.gov.in as per the schedule of dates given below:-

1	Date of Issue of NIT	16.12.2024
2	Period of downloading of bidder documents	16.12.2024 to 06.01.2025 till 16:00 PM
3	Bid submission Start date	16.12.2024
4	Pre Bid Meeting date	02.01.2025 at 12:00 Noon
5	Bid submission End date	06. 01.2025 till till 16:00 PM
6	Date and time of opening of technical bids (online)	07.01.2025 at 15:00 PM
7	Date and time of opening of financial	After the complete Technical Evaluation of

	bids (online)	documents of all participated bidders
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1. **Bids must be accompanied with cost of tenders' documents in shape of Bank Receipt in f/o J&K Agro Industries Development Corp. Ltd bearing J&K Bank Acc No CD-009701010000962, IFSC Code- JAKA0TNHALL, Earnest money/bid security in the shape of CDR/FDR Pledged in favour of Managing Director J&K Agro Industries Development Corporation Limited.**
2. **The date and time of opening of bid shall be notified on website www.jktenders.gov.in and convey to the bidder automatically through an e-mail message on their mail id. The **Financial bids of responsive bidders** shall be opened online on same website in the office of **Managing Director J&K Agro Industries Development Corporation Limited. (Tender receiving authority)**. The date for same shall be intimated separately**
3. **The earnest money shall be fortified if.**
 - a) Any bidder/ tenderer withdraws his bid/ tender during the period of bid validity or make any Modifications in the terms and conditions of the bid.
 - b) Failure of Successful bidder to furnish the required performance security within specified time period after issue of letter of acceptance.
 - c) Failure of Successful bidder to execute an agreement on an affidavit of Rs. 100/-within 07 days.
4. **Instruction to bidders regarding e-tendering process.**
 - 4.1 Bidders are advised to download a bid submission manual from the "Downloads" option as well as from "Bidders Manual Kit" on the website www.jktenders.gov.in to acquaint bid submission process.
 - 4.2 To participate in the bidding process, bidders have to get 'Digital Signature Certificate (DSC) as per Information. Technology Act-2000. Bidders can get digital certificates from any approved vendors.
 - 4.3 The bidders have to submit their bids online in electronic format with digital Signature. No bid will be accepted in physical form.
 - 4.4 Bids will be opened online as per the time schedule mentioned above.
 - 4.5 Bidders must ensure to upload a scanned copy of all necessary documents and their complete address, email-id and contract no. with the bid. Besides, original/Photocopies of documents related to the bid are submitted physically only by L-1 bidder.

Note: - Scan all the documents on 100 dpi with black and white option.

5. The department will not be responsible for delays in online submission due to any reasons.
6. Scanned copy of **cost of tender document** in shape of Bank Receipt and Earnest Money/Bid Security in shape of CDR/FDR pledged to **Managing Director J&K Agro Industries Development Corporation Limited** must be uploaded with the document of the bid.
7. Bidders are advised to use **the "My Documents"** area in their user on www.jktenders.gov.in portal to store such documents as are required.
8. The unit rates and prices shall be quoted by the bidders entirely in Indian Rupees and the rates quoted shall be deemed to include price escalation and all taxes up to completion of work unless otherwise, specified
9. That the payment is restricted to the contract cost and will be subject to the condition that no cost overrun of any kind is to be paid unless and until approved by the competent authority.
10. **The technical Bid must consist of the following information and documents.**

All bidders shall include the following information and documents with their bids: -

- a. Copy of GSTIN Registration Number and Latest GST-3B return file shall be furnished.
- b. Copy of PAN Number.
- c. EMD in the shape of CDR/FDR.
- d. Copy of cost of document (COD) in the shape of bank slip only.
- e. Copy of Average Annual Total Turnover with UDI No. mentioned.
- f. Copy of Experience with respect to the Similar Nature as per Technical Eligibility Criteria
- g. Notarized Affidavit with nomenclature of work for correct information duly signed by the contractor as per Annexure-C
- h. Copy of Bid Acceptance as per Annexure D
- i. Copy of MoU with registered Principal Manufacturer deals with Supply, Erection Installation and Commission of Poultry and Fish feed/Cattle feed plant machinery (as per Annexure E) in case the contractor/Bidder does not have its own Manufacturing Unit.

Note: The above documents are to be uploaded on the website before opening of technical bid

11. Technical Eligibility: -

<p>Documents Establishing Bidder's Eligibility and Qualifications</p>	<ol style="list-style-type: none"> 1. The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the Corporation satisfaction: <ul style="list-style-type: none"> • that, in the case of a Bidder offering to supply goods under the contract which the Bidder did not manufacture or otherwise produce, the Bidder has been duly authorized as per authorization form in Annexure-F by the goods' Manufacturer or producer to supply the goods in the Corporation's country. • that the Bidder has the financial, technical, and production capability necessary to perform the contract as per qualification requirements. • that the Bidder meets the qualification criteria listed in the Bid Data Sheet • If an agent submits bids on behalf of more than one Manufacturer, unless each such bid is accompanied by a separate Bid Form for each bid and an EMD, when required, for each bid, and authorization from each of the respective manufacturers, all such bids will be rejected as non-responsive. • That adequate, specialized hardware, related software expertise is already available or will be made available following the execution of the contract, in the Corporation's country, to ensure that the support services are responsive, and • That the Bidder has adequate experience in providing technical project management, and • That the Bidder will assume total responsibility for the fault free operations of the hardware, application software and
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	<p>maintenance during the warranty period and provide necessary maintenance services for One years after the end of warranty period.</p> <ul style="list-style-type: none"> • That the Bidder selected for the award of the Contract shall be responsible both for complying with any applicable export regulations and for obtaining the necessary export license in the country of origin. To this effect Bidder shall provide along with their bids, a document stating that it expects to obtain the required export license for the equipment, specified in the Technical Specification within 15 days of the contract signature date.
Experience with respect to similar nature of work	<p>1. Experience of having successful completed similar nature of work during last 07 years ending last day March 2024 should be either of the following.</p> <p>a) Three similar completed works costing not less than the amount equal to 40 % of the estimated cost or b) Two similar completed works costing not less than the amount equal to 50 % of the estimated cost. or c) One similar completed work costing not less than the amount equal to 80 % of the estimated cost.</p> <p>Tenderer to submit required details & documents in support. Note : Similar nature means establishment of fish/poultry/cattle feed plant on Turnkey Basis including all civil & Mechanical part of the facility or any other industrial unit on turnkey basis.</p> <p style="text-align: center;">OR</p> <p>Firms/contractor should have signed MOU with principal manufacturer deals with Supply, Erection Installation and Commission of Establishment of Poultry and Fish feed/Cattle feed plant machinery. Note : Similar nature means establishment of any industrial unit/any building work (only civil work as per experience criteria mentioned above).</p> <p>In this case experience mentioned at a, b & c should be limited & calculated separately for civil & mechanical nature of work.</p>

12. Financial Eligibility: -

Financial Eligibility Criteria Annual Turnover	The average annual total turnover / revenue from operations for the last three financial years (i.e. 2021-22, 2022-23 and 2023-24) should be of value not less than 30% of estimated cost. The information shall be supported by CA certificate
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(For any further queries please mail on md@jkagro.com, dmpsammu@jkagro.com).

**Sd/-
Divisional Manager
P&S Division, Jammu
JK Agro Industries
Corporation Ltd.**

J&K Agro Industries Development Corporation Limited

Standard Bidding Document

General terms and Conditions

The NIT consisting of qualifying information, eligibility criteria, specifications, terms & conditions, Bill of Quantities can be seen/downloaded from the J&K Govt. website www.jktenders.gov.in

1. The Bids shall be deposited in electronic format on the J&K Govt. Website www.jktenders.gov.in
2. The hard copies of original documents along with Bid security Declaration should be submitted only by the bidder who is declared as L1 after opening of financial bids in the office of Managing Director, Jammu.
3. In case of holidays/office happens to be closed on the date of opening of the bids, bids will be opened on the next working day at the same time and venue.
4. **It is presumed that the bidder has agreed upon all the terms and conditions of e-NIT and also thoroughly read the scope of work/Technical Specifications and has accepted all in total and is well versed with the's Laws / Rules of e-tendering.**
5. The bids for the work shall remain valid for a period of 120 days from the date of opening of bids.
6. **The earnest money shall be fortified if.'**
 - Any bidder/ tenderer withdraws his bid/ tender during the period of bid validity or make any Modifications in the terms and conditions of the bid.
 - Failure of Successful bidder to furnish the required performance security within specified period after issue of letter of acceptance.
 - Failure of Successful bidder to execute an agreement on an affidavit of Rs. 100/- within 07 days.
7. **Instruction to bidders regarding e-tendering process:**
 - a) The bidders must submit their bids online in electronic format with Digital Signature. No Financial bid will be accepted in physical form.
 - b) List of documents to be scanned and uploaded within the period of bid submission i.e.:

- i) Cost of Tender document in shape of Saving Receipt and uploading a copy of same one-tendering portal.
- ii) EMD in the shape of FDR/CDR EMD should be paid in favour of J &K Agro Industries Development Corporation Ltd through RTGS / NEFT **in f/o J&K Agro Industries Development Corp. Ltd bearing Acc No CD-0097010100000962, IFSC Code-JAKAOTNH ALL or in shape of CDR/FDR Pledged in favour of Managing Director J&K Agro Industries Development Corporation Limited. The cost of tender document should be paid through RTGS/NEFT/Bank Receipt in f/o J&K Agro Industries Development Corp. Ltd bearing Acc No CD- 0097010100000962, IFSC Code- JAKAOTNHALL.**The receipt of both the documents i.e Cost of tender document and EMD should be scanned and uploaded in the e-tendering website www.jktenders.gov.in along with E-Tender document.
- iii) Other documents comprising of copies of PAN card, Latest income Tax return, GST Registration Certificate with latest return, Tender document (SBD) duly signed & stamped on each leaf should also be uploaded.
- iv) **The Successful bidder** shall have to furnish the Performance Security @ 5 % of the quoted cost in the shape of **CDR/FDR/NEFT valid till successful completion and handing over of work allotted** within seven days of the notification of the same. In case of L-1 failing to provide performance security @ 5% for the works within 7days after being notified, his bid shall be cancelled, and work shall be offered to L-2 for execution on L-1's rates at the discretion of The Managing Director Concerned and his EMD shall be forfeited.
- v) The **Performance security @ 5% of the successful bidder** shall be released after successful completion and handing over of work allotted.

Note: The above documents are to be uploaded on the website before opening of technical bid

- a. The bidders are advised to accept and sign each leaf of the tender document with stamp/seal before uploading on the portal.

Note: -Scan all the documents on 100 dpi with black and white option.

The originality of the uploaded documents is the sole responsibility of the contractor.

- vi) **Unbalanced Bid:** The successful Bidder L1 shall have to deposit an additional performance security in the shape of CDR/FDR/NEFT before award of contract in case the bid of the lowest bidder is found to be unbalanced and following scale shall be apply thereto:

S.No	Percentage of unbalanced bid viz -a- viz Adv. Cost	Additional performance security to be deposited on quoted bid by L1
01	Up to and including 15% below	Nil
02	>15% up to and including 20% below	5%
03	>20% up to and including 25% below	10%
04	>25% up to and including 30% below	15%
05	>30% below	20%

The additional performance security shall be released after successful completion of work

- vii) J&KAIDCL will not be responsible for delay in online submission due to any reasons.
- viii) Bidders may contact the office of the Managing Director, Jammu for any guidance for getting DSC or any other relevant details in respect of e- tendering process through email or in writing during office hrs on working days only.
- ix) Bidders are advised not to make any change in BOQ (Bill of Quantities) contents. In no case they should attempt to create similar BOQ manually. The BOQ download should be used for filling the rate inclusive of all taxes and it should be saved/uploaded with the same name as it contains.
- x) The rates and prices shall be quoted by the bidder entirely on turnkey percentage basis and the rates quoted shall be deemed to include price escalation and all taxes up to completion of the work unless otherwise, specified.
- xi) Bidders are advised to use "My Documents" area in their user on J&K Govt. E-Tendering portal i.e. www.jktenders.gov.in to store such documents as is required.
- xii) Scheme of bidding process: The bid submitted by the Bidder shall be in two separate parts.
 - A. PART I: This shall be named technical Bid and shall comprise of:
 - 1. Scanned copies of all documents listed in as technical bid (Hardcopies to be submitted only after the bidder is declared L1)
 - B. It shall be named Financial Bid and shall comprise of:
 - 1. **Percentage** rates of Items offer as specified in subject matter—the financial bid (i.e. rates offered in the BOQ) shall be submitted & opened online only. (No hard copy of Price BOQ shall be submitted)

xiii) Terms and Conditions:

- a) Detailed specification of the work is laid down in Annexure "A" called "Technical Specification"
- b) The detailed terms & conditions of the NIT are laid down in Annexure "B" of this tender document.
- c) The intending bidders are advised to visit the site at **Kathua (Bhag Thali)** to ascertain the exact quantum of work be for quoting their rates in their own interest.

xiv) Bid Prices:

- i) The Contract for the work shall be as described in NIT.

- ii) The Bidder shall quote for the mentioned job in bid form.
- iii) The prices to be quoted by the intending tenderer shall include the supply of material and other items required for carrying out the job to fulfill the intent and purpose as laid down in the specifications whether specifically mentioned or not. The prices/rates quoted shall be inclusive of all taxes, duties, packing, forwarding, freight, transit insurance and all other levies as applicable by the Central as well as UT Government including the WCT as applicable in the J & K UT Govt. on work contracts for the completion of the work. The successful tenderer/contractor, on completion of the contract/work, shall be issued a certificate in the prescribed format from the Managing Director, JK AIDCL for the purpose of proof of payment of such tax. Failure to include all other taxes and duties will not entitle the contractor to any extra claims from the Department. The contractor's rates shall remain firm and fixed during the currency of the contract.
- iv) The rates and prices quoted by the Bidder shall remain fixed for the duration of the contract and shall not be subject to adjust men on any account.

xv) Bid Validity:

- i) Bid shall remain valid for a period of 180 days after the deadline date for bid submission.
- ii) In exceptional circumstances, prior to expiry of the original time limit, the Department may request the bidder to extend the period of validity for a specified additional period. The request and the bidder's responses shall be made in writing. A bidder may refuse the request without forfeiting his earnest money. A bidder agreeing to the request will not be required or permitted to modify his bid but will be required to extend the validity of his earnest money for a period of the extension.

xvi) Preparation of Bids:

- i) Language of Bid is English. (All documents in any other language shall be translated in English)

xvii) Format and Signing of Bid:

- i) The bid shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign on behalf of the bidder. All pages of the Bid shall be signed by the person or persons signing the Bid.
- ii) The Bid shall contain no overwriting, alterations or additions, except those to comply with instructions issued by the Departments, or as necessary to correct errors made by the Bidder. In that case such corrections shall be made by scoring out the cancelled portion, writing the correction and initialing and dating it by the person or persons signing the Bid.

xviii) Submission of Bids:

- i. If the scanned copy of cost of tender document (non-refundable) is not uploaded.
- ii. If the scanned copy of Bid security Declaration Form duly filled, Sign & Stamp (as per SBD) is not uploaded.

- iii. The Department may extend the deadline for submission of bids online by issuing an amendment, in which case all rights and obligations of the Department and the bidders previously subject to the original deadline will then be subject to the new deadline.
 - a. **The bid submitted shall be out-rightly rejected:** -
 - i) If the scanned copy of cost of tender document (non-refundable) is not uploaded.
 - b. **The bid submitted shall be liable to be rejected:** -
 - i) If the bidder does not upload all the documents as stipulated in the bid document.
 - ii) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies of L1 bidder (declared after technical and commercial evaluation) submitted physically after opening of the financial bid in the office of tender opening authority.
 - iii) The originality of the uploaded documents is the sole responsibility of the contractor.
- xix) **Fundamental breach of contract will include:**
 - i) Continuous stoppage of work for a period of 05 days without authorization of PMC and Project Management Committee.
 - ii) The contractor is declared bankrupt.
 - iii) Any evidence of involvement of contractor in corrupt practices.
 - iv) Contractor delays the completion of work beyond stipulated time of completion.
- xx) Pursuant to the process of termination of the defaulted contract, the Department reserves the right to invite a fresh tender for the balance work at the risk and cost of the defaulter contractor.
- xxi) Major labour laws applicable to establishment engaged in building and other construction work:
 - i) Compliance with Labour Regulation Laws of U.T.
 - ii) Specification/Quality Control: All items of works shall conform to specifications as per latest ISI specifications/any other relevant prescribed specifications.
 - iii) Insurance: Insurance cover to Labour/Machinery/Work/Plant material/Equipment by the contractor shall be mandatory and is sole responsibility of contractor.
 - iv) Laws Governing the Contract: -The contract shall be governed by the Laws of the land.
 - v) Labour Laws applicable as enforced in the U.T of Jammu and Kashmir
- xxii) The Plant shall remain on trial basis for a period of 01 months before handing it over to the Corporation.
- xxiii) The EMD of the entire bidders including the L1 will be returned on allotment of the work. L1 bidder shall be required to deposit 5% only as performance security.
- xxiv) For any other Terms and Conditions not part of this tender. The terms and Conditions as per PWD JK tender notice shall be applicable.

J&K Agro Industries Development Corporation Limited

Annexure "A"

TERMS AND CONDITIONS

1. The tenderers should bear in mind and comply with the following instructions and terms & conditions while tendering for the work/ contract on Percentage basis as per scope of work and terms and conditions of the detailed tender document.
2. The tenderer should inspect the site Kathua of the proposed work and fully acquaint himself with the working conditions before quoting their rates. It will be construed that the tenderer has studied the site conditions completely and satisfied him with respect to the same.
3. **Definitions:** In constructing the terms and conditions of this tender document or of the documents forming part thereof, unless the context otherwise requires, the following words and expressions shall have the meanings here in after assigned to them:
 - i) "corporation" shall mean J&K Agro Industries Development Corporation represented by The Managing Director and/or his authorized representative. Engineer-in-charge and Project Management Committee" means a representative of JK AIDCL.
 - ii) "Contractor" shall mean the tenderer whose tender has been accepted and who is authorized to enter into an agreement with the Department for execution and completion of the works tendered for by him.
 - iii) "Works" shall mean all works to be executed by the contractor in accordance with the specifications and scope of work as specified in the tender document.
 - iv) Notice in writing or written Notice shall mean a notice or a communication in writing, typed or printed, sent either under registered post, ordinary post or electronic form to the last known private or business address or delivered personally by hand to the contractor.
 - v) Words incorporating the singular only also include the plural and vice-versa.
 - vi) The Marginal Headings and notes shall not be deemed to be part of this contract or taken into consideration in the interpretation or construction of this contract.
4. **Rates:** The rates quoted shall be FOR site, which will include the cost of transportation of materials to the site, storage at site, all handling at site and incidental expenses, all taxes such as GST, entry tax, toll tax etc. and the fixing in position for which the item of work is intended to be operated.
5. **Price Escalation:** No cost escalation on any account shall be entertained in the quoted rates and the rates quoted shall be firm & final and shall remain valid till the completion of the contract. Contractors shall state their bid price for the payment schedule outlined in the payment schedule. Bids will be evaluated on the Basis. No deviation in payment schedule shall be entertained.
6. **Tender Acceptance:** The acceptance / approval of the tender will rest with the Managing Director, JK AIDCL who does not bind himself to accept the lowest tender and reserves to himself the authority to reject any or all of the tenders received without assigning any reason(s). Conditional tenders shall be outrightly rejected .The Managing Director, JK AIDCL, also reserves the right to accept the whole or any part of the tenders received, and the tenderers shall be bound to perform the same at the quoted

rates.

7. Security deposit/ Performance security

- a) **The Successful bidder on notification** shall have to furnish the Performance Security @ 5 % of the quoted cost in the shape of **CDR/FDR/NEFT valid till successful completion and handing over of work allotted** before issuance of LOI (**Letter of Intent**). In case L-1 failing to provide performance security @ 5% for the works within 7 days after being notified, his bid shall be cancelled, and work shall be offered to L-2 for execution on L-1's rates at the discretion of The Managing Director.
- b) The **Performance security @ 5% of the successful bidder** shall be released after successful completion and handing over of work.
- c) The Bid not accompanied by Bid Security Declaration shall be outrightly rejected.
- d) If in case contractor failed to start/complete the work, within the stipulated time period, his Security Deposit/Performance Guarantee @5% shall be forfeited after termination of the contract. Besides, the defaulting contractor shall be debarred from taking work in the Department for at least one year.

8. **Unbalanced Bid:** The successful Bidder L1 shall have to deposit an additional performance security in the shape of CDR/FDR/NEFT before award of contract in case the bid of the lowest bidder is found to be unbalanced and following scale shall be apply thereto:

S.No	Percentage of unbalanced bid viz -a- viz Adv. Cost	Additional performance security to be deposited on quoted bid by L1
01	Up to and including 15% below	Nil
02	>15% up to and including 20% below	5%
03	>20% up to and including 25% below	10%
04	>25% up to and including 30% below	15%
05	>30% below	20%

The additional performance security shall be released after successful completion of work

9. Terms of Payment:

- a) The payment of the contractor shall be cleared in 04 equal parts. The 1st running bill of the contractor shall not be less then the 25% value of the civil part, 2nd running bill should of 50% value of the civil part, 3rd running bill should of 75% of civil part.
- b) Final bill on completion of 100% of civil work. .
- c) The bill for mechanical part shall be paid against Successful commissioning and Trail run of the facility .
- b) 10% of the whole contract amount shall be kept as Security Deposit which shall be deducted on each bill and will be released after the completion of Defect Liability Period or against bank guarantee of the equivalent amount i.e 10 % of the contract value from nationalized bank.

For payment of Running Account Bills, the mandatory documents, for Machinery

Civil & Services RA bill

- 1. Work Order with clear rates and quantity

2. Current and previous RA bills along with Measurement Sheet of work done at site viz a viz components mentioned in BoQs of work order
3. Verification of rates and quantities with work order
4. Reporting any deviation in above to arrange amended work order or additional work order
5. TDS calculation
6. Retention calculation
 - c) The payment claim shall be processed as per the claim verified by the Project Management Consultant (PMC) appointed by the corporation and Project Management Committee of the corporation. The work shall be supervised by the Project Management Consultant and Project Management Committee of the corporation.
 - d) The contractor must produce the Geo-tagged photographs of before, after and during the execution of the work for the processing of the bill.

10. The material what so ever recovered after dismantling/demolishing of the old structure shall be the property of Corporation.

11. **Quantities:** The tendered quantities are tentative and may increase or decrease at the time of actual execution of work as per requirement.

12. **Time of completion:** 12 Months days from the date of allotment.

13. **Extension in time:** If the contractor shall desire an extension in time for completion of the works on the grounds of his having been un-avoidably hindered in its execution or on any reasonable ground certified as such by the Engineer-in-charge and Project Management Committee/Project Management Committee, he shall apply to the Managing Director JK AIDCL within **02days** of the date of such event. The Managing Director, JK AIDCL may on reasonable grounds therefore authorize such extension as in his opinion is necessary for completion of the works in its entirety.

14. **Penalty:** In the event of contractor's failure, neglecting declining or delaying the supplies / installation or in the event of any damage occurring or being caused or in the event of any default or failure in complying with any of the terms and conditions of the contract, the corporation shall with or without prejudice any other remedy available to it under any law for the time being in force in the :

- a. Terminate the contract after 30 days' notice.
- b. Recover the amount of loss caused by damage failure or default including the consequential damage as may be determined by the department and/or
- c. Recover the extra cost, if any, involved in allotting the contract to the other party and/or.
- d. Impose a penalty in the form of liquidated damages on accounts of delay beyond the scheduled delivery period subject to **0.5% value of the contract per day** and not exceeding 10% value of the contract and /or.
- e. Forfeiture of security deposit/ Performance guarantee

15. **Commencement of work:** The contractor shall commence work on site within 15 days from the date of issue of work order.

16. **Site Supervision:** The work shall be carried out under the direction and supervision of the Engineer In-charge and Project Management Consultant. The contractor shall intimate the name of their

accredited representative who will be supervising the installation and will be responsible for taking instructions for carrying out the work on a day-to-day basis.

17. Quality: The decision of the Engineer In-charge and Project Management Consultant with regard to the quality of the material and workmanship will be final and binding and the material/equipment rejected by the corporation shall be immediately removed by the contract or from the site.

18. Equipment Inspection The inspections and tests may be conducted on the premises of the Contractor or its subcontractor(s), at point of delivery and/or at the Goods destination. If conducted on the premises of the Contractor or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data shall be furnished to the inspectors at no charge to the Purchaser.

- Any inspected or tested Goods fail to conform to the specifications, the Purchaser may reject the goods, and the Contractor shall either replace the rejected Goods or make alternations necessary to meet specification requirements free of cost to the Purchaser.
- The Purchaser's right to inspect, test and, where necessary, reject the Goods after the Good's arrival at Project Site shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representative prior to the Goods shipment.

19. Manuals and Drawings

- Before the goods and equipment are taken over by the Purchaser, the Contractor shall supply operation and maintenance manuals together with drawings of the civil works and goods & equipment. These shall be in such detail as will enable the Purchaser to operate, maintain, adjust and repair all parts of the equipment as stated in the specifications.
- The manuals and drawings shall be in the ruling language (English) and in such form and numbers as stated in the contract.
- Unless we agree, the goods and equipment shall not be considered to be completed for the purpose of taking over until such manuals and drawings have been supplied to the Purchaser.

20. Packing The Contractor shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit. The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be provided for in the Contract including additional requirements, if any, specified and in any subsequent instructions ordered by the Purchaser.

21. Training The Contractor is required to train the designated Purchaser's technical and end-user personnel to enable them to effectively operate the total system. The training schedule will be agreed to by both parties during the performance of the Contract.

22. Damage to works during or after execution: If the contractor or his workers break, deface, injure or destroy any part of the structure or other property in the vicinity of the works belonging to any

person in or on which they may be working, such structure, roadkerbs, embankments, fence enclosure, water pipes, cables, drains, electrical or telephone posts, or wares, trees, grass or grassland or cultivated ground contiguous to the premises on which the work or any part of it is being executed shall make the same good at his own cost and in default, the PMC and Project Management Committee shall cause the same to be made good and deduct the cost thereof from any sums that may be due to the contractor under this contract from his security deposit for other works under the Department.

23. Change Orders: The Purchaser may at any time, by written order given to the Contractor pursuant to make changes within the general scope of the Contract in any one or more of the following.

- Drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser.
- the method of shipping or packing.
 - the place of delivery; and/or
 - the Services to be provided by Contractor
 - If any such change causes an increase or decrease in the cost of, or the time required for, the Contractor's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Contractor for adjustment under this clause must be asserted within thirty (30) days from the date of the Contractor's receipt of the Purchaser's change order.

24. Defects Liability Period: The firm shall be bound for a period of 12 months for civil months and 60 months for mechanical part from the date of handing over of job for satisfactory operation of the same and shall furnish a guarantee to this effect to the department / Government. Any defects found in equipment or any part thereof, which may be caused by bad workmanship, use of inferior material or otherwise, or if in the opinion of the department, any repairs/ replacement are required to be made to the equipment the firm shall be liable to remove the defect/ or conduct repairs at his own cost and expenses within a period of 03 days of the receipt of the notice from the corporation. In the event of failure on the part of the firm to remove these defects or make repairs within the stipulated period, the department may get the defects removed or repairs made by any other agency and the cost thereof shall be recovered from the deposit amount of the firm which shall lie with the corporation.

25. After the completion of DLP the security deposit of civil part shall be released immediately & 10% security deposit of mechanical part shall be released in 02 parts. 05 % after successful completion of 02 years of DLP/warranty period and another 05 % shall be released after successful completion of 05 year Maintenance Period.

26. Annual maintenance and repair cost Contractor Shall provide annual maintenance services for equipment, installation for the period of 05 years including the warranty period and training of corporation staff. Annual maintenance and repair cost for each good/equipment which should include cost of all consumables, cost of any periodic part replacement occurring within O&M period (excluding warranty period).

27. Addition/Alteration in work contract: No addition/alteration to the work shall be allowed without prior approval from the competent authority i.e. Managing Director, JK AIDCL.

28. Subletting: The contractor shall not assign or sublet the works in whole or part without the written permission from the competent authority & in case the contractor assigns or sublets the contract or attempts to do so. The contract will be terminated and actions as deemed fit shall be taken by the department.

29. The hardcopies of original documents along with EMD in the shape of CDR/FDR should be submitted only by the bidder who is declared as L1 after opening of financial bids in the Office of Managing Director, J&K Agro Industries Development Corporation Limited.

30. Contract Signing: After acceptance of the contract the tenderer shall sign the necessary contract papers/agreement within 07 days of the intimation. Expenses for the agreement, including cost of stamp paper etc. shall be borne by the contractor. The delay or failure to execute the agreement shall in no way affect the time of completion of work which will be reckoned from the date of placement of supply order/ work order/ letter of intent.

31. Warranty Period: The overall job shall be guaranteed for a period of 12 months besides annual maintenance service as mentioned at clause 25.

32. Fees and Permits: The contractor shall obtain all necessary permits / clearances and pay for any and all fees required for installation of the equipment.

33. Watch and ward of equipment/material: The contractor shall be responsible for the watch and ward of his equipment / materials aforesaid. In case of any loss or damage to the said equipment /material etc. on any account, the contractor shall make good the loss or replace the deteriorated material at his cost and expenses and the Department shall in no case be liable to pay any compensation.

34. Currency of bid and payment: The rates and prices shall be quoted by the bidders entirely on percentage basis.

35. Materials, Plants & appliances: The contractor shall arrange at his cost all materials, plants, tools, appliances and temporary works required for the execution of the works

36. Indemnity: The contractor shall make the Department harmless and shall settle all compensation claims arising as a result of accidents etc. aforesaid during the execution of the works at his own cost.

37. Insurance

a) The Goods supplied under the Contract shall be fully insured in Indian Rupees / or freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the specified manner.

b) **Employee Insurance:** ESI charges, if applicable to the workforce employed, shall be borne by the contractor.

c) Insurances (i.e, Contractor All risk policy & Workmen Compensation Policy) for works, persons and property shall be taken by the contractor at his own cost for the entire duration of the project. Therefore, the tenderer shall quote their rates inclusive of premium amounts of the Insurance Policies.

38. Force Majeure: Any failure or omission to carry out the provisions of the contract shall not give rise to any claim by the department or the approved Contractor/contractor one against the other if such failure or omission arises from an “Act of God” which shall include all natural calamities such as fires, earthquakes, floods, hurricanes, strikes, riots, embargoes or from any political or other reasons beyond the control of parties including war, whether declared or not, civil war or a of insurrection.

39. Decision of the Managing Director to be final: Except where otherwise specified in the contract, the decision of the Managing Director, JK AIDCL, shall be final, conclusive and binding upon the contractor on all questions relating to the meaning specifications, design, drawings, the instructions mentioned, and the quality of workmanship or materials/equipment used for the works.

40. ARBITRATION CLAUSE: If any question, dispute or difference what so ever, arises between the firm & the deptt./ Government in relation to or in connection with this contract either of the parties may give notice in writing of such questions, dispute or difference and the same be referred to the arbitration of a person to be mutually agreed upon or failing such agreement within thirty days of receipt of such notice of person appointed by the Jammu & Kashmir government. This submission shall be deemed to be a submission to arbitration within the meaning of the Jammu & Kashmir Arbitration Act. In witness thereof the parties here to have signed this agreement on the dates respectively mentioned against their signatures. The provision of J&K Arbitration Act Samvat 2002 and of the rules there under and statutory modification thereof shall be deemed to apply to the arbitration disputes if any regarding reference to courts shall be subject to jurisdiction of J&K courts only

41. Jurisdiction of Court: For any dispute arising out of this contract the Court of Jammu & Kashmir at Jammu/Srinagar only shall have jurisdiction.

42. Technical Eligibility: -

<p>Documents Establishing Bidder's Eligibility and Qualifications</p>	<p>2. The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the Corporation satisfaction:</p> <ul style="list-style-type: none"> • that, in the case of a Bidder offering to supply goods under the contract which the Bidder did not manufacture or otherwise produce, the Bidder has been duly authorized as per authorization form in Annexure-F by the goods' Manufacturer or producer to supply the goods in the Corporation's country. • that the Bidder has the financial, technical, and production capability necessary to perform the contract as per qualification requirements. • that the Bidder meets the qualification criteria listed in the Bid Data Sheet • If an agent submits bids on behalf of more than one
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	<p>Manufacturer, unless each such bid is accompanied by a separate Bid Form for each bid and an EMD, when required, for each bid, and authorization from each of the respective manufacturers, all such bids will be rejected as non-responsive.</p> <ul style="list-style-type: none"> • That adequate, specialized hardware, related software expertise is already available or will be made available following the execution of the contract, in the Corporation's country, to ensure that the support services are responsive, and • That the Bidder has adequate experience in providing technical project management, and • That the Bidder will assume total responsibility for the fault free operations of the hardware, application software and maintenance during the warranty period and provide necessary maintenance services for One years after the end of warranty period. • That the Bidder selected for the award of the Contract shall be responsible both for complying with any applicable export regulations and for obtaining the necessary export license in the country of origin. To this effect Bidder shall provide along with their bids, a document stating that it expects to obtain the required export license for the equipment, specified in the Technical Specification within 15 days of the contract signature date.
<p>Experience with respect to similar nature of work</p>	<p>1. Experience of having successful completed similar nature of work during last 07 years ending last day March 2024 should be either of the following.</p> <p style="padding-left: 40px;">a) Three similar completed works costing not less than the amount equal to 40 % of the estimated cost</p> <p style="padding-left: 80px;">or</p> <p style="padding-left: 40px;">b) Two similar completed works costing not less than the amount equal to 50 % of the estimated cost.</p> <p style="padding-left: 80px;">or</p> <p style="padding-left: 40px;">c) One similar completed work costing not less than the amount equal to 80 % of the estimated cost.</p> <p>Tenderer to submit required details & documents in support.</p> <p>Note : Similar nature means establishment of fish/poultry/cattle feed plant on Turnkey Basis including all civil & Mechanical part of the facility or any other industrial unit on turnkey basis.</p> <p style="text-align: center;">OR</p> <p>Firms/contractor should have signed MOU with principal manufacturer deals with Supply, Erection Installation and Commission of Establishment of Poultry and Fish feed/Cattle feed plant machinery.</p> <p>Note : Similar nature means establishment of any industrial unit/any building work (only civil work as per experience criteria mentioned above).</p>

	In this case experience mentioned at a, b & c should be limited & calculated separately for civil & mechanical nature of work.
Financial Eligibility Criteria Annual Turnover	The average annual total turnover / revenue from operations for the last three financial years (i.e. 2021-22, 2022-23 and 2023-24) should be of value not less than 30% of the estimated cost. The information shall be supported by CA certificate

- 43.** If any item is not mentioned / incorporated in the scope of work of NIT, but necessary for successful commissioning of the job, it shall be deemed to have been incorporated for which no extra cost shall be paid by the Department.
- 44.** The bidders are requested to visit the site Kathua to get acquainted with the nature and quantum of job.
- 45. Cancellation:**
- a. The Managing Director reserves the right to cancel the tender before issuance of allotment without assigning any reason thereof.
 - b. The Corporation reserves the right to cancel the allotment order in case of fault on the part of the contracting agency and also prior to the receipt of the intimation regarding taking in hand execution of work against the order. No, claim whatsoever, shall be tenable against the corporation on this account
- 46.** All other terms and conditions as reflected in NIT shall also be applicable.
- 47.** Tenderer / bidder shall quote their rates inclusive of GST.
- 48.** GST, Building & other construction workers cess or any other tax, levies, duties on materials and on complete works in respect of this contract shall be payable by the contractor. JK AGRO will not entertain any claim whatsoever in this respect. This should be included in the rates quoted by the contractor.
- 49.** The contractor shall be required to pay cess @ 1% of cost of construction work in accordance with each bill payable on account of such construction to the concerned State of Govt. (Labour Deptt.). Cost of material shall be outside the purview of cess, when supplied under a separate schedule item." JK AGRO shall not entertain any claim whatsoever in this respect.
- 50.** If the overall rate, quoted by two or more qualified successful bidders, is the lowest and same, then the successful bidder will be selected on the basis of lottery in presence of concerned bidders. The Tender Evaluation Committee will conduct the lottery.
- 51.** Tests: If the PMC and Project Management Committee instructs the contractor to carry out a test not specified in the specification to check whether any work has a defect and the test confirms the defect, then the contractor shall have to pay for the tests and the defective work shall have to be dismantled and reconstructed in accordance to the IRC/MOST/BIS/CPWD/NBO specifications as applicable. Cost of the tests to be borne by the tenderer.
- 52.** The contractor will furnish documentary proof of procurement of material like cement, steel and other equipment and goods to the Project management consultancy and Engineer In-charge. This will include original vouchers for all quantities in lieu of purchase of material/equipment's etc. from the

original manufacturer or authorized dealer/distributor to the satisfaction of PMC and Project Management Committee for ascertaining of genuineness of materials.

No extra payment on account of quality control measures shall be paid to the contractor.

53. **Identifying defects:** The engineer of PMC shall check the contractor's work and notify the contractor of any Defects that are found. Such checking shall not affect the contractor's responsibilities. The engineer may instruct the contractor to search for a defect and to uncover and test any work at site.
54. **Correction of defects:** The engineer shall give notice to the contractor of any defects before the end of the Defect Liability Period, which begins at completion and is defined in the contract data. The DPL shall be extended for as long as defect remains to be corrected.
55. Every time notice of a defect is given, the contractor shall correct the notified Defect within the length of time specified by the Engineer's notice.
56. **Uncorrected Defects:** If the contractor has not corrected a defect within the time specified in the Engineer's notice, the engineer will assess the cost of having the Defect corrected, and the contractor will pay this amount.
57. The material used by the contractor at the site should be of approved brand/quality/specifications and any lapse in this regard shall be the responsibility of the contractor.
58. **Tests:** the contractor shall be solely responsible for carrying out the mandatory tests (Concrete Block etc) required for the quality control at his own cost including that of material supplied for execution.
59. **Restoration of site:** On completion of the contract, the contractor shall be responsible for removing all unused material and clearing of site.
60. **Treasures & Fossils:** Anything of historical or other interest or of significant value unexpectedly found on the site shall be the property of the Government.
61. **The corporation has engaged the Project Management Consultants with following defined duties and responsibilities:**
 - i) Project management and monitoring to ensure timely completion of the work.
 - ii) Submission of monthly progress report detailing the physical progress of work.
 - iii) For day-to-day supervision and management of site works, including quality control, PMC shall deploy adequate and competent manpower at construction sites as per site requirement. They will also ensure quality control at contractor's premises / plant location, if processed materials are scheduled to be supplied from outside locations, for effective project management and quality control
 - iv) Maintenance of site records as per the rules and regulations of Government, CVC, internal vigilance and other instructions of JK AIDCL, if any.

- v) Inspection of Project sites by the Supervisory Engineers & Project Coordinators of suitable level as per the JK AIDCL guidelines at planned intervals, along with recording of observations in the Site Order Book & other important registers, including issue of inspection notes for observations recorded during their visits of project sites, to all concerned including JK AIDCL, for compliance and information.
- vi) Certification of contractor's bills as per extant norms, including recording of test checks as per the JK AIDCL guidelines.
- vii) Monitoring of adherence by the contractor to the time schedules, various labour laws, safety regulations, insurance policy and any other statutory requirements, supervision and inspection of work during the construction period.
- viii) Supervision and inspection of work during the construction and Defect Liability Period.
- ix) Issue of work completion certificate after successful completion of construction work in part or full, after the joint survey of JK AIDCL and Contractor.
- x) Defect Liability Period (DLP) shall be normally one year for civil works and 60 months for Mechanical part after the handing over of site or issue of successful work completion certificate, whichever is earlier. Consultant shall supervise rectification works of defects noticed during the DLP. Consultant or Project In- Charge / Executive of JK AIDCL shall issue maintenance completion certificate, after successful completion of DLP.
- xi) Performance, testing and commissioning.
 - a) Issue of test certificates and "as fitted/completion drawings".
 - b) Availability of operation maintenance and service.
 - c) Seasonal performance testing for maintenance of specified temperature of Refrigeration system for all seasons.
 - d) Consultant shall bring to the notice of the corporation if anything additionally required to be done for smooth operation of the plant equipment etc.

However, if their duties and responsibilities are not exhaustive management may add our other duties and responsibilities to P.M.C as per the requirement of work at site.

The contractor shall coordinate and comply with P.M.C advise/Instructions

62. Scope of Work

- a) Tenderer has to supply, install, test and successfully commission all BOQ items.
- b) The tender will ensure supply of all items as per the approved makes list mentioned in the tender. In case any make is not available then reference has to be made to JKPWD norms and concerned IS for that specific item.
- c) The tenderer shall guarantee all the equipment offered for satisfactory performance for a period of one year for civil works and 60 months for Mechanical part from the date of commissioning and handing over the installation to JK Agro against defects arising out of faulty design, material &

workmanship. The tenderer should make good all the defects free of costs during the guarantee period and replace or repair the defective equipment/parts free of cost promptly and satisfactorily.

- d) The defects liability period will be 12 months after actual & final completion of work.
- 63. For any other Terms and Conditions not part of this tender. The terms and Conditions as per PWD JK tender notice shall be applicable.
- 64. For any difficulty in downloading & submission of tender document at website, www.jktenders.gov.in

Sd/-
Divisional Manager
P&S Division, Jammu
JK Agro Industries Corporation Ltd.

ANNEXURE "A1"

Technical Specifications and Drawings

SL.NO	DESCRIPTION OF ITEM	Qty	Unit	Rate	Amount
A	BOQ for Factory Building				
	Sub Head-I Factory Building				
	Earthwork				
1	Earth work in bulk excavation by mechanical means (hydraulic excavator) over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 m ² on plan) including disposal of excavated earth lead upto 50 meters and lift upto 1.5 m, as directed by Engineer-in-Charge. All kinds of soil	545.0688	Cum	183.35	99938.36
2	2.9 Earth work in excavation by mechanical means (hydraulic excavator) in trenches for foundations, drains, pipes, cables etc. (not exceeding 1.5 m in width) and for shafts, wells, cesspits and the like not exceeding 10 sqm on plan, including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out excavated earth and disposal of surplus excavated earth as directed, within a lead of 50 metres: 2.9.1 All kinds of soil :	36.56634	Cum	256.85	9392.06
3	Supplying and filling in plinth with fine sand under floors including, watering, ramming, consolidating and dressing complete.	745.735304	Cum	1204.5	898238.17
4	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm depth, consolidating each deposited layer by ramming and watering lead upto 50m and lift upto 1.5m	250.53698	Cum	218.4	54717.28
	Concrete Works				
5	Providing and laying in position cement concrete of specified grade including curing but excluding the cost of centring and shuttering. All work upto plinth level with 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	179.53142	Cum	5202.9	934084.03
6	Providing and laying in position cement concrete of specified grade including curing but excluding the cost of centering and shuttering. All work upto plinth level with 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	107.47792	Cum	5733.6	616235.40
	Reinf. Cement Concrete				

7	5.1. Providing and laying in position specified grade of reinforced cement concrete including curing but excluding the cost of centering, shuttering, finishing and reinforcement. All works upto plinth level : 5.1.2 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	215.256275	Cum	7788.4	1676501.97
8	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 upto floor five level including curing but excluding cost of centering shuttering, finishing and reinforcement.				
8.1	5.2.2 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	94.187772	Cum	10299.65	970101.09
9	5.3 Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15°, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto five level including curing but excluding the cost of centring, shuttering, finishing and reinforcement with 5.3.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	66.703185	Cum	9821.85	655148.68
10	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete with Thermo-Mechanically Treated bars of grade Fe-500D or more.	38577.1177	Kg	123.2	4752700.90
11	6.1 Brick work with common burnt clay (non-modular) bricks of class designation 7.5 in foundation and plinth including curing in: 6.1.5 Cement mortar 1:6 (1 cement : 6 coarse sand)	39.3379222	Cum	7163.6	281801.14
12	6.37 Brick work with clay fly ash (non-modular) bricks of class designation 7.5 above plinth level upto floor five level and curing complete in: 6.37.2 Cement mortar 1:6(1cement : 6 coarse sand)	380.608193	Cum	9027.2	3435826.28
13	Extra for brick work in superstructure above plinth level floor V level	50.8305	Cum	1416.35	71993.78
14	12mm Plaster of mix 1:6 (1Cement:: 6 Fine Sand)	1588.79095	Sqm	266.2	422936.15

15	15mm Cement plaster on the rough side of single or half brick wall of mix 1 : 6 (1 cement : 6 fine sand)	1614.32842	Sqm	306.85	495356.68
16	6mm Cement plaster to Celieng of mix 1:3 (1Cement:3 fine sand)	26.307	Sqm	241.25	6346.56
17	Making of Grove 12mm x 10mm between bricks and RCC	2904.56	Mtr.	371.8	1079915.41
18	Add or deduct for plaster drip coarse/ groove in plastered surface of moulding to RCC projections.	1970.16	Mtr.	60.3	118800.65
19	Bricks edging 7cm wide 11.4cmm deep to plinth protection with bricks of classd designation 75mm including grouting etc.	167.607	Mtr.	61.35	10282.69
	Formwork				
20	5.9 Centering and shuttering including strutting, propping etc. and removal of form for:				
20.1	5.9.1 Foundations, footings, bases of columns etc. for mass concrete.	395.25696	Sqm	286.35	113181.83
20.2	5.9.5 Lintel, beams, plinth beams, girders, bressumers and cantilevers.	887.9376	Sqm	577.55	512828.36
20.3	5.9.3 Suspended floors, roofs, landings, balconies and access platforms.	26.307	Sqm	718.2	18893.69
20.4	5.9.6 Columns, pillars, piers, abutments, posts and struts.	418.61232	Sqm	742.55	310840.58
20.5	5.9.16 Edges of slabs and breaks in floors and walls 5.16.1.1 Under 20 cm wide	3.1155	Sqm	295.5	920.63
21	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm bed of dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth and curing complete.	155.607	Sqm	572.8	89131.69
22	11.50A Providing and fixing 1st quality ceramic glazed floor 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.	32.1408	Sqm	1229.1	39504.257

23	52mm thick cement concrete flooring with concrete hardened topping, under layer 40 mm thick cement concrete 1:2:3 (1 Cement: 2 Coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer 12mm thick cement hardend mix: 2 stone aggregate 6mm nominal size) by volume, hardening compound mixed @ 2Ltr. per 50 Kg of cement or as per manufacture specifications. including cost of cement slurry and curing Complete but excluding the cost of nosing of steps etc complete.	997.9061	Sqm	816	814291.378
24	12mm Cement plaster finished with a floating coat of neat cement of mix: 13.7.1 1 : 3 (1 cement : 3 fine sand)	997.9061	Sqm	386.65	385840.394
25	9.21 Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 9.21.1 With ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws	9.4184	Sqm	3222.5	30350.794
26	9.8 Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick. 9.8.13.2 5.0 mm thick glass pane (weighing not less than 12.50 kg/sqm)	142.1056	Sqm	2098.6	298222.812
27	9.10 Providing and fixing glazed shutters for doors, windows and clerestory windows using 4mm thick float glass panes including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws.9.10.3 Second class deodar wood	71.0528	Sqm	4375.85	310916.39
28	9.28 Providing and fixing wire gauze shutters using galvanized M.S. wire gauze of average width for aperture 1.4 mm in both directions with wire of dia. 0.63 mm for doors, windows and clerestory windows with ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws as per direction of Engineer-in-charge : 9.28.3 Second class	71.0528	Sqm	4213.9	299409.39

	deodar wood				
29	9.40 Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete: 9.40.2.2 50 x 20 mm	500.1024	Sqm	236.8	118424.25
30	9.1Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia and length (hold fast lugs or with dash fasteners shall be paid for separately): 9.1.7 Sal wood	4.8503	Cum	141487.3	686255.85
31	P/F in position collapsible steel shutter with vertical channels,20x10x2mm and braced with flat iron diagonals 20x5mm size, with top and bottom rails of T-iron 40x40x5mm, with 40mm dia, steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	78.647	Sqm	9296.4	731133.97
32	9.75 Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete. : 9.75.1 250x10 mm	160	Nos.	373.5	59760
32.1	9.75.3 150x10 mm	160	Nos.	231.8	37088
33	9.82 Providing and fixing bright finished brass handles with screws etc. complete : 9.82.1 125 mm	100	Nos.	232.6	23260
34	Providing and fixing on wall face unplasticised-Rigid PVC rain water pipes conforming to IS:13592 Type A including jointing with seal rings conforming to IS:5382 leaving 10mm gap for thermal expansion. Single socketed pipes of 110mm diameter.	240	Mtr.	632.6	151824
35	Providing and fixing on wall face unplasticised-PVC moulded fitting/Accessories for unplasticised - rigid PVC rain water pipes conforming to IS:13592, Type-A including jointing with seal ring conforming to IS:5382 leaving 10mm gap for thermal expansion.				
35.1	Coupler 110mm	60	Nos.	156.65	9399
35.2	Single tee with doors 110 x 110 x 110mm.	60	Nos.	174.6	10476
35.3	Bend 87.5 x 110mm	60	Nos.	180.7	10842

36	For Shutrters of doors, windows and ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EDPM rubber/neoprene gasket required (fittings shall be paid for seperately). Powder coated aluminium (minimun thickness of power coated 50 microns) 2.60mm or 12 gauge).	900	Kg	602.8	542520
37	Providing and fixing aluminium sliding door bolts ISI marked (anodized anodic coating not less than grade Ac 10 as per IS:1868) transperent or dyed to required colour or shade with necessary screws etc. complete. 300x16mm.	10	Nos.	297.3	2973
38	9.68 Providing and fixing oxidized M.S. hasp and staple (Safety type) conforming to IS : 363 with necessary screws etc. complete:	280	Nos.	32.35	9058
39	Providing 40 x 5mm flat iron hold fast 40cm long including fixing to frame with 10mm diameter bolts,nuts and wooden plugs and embeddings in cement concrete block 30x10x15cm 1:3:6mix (1Cement:3Coarse sand:6graded stone aggregates 20 mm nominal size).	990	Nos.	190.2	188298
40	9.83 Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete	12	Nos.	143.7	1724.4
41	13.70 Painting with synthetic enamel paint of approved brand and manufacture to give an even shade. 13.70.1 Two or more coats on new work	151.524	Sqm	131.85	19978.44
42	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flat, square or round bars etc. including priming coat with approved steel primer all complete (fixed to openings/wooden frames with rawl plug, screw etc.).	800	Kg	190.4	152320
43	Providing and Applying White Cement based putty of average thickness 2mm, of approved brand and manufacture, over the surface even and smooth complete.	3229.42637	Sqm	178.15	575322.31
44	Finishing walls with Acrylic smooth exterior paint of required shade: on new work (two or more coats applied @ 1.67 liters/10sqm over and including priming coat of exterior primer applied @ 2.20 kg/10Sqm).(Asian/ Nerolac)	1614.32842	Sqm	182.7	294937.80

45	13.94 Finishing walls/Ceiling with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives. 13.94.1 New work (Two or more coats applied @ 1.43 litre/10 sqm. Over & including priming coat of exterior primer applied @ 0.90 litre/10 sqm.	1615.10095	Sqm	185.2	299116.70
46	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface.	3229.42637	Sqm	65.15	210397.13
47	Carriage of materials by mechanically Transport including loading/unloading and staking at sites complete.				
47.1	Sand for an average lead of 10 Kms	354.572933	Cum	275.66	97741.57
47.2	Coarse Aggregate	380.158703	Cum	280.41	106600.30
47.3	Bricks for an average lead of 20 Kms	183.10775	Nos.	735.11	134604.34
48	Satructural steel work in built up sections, trusses and framed worked, including cutting, Hoisting, fixing in position and applying a priming coat of approved steel primer all complete including welding.	39890.6241	Kg	138.2	5512884.25
49	13.93 Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.				
49.1	13.93.2 With ready mixed red oxide zinc chromatic on steel / iron works having VOC content less than 250 grams/ liter	78.647	Sqm	54.1	4254.80
50	Provided corrugated G.S. Sheet roofing including vetrical/Curved surface fixed with polymer coated J or L hooks bolts and nuts 8mm dia with bituments and G.I. Limpet washer filled with white lead and including a coat of approved steel primer and two coat of approved paint on overlapping of sheets complete (upto any pinch in Horizontal/ Vertical or Curved surface) excluding the cost of Purlins, rafters and trusses and including cutting to size and shape wherever required. 0.63mm thick with zinc coating not less than 2.75gm/Sqm.	1251.587	Sqm	804.15	1006463.69
51	12.4 Providing ridges or hips of width 60cm overall width plain G.S. sheets fixed with polymer coated J. or L hooks, bolts and nuts 8mm dia G.I. limpet and bitumen washers complete.	174.309	Mtr.	828.95	144493.45

	12.4.1 0.80 mm thick with zinc coating not less than 275 gram/m ²				
52	Providing and Fixing wind ties of 40x6mm flat iron Section				
	Iron Section	30	Nos.	232.8	6984
	Sub-Head-II: Drainage System				
1	Earth work in excavation by manual means in trenches for foundations, drains, pipes, cables etc. (not exceeding 1.5 m in width) and for shafts, wells, cesspits and the like not exceeding 10 sqm on plan, depth upto 1.5mtr from cuttings edge, including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out excavated earth and disposal of surplus excavated earth as directed:	127.8	Cum	256.85	32825.43
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm depth, consolidating each deposited layer by ramming and watering lead upto 50m and lift upto 1.5m	42.6	Cum	218.4	9303.84
3	Supply and fixing SILENCIO (High Density low noise system) Sound insulated polypropylene piping system as per ON EN 1451-Part 1 & EN 12056 Part1-5, DIN 1986-100, with 3 layers pipe made of PP/PP-MV/PP, push fit type, food safe, having high impact and stiffness, offering sound levels not more than 16dBA as per DIN 4109, Swerage piping system suitable for drainage of Commercial and residential waste water for both hot and cold water with Engineering plastic fittings like bends, tees, reducers, couplers, connectors, tec as per DIN EN 12056 and DIN 1986-100. Astral Selencio Make). in the bathroom, down take/rain water & Underground.				
3.1	75mm Socketed pipe (3m long) 1.7mm	400	Rmt	592	236800
3.2	110mm Socketed pipe (3m long) 1.7mm	440	Rmt	838	368720
3.3	160mm Socketed pipe (3m long) 1.7mm	540	Rmt	1556	840240
4	Providing murum bedding below pipeline and fittings on the top of the pipeline with selected materials in 15 to 20 cm layers including watering Ramming etc. complete with selected earth available from excavation.	41.4	Cum	100	4140

5	Providing and Fixing Heavy Class SS grating with cockroach proof SS strainer of approved design including settings in floor with Cement motors to match with floor finished as per direction of E-in-C. Size 100mm dia ISI marked.	45	Each	695	31275
6	Providing and Fixing Heavy Class SS grating plane including settings in floor with Cement motors to match with floor finished as per direction of E-in-C. Size 100mm dia ISI marked.	25	Each	250	6250
7	Providing and placing on terrace (at all floor levels) polyethyllene water storage tank ISI:12701 marked indicating the BIS license No. 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 (Sintex, Electroplast star. Lotous or Equivalent having valid ISI License (1000 Ltr Capacity 15 No..	15000	Ltr.	8.75	131250
	Sub Head - III Water Supply, Drainage, Pumps & Equipment.				
8	Supply, Assembly, Erection, Testing and Commisioning of Pumping System comprising the following:				
8.1	Vertical/Horizontal Centrifugal Pumps (1 working + 1 stand by) with mechanical seal, SS volute casing and SS Impeller connected to suitable capacity TEFC induction motor suitable for 415±10% Volts, # phase, 50 Cycle A.C. Supply with 100mm dia. Pressure gauges including MS Skid and mounting of the pumps on the skid. Motor to be of the same make as the pump)				
8.1.1	Pump Capacity 180lpm, at 30m head (1 working + 1 Standby) (Domestic water relift pump).	1	Set.	19406	19406
	Total				3,26,43,994.99
B	BOQs for Administration Building/Lab				
	SubHead-I Administation Staff/ Lab Building				
	Earthwork				
1	Earth work in bulk excavation by mechanical means (hydraulic excavator) over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 m2 on plan) including disposal of excavated earth lead upto 50 meters and lift upto 1.5 m, as directed by Engineer-in-Charge. All kinds of soil	195.864	Cum	183.35	35911.66

2	2.9 Earth work in excavation by mechanical means (hydraulic excavator) in trenches for foundations, drains, pipes, cables etc. (not exceeding 1.5 m in width) and for shafts, wells, cesspits and the like not exceeding 10 sqm on plan, including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out excavated earth and disposal of surplus excavated earth as directed, within a lead of 50 metres: 2.9.1 All kinds of soil :	10.71467	Cum	256.85	2752.06
3	Supplying and filling in plinth with fine sand under floors including, watering, ramming, consolidating and dressing complete.	120.58205	Cum	1204.5	145241.08
4	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm depth, consolidating each deposited layer by ramming and watering lead upto 50m and lift upto 1.5m	70.8851069	Cum	218.4	15481.31
	Concrete Works				
5	Providing and laying in position cement concrete of specified grade including curing but excluding the cost of centring and shuttering. All work upto plinth level with 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	26.1892038	Cum	5202.9	136259.81
6	Providing and laying in position cement concrete of specified grade including curing but excluding the cost of centering and shuttering. All work upto plinth level with 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	12.3042908	Cum	5733.6	70547.88
	Reinf. Cement Concrete				
7	5.1. Providing and laying in position specified grade of reinforced cement concrete including curing but excluding the cost of centering, shuttering, finishing and reinforcement. All works upto plinth level : 5.1.2 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	84.616954	Cum	7788.4	659030.68
8	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 upto floor five level including curing but excluding cost of centering shuttering, finishing and reinforcement.				
8.1	5.2.2 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal	20.491704	Cum	10299.65	211057.38

	size)				
9	5.3 Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15°, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto five level including curing but excluding the cost of centring, shuttering, finishing and reinforcement with 5.3.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	166.93989	Cum	9821.85	1639658.56
10	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete with Thermo-Mechanically Treated bars of grade Fe-500D or more.	20795.0844	Kg	123.2	2561954.40
11	6.1 Brick work with common burnt clay (non-modular) bricks of class designation 7.5 in foundation and plinth including curing in : 6.1.5 Cement mortar 1:6 (1 cement : 6 coarse sand)	17.0935425	Cum	7163.6	122451.30
12	6.37 Brick work with clay fly ash (non-modular) bricks of class designation 7.5 above plinth level upto floor five level and curing complete in: 6.37.2 Cement mortar 1:6(1cement : 6 coarse sand)	98.5411357	Cum	9027.2	889550.54
13	Extra for brick work in superstructure above plinth level floor V level	14.7811704	Cum	1416.35	20935.31
14	12mm Plaster of mix 1:6 (1Cement:: 6 Fine Sand)	1007.91389	Sqm	266.2	268306.68
15	15mm Cement plaster on the rough side of single or half brick wall of mix 1 : 6 (1 cement : 6 fine sand)	413.163532	Sqm	306.85	126779.23
16	6mm Cement plaster to Celieng of mix 1:3 (1Cement:3 fine sand)	243.78866	Sqm	241.25	58814.01
17	Making of Grove 12mm x 10mm between bricks and RCC	681.84	Mtr.	371.8	253508.11
18	Add or deduct for plaster drip coarse/ groove in plastered surface of moulding to RCC projections.	336	Mtr.	60.3	20260.8
19	Bricks edging 7cm wide 11.4cmm deep to plinth protection with bricks of classd designation 75mm including grouting etc.	67.992	Mtr.	61.35	4171.3092
	Formwork				
20	5.9 Centering and shuttering including strutting, propping etc. and removal of form for:				

20.1	5.9.1 Foundations, footings, bases of columns etc. for mass concrete.	132.12928	Sqm	286.35	37835.21933
20,2	5.9.5 Lintel, beams, plinth beams, girders, bressumers and cantilevers.	429.0588	Sqm	577.55	247802.9099
20.3	5.9.3 Suspended floors, roofs, landings, balconies and access platforms.	310.419426	Sqm	718.2	222943.2318
20.4	5.9.7 Stairs (excluding landings) except spiral staircases.	36.762944	Sqm	851.15	31290.77979
20.5	5.9.6 Columns, pillars, piers, abutments, posts and struts.	182.14848	Sqm	742.55	135254.3538
20.6	5.9.16 Edges of slabs and breaks in floors and walls 5.16.1.1 Under 20 cm wide	18.132	Sqm	295.5	5358.006
21	Providing gola 75x75mm in cement concrete 1:2:4 (1Cement:2Coarse Sand:4 Stone Aggregates 10 mm and down gauge), including finishing with cement motar 1:3 (1Cement:3 fine Sand) as per standard design. In 75x75mm deep chase.	72.3	Mtr.	241.45	17456.8
22	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm bed of dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth and curing complete (upto 600 mm wide plinth protection)	67.992	Sqm	572.8	38945.8
23	11.54 Providing and laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS: 15622, of approved brand and manufacturer, in all colours and shades, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). 11.54.2 Size of tile 600x600 mm	216.61602	Sqm	1395.1	302201.0
24	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours and shades, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), including grouting the joint with white cement and matching pigments etc. complete. 11.56.2 Size of tile 600x600 mm	33.419433	Sqm	1448.9	48421.4

25	11.50 Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturers) of 1st quality conforming to IS: 15622 of approved make, laid on 20 mm thick bed of cement mortar 1: 4 (1 cement : 4 coarse sand) including pointing the joints with white cement and matching pigment etc., complete. 11.50.2 In all colours, shades, except White, Ivory, Fume Red Brown	27.17264	Sqm	1170.75	31812.4
26	9.21 Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 9.21.1 With ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws	30.6109108	Sqm	3222.5	98643.7
27	10.26 Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer. 10.26.1 M.S. tube	292.5	Kg	161.05	47107.1
28	9.83 Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete	8	Nos	143.7	1149.6
29	9.77 Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	7	Nos	456.4	3194.8
30	9.84 Providing and fixing aluminum die cast body tubular type universal hydraulic door closer (having brand logo with IS: 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete :	8	Nos	1628	13024
31	P/F C.P. Brass extension nipple (size 15mmx50mm of approved make and quality as per direction of E-in-C	12	Nos	69.85	838.2
32	Supplying and fixing 1.0 ton Air Conditioning of Approved brand.	5	Nos	49500	247500
33	Supplying and fixing 2.0 ton Air Conditioning of Approved brand.	8	Nos	68000	544000
34	Supplying and fixing geyser of Approved	5	Nos	17500	87500

	brand.				
35	9.8 Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick. 9.8.13.2 5.0 mm thick glass pane (weighing not less than 12.50 kg/sqm)	41.797224	Sqm	2098.6	87715.65429
36	9.10 Providing and fixing glazed shutters for doors, windows and clerestory windows using 4mm thick float glass panes including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws.9.10.3 Second class deodar wood	30.6109108	Sqm	4375.85	133948.754
37	9.28 Providing and fixing wire gauze shutters using galvanized M.S. wire gauze of average width for aperture 1.4 mm in both directions with wire of dia. 0.63 mm for doors, windows and clerestory windows with ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws as per direction of Engineer-in-charge : 9.28.3 Second class deodar wood	20.898612	Sqm	4213.9	88064.66111
38	9.40 Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete: 9.40.2.2 50 x 20 mm	209	Sqm	236.8	49491.2
39	9.1 Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia and length (hold fast lugs or with dash fasteners shall be paid for separately): 9.1.7 Sal wood	2.03775	Cum	141487.3	288315.7456
40	9.75 Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete. : 9.75.1 250x10 mm	33	Nos.	373.5	12325.5
41	9.75 Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete. :				
41.1	9.75.3 150x10 mm	33	Nos	231.8	7649.4
42	9.82 Providing and fixing bright finished brass handles with screws etc. complete : 9.82.1 125 mm	66	Nos	232.6	15351.6

43	Providing and fixing on wall face unplasticised-Rigid PVC rain water pipes conforming to IS:13592 Type A including jointing with seal rings conforming to IS:5382 leaving 10mm gap for thermal expansion. Single socketed pipes of 110mm diameter.	72	Mtrs	366.3	26373.6
44	Providing and fixing on wall face unplasticised-PVC moulded fitting/Accessories for unplasticised - rigid PVC rain water pipes conforming to IS:13592, Type-A including jointing with seal ring conforming to IS:5382 leaving 10mm gap for thermal expansion.				
44.1	Coupler 110mm	20	Nos	176.65	3533
44.2	Single tee with doors 110 x 110 x 110mm.	20	Nos	174.6	3492
44.3	Bend 87.5 x 110mm	40	Nos	180.7	7228
45	For Shutrters of doors, windows and ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EDPM rubber/neoprene gasket required (fittings shall be paid for seperately). Powder coated aluminium (minimun thickness of power coated 50 microns) 2.60mm or 12 gauge).	400	Kg	602.8	241120
46	Providing and fixing aluminium sliding door bolts ISI marked (anodized anodic coating not less than grade Ac 10 as per IS:1868) transperent or dyed to required colour or shade with necessary screws etc. complete. 300x16mm.	150	Nos.	297.3	44595
47	9.68 Providing and fixing oxidized M.S. hasp and staple (Safety type) conforming to IS : 363 with necessary screws etc. complete :	60	Nos.	32.35	1941
48	Providing 40 x 5mm flat iron hold fast 40cm long including fixing to frame with 10mm diameter bolts,nuts and wooden plugs and embeddings in cement concrete block 30x10x15cm 1:3:6mix (1Cement:3Coarse sand:6graded stone aggregates 20 mm nominal size).	100	Nos.	190.2	19020
49	Providing and fixing aluminium hanging floor doors stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS:1868 transperent or dyed to required colour or shed with necessary screws etc. complete. Twin rubber stopper.	26		63.35	1647.1

50	13.70 Painting with synthetic enamel paint of approved brand and manufacture to give an even shade. 13.70.1 Two or more coats on new work	71.5727388	Sqm	131.85	9436.865611
51	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flat, square or round bars etc. including priming coat with approved steel primer all complete (fixed to openings/wooden frames with rawl plug, screw etc.).	700	Mtr.	178.15	124705
52	Providing and Applying White Cement based putty of average thickness 2mm, of approved brand and manufacture, over the surface even and smooth complete.	1664.86608	Sqm	178.15	296595.89
53	Finishing walls with Acrylic smooth exterior paint of required shade: on new work (two or more coats applied @ 1.67 liters/10sqm over and including priming coat of exterior primer applied @ 2.20 kg/10Sqm).(Asian/ Nerolac)	413.16	Sqm	185.2	76517.23
54	13.94 Finishing walls/Ceiling with 100% Premium acrylic emulsion paint having VOC less than 50 gm/litre and UV resistance as per IS 15489:2004, Alkali & fungal resistance, dirt resistance exterior paint of required shade (Company Depot Tinted) with silicon additives. 13.94.1 New work (Two or more coats applied @ 1.43 litre/10 sqm. Over & including priming coat of exterior primer applied @ 0.90 litre/10 sqm.	1624.89	Sqm	157.3	255595.20
55	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface.	2038.05	Sqm	65.15	132778.96
56	Making Khurras 45x45cm with average minimum thickness of 5cm cement concrete 1:2:4 (1 Cement: 2 Coarse sand: 4 graded stone aggregates of 20mm nominal size) over P.V.C. Sheet 1m x 1m x 400 micron, finished with 12mm cement plastered 1:3 (1 cement: 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	18	Each	262.9	4732.20
57	Carriage of materials by mechanically Transport including loading/unloading and staking at sites complete.				
57.1	Sand for an average lead of 10 Kms	159.312924	Cum	275.66	43916.20
57.2	Coarse Aggregates	185.697716	Cum	386.86	71839.02
57.3	Bricks for an average lead of 20 Kms	47.21975	Cum	735.11	34711.71
	Sub Head-II : Sanitary Fixtures				

1	18.3 Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid , 10 liter low level white vitreous china flushing cistern and CP flush bend with fittings and C.I. brackets, 40mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required: 18.3.1 W.C. pan with ISI marked white solid plastic seat and lid.	3	Each	5632.4	16897.2
2	18.7A Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:- (a) White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer	3	Nos	4841.2	14523.6
3	18.16 Providing and fixing white vitreous china pedestal for Wash Basin Completely recessed at the back for the reception of pipe and fittings.	3	Nos	1474.15	4422.45
4	18.17A Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	12	Nos.	412.1	4945.2
5	18.11 Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per I.S. 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : 18.11.1.2 510x1040mm bowl depth 225mm	2	Nos	5939.45	11878.9
6	18.23 Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265mm sizes respectively.	3	Nos	1400.05	4200.15
7	Providing and Fixing 100mm sand cast iron grating for gully trap.	3	Nos	60.75	182.25
8	18.71 Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with brackets of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	5	Nos	287.5	1437.5

9	18.72 Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with a minimum distance of 37 mm from wall face with concealed fittings arrangements of approved quality and colour, weighing not less than 88 gms.	5	Nos	248.45	1242.25
10	Providing and fixing C.P. Brass Central Hole Basin Mixer without Popup Waste System Including with 450mm long Copper Pipes and brass nuts with all fittings and accessories as per direction of Engineers-in Charge (Jaguar CQT 23167 D / kerovit make Cat No. 1511010-ND-CP).	6	Each	3500	21000
11	Providing and Fixing, testing and commissioning of C.P. brass Sink mixer with regular swinging spout (Wall mounted model) with connecting legs and wall flanges complete as required and making good as per direction of E-in-C (Jaguar Cat No. QQT 7309).	2	Each	3500	7000
12	Providing and Fixing C.P. Hand Spray with lever control (health faucet) (Jaguar Cat. No. ALDCHR-565/ Kerovit make KA580001) and flexible hose 1m long Connection with C.P. holder for hand spray complete in all respect as per direction of E-in-C.	2	Each	1700	3400
13	P/F 15mm nominal bore C.P. brass angle valve for basin mixer and geyser point of approved make conforming to IS:8931 (Panko/Chilly)	8	Each	582.35	4658.8
14	Providing & Fixing C.P. Brass robe hook (Jaguar Cat No. CAN 1191N Kerovit Cat No. 660003) or approved equivalent) fixed to Wall/Door with Plastic rawl plugs and C.P. brass screws including cutting and making good the Walls wherever required as per direction of E-in-C.	5	Each	500	2500
15	Providing & Fixing recessed liquid soap dispenser (Jaguar Cat No. CAN 1135N Kerovit Cat. No. 930009) as per direction of Engineer in Charge.	5	Each	3200	16000
16	P/F of Soap Dish Holder with all fittings as per Direction of E-in-C (Jaguar Cat No. CAN 113N Kerovit Cat no KA 680004).	5	Each	900	4500
17	P/F Bottle Trap (Jaguar Cat No. ALD. 769L) and other ancillary fittings. Cutting and making good the walls wherever required complete as per direction of E-in-C	8	Each	1600	12800

18	Providing and Fixing 6mm copper backed float glass mirror MODI/SAINT-GOBAIN including 6mm thick BWR types ply board,40mm Stainless steel channel plugged to Wall, Hard wood treated with two coat of wood preservative, etc all complete as specified and shown in drawing complete to the satisfaction of E-in-C.	3	Sqm	2300	6900
19	P/F of glass shelf 600mm long with all C.P. fittings of approved quality complete item (Jaguar Cat No. CAN 11071N Kerovit Cat No KA 930005).	3	Each	1800	5400
20	P/F 15mm nominal bore C.P. brass bib cock of approved quality conforming to IS:8931	8	Nos.	583.25	4666
21	P/F of regular body of concealed stop cock suitable for 115mm pipe line with protection cap (Jaguar ALD-083) with exposed part angular stop cock with flange FUS 29.53	8	Each	1900	15200
	Sub-Head-III- Water Supply				
22	19.3 CPVC PIPES AND FITTINGS Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot and cold water supply, including all CPVC plain and brass threaded fittings. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer-in-charge.				
23	19.3.2 Internal work Concealed fixing the pipe with clamps at 1.00 meter spacing including cutting chases and making good the wall etc.				
23.1	19.3.2.2 20mm nominal outer dia pipes.	100	Mtr	492.35	49235
23.2	19.3.2.3 25mm nominal outer dia pipes.	200	Mtr	602.4	120480
23.3	19.3.1.5 40mm nominal outer dia pipes.	230	Mtr	655.95	150868.5
24	19.3.3 External work including trenching, refilling etc.				
24.1	19.3.3.2 20mm nominal outer dia pipes.	20	Mtr	245.25	4905
24.2	19.3.3.3 25mm nominal outer dia pipes.	30	Mtr	346.7	10401
24.3	19.3.3.4 32mm nominal outer dia pipes.	40	Mtr	412.8	16512
24.5	19.3.3.5 40mm nominal outer dia pipes.	90	Mtr	535.8	48222
24.6	19.3.3.6 50mm nominal outer dia pipes.	153	Mtr	791.6	121114.8
25	Providing and fixing 50mm brass Gate Valve	36	Nos.	3475	125100
26	Providing and fixing 25mm cPVC valve	24	Nos.	265	6360

27	Providing and Fixing P.V.C. Waste Water pipe for sink or wash basin including PVC Waste fittings Complete.:40mm dia.	26	Mtr	225	5850
28	Supplying, Providing and fixing floor trap of Superior Quality.	26	Nos	200	5200
29	P/F G.I. Pipes complete with G.I. fittings excluding trenching and refilling etc. (External work) (Medium Class)				
29.1	32mm dia. Nominal bore	120	Mtrs	360.9	43308
29.2	42mm dia. Nominal bore	180	Mtrs	418.8	75384
30	Butterfly Valve (MANUAL) with CI Body SS Disc, Nitrile rubber Seal & O-ring PN16 pressure rating for chilled water/Hot eater circulation as specified.				
30.1	65mm dia	6	Each	3436	20616
30.2	80mm dia	6	Each	3691	22146
31	Making connection of G.I. Distribution branch with G.I. main of following size by providing and fixing Tee, including Cutting and threading the pipe etc. complete				
31.1	25-40mm Nominal bore	5	Each	666.25	3331.25
31.2	50-80mm nominal bore	5	Each	1268.75	6343.75
32	P/F Auto Air Vent for cold water supply riser suitable for pressure not less than 15 Kg/Sq.cm				
32.1	15mm dia	10	Nos.	525	5250
32.2	20mm dia	10	Nos.	573	5730
33	P/F in position of approved quality high pressure rated Brass Float valve with copper ball float and brass road of required length suitable for test pressure of not less than 15 Kg/Sqcm of the following sizes:'				
33.1	40mm dia	7	Nos.	2539	17773
33.2	50mm dia	7	Nos.	4114	28798
	Sub-Head-III: Drainage System				
34	Earth work in excavation by manual means in trenches for foundations, drains, pipes, cables etc. (not exceeding 1.5 m in width) and for shafts, wells, cesspits and the like not exceeding 10 sqm on plan, depth upto 1.5mtr from cuttings edge, including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out excavated earth and disposal of surplus excavated earth as directed:	200	Cum	256.85	51370
35	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm depth, consolidating each deposited	133.333333	Cum	218.4	29120

	layer by ramming and watering lead upto 50m and lift upto 1.5m				
36	Supply and fixing SILENCIO (High Density low noise system) Sound insulated polypropylene piping system as per ON EN 1451-Part 1 & EN 12056 Part1-5, DIN 1986-100, with 3 layers pipe made of PP/PP-MV/PP, push fit type, food safe, having high impact and stiffness, offering sound levels not more than 16dBA as per DIN 4109, Swerage piping system suitable for drainage of Commercial and residential waste water for both hot and cold water with Engineering plastic fittings like bends, tees, reducers, couplers, connectors, tec as per DIN EN 12056 and DIN 1986-100. Astral Selencio Make). in the bathroom, down take/rain water & Underground.				
36.1	75mm Socketed pipe (3m long) 1.7mm	150	Mtrs.	592	88800
36.2	110mm Socketed pipe (3m long) 1.7mm	300	Mtrs.	838	251400
36.3	160mm Socketed pipe (3m long) 1.7mm	350	Mtrs.	1556	544600
37	Construction brick Masonary man holes in cement motor 1:4 (1Cement:4 Coarse Sand) R.C.C. top slab with 1:2:4 mix (1 Cement:2 Coarse Sand :4 graded stone Aggregate 20 mm nominal Size) foundation concrete aggregate 40mm Nominal Size, in side plastering 12mm thick with Cement motar 1:3 (1 cement :3 Coarse sand) finished with floating coat near Cement and makings channels in cement concrete 1:2:4 (1 Cement:2Coarse sand :4 graded stone aggregates 20 mm nominal size) finished with floating coat of neat cement complete as per standard design. Inside size 90cm x 80cm and 45cm deep including cast iron cover with frame (light duty) 455mmx610mm internal dimensionals, total wt. of cover and frame to be not less than 38 kg (wt. of cover 33Kg and wt. of frame 15Kg) with F.P.S brick of Class designation 75 crush Stone Aggregates	35	Each	9820.95	343733.25

38	Constructing Masonary Chamber 60cm x 60cm x 75cm, inside with 75 class designation brick work in cement motar 1:4 (1Cement:4Fine Sand) for sluice valve, with C.I. Surface box 100mm top diameter, 160mm bottom diameter and 180mm deep (inside) with chain lid and RCC top slab 1:2:4 mix (1cement:2Coarse sand : 4 graded stone aggregates 20 mm nominal size) necessary excavation foundation Concrete 1:5:10 (1 Cement:5 Sand: 10 graded stone aggregates 40 mm nominal size) and inside plastering with Cement Motar 1:3 (1Cement:3 coarse sand) 12 mm thick finished with floating coat of neat cement complete as per standard design. (With F.P.S. bricks)	8	Each	10317.3	82538.4
39	Providing murum bedding below pipeline and fittings on the top of the pipeline with selected materials in 15 to 20 cm layers including watering Ramming etc. complete with selected earth available from excavation.	42	Cum	100	4200
40	Providing and Fixing Heavy Class SS grating with cockroach proof SS strainer of approved design including settings in floor with Cement motors to match with floor finished as per direction of E-in-C. Size 100mm dia ISI marked.	8	Each	695	5560
41	Providing and Fixing Heavy Class SS grating plane including settings in floor with Cement motors to match with floor finished as per direction of E-in-C. Size 100mm dia ISI marked.	8	Each	250	2000
42	Providing and placing on terrace (at all floor levels) polyethyllene water storage tank ISI:12701 marked indicating the BIS license No. 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 (Sintex, Electroplast star. Lotous or Equivalent having valid ISI License (1000 Ltr Capacity 15 No.	15000	Ltrs.	8.75	131250
43	Making soak pit 2.5 m diameter 3.0 meter deep with 45x45 cm dry brick honey comb shaft with common burnt clay (non modular) bricks of class designation 7.5 bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design.	1	Nos.	23815.8	23815.8
	Sub Head - Water Supply, Drainage, Pumps				

	& Equipement.				
44	Supply, Assembly, Erection, Testing and Commissioning of Pumping System comprising the following:				
	Vertical/Horizontal Centrifugal Pumps (1 working + 1 stand by) with mechanical seal, SS volute casing and SS Impeller connected to suitable capacity TEFC induction motor suitable for 415±10% Volts, # phase, 50 Cycle A.C. Supply with 100mm dia. Pressure gauges including MS Skid and mounting of the pumps on the skid. Motor to be of the same make as the pump)				
44.1	Pump Capacity 180lpm, at 30m head (1 working + 1 Standby) (Domestic water relift pump).	1	Set	19406	19406
45	Boring/Drilling bore well of required dia for casing/strainer pipe, by suitable method prescribe in IS:2800 pt.I, including collecting samples from different strata/preparing and submitting strata chart/bore log, including hire and running charges of all the equipment tools machineries required for the job, all complete as per direction of E-in-C upto 90m depth below ground level.				
45.1	All types of soil-300mm dia	90	Mtr.	544.45	49000.5
46	Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS 12818, including required dia conforming to IS:12818, including required hire and labour charges fittings and accessories etc all complete for all depth as per E-in-C				
46.1	150mm nominal size dia	90	Mtr.	712.85	64156.5
	Total				1,42,35,224.99
C	BOQs for Boundary Wall				
1	Earth work in bulk excavation by mechanical means (hydraulic excavator) over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 m2 on plan) including disposal of excavated earth lead upto 50 meters and lift upto 1.5 m, as directed by Engineer-in-Charge. All kinds of soil	205.392	Cum	184.35	37864.0152

2	2.9 Earth work in excavation by mechanical means (hydraulic excavator) in trenches for foundations, drains, pipes, cables etc. (not exceeding 1.5 m in width) and for shafts, wells, cesspits and the like not exceeding 10 sqm on plan, including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out excavated earth and disposal of surplus excavated earth as directed, within a lead of 50 metres: 2.9.1 All kinds of soil :	26.5815	Cum	256.85	6827.458275
3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm depth, consolidating each deposited layer by ramming and watering lead upto 50m and lift upto 1.5m	77.3245	Cum	218.4	16887.6708
	Concrete Works				
4	Providing and laying in position cement concrete of specified grade including curing but excluding the cost of centring and shuttering. All work upto plinth level with 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	13.3155	Cum	5202.9	69279.21495
	Reinf. Cement Concrete				
5	5.1. Providing and laying in position specified grade of reinforced cement concrete including curing but excluding the cost of centering, shuttering, finishing and reinforcement. All works upto plinth level : 5.1.2 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	56.4003	Cum	7788.4	439268.0965
6	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 upto floor five level including curing but excluding cost of centering shuttering, finishing and reinforcement.				
	5.2.2 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)	6.28452	Cum	10299.65	64728.35642
7	5.3 Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15°, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto five level including curing but excluding the cost of centring, shuttering, finishing and reinforcement with	5.285	Cum	9821.85	51908.47725

	5.3.1 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)				
8	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete with Thermo-Mechanically Treated bars of grade Fe-500D or more.	5675	Kg	96.75	549056.25
9	6.45 Half brick masonry with non modular fly ash bricks of class designation 10, conforming to IS: 12894, in superstructure above plinth level and upto floor V level and curing complete in: 6.45.1 Cement mortar 1:3 (1 cement : 3 coarse sand))	259.826	Sqm	937.75	243651.8315
10	6.16 Extra for half Brick masonry in superstructure above plinth level upto floor V level.	38.9739	Sqm	155.55	6062.390145
11	15mm Cement plaster on the rough side of single or half brick wall of mix 1 : 6 (1 cement : 6 fine sand)	671.724	Sqm	306.85	206118.5094
	Formwork				
12	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.	207.8448	Sqm	286.35	59516.35848
13	5.9.5 Lintel, beams, plinth beams, girders, bressumers and cantilevers.	394.865	Sqm	577.55	228054.2808
14	5.9.6 Columns, pillars, piers, abutments, posts and struts.	60.72	Sqm	742.55	45087.636
15	Finishing walls with Acrylic smooth exterior paint of required shade: on new work (two or more coats applied @ 1.67 liters/10sqm over and including priming coat of exterior primer applied @ 2.20 kg/10Sqm).(Asian/ Nerolac)	671.724	Sqm	185.2	124403.2848
16	Carriage of materials by mechanically Transport including loading/unloading and staking at sites complete.				
16.1	Sand for an average lead of 10 Kms	37.2089815	Cum	275.66	10257.02785
16.2	Coarse Agg.	45.2718955	Cum	280.41	12694.69222
16.3	Bricks for an average lead of 20 Kms	29.071746	Cum	735.11	21370.9312
	Total				21,93,036.48
D	BOQ FOR PLANT AND MACHINERY				

1	Dumpng Hopper Used as temporary storage and guide way above chain conveyor Design Suitable for dust collector with gravity flaps Fabricated from 2mm MS sheet Body 600mm*1200mm*300 depth	1	25750	25750	
2	Dust collector DC-60 Used for collecting the dust while dumping to intake chain conveyor Fabricated from MS sheet and pipe, with self sporting structure Design Air jet with back pressure auto clean technology Scope of supply includes suction dom, ID fan, Back pressure mechanism, Air tank, Dust filter complete with auto on/off of back pressure	1	231750	231750	
2.1	Induction Motor for dust collector 2HP	1	15450	15450	
2.2	V belt and pully drive for dust collector	1	2575	2575	
3	Intake chain conveyor:- RC-40 Used:- for transferring material from godown to plant design:- raddle type chain conveyor with cleaning strips capacity 10-12 ton per hour fabricated:- from 4mm MS sheet, Top cover 1.5mm complete assembled in modular form with emegency alarm system.	50	6695	334750	
3.1	Geared motor for intake chain conveyor 7.5HP	1	87550	87550	
3.2	Sprocket and chain set for batch chain conveyor Duplex	1	4635	4635	
4	Jute remover used:- to remove jute and thread from the raw material Fabricated:- from MS pipe with jute arrestor with twin rotor and quick change mechanism	1	46350	46350	
4.1	Geared motor for juite remover 1HP	1	22660	22660	
4.2	Sprocket and chain for juite remover	1	4120	4120	
5	Bin block elevator B85 Design:- Box type Design with air vent for dust free operation Capacity:- 10-12 ton per hour Fabrication:- Boot fabricated from 4mm MS sheet reinforced with flat. Top Head Section Fabricated of 12 gauge steel with bearing pedetal structurally reinforced. Middal fixture welded 2mm casing continously welded for dusttight construction with flange joint Mechanical sealing prevent material loss. Fabricated/Cast iron big pullies Rubbrized	60	6180	370800	

	<p>buckets size 200*125mm Belt:- M-24 grade rubberized 4ply nylon Belt make (MRF, jonson or any other standard indian make)</p>				
5.1	Geared motor for bin block elevator 5HP	1	51500	51500	
5.2	Coupling for bin block elevator	1	4120	4120	
6	Cascad magnet CM-10 used to prevent machinery and feed from iron particulars Design double rare earth magnet with self cleaning mechanism and tray 7000 Guage magnetic power	1	46350	46350	
7	Distributor RD-16 design Rotary distributor with six position Fabricated from ms sheet of variable thickness and pipe rotary distributor has one input and eight output	1	87550	87550	
7.1	Geared motor for rortory distributor 1HP	1	54178	54178	
7.2	Sprocket and chain set for pellet feeder	1	4120	4120	
8	<p>Six bin block cap, 80MT Design:- Modular type rectangular boxes Capacity:- 80 MT total storage capacity of 6 Bins 15 MT -4 Pc 10 MT -2 PC fabricated from 3mm and 2.5mm and 2mm MS sheet with bolt joint, Modular construction design, reinforcement for rgid sport, proper inclination for better flow, Big outlet for resistance free operation.</p>	1	772500	772500	
9	<p>Slide gate manual Used for maintenance purpose Fabricated from MS angle with rack and pinion mechanism</p>	6	10300	61800	
10	<p>Precision screw feeder_PSF-20 Design:- Precision screw with variabel discharge design used:- for weighting material from bin block to weighting bin as per requirement Fabricated from 3mm thick MS pipe. End plate 10 mm thk ms plate and paddles sight glass as per requirement</p>	4	66950	267800	
10.1	Geared Motor for pellet feeder 2HP	4	25750	103000	
10.2	Sprocket and chain set for pellet feeder	4	4120	16480	

11	<p>Gravity feeder Design:- Twin flap with fine and course feed flow Used:- for weighting material from bin block to batch weight binas per requirement Fabricated from ms sheet equipped with pneumatic cyclinder for operation. Capable to transfer the material as per signal for PLC</p>	2	51500	103000	
12	<p>Batch weight hopper BWH-1 Used for weighting the variose ingredients as per requirement and as per formulation capacity one metric ton Fabricated with 3mm MS sheets with reinforcement for longer life and rigidity of machinery. Body Size 1800mm*1250mm*1300mm Proper inclenation provided to bin so that no jam occurs in the bin. Load Cell ADI Make with Junction Box 4 No Batch Controller and thermal Printer Weight Indicator and data recognition mechanism</p>	1	123600	123600	
13	<p>Pneumatic Gate PG-30 Used:- for close and open the main gate below the weighting bin Design:- roller assembly mechanism. Here bearing are used with pneumatic cyclinders</p>	1	25750	25750	
14	<p>Dumping Hopper Capacity: 1000 KG The hopper is designed to hold one thousand kg of material. The Purpose of installation of Bin below weighing bin is to regulate the flow of material for hammer mill and contineous running of plant. Fabrication:- bins are fabricated with cold rolled sheets of 2mm MS with reinforcement for longer life and rigidity Proper inclenation provided to bin so that no jam occurs in the bin. Top cover for the bin is provided with Air vent for dust free operation. Slight glass assembly is provided with clear vision for manual control and supervision of material flow in bin.</p>	1	46350	46350	

15	Batch chain conveyor BCC-30 Raddler Type chain conveyor with cleaning strips Capacity 5-6 ton per hour Fabricated from 4mm MS sheet Top cover 1.5 mm complete assembled in modular form. With Emergency alarm system	15	5665	84975	
15.1	Geared motor for batch chain conveyor 3HP	1	41200	41200	
15.2	Sprocket and chain set for batch chain conveyor Duplex	1	4635	4635	
16	Grinder elevator-B75 Design:- Box type design with air vente and direct coupled geared motor Capacity 5-6 ton per hour Fabrication Boot fabricated of 12 guage steel reinforced with flat Top Head Section fabricated of 12 gauge steel with bearing pedestal structurally reinforced Middal Fixture welded 2 mm casing continuously welded for dust tight construction with flange joint. Inspection and maintenance window with visible glass. Mechanical Sealing prevent materail loss Fabricated/Cast Iron big pullies Buckets Size 175*125mm Belt M-24 Grade rubberized 4ply nylon Belt make (MRF, jonson or any other standard indian make)	35	4635	162225	
16.1	Geared motor for grinder elevator 3HP	1	30900	30900	
16.2	Chain coupling for grinder elevator	1	4120	4120	
17	Cascad magnet CM-10 Used to prevent machinery and feed from iron particulars Design double rare earth magnet with self cleaning mechanism and tray 7000 Guage magnetic power	1	46350	46350	
18	Grinder storing bin Capacity 1000Kg Design:- modular type with air bypass mechanism Fabrication:- Bins are fabricated with cold rolled sheets of MS with reinforcement for longer life and rigidity Proper inclenation provided to bin so that no jam occurs in the bin. Top cover for the bin is provided with Air vent for dust free operation. Slight glass assembly is provided with clear vision for manual control and supervision of	1	56650	56650	

	material flow is bin. Air Bypass Mechanism to prevent material loss and dust				
19	Slide gate manual Used for maintenance purpose Fabricated from MS angle with rack and pinion mechanism	1	5150	5150	
20	Grinder Pocket Feeder PF-2436 Used for feeding the ingredients to hammer mill at a controlled rate Design:- multi pocket type design for continuous feed Fabricated from 3mm MS sheet with flat support Maintenance window to cleaning and maintenance without removing bin. Powerful rear earth magnet (~ 7000 gauss) of full length is used with self cleaning mechanism	1	77250	77250	
20.1	Geared motor for grinder pocket feeder 2HP	1	25750	25750	
20.2	Sprocket and chain set for grinder pocket feeder	1	4120	4120	
21	Flexible Connection Used to isolate feeder and structure from hammer mill vibration Fabricated from MS flat with high density cloth	1	5150	5150	

22	<p>Full circle hammer mill FCHM-2436 Model: FCHM-2436 Used to:- Used for breaking/grinding feed ingredients to a required size so that maximum process and PDI can be achieved Design:- Double window, Double sieve, Direct coupled Power: 50-75 HP (2800RPM) Fabricated Body from 15mm MS plate with common base frame for motor and grinder Fully dynamically balances rotter. Grounded Main Shaft. Sealing Dual type, mechanical and rubber type helps keeping atmosphere clean and sound proof. Double row self alined bearing provies rigid and strong sport to rotter. Specially designed mechanism for changing gap between beatersand sieve is provided Quick sieve change mechanism Anti vibration pads and Toggal Clamps Can operate Revers and Forward Direction Direct Coupled mechanism</p>	1	360500	360500	
22.1	Induction motor for hammer mill-60HP	1	211150	211150	
22.2	Tyre coupling for hammer mill	1	8240	8240	
23	<p>Secondary Dumping Hopper Used for addition of non grindable material for mixing after grinding process Capacity 50 KG Fabricated from MS sheet with safety grill fabricated from MS angle</p>	1	15450	15450	
24	<p>Pneumatic gate Used bellow secondary dumping hopper consist of pneumatic cylinders and connectors</p>	1	15450	15450	
25	<p>Mixed Elevator B75 Design box type design with air vent and direct coupled geared motor Capacity 5-6 ton per hour Fabrication Boot fabricated from 4mm MS sheet reinforced with flat Top Head Section Fabricated of 12 gauge steel with bearing pedestal structurally reinforced Middal Fixture welded 2 mm casing continuously welded for dust tight construction with flange joint. Inspection and maintenance window with visible glass Mechanical Sealing prevent materail loss Fabricated/Cast Iron big pullies Buckets Size 175*125mm Belt M-24 Grade rubberized 4ply nylon</p>	40	4635	185400	

	Belt make (MRF, jonson or any other standard indian make)				
25.1	Geared motor for mixer elevator 3HP	1	30900	30900	
25.2	Chain coupling for Mixer elevator	1	4120	4120	
26	<p>Storing bin above mixer Capacity 1000Kg Design Modular type with air bypass mechanism Fabrication Bins are fabricated with cold rolled sheets of MS with reinforcement for longer life and rigidity Proper inclination provided to bin so that no jam occurs in the bin. Top cover for the bin provided with Air vent for dust free operation. Sight glass assembly is provided with clear vision for manual control and supervision of material flow is bin. Air Bypass Mechanism to prevent material loss and dust</p>	1	56650	56650	
27	<p>Pneumatic Gate PG-40 Used to transfer material to mixer machine Design roller aseembly mechanism. Here bearing are used with pneumatic cylinders</p>	1	30900	30900	

28	<p>Tripal Ribbon Screw mixer (GTRM-100) Design tripal ribbon design with Zig Zag fabrication Capacity 1000Kgs/Batch Function: For homogeneous mixing of different ingredients for minimum coefficient of variation Power: 15 HP Mixing Efficiency: It can mix the whole batch within 6 to 8 minutes with coefficient of variation less than 6% Gear Box: Our Own make Double step helical Immersed oil reduction gear box, especially designed for this particular application Fabrication Horizontal tripal ribbon tyre mixture machine fabricated from 5mm MS sheet. Main shaft of heavy MS around 100mm. Ribbon is made of 10mm thick flat. Rigid pin coupling attachment Mechanical Sealing with jain dori is provided for no leakage Big maintenance window is provided for proper working. Reinforcement is done for longer life. Outlet multi pocket type Pneumatic gate, Motor base frame with Slide rail. Dust Control mechanism Multy Pocket outlet with Pneumatic Gate Nozzle spray mechanism for uniform distrubution of oil (optional)</p>	1	298700	298700	
28.1	Inductive Motor for ribbon mixer -15HP	1	59225	59225	
28.2	V belt and pully drive for ribon mixer	1	4120	4120	
29	<p>Oil dassing weight basis with spray pump Design:- Loadcell bases weight Used:- to add oil to mixer with pre-weight as per formulation Consist:- Oil Storage tank 1000 lts capacity Weight hopper 50 ltr Batch control panel with load cells Load cell junctio box Load cell mountings Flow control valve etc All Connecting Pipes Batching controller</p>	1	360500	360500	
30	<p>Medicine Bin Used to add medicine and premix, marble etc. Design Dust proof double door pneumatic gate</p>	1	25750	25750	

	Fabricated from stainless steel 304 Manual gate at top and pneumatic gate for discharge				
31	Pneumatic Gate Used bellow medicine bin consist of pneumatic cylinder and connectors	1	15450	15450	
32	Platform for mixer Used for ease to access mixer for addition of micronutrients Fabricated from channel and chequed sheet and railing pipe	1	20600	20600	
33	Dump bin bellow mixer Capacity 1000KG Design:- Modular type with Air Bypass Mechanism Fabrication Bins are fabricated with cold rolled sheets of MS with reinforcement for longer life and rigidity Proper inclination provided to bin so that no jam occurs in the bin. Top cover for the bin is provided with Air vent for dust free operation. Sight glass assembly is provided with clear vision for manual control and supervision of material flow in bin. Air Bypass Mechanism to prevent material loss and dust	1	66950	66950	
34	Chain conveyor bellow mixer bin RC-30 Rattle Type chain conveyor with cleaning strips Capacity 5-6 ton per hour Fabricated from 4mm MS sheet Top cover 1.5 mm complete assembled in modular form. With emergency alarm system	10	5665	56650	
34.1	Geared motor for chain conveyor bellow mixer 3HP	1	41200	41200	
34.2	Sprocket and chain set for chain conveyor bellow mixer	1	4120	4120	
35	Dump hopper Used to add fine coming from vibro and cooler for repelleting Fabricated from MS Sheet	1	10300	10300	

36	<p>Pellet elevator B75 Design Box type design with air vent and dried coupled geared motor Capacity 5-6 Ton per hour Fabrication Boot fabricated from 4mm MS sheet reinforced with flat. Top Head Section fabricated of 12 gauge steel with bearing pedestal structurally reinforced Middel Fixture welded 2mm casing continuously welded for dust tight construction with flange joint. Inspection and maintenance window with visible glass. Mechanical Sealing prevent material loss Fabricated/Cast Iron big pulleys Buckets Size 175*125mm Belt M-24 Grade rubberized 4ply nylon Belt make (MRF, Jonson or any other standard Indian make)</p>	50	4635	231750	
36.1	Geared motor for pellet elevator 3HP	1	30900	30900	
36.2	Chain coupling for pellet elevator	1	4120	4120	
37	<p>Two way pneumatic valve Used for selection of direction of material flow as per requirement for pellet making and mash packing Fabricated from MS sheet with pneumatic cylinder.</p>	1	25750	25750	
38	<p>Pellet Bin (Cap 3MT)- Capacity 3000kg Design Modular type The Storing Bin is designed to hold three thousand kg of material. The purpose of installation of Storing Bin above pellet mill is to hold and feed the mixture to the pellet mill at least continuously for one hour without any interruption Fabricated Bins are fabricated with cold rolled sheets of MS with reinforcement for longer life and rigidity Proper inclination provided to bin so that no jam occurs in the bin. Top cover for the bin is provided with air vent for dust free operation. Sight glass assembly is provided with clear vision for manual control and supervision of material flow in bin.</p>	1	97850	97850	
39	<p>Slide Gate manual Used for maintenance purpose Fabricated from MS angle with rack and pinion mechanism</p>	1	5150	5150	

40	Pellet Feeder PF-20 Used to feed mixed feed to pellet at a controlled rate and load fabricated from MS pipe with core technology for uniform feeding	1	66950	66950	
40.1	Geared Motor for pellet feeder 2HP	1	25750	25750	
40.2	Sprocket and chain set for pellet feeder	1	4120	4120	
41	Steam conditioner SS-40 Used for roasting the mixture of feed before pelleting with the help of steam Design:- Signal Shaft with Multy Point steen injection Fabricated from stainless steel 304 grade of stainless steel material Retention time from 60 to 90 seconds Maintenance windows on both side of conditioner Length 1800 mm	2	216300	432600	
41.1	Geared motor for steam conditioners 5HP	2	38625	77250	
41.2	Coupling for steam conditioner	2	4120	8240	
42	Senior Pellet mill HPM-420 FL Used for converting the mixture to pellet Design:- Pully and belt bype with counter shaft and front lubrication technology Fabrication from variable thickness MS sheet. Single piece T-shaft alloy steel Die holder of Alloy Steel Rear ring for proper holding of die and longer life. Heavy duty fly wheel with C-Section 10 Belts drivedie Shear pin assembly are the key features of our pellet and are designed and manufactured with proper metalurgical skills. Pellet mill with rigid base, Pelleting unit suitable for installing standard die. [Die ID 420X 160] complete with support frame for machine and drive motor. Anti vibration mount, slide rails for drive motor. Front door and front plate are of stainless steel 304 sheet. Stainless steel die of 8 mm pellet size Front connecting chute of SS-304 material Toggle clamp are used for quick opening/closing of gate. Pellet is provided with a rear earth marnet at the inlet of die. Counter pully with base frame and direct coupling.	1	1004250	1004250	

42.1	Induction Motor for Pellet Mill -120HP	1	386250	386250	
42.2	V belt and pully for Pellet mill	1	30900	30900	
43	CF cooler air lock (SS) Used to transfer pellets to CF cooler and prevent any air passage. Fabricated from stainless steel 304 material. Multy type pocket feeder	1	41200	41200	
43.1	Geared motor for CF cooler air lock 1HP	1	22660	22660	
43.2	Sprocket and chain for CF coller air lock	1	4120	4120	
44	CF pellet cooler CFC-5 used for cooling and drying pellets Design:- Triple grid with one fixed, 10 Minute Retention time. Fabricated from SS-304 sheets Pellet counter flow cooler holding bin & top hood fabricate from stainless steel-304 sheets. Fixed grid from stainless steel, Moving grid from stainless steel Adjustable grid from MS. Base fabricated from Heavy MS channel. Sight glass assembly Electornic Sensors/Limit Switch/timer for auto on/off the cooler.	1	257500	257500	
44.1	Geared motor for CF pellet cooler 1HP	1	22660	22660	
44.2	Ecentric for CF cooler	1	4635	4635	
45	Pellet Cooler blower PB-60 Used for vaccume generation Design ID Fan Belt Driven Fabricated from heavy MS 4mm thickness spiral in shape air flow control value. Air volume 2000 CFM's Fully dynamically Balanced roter for vibration free operation. Anti vibration pads.	1	51500	51500	
45.1	Induction motor for pellet cooler blower - 15HP	1	59225	59225	
45.2	v belt and pully fro pellet cooler blower	1	4120	4120	
46	Pellet cooler cyclone C-120 stainless steel Used as pressure reducer and material collection Design Spiral design with long cone Fabricated from stainless steel sheet	1	133900	133900	
47	Glass Assembly used to supervise the material flow from the cyclone Fabricated from fiber glass with iron rods and rubber sealing	1	5150	5150	

48	Cyclone air lock (CI) Used below cyclone for transferring fines collected in cyclone to repelleting. Fabricated from cast iron	1	20600	20600	
48.1	Geared motor for cyclone air lock 1HP	1	22660	22660	
48.2	Star coupling for cyclone airlock	1	4120	4120	
49	Pellet cooler aspiration ducting stainless steel Used as aspiration system for cooler Fabricated from stainless steel complete with round bend and flange joints	1	82400	82400	
50	Collecting Bin with base frame Used for collecting free fall pellets from cooler and temporary storage Fabricated from 2mm MS sheet	1	25750	25750	
51	Vibro Elevator -B75 Design Box type design with air vent and direct coupled geared motor Capacity Boot fabricated from 4 mm MS sheet, reinforced with flat. Top Head Section Fabricated of 12 gauge steel with bearing pedestal structurally reinforced. Middle Fixture welded 2 mm casing continuously welded for dust tight construction with flange joint. Inspection and maintenance window with visible glass. Mechanical Sealing prevent material loss Fabricated/Cast iron big pulleys Buckets size 175x125 mm Belt M24 grade rubberized 4 Ply Nylone Belt make (MRF, Jonson or any other standard Indian make)	50	4635	231750	
51.1	Geared motor for vibro elevator 3HP	1	30900	30900	
51.2	Chain coupling for vibro elevator	1	4120	4120	
52	Vibro sieving machine VS-5 Used for removing fines from pellets Design Vibration type Double sieve design Design vibration type, Double sieve design Square vibro sieve machine fitted on helical springs with some inclination Fabricated from MS angle and sheet flow regulation mechanism	1	200850	200850	
52.1	Motor for vibro sieve 2HP	1	25750	25750	
53	Two way pneumatic valve Used for selection of direction of material flow as per requirement for pellet making and mash packing Fabricated from MS sheet with pneumatic cylinder. Double flunch is provided for quick	1	25750	25750	

	attachment.				
54	<p>Packing bin (Cap 3 MT) Capacity 3000Kg Design Modular type nut bolted eary to assemble The storing bin is designed to hold three thousand kg of material. The purpose of installation of storing bin above pellet mill is to hold and feed the mixture to the pellet mill atleast continously for one hour without any intrusion. Fabrication Bins are fabricated with cold rolled sheets of MS with reinforcement for longer life and rigidity Proper inclination provided to bin so that no jam occurs in the bin. Top cover for the bin provided with Air vent for dust free operation. Sight glass assembly is provided with clear vision for manual control and supervision of material flow is bin.</p>	2	97850	195700	
55	<p>Pneumatic Gate PG-40 Used to transfer material to mixer machine Design roller aseembly mechanism. Here bearing are used with pneumatic cylinders</p>	2	30900	61800	
56	<p>Auto bagging machine Net 50G used for weighting the pellets as per requirement Design A fully automatic bagging machine with gravity feeder and manual bag clamping. Bags are clamped by a man/labour for starting bagging process. Bagging range form 25 kg to 50 kg Can fill 200 bags per hour. Accuracy:- +/-0.1% for 80% bags +/-0.15% for 20% bags Bags stitching machine with piller and base frame Bag conveyyor with side sport rail 15 feet long</p>	1	695250	695250	
56.1	Geared motor for bag conveyor 1HP	1	25750	25750	
56.2	Sprocket and chain for bag conveyor	1	4120	4120	
56.3	Induction motor for bag stiching machine 1HP	1	12875	12875	
56.4	V belt and pully for bag stiching machine	1	2575	2575	

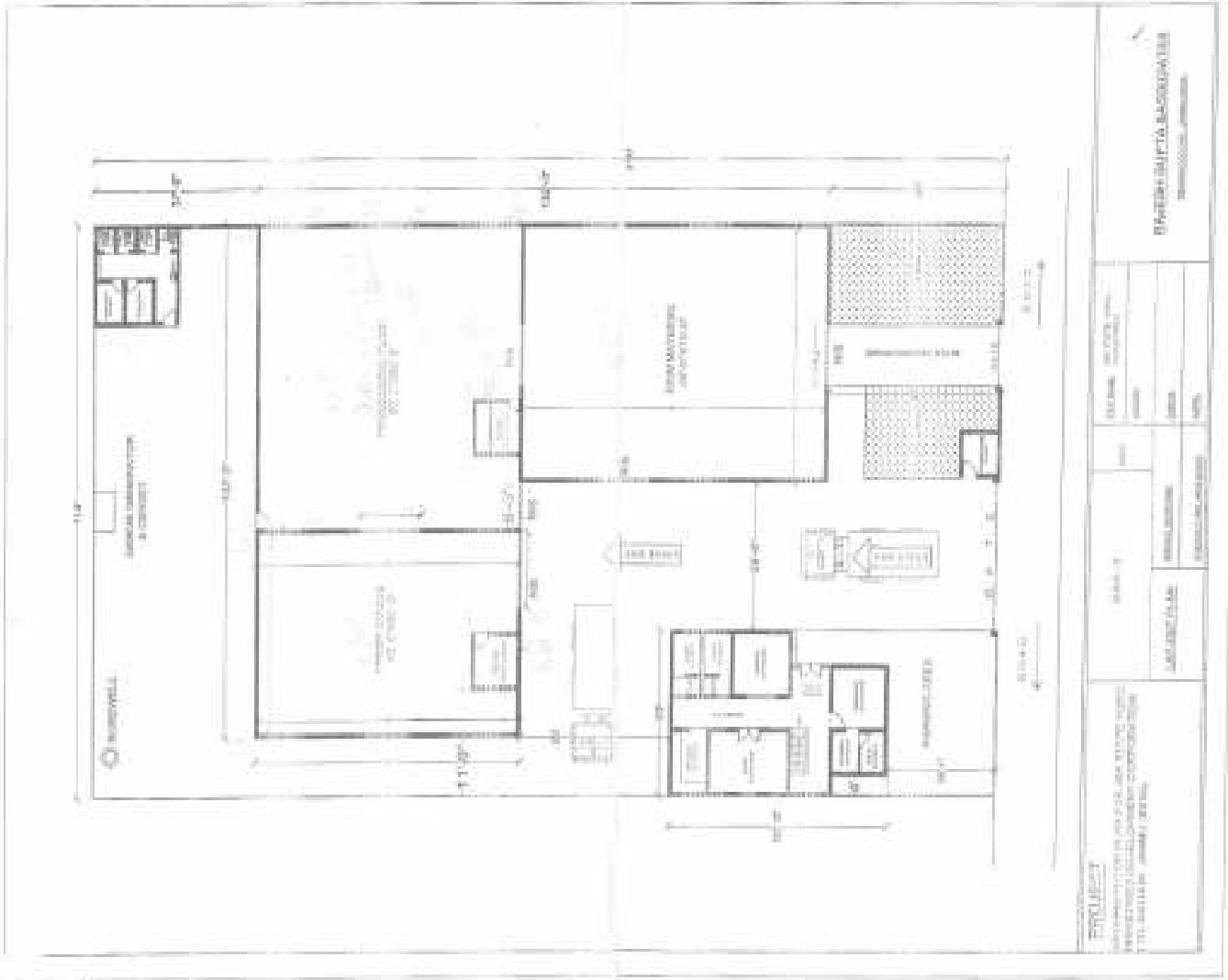
57	Pneumatic Package Consist:- Air compressor Pneumatic pipe line solenoid valves various connectors Pu pipe pneumatic panel	1	391400	391400	
57.1	Induction Motor for air compressor 5HP	1	23175	23175	
57.2	V belt and pulley for air compressor	1	4120	4120	
58	Structure Design: Modular type nut and bolt joint prefabricated structure, necessary structure, for plant and Machinery without truss, purlings, sides runners and louvers Fabricated : From ISMB Standard 1 beams ISMC standard C channel ISMA standard Angle IS 2062 Standard 4mm chequered sheets Features: Necessary structure for plant machinery Complete with stairs and side railing Variation +/- 10% may take place Multi story for ease to access each machine	48	100940	4845120	
59	Electric Control Panel used for:- For control and operate feed plant Design:- Stander IS-8623 with box type Make: GNE Rated voltage: 415 Volt Load: Full plant HP Features: Enclosed dust proof sheet metal motor control centre L&T scheidt, ABB or standard controller and switch Voltage meter, ammeter all loaded machines DOL up to 7.5 hp motors star delta above 7.5 hp motors bus bar with all connectors push button with name plate Indicator with overload trip indication	1	899448	899448	
60	Mimic panel Used: Case of any failure of automation Design: Desk type	1	97850	97850	

61	<p>PLC Based plant automation with SCADA Design PLC (Programable Logical Control) Based design with batch controller for 6 Bin block with mimic</p> <p>The computer is used to carry out the batching in auto mode aswell as in manual mode. The plant mimic in the computer screen shows the status of the batching section.</p> <p>Features:-</p> <p>Protection:- Password protection for each level.</p> <p>Recipes:- Create, modify, delete or print recipes.</p> <p>Batch Execution:- Select recipe for batching , set number of batches required</p> <p>Reports:- view and print various reports of plant operations. Daily reports, Batch reports, Stock reports.</p> <p>Parameters Access:- Mixing time, Delay time hold batch.</p> <p>Full proof pre-mix additions system to avoid double dose or missing of pre-mixes</p> <p>VFD panel for auto/manual controlling of hammer mill's rotaryvane feeder.</p> <p>VFD panel for manual control of pellet mill's screw feeder.</p> <p>Plant operations scope of supply will consist all high level, low level sensors for bins, alarming system for high level, low level, Automatic gate control of all bins.</p>	1	1004250	1004250	
62	Electric wiring and cabling with in plant and panel to individual motors	1	412000	412000	
63	Erecting and fitting of machines supplied by GNE	1	721000	721000	
64	Connecting pipe and gravity piping Used to transfer material from an emachine to other machine fabricated from MS	1	154500	154500	
65	<p>Paint</p> <p>Double coated primer coating after cleaning fabricated body and removing burs. Putty is used for providing a asthetic look to the machine. Inner side of the machine is also covered with Red oxide primer for longer life of machines.</p> <p>Enamel coating in double colour shade is done in company standard format.</p>	1	103000	103000	
66	<p>Crumbler feeder</p> <p>Used to unifom and full length feed of pellets to crumbler fabricated from ms pipe with ribs</p>	1	32960	32960	

66.1	Geared motor for crumbler feeder 1HP	1	22660	22660	
66.2	Sprocket and chain for crumbler feeder	1	4120	4120	
67	<p>Pellet crumbler Used for breaking pellets for pre stater, Stater chicks Fabricated Main body fabricated with 12mm thick Plate Rolls are made of specially hardened chilled roll steel Spring loaded gap adjustment. There will be zero adjustment also and has the provision to protect the rolls touching each other Bye pass flap provided if you are not making the crumbs Drive is through helical typr gears. By pass flap</p>	1	257500	257500	
67.1	Induction motor for pellet crumbler 10HP	1	37080	37080	
67.2	V belt and pully for pellet crumbler	1	4635	4635	
A	<p>Boiler 1000Kg IBR Capacity 1000Ltr Design Multi tubular, in built furnace smoke tube, three pass steam boiler with main economizer outer shell and furnance shell and tube plates ID fan Two water pump one as stand by Maximum working pressure 10.54 kg Dry saturated steam output Multi fuel using facility Fabricated from SAIL plates and TATA tubes. Auto on/off of FD fan and other system when steam pressure achieved.</p>	1	1287500	1287500	
A.1	Induction motor for water pump 2HP	2	15450	30900	
A.2	Star coupling for water pump	2	2575	5150	
A.3	Induction motor for air fan 5HP	1	23175	23175	
A.4	V belt and pully for air fan	1	4120	4120	
B	<p>Chimney-60 feet Design MS fabrication Used for removing smoke from boiler Fabricated from 4mm,3mm,2mm variable thickness MS sheets Chimney height 60 feet Round in Shape</p>	1	386250	386250	
C	<p>Steam pipeline Length 20Mtr From boiler to pellet machine complet in all aspects from insulation to filtting accesory with water trape valve</p>	1	206000	206000	

D	Pressure reducing station Used to reduce high pressure to the desired pressure as per requirement Design Pre fabricated pressure reducing station with precision SMSON valve Input 10.54 kg/cmsquare pressure output pressure 2.5 to 4.5 kg/cmsquare	1	334750	334750	
E	Steam Header Design - IBR type Fabricated from IBR pipe with one inlet and 3 outlet with trapinf module	1	87550	87550	
F	Water softner	1	154500	154500	
G	Molasses Blender MB-50 Used for adding more mollasses to cattle feed specifically designed for adding mollasses upto 12% to the feed fabricated from 4MM Ms sheet and angle with adjutable paddle	1	257500	257500	
G.1	Geared motor for molasses blender 10HP	1	97850	97850	
G.2	Coupling for molasses Blender	1	8755	8755	
H	Molasses pre heater MPH-50 Used to heat molases to reduce viscosity and easy to flow Design Heat Tranfer with steam coile to molasses Fabricated from MS plate with valve and flenge	1	257500	257500	
	Sum (Quotation attached, refer to ANNEXURE-I)			22212826	
	Plus GST @ 18%			3998308.68	
	Total (A)			26211134.68	
	Additional Machinery required				
	Providing and installation of power factor controller 350KVA price Price Usage/Application Industrial Type of control panel Switchgear/MCB/Relay based panel Phase - Phase Dimension W 640 mm D 350 mm H 1450 mm Operating Voltage HT Line Step down Transformer Degree of Protection IP43 Frequency 50 Hz Power Phase input	3 1 3		120000	120000

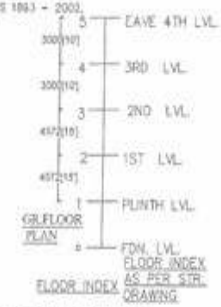
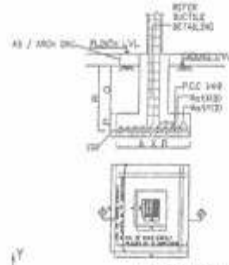
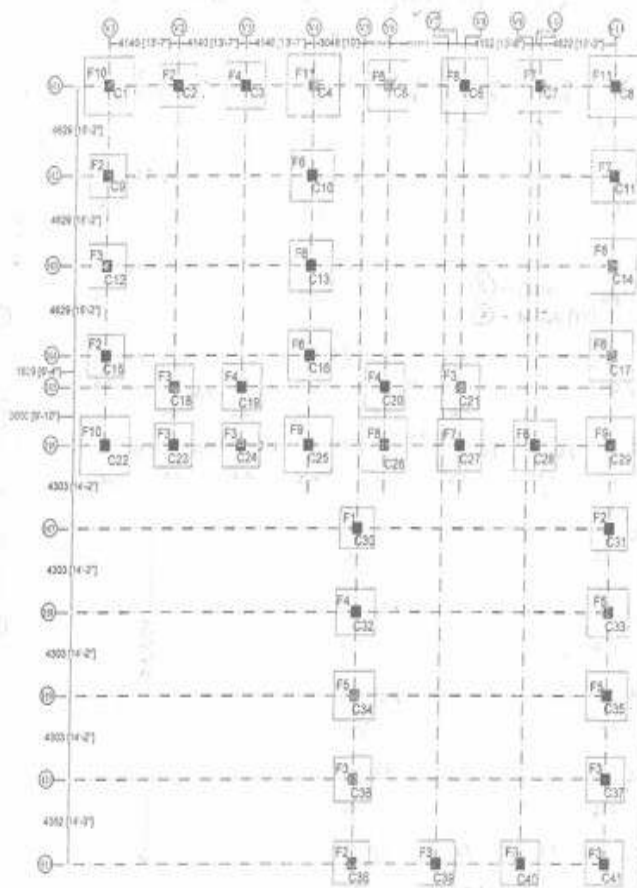
	Providing and installation of 350 KVA transformer	1	480000	480000	
	Providing and installation of 350 KVA genset Including Testing & commissioning Block-concrete for genset Interconnecting wire 3.5 core AMF panel Earthing with copper earth plate including accessories, wiring and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 3 meter long etc. with charcol/coke and salt as required, complete in all respects. Wiring from main electrical board to genset and to machinery and office, Length - 120m, cable size - 240 mm 5 single cores.	1	3200000	3200000	
	Providing and installation of weight bridge scale having capacity:- 60 MT with overload capacity +20%, Minimum resolution 10 kg in compliance with accuracy standards of weight and measures. Size 16x3 m with ISMB-500 mm, Cross Beam-200 mm, Platform top plate - 10 mm (M S chequered plate), Anti corrosive paints Power supply 230 Volt AC, ± 10%, 50 Hz Digital Indicator/Digitizer - Micro processer based 6 (six) digit 7 segment display, auto zero tracking, linear scale, ambient temperature 10°C to 50°C.	1	840000	840000	
	Providing fire extinguisher powder type 6Kgs with stand	16	3000	48000	
	Total (B)			46,88,000.00	
	Total (A+B)			3,08,99,134.68	
	Provision taken at 5% of all plant and machinery cost			15,44,956.73	
	Grand Total			3,24,44,091.41	



PROJECT ADMINISTRATION BUILDING STAGE 02 PROJECT NO. 10000000000000000000 10000000000000000000		DATE 10/10/2020		SCALE 1/8" = 1'-0"		PROJECT NO. 10000000000000000000	
ARCHITECT ARCHITECTURE FIRM		ENGINEER ENGINEERING FIRM		DATE 10/10/2020		PROJECT NO. 10000000000000000000	
DESIGNER DESIGNER NAME		CHECKER CHECKER NAME		DATE 10/10/2020		PROJECT NO. 10000000000000000000	
DATE 10/10/2020		SCALE 1/8" = 1'-0"		PROJECT NO. 10000000000000000000		PROJECT NO. 10000000000000000000	

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
2. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH OTHER RELEVANT ARCH/STR DRGS.
4. LOCATION OF PLINTH BEAM SHALL FOLLOW WALL PLACEMENT AS SUGGESTED BY ARCHITECT.
5. TOR STEEL TO CONFORM TO IS 1785 OF 1985 FY STRENGTH 500 N/mm².
6. LAPS IN BARS TO CONFORM TO IS 456
7. CONC. GRADE: FOOTING, COLUMN & BEAM M20
8. CLEAR COVER: FOOTING 50mm, COLUMN 40mm, BEAM 25mm
9. MINIMUM DEPTH OF FOUNDATION BELOW FIRM GROUND 1500mm.
10. SAFE BEARING CAPACITY OF SOIL ≥ 14 Tonnes/sqm.
11. REFERENCE IS 456 - 2000, IS 1863 - 2003, IS 875 - 1993, IS 13920



FOOTING SCHEDULE

S.NO	TYPE OF FOOTING	COLUMN INVOLVED	FOOTING SIZE (A x B)	COLUMN SIZE (R x R)	PERIPHERAL SIZE (S x T)	P	Q	R	REINFORCEMENT		REMARKS
									Axis (X)	Axis (Y)	
1	F1	C30	2100 x 2100	450 x 450	800 x 600	500	1000	1300	18 @ 150 CRS	10 @ 150 CRS	
2	F2	C19, C18, C17, C16, C15, C14, C13, C12, C11, C10, C9, C8, C7, C6, C5, C4, C3, C2, C1	2100 x 2100	450 x 450	800 x 600	500	1000	1300	18 @ 150 CRS	10 @ 150 CRS	
3	F3	C19, C18, C17, C16, C15, C14, C13, C12, C11, C10, C9, C8, C7, C6, C5, C4, C3, C2, C1	2100 x 2100	450 x 450	800 x 600	500	1000	1300	18 @ 150 CRS	10 @ 150 CRS	
4	F4	C19, C18, C17, C16, C15, C14, C13, C12, C11, C10, C9, C8, C7, C6, C5, C4, C3, C2, C1	2100 x 2100	450 x 450	800 x 600	500	1000	1300	18 @ 150 CRS	10 @ 150 CRS	
5	F5	C19, C18, C17, C16, C15, C14, C13, C12, C11, C10, C9, C8, C7, C6, C5, C4, C3, C2, C1	2100 x 2100	450 x 450	800 x 600	500	1000	1300	18 @ 150 CRS	10 @ 150 CRS	
6	F6	C19, C18, C17, C16, C15, C14, C13, C12, C11, C10, C9, C8, C7, C6, C5, C4, C3, C2, C1	2100 x 2100	450 x 450	800 x 600	500	1000	1300	18 @ 150 CRS	10 @ 150 CRS	
7	F7	C19, C18, C17, C16, C15, C14, C13, C12, C11, C10, C9, C8, C7, C6, C5, C4, C3, C2, C1	2100 x 2100	450 x 450	800 x 600	500	1000	1300	18 @ 150 CRS	10 @ 150 CRS	
8	F8	C19, C18, C17, C16, C15, C14, C13, C12, C11, C10, C9, C8, C7, C6, C5, C4, C3, C2, C1	2100 x 2100	450 x 450	800 x 600	500	1000	1300	18 @ 150 CRS	10 @ 150 CRS	
9	F9	C19, C18, C17, C16, C15, C14, C13, C12, C11, C10, C9, C8, C7, C6, C5, C4, C3, C2, C1	2100 x 2100	450 x 450	800 x 600	500	1000	1300	18 @ 150 CRS	10 @ 150 CRS	
10	F10	C19, C18, C17, C16, C15, C14, C13, C12, C11, C10, C9, C8, C7, C6, C5, C4, C3, C2, C1	2100 x 2100	450 x 450	800 x 600	500	1000	1300	18 @ 150 CRS	10 @ 150 CRS	
11	F11	C19, C18, C17, C16, C15, C14, C13, C12, C11, C10, C9, C8, C7, C6, C5, C4, C3, C2, C1	2100 x 2100	450 x 450	800 x 600	500	1000	1300	18 @ 150 CRS	10 @ 150 CRS	

KASHI PRAKASH ENGINEERING
 202/203, Sector 45, Gurgaon, Haryana
 Ph: 01294-260000, 260001, 260002
 E-mail: kpe@kpe.com, kpeengg@gmail.com

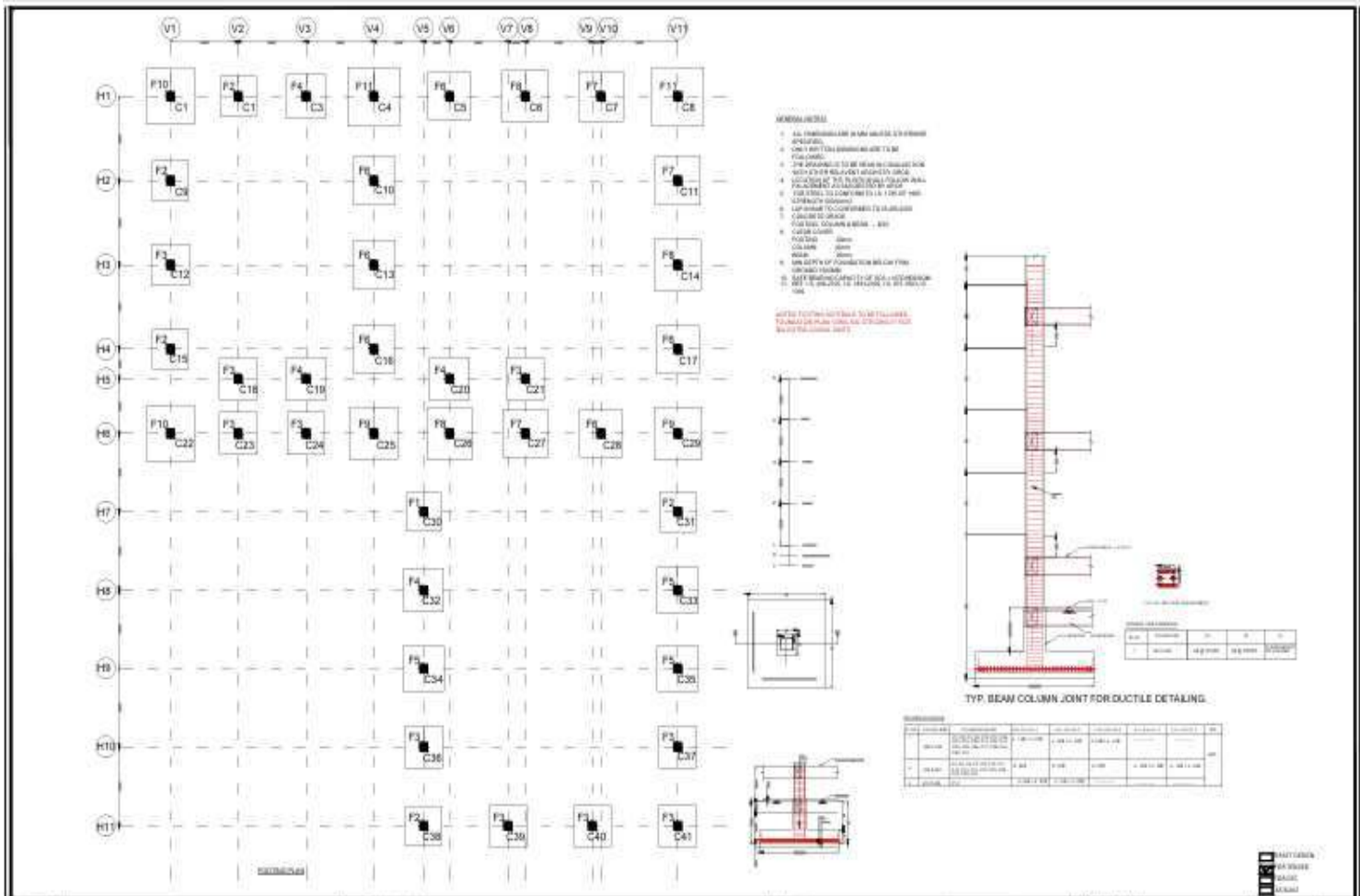
DRG. TITLE
 FOUNDATION PLAN

J&K STATE AGRO. INDUSTRIES DEVELOPMENT CORPORATION LTD. KATHUA, JAMMU, (INDIA)

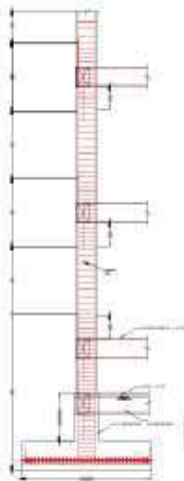
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 SAMPDA

DATE -20-01-2023

STR.DWG - 01



- GENERAL NOTES**
1. ALL DIMENSIONS IN MILLIMETERS UNLESS SPECIFIED OTHERWISE.
 2. ALL THE DIMENSIONS ARE TO BE TAKEN TO THE CENTER OF THE COLUMN.
 3. THE REINFORCEMENT IS TO BE PLACED AS SHOWN WITH 10% DEVELOPMENT LENGTH.
 4. THE REINFORCEMENT IS TO BE PLACED AS SHOWN WITH 10% DEVELOPMENT LENGTH.
 5. THE REINFORCEMENT IS TO BE PLACED AS SHOWN WITH 10% DEVELOPMENT LENGTH.
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 9. THE REINFORCEMENT IS TO BE PLACED AS SHOWN WITH 10% DEVELOPMENT LENGTH.
 10. THE REINFORCEMENT IS TO BE PLACED AS SHOWN WITH 10% DEVELOPMENT LENGTH.



TYP. BEAM COLUMN JOINT FOR DUCTILE DETAILING.

NO.	REVISION	DATE	BY	CHKD BY
1	ISSUED FOR TENDER	20/07/2018	AK	AK
2	AS PER COMMENTS	20/07/2018	AK	AK

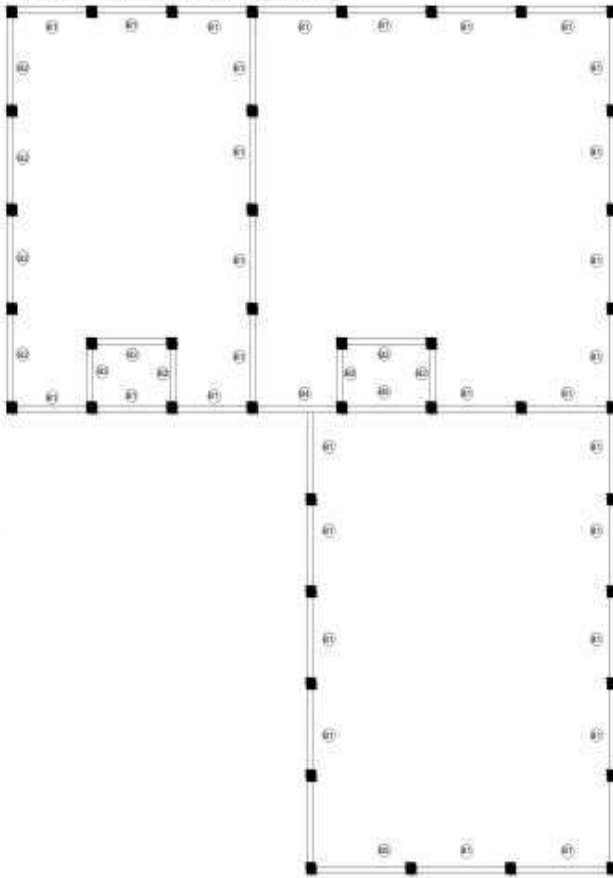
NOTES TO BE KEPT BY THE CLIENT. ALL DIMENSIONS ARE TO BE TAKEN TO THE CENTER OF THE COLUMN. THE REINFORCEMENT IS TO BE PLACED AS SHOWN WITH 10% DEVELOPMENT LENGTH. THE REINFORCEMENT IS TO BE PLACED AS SHOWN WITH 10% DEVELOPMENT LENGTH.

QUALITY ASSURANCE							
THE RESPONSIBILITY OF CHECKING, DESIGN AND VERIFICATION OF ALL DIMENSIONS AND REINFORCEMENT IS TO BE TAKEN TO THE CENTER OF THE COLUMN. THE REINFORCEMENT IS TO BE PLACED AS SHOWN WITH 10% DEVELOPMENT LENGTH.							
By Designer							
Sig.							
Date							
Name	AK	AK	AK	AK	AK	AK	AK
Checked by	AK	AK	AK	AK	AK	AK	AK

CLIENT	
JKSABDCI,	
PROJECT MANAGEMENT CONSULTANTS	
GLOBAL AGRISYSTEM PVT. LTD.	

PROJECT TITLE	
POULTRY AND FISH FEED FARM,	
DRAWING TITLE	
FOOTING AND COLUMN DETAIL REV.	
DRAWING NUMBER	
JK/POULTRY/RYA/18/01/001	
CAD FILE	
REV	TURNOFF
SCALE - NTS	DATE
REV	DATE

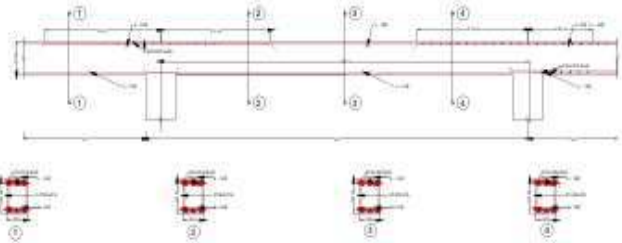
POSITION OF GRADE BEAM SCHEDULE AT LVL.0



GRADE BEAM SCHEDULE AT LVL.0

S.No.	Beam No.	E1 SUPPORT		END BEAM		END COLUMN		SPAN												GRADE						
		Top	Bottom	Top	Bottom	Top	Bottom	SPAN 1				SPAN 2				SPAN 3										
01	BB1-01	0.00	0.00	0.00	0.00	0.00	0.00	1	2	100	1	2	100	1	2	100	1	2	100	1	2	100	1	2	100	0.00
02	BB1-02	1.00	0.00	0.00	0.00	1.00	0.00	2	3	100	2	3	100	2	3	100	2	3	100	2	3	100	2	3	100	0.00
03	BB1-03	1.00	0.00	0.00	0.00	1.00+1.20	0.00	1	4	100	1	4	100	1	4	100	1	4	100	1	4	100	1	4	100	0.00
04	BB1-04	1.00+1.20	0.00	0.00	0.00	1.00+1.20	0.00	2	3	100	2	3	100	2	3	100	2	3	100	2	3	100	2	3	100	0.00
05	BB1-05	1.00+1.20	0.00	0.00	0.00	1.00	0.00	1	1	100	1	1	100	1	1	100	1	1	100	1	1	100	1	1	100	0.00
06	BB1-06	1.00	0.00	0.00	0.00	1.00	0.00	2	3	100	2	3	100	2	3	100	2	3	100	2	3	100	2	3	100	0.00

TYPICAL DETAILS OF BEAM (CONTINUOUS)



DATE: 11/01/2024
 TIME: 10:30 AM
 BY: [Signature]

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
 2. ALL BEAMS ARE TO BE CASTED IN PLACE.
 3. ALL BEAMS ARE TO BE CASTED IN PLACE.
 4. ALL BEAMS ARE TO BE CASTED IN PLACE.
 5. ALL BEAMS ARE TO BE CASTED IN PLACE.

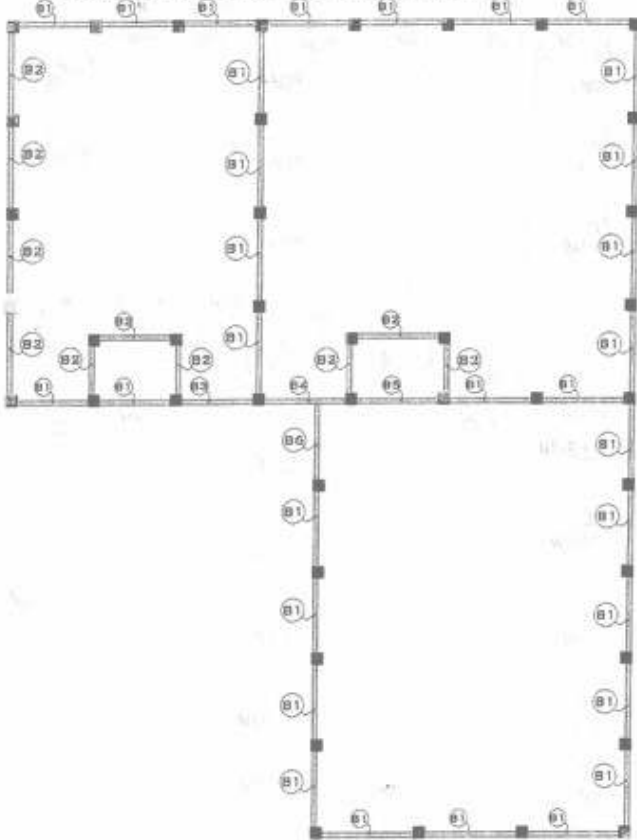
QUALITY ASSURANCE	
FOR THE PURPOSES OF QUALITY CONTROL AND CONTROL OF MATERIALS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY TESTS AND REPORTS FROM THE LABORATORY AND SHALL SUBMIT THE SAME TO THE ARCHITECT FOR APPROVAL.	
By Designer	
Sig.	_____
Date	____/____/____
Name	DR. [Signature]
Checked by	Architect
Structure	P.T.E.
Electrical	Other
Approved	_____

CLIENT
JAKSADCL
PROJECT MANAGEMENT CONSULTANTS:
GLOBAL AGRISYSTEM PVT. LTD.

PROJECT TITLE
FEDERAL AND FISH FEED FARM.
DRAWING TITLE
PLINTH BEAM PLAN AND REIN. DETAILS
DRAWING NUMBER
JK/POL/TRY/KATHUK/02/ADM
CAD FILE
02
SCALE
- NTS

REV	Date	Reason for Issue

POSITION OF PLINTH BEAM AT LVL.1

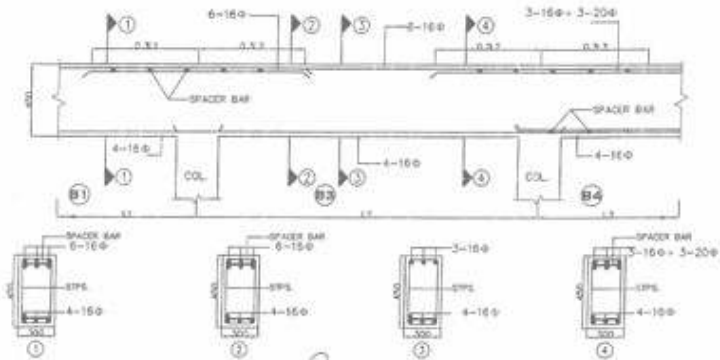


SHEET 02 OF 01

PLINTH BEAM SCHEDULE AT LVL.1

S.NO	BEAM SIZE	1ST SUPPORT		RED SPAN		2ND SUPPORT		SHEAR REINFORCEMENT						CONC. GRADE			
		TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	1ST SUPP	RED SPAN	2ND SUPP	1ST SUPP	2ND SUPP	1ST SUPP		2ND SUPP		
B1	300x450	4-150	3-150	3-150	3-150	3-150	4-150	8	2	120	8	2	120	8	2	120	M20
B2	300x450	4-150	3-150	3-150	3-150	3-150	4-150	8	2	120	8	2	120	8	2	120	M20
B3	300x450	4-150	3-150	3-150	3-150	3-150	4-150	8	2	120	8	2	120	8	2	120	M20
B4	300x450	3-150 + 3-200	4-150	3-150	4-150	3-150 + 3-200	4-150	8	2	120	8	2	120	8	2	120	M20
B5	300x450	3-150 + 3-200	4-150	3-150	4-150	3-150 + 3-200	4-150	8	2	120	8	2	120	8	2	120	M20
B6	300x450	2-150	4-150	3-150	4-150	3-150	4-150	8	2	120	8	2	120	8	2	120	M20

TYPICAL DETAIL OF BEAM (CONTINUOUS)



Revised

MAGGONDA OVERSEAS
 27/501-5th Floor, 4th Cross Street
 5th Floor - CHALEE BUILDING - J&K
 J&K - 190124/25
 e-mail: maggonda_overseas@yahoo.com



DRG. TITLE
PLINTH BEAM PLAN

J&K STATE AGRO. INDUSTRIES DEVELOPMENT CORPORATION LTD. KATHUA, JAMMU, (INDIA)

DEALT BY
SAMPDA

DATE -20-01-2023

STR.DWG - 03

BOTTOM STEEL LEGEND:-

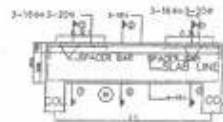
- (A) --- 10Φ @ 150 CRS
- (B) --- 8Φ @ 150 CRS

TOP STEEL LEGEND:-

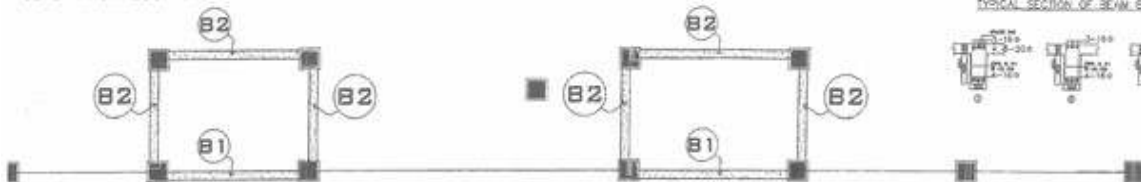
- (a) --- 10Φ @ 150 CRS
- (b) --- 8Φ @ 150 CRS

SLAB THICKNESS 150

TYPICAL DETAIL OF BEAM (END) SHEET 02 OF 02

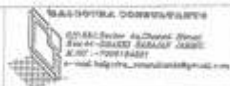


Signature



BEAM SCHEDULE AT LVL.2(HEIGHT 12')

S.NO	BEAM SIZE	1ST SUPPORT		MID SPAN		2ND SUPPORT		SHEAR REINFORCEMENT												CONC. GRADE
		TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	1ST SUPPORT				MID SPAN				2ND SUPPORT				
								Dia	L	At	Dist	Dia	L	At	Dist	Dia	L	At	Dist	
B1	300X450	3-16Φ + 3-20Φ	4-16Φ	3-16Φ	4-16Φ	3-16Φ + 3-20Φ	4-16Φ	8	2	130		8	2	180		8	2	130		M20
B2	300X450	6-16Φ	4-16Φ	3-16Φ	6-16Φ	4-16Φ	4-16Φ	8	2	130		8	2	180		8	2	130		
B3																				
B4																				
B5																				
B6																				



DRG. TITLE
BEAM PLAN AT LVL.2
12' HEIGHT

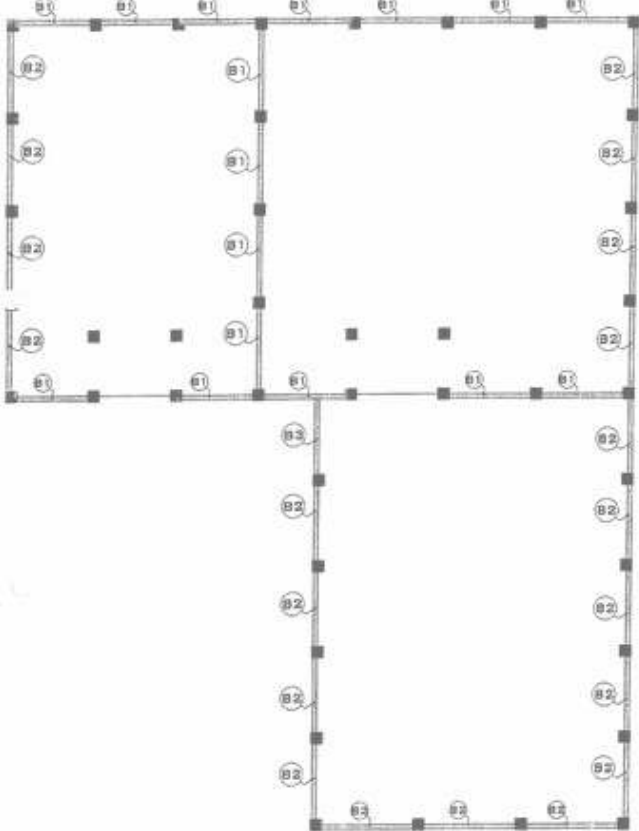
J&K STATE AGRO-INDUSTRIES DEVELOPMENT CORPORATION LTD. KATHUA, JAMMU, (INDIA)

DEALT BY
SAMPDA

DATE -20-01-2023

STR.DWG - 04

POSITION OF BEAM AT LVL.2(HEIGHT 15')



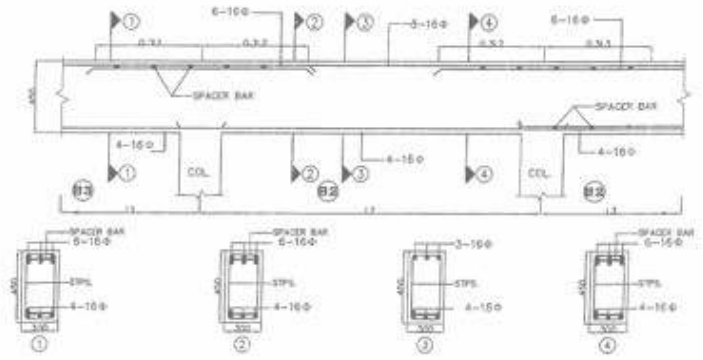
SHEET 02 OF 03

Rayat

BEAM SCHEDULE AT LVL.2

B.I.	BEAM SIZE	1ST SUPPORT		MID SPAN		2ND SUPPORT		SMALL REINFORCEMENT				CONC. GRADE
		TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	1ST SUPPORT	MID SPAN	2ND SUPPORT	1.40% IS	
B1	200x250	3-100	2-100	2-100	5-100	3-100	2-100	8-1.13	8-1.13	8-1.13	8-1.13	M20
B2	200x250	4-100	2-100	4-100	4-100	4-100	4-100	8-1.13	8-1.13	8-1.13	8-1.13	
B3	200x250	4-100	2-100	4-100	4-100	4-100	4-100	8-1.13	8-1.13	8-1.13	8-1.13	
B1												
B2												
B3												

TYPICAL DETAIL OF BEAM (CONTINUOUS)



WALOOKA CONSULTANTS
 Civil, Structural, Mechanical, Electrical, Plumbing, Fire Fighting, Sanitary, Water Supply, Surveying, etc.
 10/10, 1st Floor, Main Road, Jammu, J.K.
 Ph: 9876543210, 9876543210
 E-mail: walooka@walookaconsultants.com



DRG. TITLE
 BEAM PLAN AT LVL.2
 15' HEIGHT

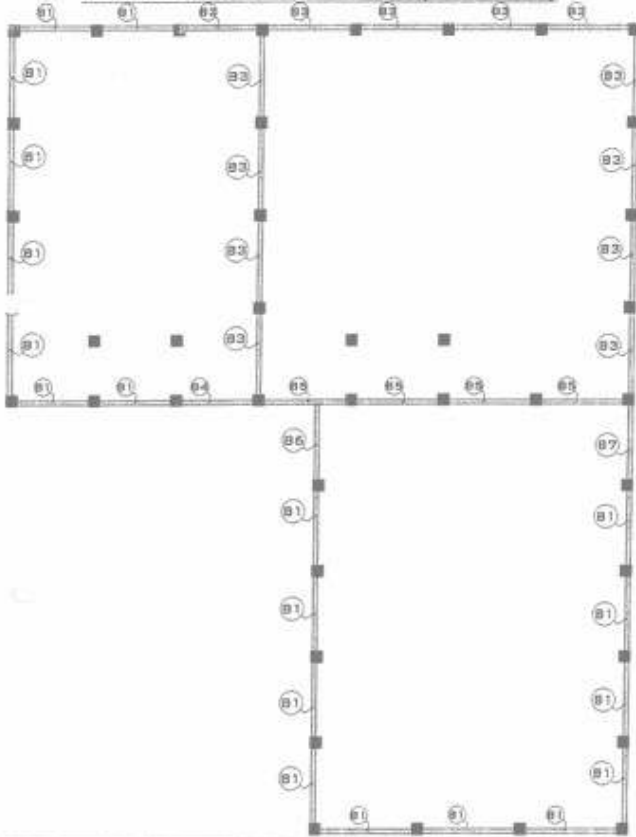
J&K STATE AGRO. INDUSTRIES DEVELOPMENT CORPORATION LTD. KATHUA, JAMMU, (INDIA)

DEALT BY
 SAMPDA

DATE -20-01-2023
STR.DWG - 05

POSITION OF BEAM AT LVL.3(HEIGHT 30')

SHEET 02 OF 04



BEAM SCHEDULE AT LVL.3

NO.	BEAM SIZE	1ST SUPPORT		2ND SPAN		2ND SUPPORT		B-BAR REINFORCEMENT			CONC. GRADE
		TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	1ST SUPPORT	MID SPAN	2ND SUPPORT	
01	300x300	4-150	5-150	4-150	4-150	4-150	4-150	8-2-130	8-2-130	8-2-130	M20
02	300x300	4-150	5-150	4-150	4-150	4-150	4-150	8-2-130	8-2-130	8-2-130	M20
03	300x300	4-150	5-150	4-150	4-150	4-150	4-150	8-2-130	8-2-130	8-2-130	M20
04	300x300	4-150	5-150	4-150	4-150	4-150	4-150	8-2-130	8-2-130	8-2-130	M20
05	300x300	4-150	5-150	4-150	4-150	4-150	4-150	8-2-130	8-2-130	8-2-130	M20
06	300x300	4-150	5-150	4-150	4-150	4-150	4-150	8-2-130	8-2-130	8-2-130	M20
07	300x300	4-150	5-150	4-150	4-150	4-150	4-150	8-2-130	8-2-130	8-2-130	M20

Rojo

M/S. JAIN & CO. ENGINEERS
 101/102/103/104, 1st Floor
 Block - 1, Sector - 1, Jammu (INDIA)
 P. NO. - 1900120001
 E-MAIL - jainco_engg@yahoo.com



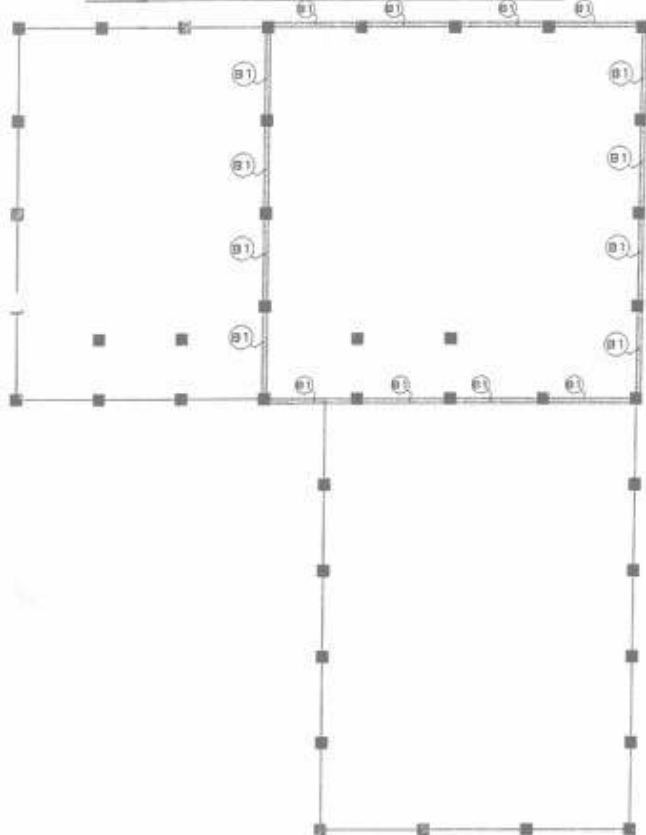
DRG. TITLE
 BEAM PLAN AT LVL.3
 30' HEIGHT

J&K STATE AGRO. INDUSTRIES DEVELOPMENT
 CORPORATION LTD. KATHUA, JAMMU (INDIA)

DEALT BY
 SAMPDA

DATE -20-01-2023
 STR.DWG - 06

POSITION OF BEAM AT LVL.4(HEIGHT 40')



BEAM SCHEDULE AT LVL.4

SHEET 03 OF 01

S.NO	BEAM SIZE	1ST SUPPORT		NO. OF BAY			2ND SUPPORT		BEAM REINFORCEMENT						END BRIDGE		
		TOP	BOTTOM	TOP	MIDDLE	TOP	BOTTOM	1ST SUPPORT	NO. OF BAY	2ND SUPPORT	1ST SUPPORT	NO. OF BAY	2ND SUPPORT				
B1	200x300	3-200	3-200	3-200	3-200	3-200	3-200	3-200	2	1.5	2	3	200	2	3	1.5	
B2																	
B3																	
B4																	
B5																	
B6																	
B7																	
B8																	
B9																	
B10																	
B11																	

Legend

MAHARAJA GURDIT SINGH
 30-A2, Sector 46, Chandigarh
 Ph: 91-98152-28203 (J&K)
 Ph: 91-98152-28201
 E-mail: maharajg@rediffmail.com



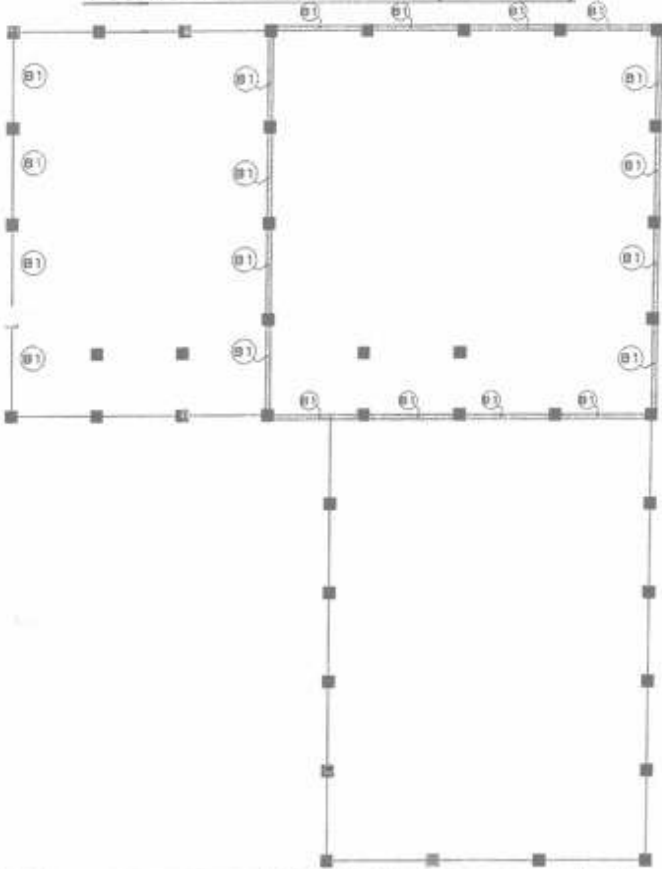
DRG. TITLE
 BEAM PLAN AT LVL.4
 40' HEIGHT

J&K STATE AGRO. INDUSTRIES DEVELOPMENT
 CORPORATION LTD, KATHUA, JAMMU.(INDIA)

DEALT BY
 SAMPDA

DATE -20-01-2023
 STR.DWG - 09

POSITION OF BEAM AT LVL.5(HEIGHT 50')



BEAM SCHEDULE AT LVL.4

SHEET 03 OF 02

S.NO	BEAM NO.	1ST SUPPORT		ACD SPA		END SUPPORT		BEAM REINFORCEMENT						LONG BRACE	
		TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	1ST SUPPORT		MID SPAN		END SUPPORT			
		1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd		
B1	M20	4-12	4-12	4-12	4-12	4-12	4-12	4-12	4-12	4-12	4-12	4-12	4-12	4-12	M20
B2															
B3															
B4															
B5															
B6															
B7															
B8															
B9															
B10															

Signature
 PROJECT ENGINEER
 J&K STATE AGRO, INDUSTRIES DEVELOPMENT CORPORATION LTD. KATHUA, JAMMU (INDIA)

MAJGOORA ENGINEERING
 22/1401, Sector - 45, Phase - II, Block
 No. 47 - JALOO MARKET, JAMMU
 PIN - 181005
 * mail: majgoora_engr@yahoo.com

DRG. TITLE
BEAM PLAN AT LVL.5
50' HEIGHT

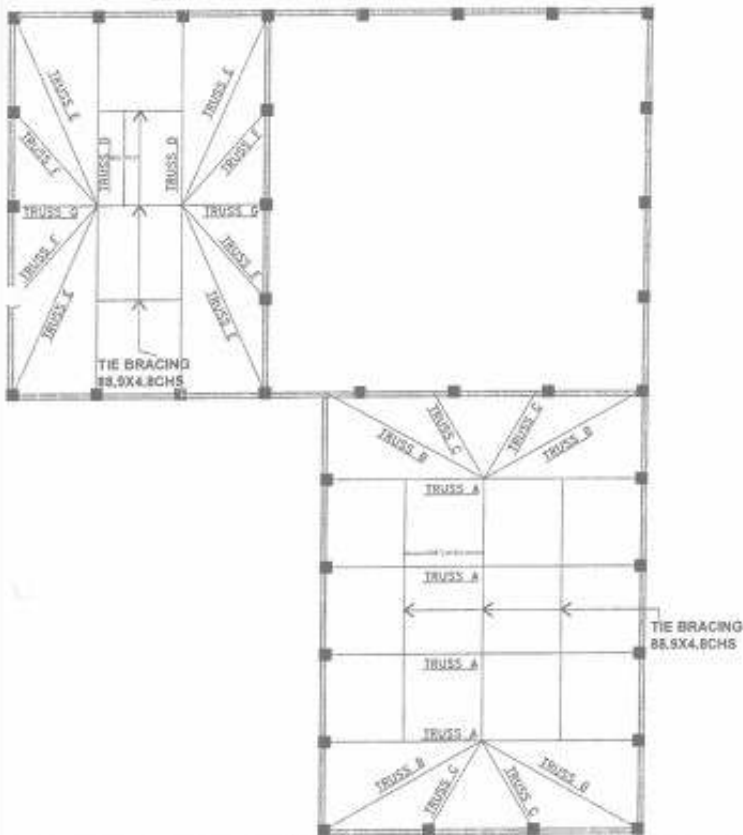
J&K STATE AGRO, INDUSTRIES DEVELOPMENT CORPORATION LTD. KATHUA, JAMMU (INDIA)

DEALT BY SAMPDA
DATE -20-01-2023
STR.DWG - 10

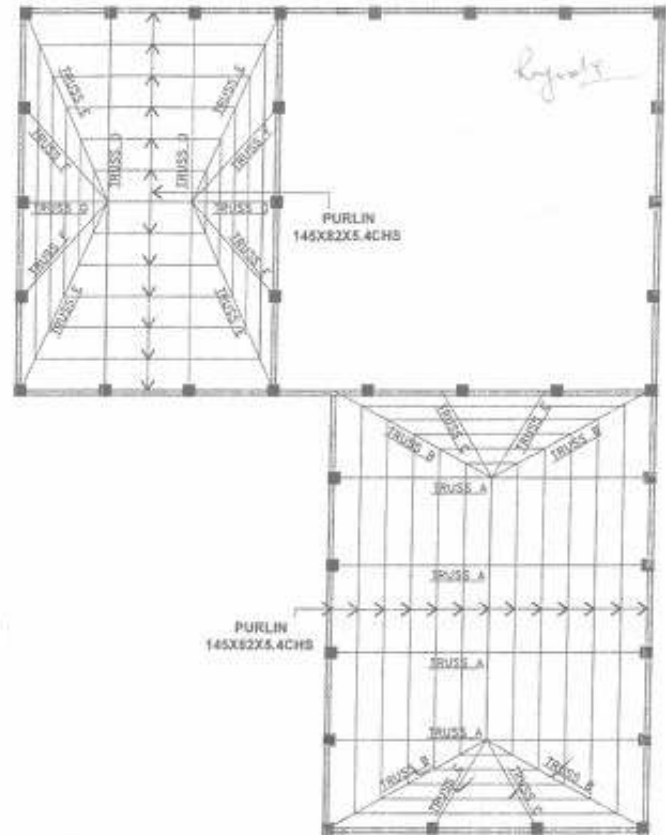


The front
 1311 2 1 1/2
 note the gable, all the work
 done at the same
 with the fact.

PLAN AT EAVES LVL.



PLAN AT RIDGE & RAFTER LVL. SHEET 02 OF 05



DRG. TITLE
PLAN AT EAVE LVL,
RIDGE & RAFTER LVL

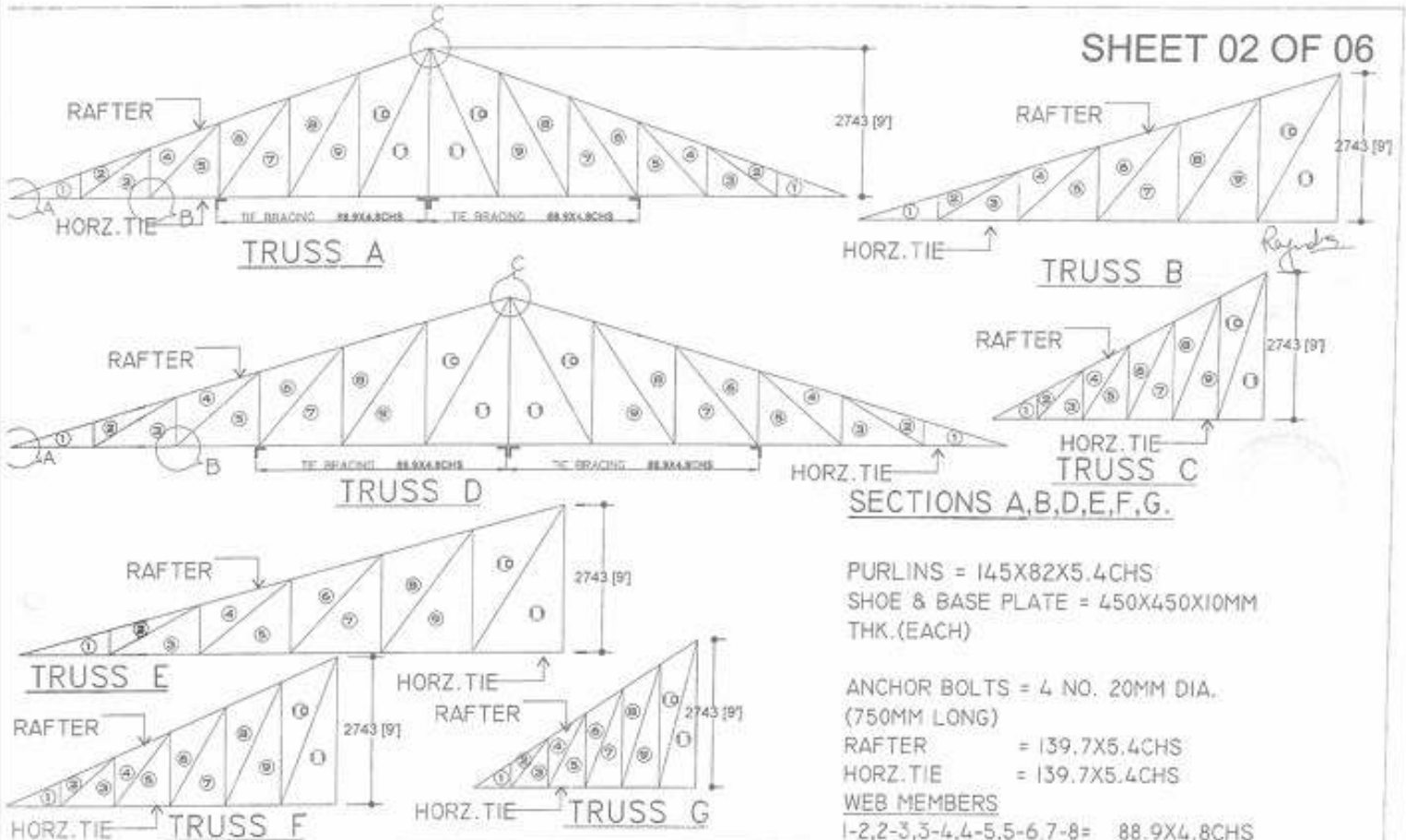
J&K STATE AGRO. INDUSTRIES DEVELOPMENT
CORPORATION LTD. KATHUA, JAMMU,(INDIA)

DEALT BY
SAMPDA

DATE -20-01-2023

STR.DWG - 07

SHEET 02 OF 06



SECTIONS A,B,D,E,F,G.

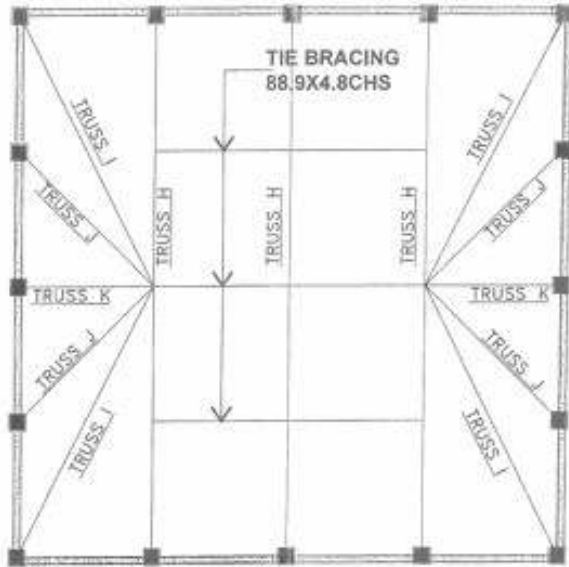
PURLINS = 145X82X5.4CHS
 SHOE & BASE PLATE = 450X450X10MM
 THK.(EACH)

ANCHOR BOLTS = 4 NO. 20MM DIA.
 (750MM LONG)
 RAFTER = 139.7X5.4CHS
 HORZ.TIE = 139.7X5.4CHS

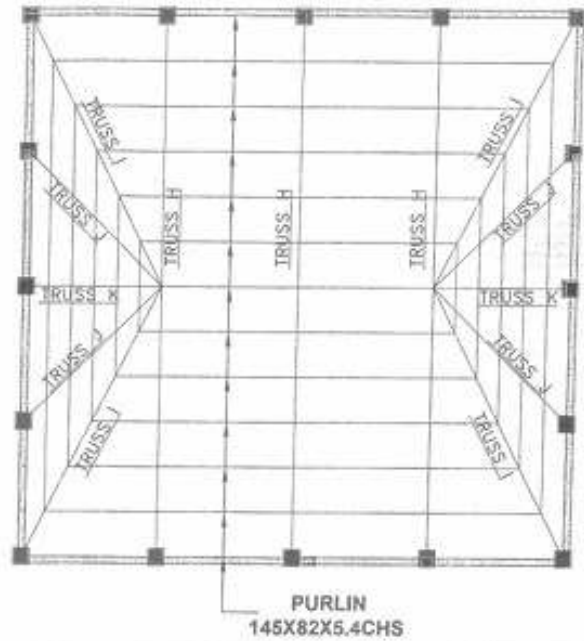
WEB MEMBERS
 1-2,2-3,3-4,4-5,5-6,7-8= 88.9X4.8CHS

	<p>DRO. TITLE TRUSS-A,B,C, D,E,F,G</p>	<p>J&K STATE AGRO. INDUSTRIES DEVELOPMENT CORPORATION LTD. KATHUA, JAMMU (INDIA)</p>	<p>DEALT BY SAMPDA</p>	<p>DATE -20-01-2023 STR.DWG - 08</p>
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PLAN AT EAVES LVL.



PLAN AT RIDGE & RAFTER LVL.



Signature



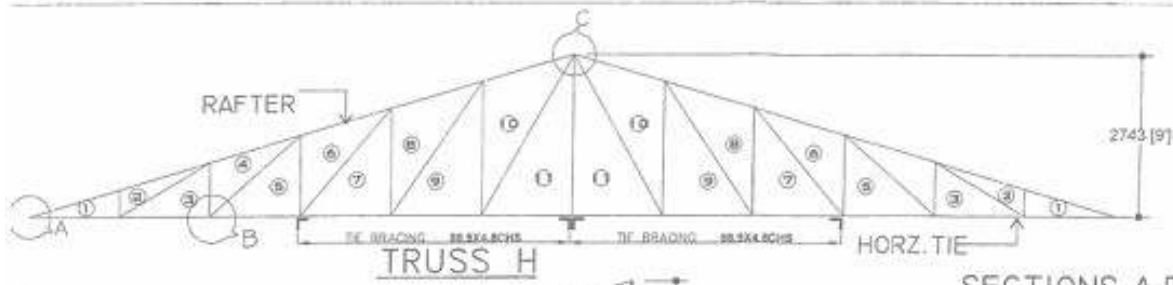
DRG. TITLE
 PLAN AT EAVE LVL,
 RIDGE & RAFTER LVL

J&K STATE AGRO. INDUSTRIES DEVELOPMENT
 CORPORATION LTD, KATHUA, JAMMU,(INDIA)

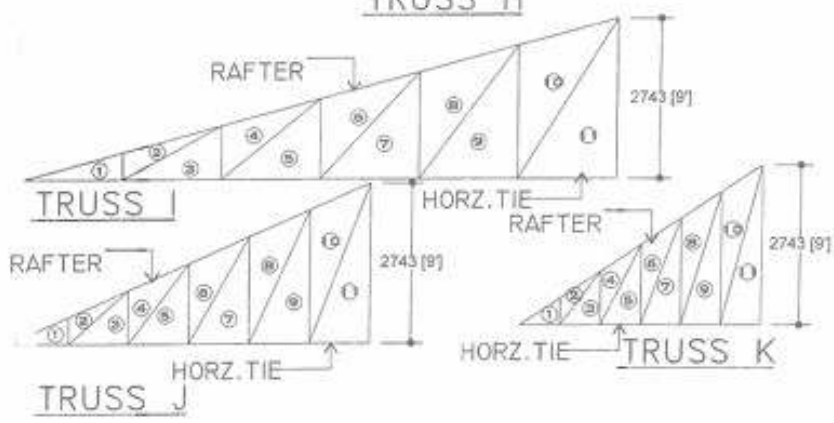
DEALT BY
 SAMPDA

DATE -20-01-2023

STR.DWG - 11



Signature



SECTIONS A,B,D,E,F,G.

PURLINS = 145X82X5.4RHS
 SHOE & BASE PLATE = 450X450X10MM
 THK.(EACH)

ANCHOR BOLTS = 4 NO. 20MM DIA.
 (750MM LONG)
 RAFTER = 139.7X5.4CHS
 HORZ. TIE = 139.7X5.4CHS
 WEB MEMBERS
 1-2,2-3,3-4,4-5,5-6,7-8= 88.9X4.8CHS



DRG. TITLE
TRUSS-H,I,J,K.

J&K STATE AGRO. INDUSTRIES DEVELOPMENT
 CORPORATION LTD. KATHUA, JAMMU, (INDIA)

DEALT BY
 SAMPDA

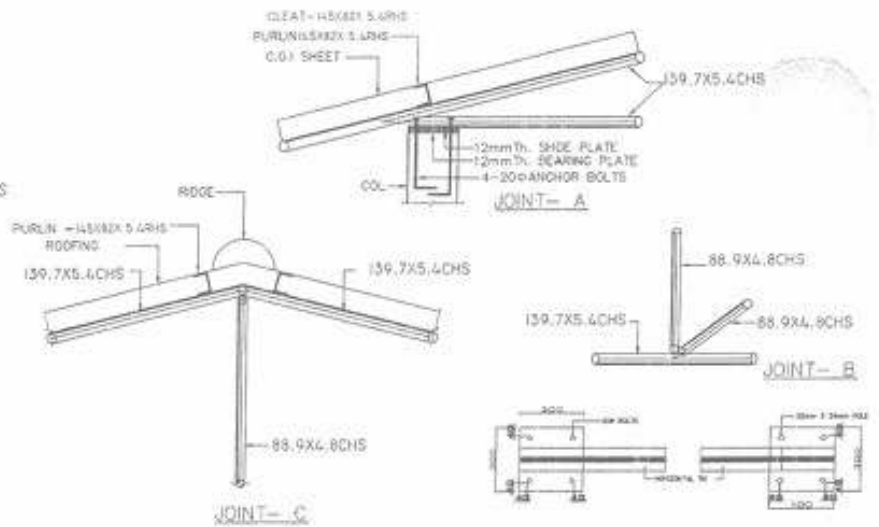
DATE -20-01-2023

STR.DWG - 12

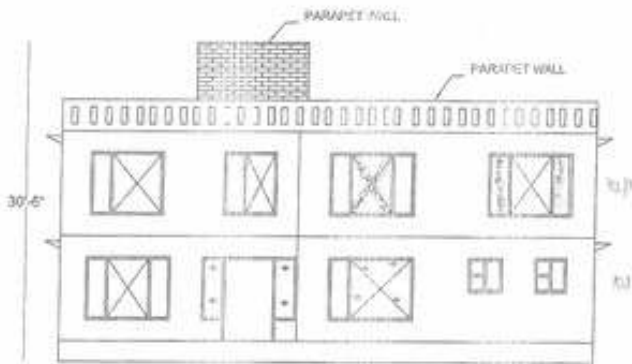
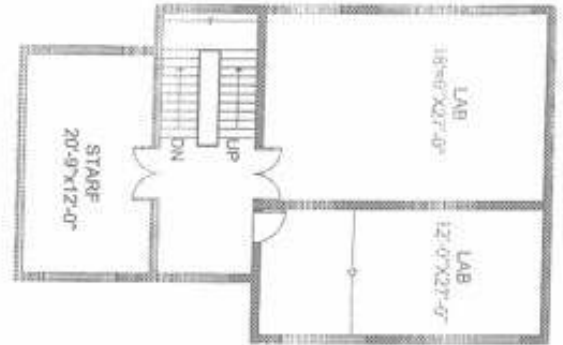
Rajesh

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
2. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
3. MATERIAL SPECIFICATION-
ALL STRUCTURAL STEEL ROLLED SECTIONS & PLATES SHALL CONFORM TO IS: 226 & IS: 2062.
4. WELDING SHALL CONFORM TO IS: 816.
5. ALL ELECTRODES SHALL CONFORM TO IS: 814 (PART-1).
6. WELD LENGTH HAS NOT BEEN SPECIFIED IN DRAWINGS THESE WILL HAVE TO BE WORKED OUT AT THE TIME OF FABRICATION.
7. ALL DIMENSIONS ARE TO BE CHECKED & VERIFIED BY SHOP/DRAWING BASED ON ARCHITECTURAL DRAWING / SITE REQUIREMENT.
8. GUSSET PLATE 10mm THICK WHEREVER REQUIRED.
9. TRUSS CONFIGURATION / PURLINS SPACING SHALL BE AS PER ACTUAL DIMENSIONS AT SITE.
10. 20 DIA. ANCHOR BOLTS 750 LONG TO BE PROVIDED AT ALL TRUSS BEARING LOCATION.
11. FYLD GRADE IS 310



 <p>SAMPDA CONSULTANTS Sampda Design & Consult. Group Plot No-128/127, S.A.S. Ind. Area, K.M.T. - 190018/18801 Jammu - 190018</p>		<p>DRG. TITLE TRUSS SECTION DETAIL</p>	<p>PROJECT CONSTRUCTION OF NEW WORKSHOP AT KISHITWAR</p>	<p>AUTHORITY EXECUTIVE ENGINEER PWD R&B DIVISION KISHITWAR, JAMMU.</p>	<p>DEALT BY SAMPDA</p>	<p>DATE - 12-12-2022 STR.DWG - 13</p>
---	---	---	---	---	-----------------------------------	---



SIDE VIEW

PROJECT

GROUND FLOOR PLAN FOR J&K STATE
AGRO. INDUSTRIES DEVELOPMENT
CORPORATION LTD, KATHUA, JAMMU (INDIA)

-  CEILING FAN
-  TUBE LIGHT
-  CEILING LIGHT
-  SWITCH BOARD
-  POWER POINT
-  EXHAUST FAN
-  WALL LIGHT

ELECTRICAL LAYOUT PLAN

REV

FILE NAME J&K STATE AGRO. INDUSTRIES

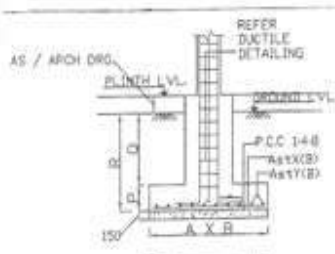
DRAWN

CHECK

APPR

RAJESH GUPTA & ASSOCIATES

SENIOR CONSULTANT, JAMMU



1.2.22 - 2022

GENERAL NOTES

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
2. ONLY WRITTEN DIMENSIONS ARE TO BE FOLLOWED.
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH OTHER RELEVANT ARCH/STR DRGS.
4. LOCATION OF PLINTH BEAM SHALL FOLLOW WALL PLACEMENT AS SUGGESTED BY ARCHITECT.
5. TOR STEEL TO CONFORM TO IS 1786 OF 1985 FY STRENGTH 500 N/mm².
6. LAPS IN BARS TO CONFORM TO IS 456 OF 2000
7. CONC. GRADE: FOOTING, COLUMN & BEAM M20
8. CLEAR COVER:

FOOTING	60mm
COLUMN	40mm
BEAM	25mm
9. MINIMUM DEPTH OF FOUNDATION BELOW FIRM GROUND 1500mm.
10. SAFE BEARING CAPACITY OF SOIL = 14 Tones/sqm
11. REFERENCE IS 456 - 2000, IS 1893 - 2002, IS 875 - 1993, IS 13920

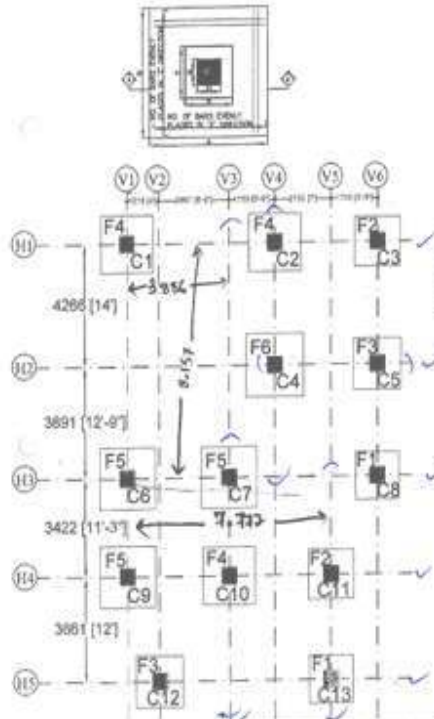
Rajiv



FIRST FLOOR PLAN

GR.FLOOR PLAN

FLOOR INDEX AS PER ARCH. DRAWING
FLOOR INDEX AS PER STR. DRAWING



FOOTING SCHEDULE

S.NO	TYPE OF FOOTING	COLUMN INVOLVED	FOOTING SIZE (A X B)	COLUMN SIZE (M X N)	PEDESTAL SIZE (S X T)	P	Q	R	REINFORCEMENT		MIX
									AsX (B)	AsY (B)	
									X - DIRECTION	Y - DIRECTION	
1	F1	C8,C13	2400 X 2400	450 X 450	600 X 600	500	1000	1500	10 φ 150 CRS	10 φ 150 CRS	M20
2	F2	C3,C11	2500 X 2500	450 X 450	600 X 600	500	1000	1500	10 φ 150 CRS	10 φ 150 CRS	
3	F3	C5,C12	2600 X 2600	450 X 450	600 X 600	500	1000	1300	10 φ 150 CRS	10 φ 150 CRS	
4	F4	C1,C2,C10	2900 X 2900	450 X 450	600 X 600	500	1000	1500	10 φ 125 CRS	10 φ 125 CRS	
5	F5	C6,C7,C9	3100 X 3100	450 X 450	600 X 600	500	1000	1500	10 φ 100 CRS	10 φ 100 CRS	
6	F6	C4	3200 X 3200	450 X 450	600 X 600	500	1000	1500	10 φ 100 CRS	10 φ 100 CRS	

RAMSHTA CONSULTANTS
 C-122, Sector 44, Gurgaon, Haryana
 Ph: 91-98100-83000, 98100-83001
 E: info@ramshta.com, ramshta@gmail.com

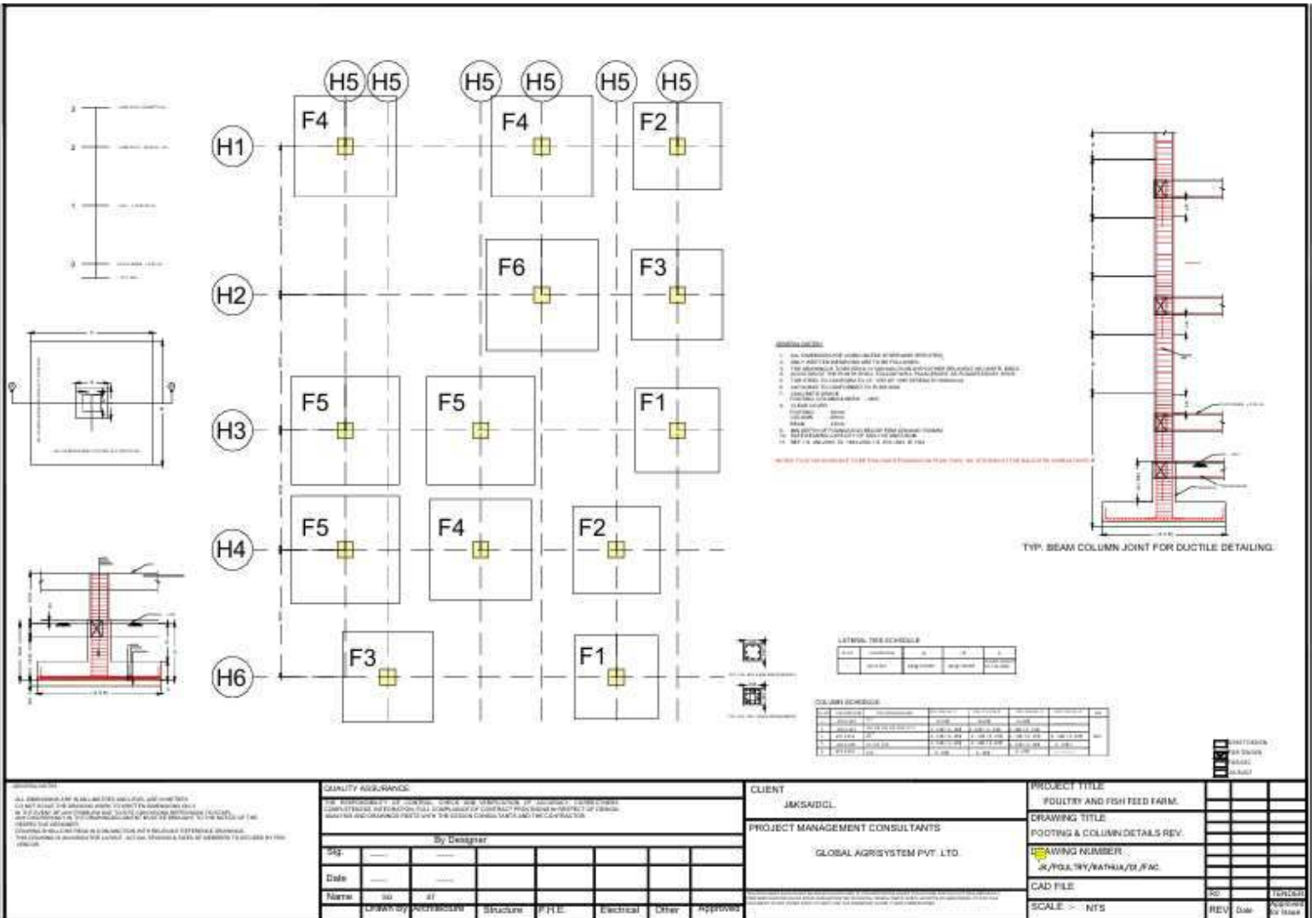


DRG. TITLE
FOUNDATION PLAN

J&K STATE AGRO. INDUSTRIES DEVELOPMENT CORPORATION LTD. KATHUA, JAMMU.(INDIA)

DEALT BY
SAMPDA

DATE -20-01-2023
STR.DWG - 01



1. All dimensions are in millimeters unless otherwise stated.
 2. All dimensions are in millimeters unless otherwise stated.
 3. All dimensions are in millimeters unless otherwise stated.
 4. All dimensions are in millimeters unless otherwise stated.
 5. All dimensions are in millimeters unless otherwise stated.
 6. All dimensions are in millimeters unless otherwise stated.
 7. All dimensions are in millimeters unless otherwise stated.
 8. All dimensions are in millimeters unless otherwise stated.
 9. All dimensions are in millimeters unless otherwise stated.
 10. All dimensions are in millimeters unless otherwise stated.

QUALITY ASSURANCE

THE RESPONSIBILITY OF THE DESIGNER AND CONTRACTOR IS TO ENSURE THAT ALL DIMENSIONS AND FINISHES ARE AS SHOWN ON THE DRAWING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE QUALITY OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE QUALITY OF THE WORK.

By Designer					
Sig.	Date	Name	Drawn by	Checked by	Approved

CLIENT

JKSADCL

PROJECT MANAGEMENT CONSULTANTS

GLOBAL AGRISYSTEM PVT. LTD.

PROJECT TITLE

POULTRY AND FISH FEED FARM.

DRAWING TITLE

FOOTING & COLUMN DETAILS REV.

DRAWING NUMBER

JK/PSA/RY/BATHIA/D/FAC

CAD FILE

SCALE: 1:100

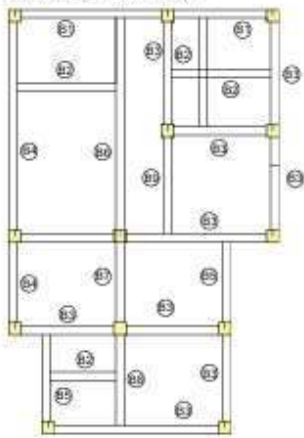
REV

REV	Date	By	For Issue

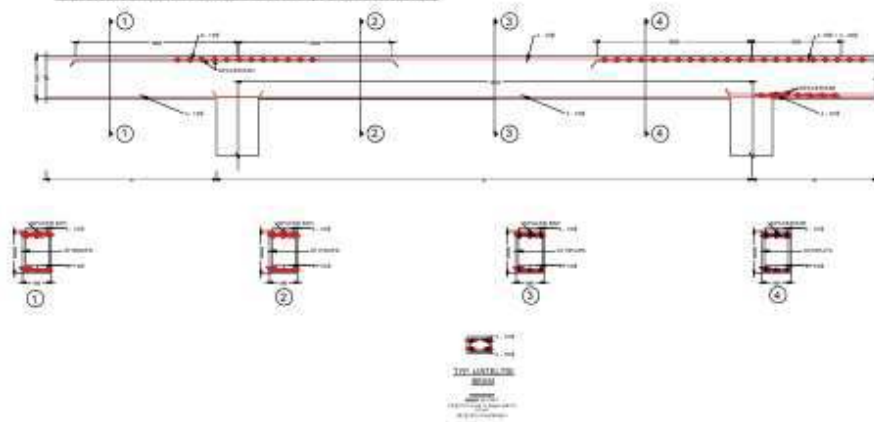
GRADE BEAM SCHEDULE AT LVL.0

S. No.	Beam Size	1ST SUPPORT		100 SPAN		2ND SPAN		2ND SPAN (CONTINUOUS)									ELEM. NUMBER			
		1ST SUPPORT		100 SPAN		2ND SPAN		1ST SUPPORT			100 SPAN			2ND SUPPORT						
		Top	Bottom	Top	Bottom	Top	Bottom	ISA	L	AF	ISFT	ISA	L	AF	ISFT	ISA		L	AF	ISFT
81	300 X 400	3.100 + 3.000	4.100	3.100	4.100	3.100 + 3.000	4.100	8	2	100	8	2	100	8	2	100	8	2	100	M11
82	300 X 400	3.100	2.100	3.100	2.100	3.100	2.100	8	2	100	8	2	100	8	2	100	8	2	100	
83	300 X 400	6.100	4.100	3.100	4.100	3.100	4.100	8	2	100	8	2	100	8	2	100	8	2	100	
84	300 X 400	2.200 + 3.000	3.100	3.000	3.100	2.200 + 3.000	3.100	10	2	100	10	2	100	10	2	100	10	2	100	
85	300 X 400	3.100	3.100	2.100	3.100	3.100	3.100	8	2	100	8	2	100	8	2	100	8	2	100	
86	300 X 400	3.200	3.100	2.000	3.100	3.200	3.100	10	2	100	10	2	100	10	2	100	10	2	100	
87	300 X 400	6.200	3.100	2.000	3.100	4.200	3.100	10	2	100	10	2	100	10	2	100	10	2	100	
88	300 X 400	4.200	3.100	3.000	3.100	4.200	3.100	10	2	100	10	2	100	10	2	100	10	2	100	
89	300 X 400	6.100	3.100	3.100	4.100	3.100	4.100	8	2	100	8	2	100	8	2	100	8	2	100	

POSITION OF GRADE BEAM SCHEDULE AT LVL.0



TYPICAL DETAILS OF BEAM (CONTINUOUS)



PART/SECTION
 AS BUILT
 AS CAL.
 AS SHOWN

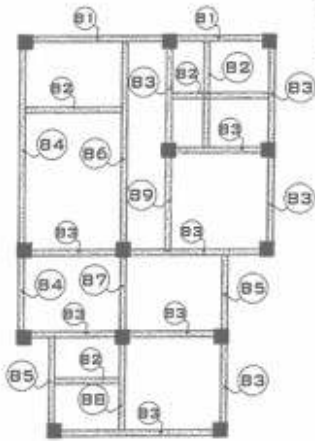
<p>DESIGNER'S USE</p> <p>ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE INDIAN STANDARDS. IN THE EVENT OF ANY DISCREPANCY BETWEEN THE DRAWING AND THE SPECIFICATIONS, THE SPECIFICATIONS SHALL PREVAIL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS.</p>	<p>QUALITY ASSURANCE:</p> <p>THE RESPONSIBILITY OF CHECKING, CORRECTING AND VERIFYING OF ALL WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY APPROVALS.</p>	<p>CLIENT</p> <p>JAKSADD.</p>	<p>PROJECT TITLE</p> <p>POULTRY AND FISH FEED FARM.</p>	
	<p>By Designer</p> <p>Sig. _____</p> <p>Date _____</p> <p>Name: 80 87</p>	<p>PROJECT MANAGEMENT CONSULTANTS</p> <p>GLOBAL AGRISYSTEM PVT. LTD.</p>	<p>DRAWING TITLE</p> <p>PLANT BEAM PLAN AND REINFORCEMENT DETAILS</p> <p>DR/WING NUMBER</p> <p>JK/POULTRY/KATHUA/02/FAC.</p>	<p>CAD FILE</p> <p>SCALE: 1/4" = 1'-0"</p>
	<p>CHKD BY: P. S. SINGH</p> <p>DRG. NO: P. S. SINGH</p> <p>DATE: 10/10/2023</p>	<p>APPROVED BY: _____</p> <p>DATE: _____</p>	<p>DATE: _____</p>	<p>DATE: _____</p>
	<p>CHKD BY: P. S. SINGH</p> <p>DRG. NO: P. S. SINGH</p> <p>DATE: 10/10/2023</p>	<p>APPROVED BY: _____</p> <p>DATE: _____</p>	<p>DATE: _____</p>	<p>DATE: _____</p>

SHEET 02 OF 01

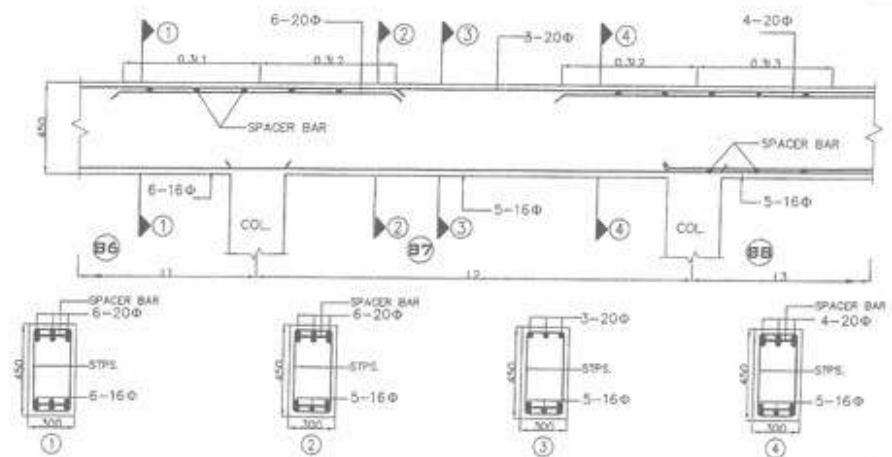
PLINTH BEAM SCHEDULE AT LVL.1

S.NO	BEAM SIZE	1ST SUPPORT		MID SPAN		2ND SUPPORT		SHEAR REINFORCEMENT						CONC. GRADE		
		TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	1ST SUPPORT		MID SPAN		2ND SUPPORT				
								Di	At	Di	At	Di	At			
B1	300X450	3-16Φ + 3-20Φ	4-16Φ	3-16Φ	4-16Φ	3-16Φ + 3-20Φ	4-16Φ	8	2	130	8	2	130	8	2	130
B2	300X450	3-16Φ	3-16Φ	3-16Φ	3-16Φ	3-16Φ	3-16Φ	8	2	130	8	2	130	8	2	130
B3	300X450	5-16Φ	4-16Φ	3-16Φ	4-16Φ	6-16Φ	4-16Φ	8	2	130	8	2	130	8	2	130
B4	300X450	3-20Φ + 3-25Φ	6-16Φ	3-20Φ	6-16Φ	3-20Φ + 3-25Φ	6-16Φ	10	2	130	10	2	130	10	2	130
B5	300X450	3-16Φ	4-16Φ	3-16Φ	4-16Φ	6-16Φ	4-16Φ	8	2	130	8	2	130	8	2	130
B6	300X450	3-20Φ	6-16Φ	3-20Φ	6-16Φ	6-20Φ	6-16Φ	10	2	130	10	2	130	10	2	130
B7	300X450	6-20Φ	3-16Φ	3-20Φ	5-16Φ	4-20Φ	3-16Φ	10	2	130	10	2	130	10	2	130
B8	300X450	4-20Φ	5-16Φ	3-20Φ	5-16Φ	3-20Φ	5-16Φ	10	2	130	10	2	130	10	2	130
B9	300X450	5-16Φ	4-16Φ	3-16Φ	4-16Φ	3-16Φ	4-16Φ	8	2	130	8	2	130	8	2	130

POSITION OF PLINTH BEAM AT LVL.1



TYPICAL DETAIL OF BEAM (CONTINUOUS)



Rajendra

MALHOTRA CORPORATION
 27-28 Sector 46, Gurgaon (Haryana)
 Pin-122002, GURGAON (HARYANA)
 P.M.T. - 10012007
 E-mail: malhotra@malhotracorp.com



DRG. TITLE
PLINTH BEAM PLAN

J&K STATE AGRO. INDUSTRIES DEVELOPMENT CORPORATION LTD. KATHUA, JAMMU (INDIA)

DEALT BY
SAMPDA

DATE -20-01-2023
STR.DWG - 03

SHEET 03 OF 01

POSITION OF FIRST FLOOR BEAM AT LVL.2

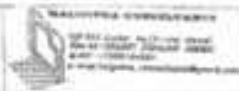
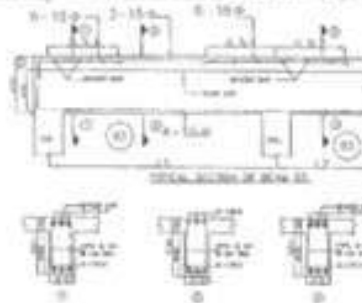


FIRST FLOOR BEAM SCHEDULE AT LVL.2

SHEET 02 OF 02

L.N.	BEAM SIZE	1ST SUPPORT		MID SPAN		END SUPPORT		SHEAR SCHEDULE (mm)			END ANGLE
		TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	1ST SUPPORT	MID SPAN	END SUPPORT	
B1	200x250	4.100	1.100	0.100	0.100	4.100	4.100	0	0	0	0
B2	200x250	4.100	1.100	4.100	1.100	0.100	0.100	0	0	0	0
B3	200x250	4.100	2.000	1.100	0.100	0.100	0.100	0	0	0	0
B4	200x250	4.100	2.000	1.100	0.100	2.000 + 2.000	0.100	0	0	0	0
B5	200x250	4.100 + 2.000	1.100	1.100	0.100	2.000 + 2.000	0.100	0	0	0	0
B6	200x250	0.100	2.000	2.000	0.100	0.100	0.100	0	0	0	0
B7	200x250	0.100	2.000	2.000	0.100	0.100	0.100	0	0	0	0
B8	200x250	0.100	2.000	2.000	0.100	0.100	0.100	0	0	0	0
B9	200x250	0.100	2.000	2.000	0.100	0.100	0.100	0	0	0	0
B10	200x250	0.100	2.000	2.000	0.100	0.100	0.100	0	0	0	0

TYPICAL DETAIL OF BEAM (END)



ORG. TITLE
FIRST FLOOR BEAM

J&K STATE AGRI. INDUSTRIES DEVELOPMENT CORPORATION LTD. KATHUA, JAMMU (INDIA)

DESIGN BY
SAMPDA

DATE -20-01-2023

STR.DWG - 04

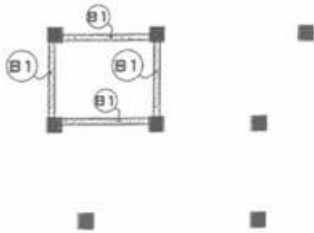
SHEET 05 OF 01

POSITION OF MUMTY FLOOR BEAM AT LVL.4

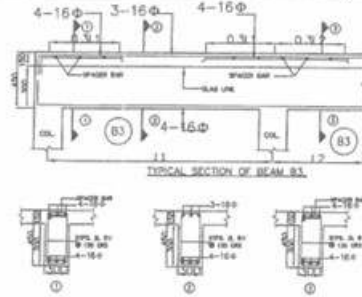
MUMTY FLOOR BEAM SCHEDULE AT LVL.4

S.NO	BEAM SIZE	1ST SUPPORT		MID SPAN		2ND SUPPORT		SHEAR REINFORCEMENT						CONC. GRADE						
		TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	1ST SUPPORT		MID SPAN		2ND SUPPORT								
								Dia	L	At	Dist	Dia	L	At	Dist	Dia	L	At	Dist	
B1	300x450	4-16Φ	4-16Φ	3-16Φ	4-16Φ	4-16Φ	4-16Φ	8	2	130	8	2	130	8	2	130				
B2																				
B3																				
B4																				
B5																				
B6																				
B7																				
B8																				

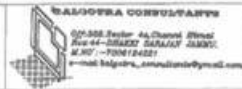
BOTTOM STEEL LEGEND:-
 (A) --- 10Φ @ 150 CRS
 (B) --- 8Φ @ 150 CRS
TOP STEEL LEGEND:-
 (a) --- 10Φ @ 150 CRS
 (b) --- 8Φ @ 150 CRS
 SLAB THICKNESS 150



TYPICAL DETAIL OF BEAM (END)



Ragnish



SAMPDA CONSULTANTS
 Opp. State Sector-4A, Chander Prasad
 Near 44-DIRAKT GARAFALI JAMMU;
 W.NO - 70N184281
 e-mail: info@sampda_consultants@gmail.com



DRG. TITLE
 MUMTY BEAM PLAN

J&K STATE AGRO. INDUSTRIES DEVELOPMENT
 CORPORATION LTD. KATHUA, JAMMU, (INDIA)

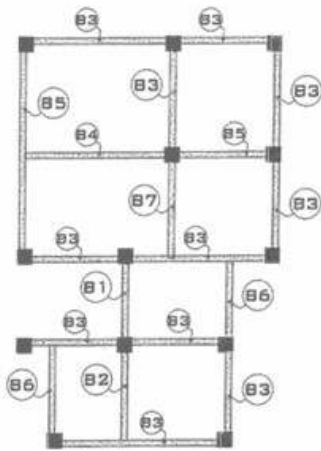
DEALT BY
 SAMPDA

DATE -20-01-2023

STR.DWG - 07

Kapra

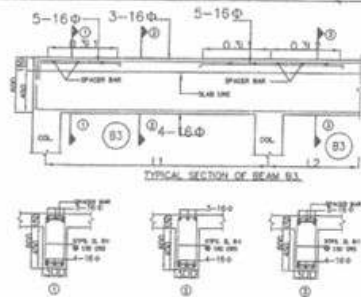
POSITION OF ROOF FLOOR BEAM AT LVL.3



ROOF FLOOR BEAM SCHEDULE AT LVL.3

S.NO	BEAM SIZE	1ST SUPPORT		MID SPAN		2ND SUPPORT		SHEAR REINFORCEMENT						CHG. GRADE		
								1ST SUPPORT		MID SPAN		2ND SUPPORT				
		TOP	BOTTOM	TOP	BOTTOM	TOP	BOTTOM	Dia	L	At	Dia	L	At		Dia	L
B1	300x450	4-16Φ	4-16Φ	3-16Φ	4-16Φ	4-16Φ	4-16Φ	R	2	130	R	2	130	R	2	130
B2	300x450	4-16Φ	4-16Φ	3-16Φ	4-16Φ	3-16Φ	4-16Φ	R	2	130	R	2	130	R	2	130
B3	300x600	5-16Φ	4-16Φ	3-16Φ	4-16Φ	5-16Φ	4-16Φ	R	2	130	R	2	180	R	2	130
B4	300x600	3-16Φ	4-16Φ	3-16Φ	4-16Φ	3-16Φ + 3-20Φ	4-16Φ	R	2	130	R	2	180	R	2	130
B5	300x600	3-16Φ + 3-20Φ	4-16Φ	3-16Φ	4-16Φ	3-16Φ + 3-20Φ	4-16Φ	R	2	130	R	2	180	R	2	130
B6	300x600	3-16Φ	4-16Φ	3-16Φ	4-16Φ	5-16Φ	4-16Φ	R	2	130	R	2	180	R	2	130
B7	300x600	5-16Φ	4-16Φ	3-16Φ	4-16Φ	3-16Φ	4-16Φ	R	2	130	R	2	180	R	2	130

TYPICAL DETAIL OF BEAM (END)



KALGOORA CONSULTANTS
 601/55B, Sector 46, Chandigarh
 160-44-0284572, 160-44-0284573, JALANDHAR
 161007-7-7000124801
 e-mail: kalgoora_consultants@yahoo.com

DRG. TITLE
 ROOF FLOOR BEAM

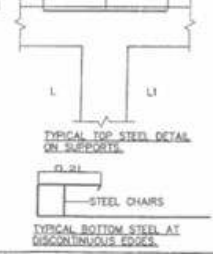
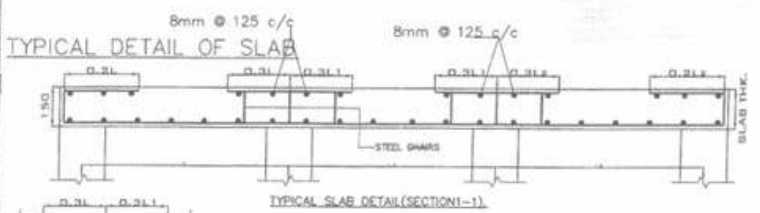
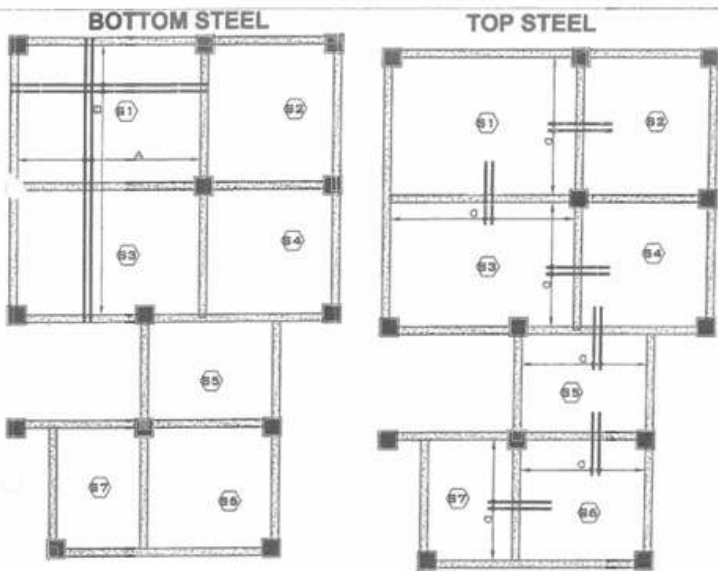
J&K STATE AGRO. INDUSTRIES DEVELOPMENT CORPORATION LTD. KATHUA, JAMMU, (INDIA)

DEALT BY
 SAMPDA

DATE -20-01-2023

STR.DWG - 05

SHEET 04 OF 02 *Rajendra*



SLAB MARK	THICKNESS OF SLAB	RCC SLAB DETAIL			
		BOTTOM STEEL		TOP STEEL	
		MAIN STEEL	DIST. STEEL	MAIN STEEL	DIST. STEEL
1. S144A	150	(A) - 100 @ 125 CRS (B) - 80 @ 125 CRS	(C) - 100 @ 125 CRS (D) - 80 @ 125 CRS	(E) - 100 @ 125 CRS (F) - 80 @ 125 CRS	(G) - 100 @ 125 CRS (H) - 80 @ 125 CRS
2.					

BALGOTRA CONSULTANTS
 Civil & Structural Engineers
 Plot No. 10, Sector 10, Gurgaon, Haryana
 Ph: 01299-424242, 01299-424243
 E-mail: balgotra_consultants@gmail.com



DRG. TITLE
 SLAB DETAIL

J&K STATE AGRO. INDUSTRIES DEVELOPMENT CORPORATION LTD. KATHUA, JAMMU, (INDIA)

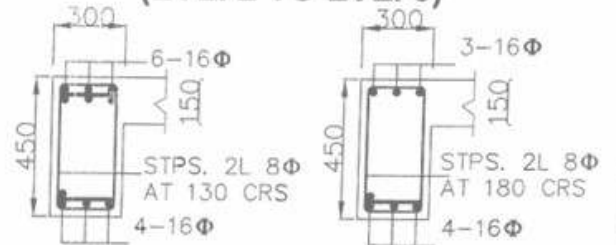
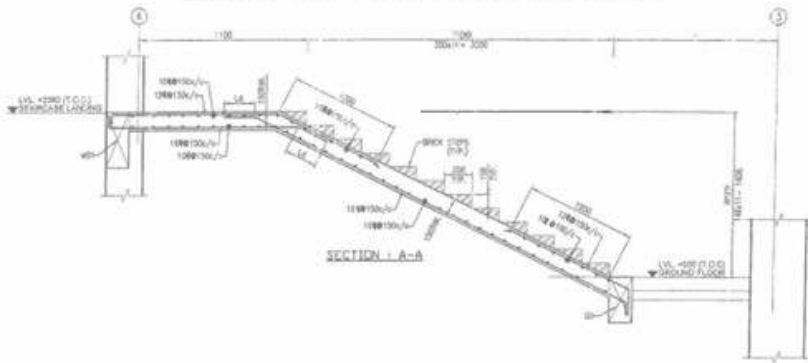
DEALT BY
 SAMPDA

DATE -20-01-2023
 STR.DWG - 06

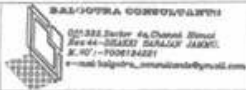
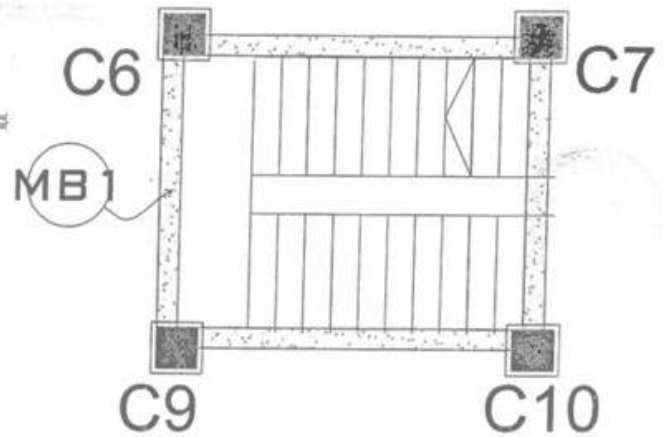
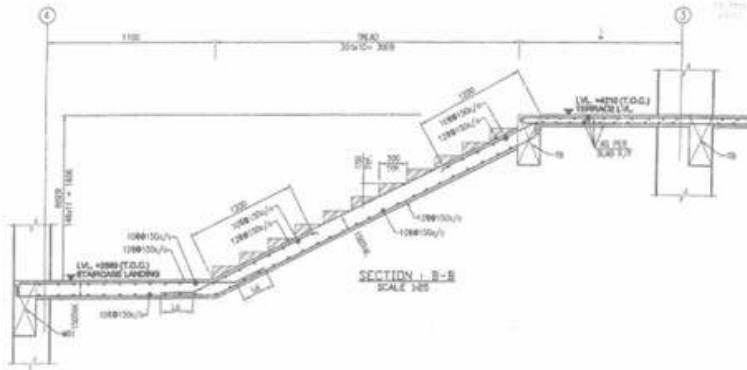
SHEET 06 OF 01

(LVL. 1 TO LVL. 2)
(LVL. 2 TO LVL. 3)

STAIR DETAIL FOR SLAB



STPS. 2L 8Φ AT 130 CRS
STPS. 2L 8Φ AT 180 CRS



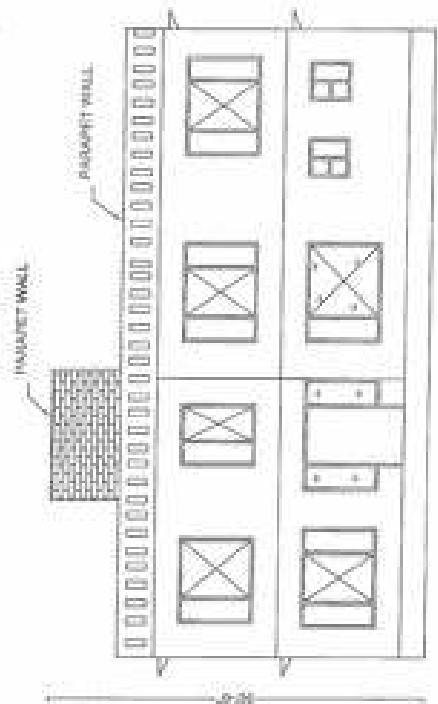
DRG. TITLE
STAIR DETAIL

J&K STATE AGRO. INDUSTRIES DEVELOPMENT CORPORATION LTD. KATHUA, JAMMU. (INDIA)

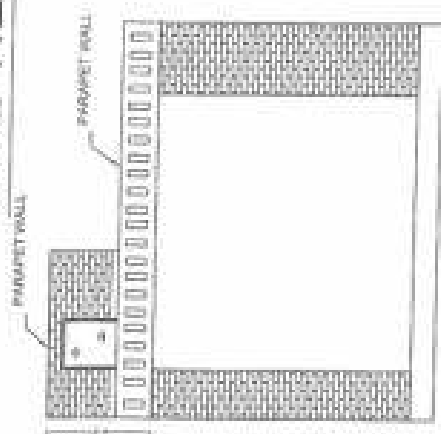
DEALT BY
SAMPDA

DATE -20-01-2023

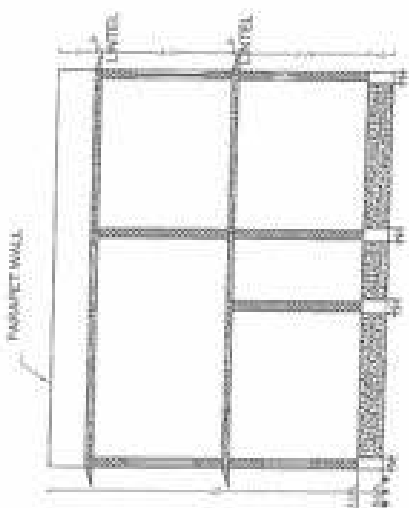
DWG - 08



SIDE VIEW



FRONT ELEVATION



SECTION A-A'

PROJECT

GROUND FLOOR PLAN
FOR JSA STATE AGRO-
INDUSTRIES
DEVELOPMENT
CORPORATION LTD,
KARTHA, JAMSHEDPUR

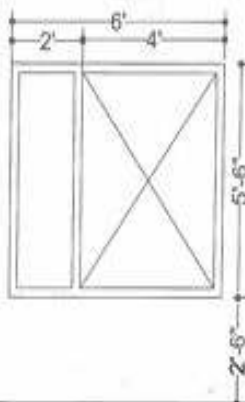
AAA-2

DATE: 10/10/2023
SCALE: 1/100

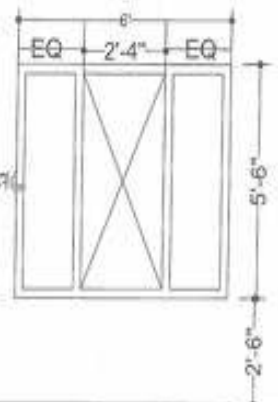
DATE: 10/10/2023
SCALE: 1/100

RAJESH GUPTA ASSOCIATES

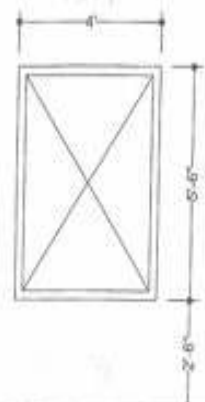
22/20/02/001, JAMSHEDPUR



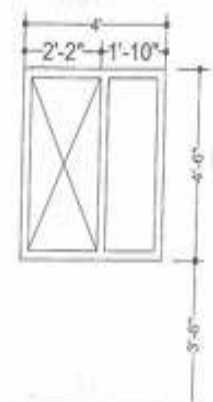
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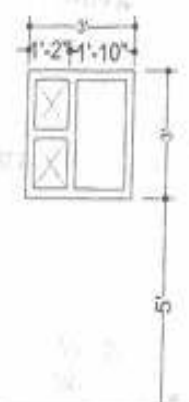
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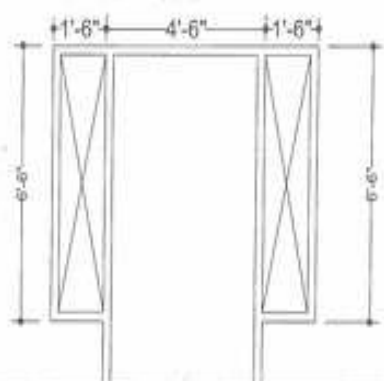
W3 = 4.NO.



W4 = 1.NO.



V1 = 3.NO.



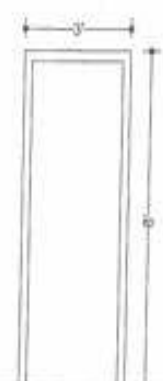
D1 = 1.NO.



D2 = 3.NO.



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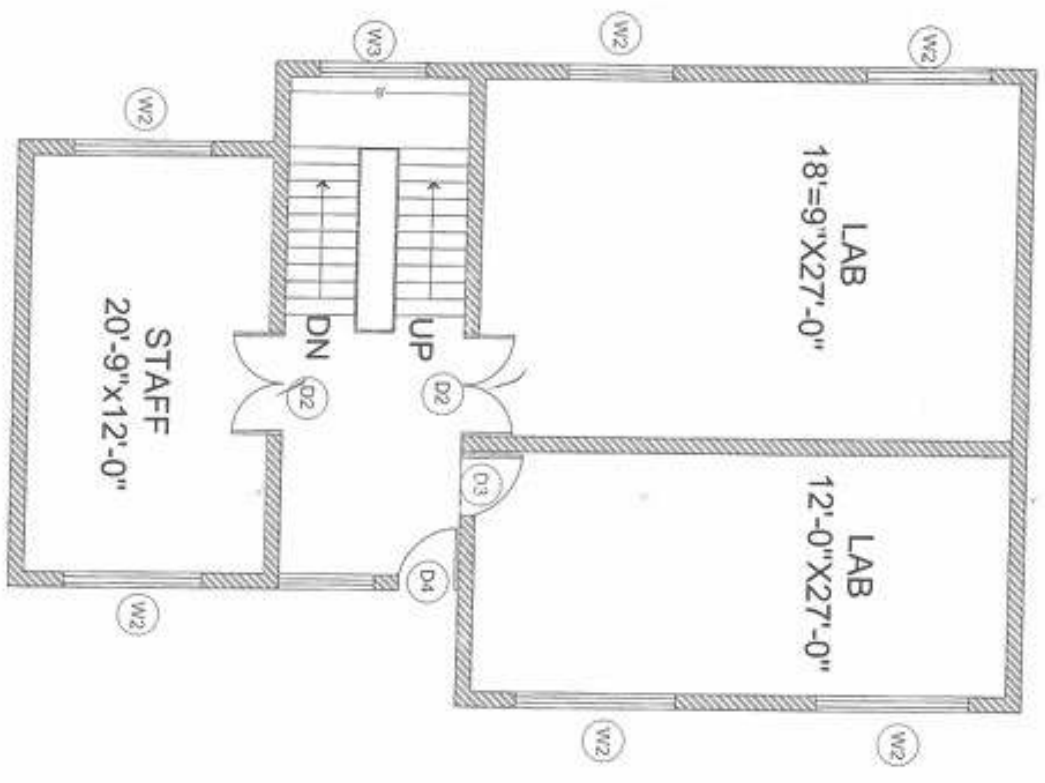


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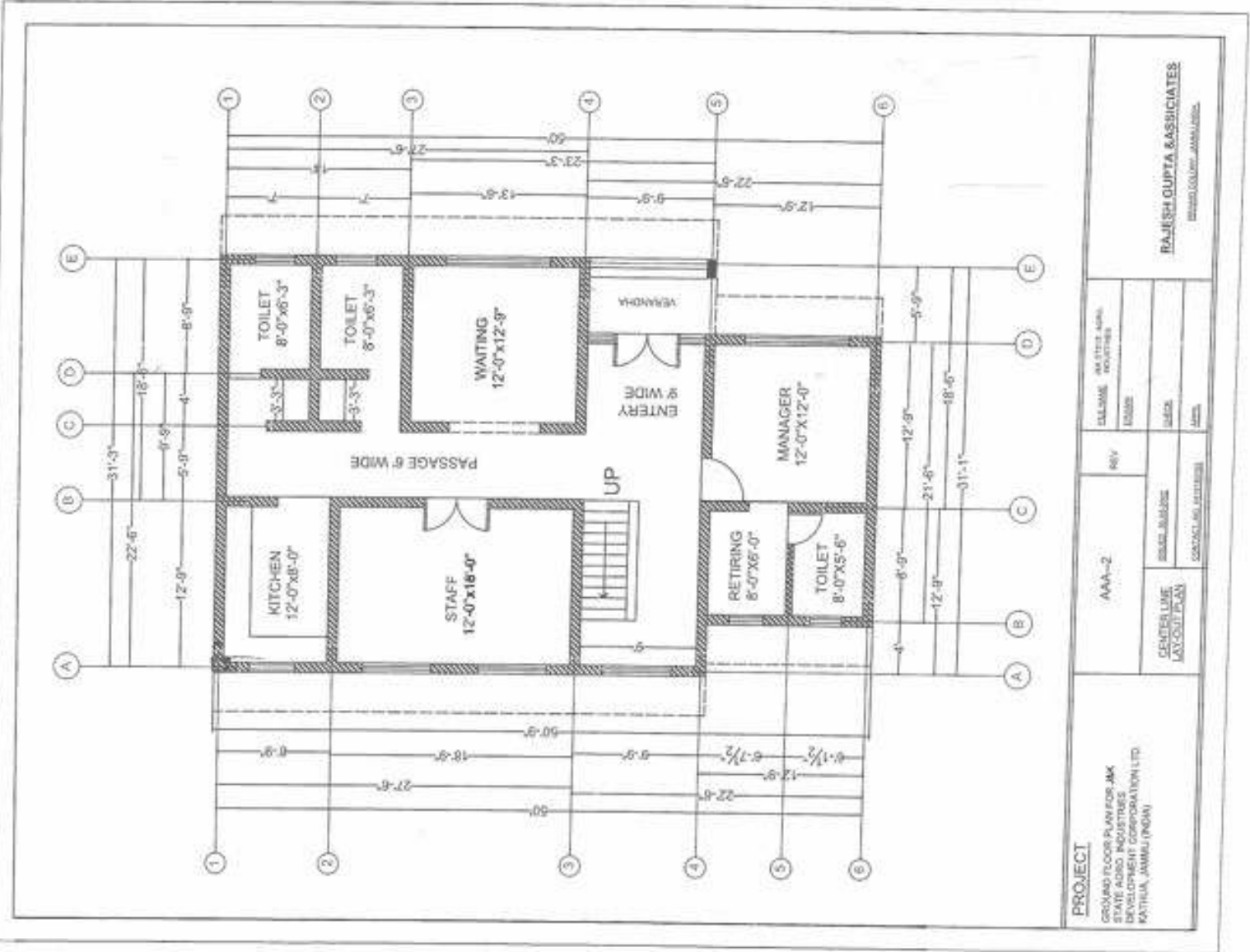
D5 = 3.NO.

DOOR WINDOW DETAILS



PROJECT
 ARCHITECTURAL PLAN FOR JAM SHAH AZAD
 NATIONAL ENVIRONMENT CORPORATION LTD.
 KUTUBA JAMSHEDPUR

AAA-2	REV	DATE	BY	RAJESH GUPTA ASSOCIATES BHOPI BANGLOW
		20/08	DATE	
COORDINATION SHEET	SCALE	DATE	BY	
(SHEET NO. 01/01)				



PROJECT GROUND FLOOR PLAN FOR MK STATE AEREO INDUSTRIES DEVELOPMENT CORPORATION LTD KATHUA, JAMMU (INDIA)	AAA-2		REV	DATE	BY	CHKD	DATE
	CENTERS LINE LAY-OUT PLAN		SCALE	DATE	BY	CHKD	DATE
RAJESH GUPTA & ASSOCIATES ARCHITECTS			CONTACT NO. 9876543210				

ANNEXURE "B"

**LIST OF DOCUMENTS TO BE SCANNED AND UPLOADED WITHIN THE PERIOD OF BID
SUBMISSION**

- 1. Cost of tenders' documents in the shape of Bank Receipt in f/o J&K Agro Industries Development Corp. Ltd bearing Acc No. CD-0097010100000962, IFSC Code- JAKA0TNHALL.**
- 2. Copy of PAN card.**
- 3. Latest income tax return for the year 2023-2024**
- 4. Copy of GST Registration Certificate/With latest return for the year 2023-2024**
- 5. Experience certificate: Similar Nature of works.**
- 6. Tender documents(SBD) duly signed & stamped on each leaf should also be uploaded.**
- 7. EMD in the shape of FDR/CDR.**
- 8. Turnover Certificate.**
- 9. Notarized Affidavit as per Annexure C**
- 10. Bid Acceptance as per Annexure D**
- 11. Copy of MoU with registered Principal Manufacturer of Machineries (as per Annexure E) in case the contractor/Bidder has not its own Manufacturing Unit.**

**Sd/-
Divisional Manager
P&S Division, Jammu
JK Agro Industries Corporation Ltd.**

ANNEXURE "C"

Affidavit on correctness of information furnished with the Bid

(On an affidavit worth Rs. 10/-)

Name of Work: - _____

1/ I/We, the undersigned, do hereby certify that all the statements made in the required attachments are true and correct.

2/ The undersigned also hereby certifies that neither our firm M/s _____ have abandoned any work on National Highways in India /any other work of state Government or central Govt. nor any contract awarded to us for such works have been rescinded, during last five years prior to the date of this bid.

3/ That my/our firm has not been blacklisted or debarred in any state or central Govt. Department Neither my/our firm has any history of litigations.

4/ In case the contract for the work is awarded in my/our favour I/we shall invest a minimum cash up to 25% of value of the contract during the implementation of work.

5/ I/We authorize the department to seek references from our bankers
Name of bank is _____ Branch _____ Account No. _____

6/ The undersigned hereby authorize (s) and request (s) any bank, person, firm or Corporation to furnish pertinent information deemed necessary and requested by the Department to verify this statement or regarding my (our) competence and general reputation.

7/ The undersigned understand and agrees that further qualifying information may be requested and agrees to furnish any such information at the request of the Department/Project implementing agency.

8/ The undersigned is submitting the bid after conducting site visit assessing site condition as per NIT, the leads & carriages, the weather condition & by accepting all the condition of tender documents

9/ That undersigned declare that neither I am, nor any other partner of my firm is PRI member (**Chairperson, DDC, BDC, Sarpanch, Panch etc.**).

I/We solemnly affirm that the information given in the bid is correct to the best of my knowledge and belief and nothing of any sort has been concealed.

Note: Affidavit to be notarized.

(Signed by an Authorized Officer of the Firm)

Title of Officer

Name of Firm

Date:.....

Valid Email-ID.....

Whatsapp No.....

Mobile No..... –

J&K Agro Industries Development Corporation Limited
ANNEXURE "D"
Bid Acceptance Form

Enit No.:45 of 2024-25 JK Agro

However, the following conditions are reconfirmed as under: -

1. Payment clause

Terms of payment: -

As per Annexure of e-NIT ITEM -9

(Yes/No)

2. Delivery/Completion period

12 months

(Yes/No)

3. Warranty Clause

12 months from the date of handing over the project

(Yes/No)
.....

4. Bid Validity period

Valid for a period of 180 days from the date of opening of tenders

(Yes/No)
.....

5. Terms and conditions

As per Annexure "A" of e-NIT

Yes/No)
.....

Note: In case of any deviation from any of the terms and conditions of the e-NIT, the same shall have to be given on company/firm/contractor's Letter Head giving full details and technical reasons.

Seal & signature of the Tenderer

ANNEXURE "E"
(on stamp paper of Rs 100)

**Memorandum of Understanding between M/s _____ (The Tenderer and M/s _____
(Principal Manufacturer of Machineries)**

I. Whereas M/S _____ (The Tenderer) herein referred as Party of the 1st Part intends to participate in Nit no. ___ of Jammu and Kashmir Agro Industries Development Corporation Limited.

II. Whereas, as per the terms of the NIT the tenderer/contractor in case he himself is not Machineries Manufacturer needs to have a confirmed backend Supply, Erection Installation and Commission of Establishment of Poultry and Fish feed plant Machineries manufacturer.

III. Whereas, now in reference to the said clause of the NIT. Party of the 1st part _____ has approached Party of the 2nd Part M/S _____ **Principal Manufacturer of Machineries** to jointly workout arrangement Supply, Erection Installation and Commission of Establishment of Poultry and Fish feed plant Machineries as per Technical Drawing of the said NIT No. _____

IV. Whereas the Party of the 2nd Part i.e M/S _____ (**Principal Manufacturer of Machineries**) has agreed to be part of the arrangement for Supply, Erection Installation and Commission of Establishment of Poultry and Fish feed plant Machineries as per Technical Drawing of the said NIT No. _____

V. Whereas the Party of the 1st Part and Party of the 2nd Part has mutually decided to be jointly responsible to JK AIDCL for quality of Machineries and its compliance with technical specification of NIT _____.

Witness

Party 1

1. _____

2. _____

Party 2

ANNEXURE- "F"

Bid Securing Declaration Form

Date: _____

Tender No. _____

To
.....
.....

I/ We. The undersigned, declare that:

I/We understand that, according to your conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/ We may be disqualified from bidding for any contract with you for a period of one year from the date of notification if I am/ We are in a breach of any obligation under the bid conditions, because I/We

- a) have withdrawn/modified/amended, Impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or
- b) Having been notified of the acceptance of our Bid by the purchaser during the period of Bid validity (i) fail or refuse to execute the Contract, if required, or (ii) fail or refuse to furnish the Performance security, in accordance with the Instructions to Bidders.

I/ We understand this Bid Securing Declaration shall cease to be valid if I am/ We are not the successful bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or(ii) thirty days after the expiration of the validity of my/our Bid.

Signed:

In the capacity of.....

Name:.....

Duly authorized to sign the bid for an on behalf of (insert complete name of Bidder)

Dated on _____ day of _____ (Insert date of signing)
Corporate Seal (where appropriate)