



COIR BOARD

Scheme of Fund for Regeneration of Traditional Industries (SFURTI)
(Ministry of Micro, Small and Medium Enterprises, Govt. of India Project)

Society for National Excellence and Higher Achievement (SNEHA)
(Implementing Agency for Rajkanika Coir Cluster)

HIG 228 ,Kananbihar phase - 1, Post - Patia, Bhubaneswar ,
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Email: ngosneha228@gmail.com, www.rajkanikacoircluster.in

NIT No. 3/RAJKANIKA/2020

Date: 17.07.2020

RE-TENDER NOTICE

Sealed Tenders are invited by M/s **Society for National Excellence and Higher Achievement (SNEHA) the Implementing Agency (IA) of Rajkanika Coir Cluster**, from Registered Contractors for Construction of Five work sheds at (i) Akhulipada (ii) Akhulipada (iii) Pandarukoli (iv) Nuagaon (v) Kujjipur village, Rajkanika Block, Kenderapara District), Odisha under the **Scheme of Fund for Regeneration of Traditional Industries (SFURTI)** of Coir Board, Ministry of MSME, Government of India with financial assistance from Government of India.

The details of Tender conditions and terms can be downloaded from the website www.rajkanikacoircluster.in, www.coirboard.org, www.apitco.org, www.diodisha.nic.in

Bid Reference	:	RCC/2/2020
Date of placing of bidding document on website	:	17.07.2020
Pre-Bid meeting	:	22.07.2020 at 3.00 PM At office of the Regional Office Coir Board, Udyogpuri, Jagamara, Khandagiri, Bhubaneswar, Odisha – 751030
Queries/Clarifications answered by	:	24.07.2020
Last date and time for receipt of Bids	:	5.00 PM, 30.07.2020
Time and date of opening of Technical bid	:	11.00 AM, 31.07.2020
Time and date of opening of Financial bid	:	To be Confirmed later
Address for Communication	:	The Secretary Society for National Excellence and Higher Achievement (SNEHA), HIG 228 , Kananbihar, phase - 1, Post - Patia, Bhubaneswar, Dist - Khurdha, Odisha , PIN – 751031 Email: ngosneha228@gmail.com Mob : 94372 68044, 7978152533
OFFICER INVITING BIDS		The Secretary, SNEHA

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RE-TENDER FOR CONSTRUCTION OF 5 WORK SHEDS FOR COMMON FACILITY CENTRES OF RAJKANIKA COIR CLUSTER, KENDERAPARA DISTRICT, ODISHA

1. PREAMBLE

Scheme of Fund for Regeneration of Traditional Industries (SFURTI), the scheme of Ministry of MSME, Government of India envisages development of clusters to organize the traditional industries and artisans for their long term sustainability and economy of scale. Coir Board, the Nodal Agency of coir based industries clusters, has obtained approval for the development of Rajkanika Coir Cluster under SFURTI.

The scheme specifies the following institutional arrangement at the operational level:

- a) Special Purpose Vehicle (SPV) is formed to develop and manage the cluster
- b) An Implementing Agency (IA) is appointed to undertake scheme implementation
- c) Technical Agency (TA) is designated to assist and guide the scheme implementation

M/s. SNEHA, Implementing Agency for Rajkanika Coir Cluster having the administrative office at HIG 228, Kananbihar, phase - 1, Post - Patia, Bhubaneswar, Dist - Khurda, Odisha, India, PIN – 751031, propose to establish a Common Facility Centres (5 CFCs) at different 5 locations of Kenderapara District, Odisha with the financial assistance from Government of India under SFURTI.

The scheme envisages establishment of upgraded production infrastructure, as the Common Facility Center (CFC), for the manufacturing of coir products and stipulates the work sheds construction and machinery procurement for the establishment of CFC should adhere the General Financial Rules (GFR) of Government of India. Accordingly, the tender procedures are being undertaken for the construction of CFC work sheds and procurement of machineries.

M/s.Rajkanika Coir SPV Trust, the Special Purpose Vehicle (SPV) of Rajkanika Coir Cluster, having the administrative office at HIG-228, Khanan Vihar, Phase-1, Post – Patia, Bhubaneswar, Khurda District, Odisha propose to establish a Common Facility Centres (CFC) at Rajkanika Block, Kenderapara District with the financial assistance from Government of India under SFURTI.

In this context, M/s SNEHA invites sealed tenders from Civil contractors in “Two Cover System” for the construction of 5 Common Facility Centres Work Sheds for Rajkanika Coir Cluster through transparent bidding process. The Re-Tender notification has been published fixing the date of opening of tender on 31.07.2020 at 11.00 AM.

2. SCOPE OF WORK

- a) The successful tenderer should undertake construction of 5 work sheds at different locations i) Akhulipada (ii) Akhulipada (iii) Pandarukoli (iv) Nuagaon (v) Kujjipur village, Rajkanika Block of Kenderapra District, Odisha as per the drawings, Work Specifications and Quantities given in **Annexure-I**.
- b) The successful tenderer should complete the construction of 5 work sheds within 90 days from the date of receipt of Work Order.
- (c) The tender comprises of 5 schedules (5 Nos.of Work Sheds). The tenderer can bid one or more Schedules (Works). Tender for each schedule (Work) has to be submitted separately and each schedule (Work) will be considered as separate tender. Bidders who apply multiple schedules (Works) shall comply with the conditions and clauses pertaining to the respective Schedules (Works) and shall submit the bid for each schedule (Work) separately. The drawings, Schedule (Work) Specifications & Quantities of each Work Shed are given in **Annexure I**.

S. No.	Name of the Work	Earnest Money (Rs.) (EMD)	Time Allowed for Completion (Months)	Total Estimated Value for Civil Works (Rs. in lakhs)
1	Construction of Work Shed for Coir, Yarn, Mat & Geo-Textile Making (0.5 Mm Thick Gi Coloured Industrial Sheet Roof Shed with Ms 75 mm And 50 Mm Pipe Section Truss Support below Roof Shed) (50' X 30') At Akhulipada (V) Rajkanika Block, Kenderapara District, Odisha.	Rs.28,000/-	3 months	13.78
2	Construction of Shed For Raw Material Bank & Fibre Extraction (Swarna) (0.5 mm Thick GI Coloured Industrial Sheet Roof Shed With Ms 75 mm and 50 Mm Pipe Section Truss Support Below Roof Shed) (40' X 25') Akhulipada (V) Rajkanika Block, Kenderapara District, Odisha.	Rs.19,000/	3 months	9.09
3	Construction of Work Shed for Coir Yarn & Mat Making (0.5 mm Thick GI Coloured Industrial Sheet Roof Shed With MS 75 mm and 50 mm Pipe Section Truss Support Below Roof Shed) (40' X 25') at Plot No.209/608, Pandarukoli (V), Rajkanika Block, Kenderapara District, Odisha	Rs.19,000/	3 months	9.09

S. No.	Name of the Work	Earnest Money (Rs.) (EMD)	Time Allowed for Completion (Months)	Total Estimated Value for Civil Works (Rs. in lakhs)
4	Construction of Work Shed For Coir yarn & Mat Making (0.5 mm thick GI Coloured Industrial Sheet Roof Shed With Ms 75 mm and 50 mm Pipe Section Truss Support Below Roof Shed) (50' X 20') Plot No.2211, Khata No.300, Mouza: Kissam Gharabari Nuagaon (V), P.S: Rajkanika District-Kenderapara, Odisha	Rs.19,000/	3 months	9.09
5	Construction of Work Shed For Coir Yarn & Mat Making (0.5 mm thick GI Coloured Industrial Sheet Roof Shed With MS 75 mm and 50 mm Pipe Section Truss Support Below Roof Shed) (40' X 25') at Kujjipur (V) Rajkanika Block, Kenderapara District, Odisha	Rs.19,000/	3 months	9.09

3. QUALIFICATION CRITERIA

Clause	Qualification Criteria	Supporting Document
a)	The tenderer should be a registered legal entity.	(i) In case of Private/Public Limited Companies, <ul style="list-style-type: none"> • Copy of Incorporation Certificate issued by the Registrar of Companies & • Copy of Memorandum and Articles of Association (ii) In case of Partnership Firm, <ul style="list-style-type: none"> • Registered Partnership deed (iii) In case of Proprietorship Firm, Copy of GST Registration Certificate
b)	The tenderer should be an eligible Civil Contractor	(i) Valid Registration Certificate from PWD/ CPWD/Highways dept and State & Central Government Departments (ii) Valid registration of GST
c)	The tenderer should have at least 3 years of experience (as on 31 st January 2020) as Civil	(i) Work orders issued by clients (ii) Performance certificate issued by

Clause	Qualification Criteria	Supporting Document
	contractor.	clients (iii) List of construction works executed in last 3 years as per Annexure-V
d)	The Bidder must have successfully completed similar works during last 3 years of an equal quantity or value of works.	(i) Work orders issued by clients (ii) Performance certificate issued by clients
e)	The Bidder must have an average annual turnover in the last 3 years at least 50% of the estimated cost (In case of bidders participating for multiple schedules, the average annual turnover should be at least 50% of the cumulative estimated cost) and also must have a positive net worth as certified by a Chartered Accountant. (i.e. 2016-17, 2017-18 and 2018-19).	(i) The average annual turnover statement duly certified by Chartered Accountant as per Annexure IV (ii) The Annual Report/certified copies of Balance Sheet, Profit & Loss statement along with schedules for the last 3 consecutive financial years
f)	The tenderer should not have been blacklisted for supply of any items or services by any Government departments/agency	The declaration form as per Annexure VI should be enclosed.

4. LANGUAGE OF THE TENDER

The Tender prepared by the Tenderer as well as all correspondences and documents relating to the Tender shall be in English language only. If the supporting documents are in a language other than English, the notarized translated English version of the documents should also be enclosed.

5. PURCHASE OF TENDER DOCUMENTS

5.1 The tender document shall be downloaded from, www.coirboard.org, www.apitco.org, at free of cost. The tenderer should give a declaration for not having tampered the Tender document downloaded from Internet (as per Annexure-VII).

5.2 The tender document can be downloaded from 17th July to 30th July 2020.

6. PRE-BID MEETING

There will be a pre-bid meeting on **22nd July, 2020 at 3.00 PM** at **office of the Regional Office Coir Board, Udyogpuri, Jagamara, Khandagiri, Bhubaneswar, Odisha – 751030** during which the prospective tenderer can be clarifications about the tender. The tenderers shall send their queries in writing if any so as to reach M/s SNEHA at least two days prior to the pre-bid meeting date. The tenderers may also check www.coirboard.nic.in, www.apitco.org not be able to identify and communicate with the prospective bidders at this stage. Non attending of pre-bid meeting is not a disqualification.

7. CLARIFICATION ON THE TENDER DOCUMENT

The tenderers may ask for queries in any of the clauses in the tender document after 48 hours of the Pre-Bid meeting. Such queries must be sent in writing to M/s SNEHA, HIG 228, Kananbihar, phase - 1, Post - Patia, Bhubaneswar, Dist - Khurdha, Odisha, India or by email to ngosneha228@gmail.com. IA will upload the clarification on www.coirboard.nic.in, www.apitco.org. It is binding on the part of tenderers to check the above said websites for any amendments or clarifications posted during the entire tender process.

8. AMENDMENT OF TENDER DOCUMENT

M/s SNEHA whether on its own initiative or as a result of a query, suggestion or comment of an applicant or Respondent, may modify the tender document by issuing an addendum or a corrigendum at any time before the opening of the tender, with the concurrence of the tender committee. Any such addendum or corrigendum will not be published in newspaper and instead be uploaded on, www.coirboard.nic.in, www.apitco.org and the same will be binding on all applicants or Respondents or Tenderers, as the case may be.

9. AUTHORISATION OF THE TENDERER

The Tender should be signed on each page by the Tenderer or by the person who is duly the case may be.

10. PRE-VISIT TO SITE

The tenderer, on his/her own responsibility, risk and cost, is advised to visit and examine the site conditions of works at (i) Akhulipada (ii) Akhulipada (iii) Pandarukoli (iv) Nuagaon (v) Kujjipur village, Rjakanika Block, Kenderapara District and its surroundings and obtain all information that may be necessary for preparing the bid and entering into a contract for the work(s) as mentioned in the Annexure (I).

11. SPECIFIC INSTRUCTIONS TO BIDDERS/CONTRACTORS FOR QUOTING OF RATES

11.1 The contractors are requested to read the detailed specification and quote the rates clearly in the Price bid. Quoting the rates in the Price bid will only be taken up for comparison and shall be final.

- 11.2 The tenders invited are based on item wise specifications & quantities mentioned in the Tender document. Any lumpsum deductions or increase or rebate offered either in the tender or in the covering letter or at any portion of the tender will be ignored and only the rates offered in the Price bid alone will be taken as valid rates and taken up for tender comparison. Rates or Lumpsum amounts for items not called for shall not be included in the tender. Any alteration made by tenderer in the contract form, the conditions to Contract, the drawings, specification, or quantities accompanying the same will not be recognized and if any such alterations are made the tender will be void.
- 11.3 The tenderer / contractor will make his/her/their own arrangements to procure and use ISI Brand Cement and ISI Brand steel required for the work.
- 11.4 It should be clearly understood that the rate quoted by the tenderer/ contractor is inclusive of incidental charges such as conveyance, loading, unloading, stacking at site and testing charges etc., Tenderer/contractor should make his own arrangements for water required for the works to be executed.
- 11.5 The tenderer/contractor have to make own arrangements for drawing electricity power from nearest power line after obtaining permission from the Power Supply Authority at his own cost. In case of failure of electricity, the contractor has to make alternate arrangements
- 11.6 The tenderer / contractor will produce test certificate obtained from any one of the Govt. institutions for cement and steel brought to site. And only when the test results confirm to the ISI specification they will be allowed to be used in the works.
- 11.7 The tenderer / Contractor should strictly follow above instructions without fail.
- 11.8 The tenderer/contractor should submit bills of quantities for each work executed and M.Book to be maintained.

12. SUBMISSION OF TENDER IN TWO COVER SYSTEM

- 12.1 Every page of the terms and conditions of the tender document should be signed and enclosed with tender, in token of having accepted the tender conditions. Failing which the tender will be rejected summarily.
- 12.2 Tenders should be submitted in two parts:
- a) Part – I will cover Technical Bid and
 - b) Part – II will cover Price Bid
- 12.3 Tenderers should ensure submission of all documents along with Part-I and Part-II proposal as per the Check List given in **Annexure – X**.
- 12.4 Tenderers are requested to submit Part-I and Part-II in a separate sealed covers. Part-I cover to be superscripted as “Part I – Technical Bid” and Part II cover to be

superscripted as “Part II – Price Bid” respectively. These two parts namely Part-I and Part-II must be placed in a separate sealed cover superscripted as “**Rajkanika Coir Cluster – Re-Tender for Construction of 5 Work Sheds in Rajkanika Block, Kenderapra District, Odisha**” and addressed to “The Secretary, M/s SNEHA HIG 228, Kananbihar, phase - 1, Post - Patia, Bhubaneswar, Dist - Khurdha, Odisha, India, PIN – 751031, Odisha, India.” Containing the name and address of the Tenderer. **Tenders submitted without sealed cover would summarily be rejected.**

- 12.5 Tenders should be dropped only in the tender box kept at “The Secretary, M/s SNEHA HIG 228, Kananbihar, phase - 1, Post - Patia, Bhubaneswar, Dist - Khurdha, Odisha, India, PIN – 751031, Odisha, India.” On or before at 3.00 PM on 7th July, 2020. Tenders will not be received by hand.
- 12.6 Alternatively, the tenders can be submitted through registered post or courier so as to reach the above address on or before 3.00 PM on 7th July 2020. Tenders received after the specified time will not be considered and M/s SNEHA will not be liable or responsible for any postal delays.
- 12.7 A tender once submitted shall not be permitted to be altered or amended.

13. EARNEST MONEY DEPOSIT

- 13.1 The tender should be accompanied by an Earnest Money Deposit (EMD) to the value specified as in the form of Demand Draft drawn on any Indian Nationalized/Scheduled Commercial Bank in favour of HI Account – “M/s SNEHA payable at Bhubaneswar, Odisha. The EMD in any other form will not be accepted. The Earnest Money Deposit will be returned to the unsuccessful Tenderers.
- 13.2 EMD will be retained in the case of successful Tenderer and it will not earn any interest and will be dealt with, as provided in the terms and conditions of the tender.
- 13.3 Any request of the tenderer, under any circumstances claiming exemption from payment of EMD will be rejected and their Part II price offer will not be opened.
- 13.4 The amount remitted towards EMD is liable to be forfeited in case the Tenderer fails to undertake the contract after submission of the tender or after acceptance of the offer by M/s SNEHA.

14. VALIDITY

The rate quoted in the Tender should be valid for the acceptance by the Tender Committee, for a minimum period of 90 days from the date of opening of the Tender. The accepted rate is valid till the entire contract is completed. Escalation in the rate will not be entertained under any circumstances.

15. OPENING AND EVALUATION OF THE TENDER

- 15.1 The tenders received up to 5.00 PM as per the office clock on 30th July, 2020 will be taken up for opening. Tenders received after specified date and time will not be accepted. The Tender will be opened by the Tender committee at 11.00 AM on 31st July, 2020) in the presence of the available Tenderers/representatives of the Tenderers who choose to be present. The Tenderers or their representatives are allowed to be present at the time of opening of the tenders. The representatives of the tenderer have to submit authorization letter to the committee.
- 15.2 Tender committee will inform the attested and unattested corrections, before the Tenderers and sign all such corrections in the presence of the Tenderers. If any of the Tenderers or agents is not present then, in such cases the Committee will open the tender of the absentee Tenderer and take out the unattested corrections and communicate it to them. The absentee Tenderer should accept the corrections without any question whatsoever.
- 15.3 If the date fixed for opening of the tender happens to be a Government Holiday, the tenders will be opened on the next working day.
- 15.4 The Technical bid will be evaluated by Tender Committee in terms of the qualification Criteria. Tender Committee reserves the right to disqualify any of the tender if is not satisfied with the documents furnished.
- 15.5 After the completion of evaluation of technical bids, the tenderers declared as qualified by the Committee, will be informed the date of opening of Price bid (Part II).

16. PRICE OFFER

- 16.1 The Price bid should be kept only in the Part II cover.
- 16.2 The price bid should be prepared as per Annexure-IX.
- 16.3 The price should be neatly and legibly written both in figures and words.
- 16.4 In case of discrepancy between the prices quoted in words and figures lower of the two shall be considered.
- 16.5 If a bidder quotes NIL charges/consideration, the bid shall be treated as unresponsive and will not be considered.
- 16.6 Part-II bid should not contain any commercial conditions. Variation in the commercial terms and conditions of the tender will not be accepted.

17. EVALUATION OF THE PRICE

- 17.1 The Tender committee will examine for complete, properly signed and error-free nature of the Price Bid (Part-II).

17.2 The comparison of the rates offered shall be based on the total all inclusive rates offered (i.e. sum of all inclusive rate offered for all the tendered items)

18. AWARD OF CONTRACT

18.1 The Tenderer who has quoted lowest price (L1) will be invited for negotiations. After finalizing the negotiated rate, Letter of Acceptance will be issued.

18.2 In unavoidable circumstances, such as receipt of very limited bids or the proposal prices are substantially higher than the market value / updated cost estimate or available budget, the committee may decide upon resorting to Negotiation with the lowest evaluated responsive bidder. In such cases, the Tenderer who has quoted lowest price (L1) will be invited for negotiations and after finalizing the negotiated rate, Letter of Acceptance will be issued.

19. SECURITY DEPOSIT

19.1 On receipt of the Letter of Acceptance from the M/s SNEHA, the successful Tenderer should remit a Security Deposit (SD) of 5% of the value of the contract, by way of either Demand Draft drawn on any scheduled commercial bank in favour of HI Account "SNEHA", payable at Bhubaneswar, Odisha or irrevocable Bank Guarantee in favour of M/s SNEHA" with a validity period of 12 months, within 10 (Ten) working days from the date of receipt of letter of acceptance. The EMD shall be adjusted with SD.

19.2 Any other amount pending with M/s SNEHA will not be adjusted under any circumstances, against the Security Deposit if so requested.

19.3 If the Security Deposit amount is not paid within the time specified, the EMD remitted by the Tenderer shall be forfeited, besides cancelling the communication of acceptance of the Tender.

19.4 Security Deposit amount remitted will not earn any interest.

20. AGREEMENT

The successful tenderer should execute an agreement as may be drawn up to suit the conditions on a non-judicial stamp paper of value, as prescribed in law on the date of remittance of Security Deposit and shall pay for all stamps and legal expenses incidental thereto. In the event of failure to execute the agreement, within the time prescribed, the EMD/Security Deposit amount remitted by the tenderer will be forfeited besides cancelling the Tender.

21. ISSUE OF WORK ORDER

After payment of Security Deposit and successful execution of the agreement, Work Order will be released within 10 days by the IA. The successful tenderer should complete the construction of Work Sheds within 90 days from the date of receipt of Work Order.

22. DEFECT IDENTIFICATION AND IT'S RECTIFICATIONS

- 22.1 Defect Liability period shall be 6 months from the date of the completion of work. Any defect arising in the work in guarantee period due to faulty workmanship and faulty materials should be rectified by contractor at his own cost.
- 22.2 Any deficiency in concreting such as cracking, excessive honeycombing, exposure of reinforcement or other fault which entail replacement of the defective part by fresh concrete and whatsoever remedy reasonable required without hampering the structural safety and architectural concept, all at the cost of contractor.
- 22.3 The successful tenderer should submit bank guarantee equivalent to 10% of the total value of contract valid for 6 months towards Defect Liability.

23. EMPLOYMENT OF TECHNICAL ASSISTANTS

- 23.1 The tenderer shall employ qualified technical persons at his cost to supervise the work and the tenderer should ensure the presence of the technical persons at the site of work during working hours, monitoring all items of works and paying extra attention to such works as may demand special attention.
- 23.2 A movement register should be opened and maintained for Technical persons employed by the Contractor. The Technical persons should note the arrival and the departure timings every day along with their initials in a register. Such Register should be produced during inspection of the Inspecting Officers (Tender committee members).

24. PAYMENT TERMS

- 24.1 **20% of the contract value** will be paid on completion of Foundation level works and submission of Stage level completion certificate by a Chartered Engineer, based on the inspection report by Tender Committee.
- 24.3 **40% of the contract value** will be paid on completion of roof level works and submission of Stage level completion certificate by a Chartered Engineer, based on the inspection report by Tender Committee.
- 24.4 **35%** will be released on completion of the remaining works
- 24.5 **5% and Security Deposit** will be released only after satisfactory completion of the entire contract based on the inspection report by Tender Committee and submission of Chartered Engineer's work completion & valuation certificate and bank guarantee equivalent to 10% of the total value of contract valid for 6 months towards Defect Liability.
- 24.5 IA also reserves the right to recover any dues from the tenderer, which is found on later date, during audit/excess payment, after final settlement is made to them. The successful tenderer is liable to pay such dues to the IA immediately on demand, without raising any dispute /protest.

25. PENALTY

- 25.1 Failure to execute the entire contract within 90 days from the date of issue of work order will attract a penalty of 1% per week, on the full value of the contract up to a maximum of 5%. Delays beyond that period will be viewed as violation of the contract terms and will be dealt accordingly.
- 25.2 Implementing agency reserves the right to inspect the site at any point of time during the contract period to ensure the progress and quality of work carried out. During the inspection, if any discrepancies found in the quality of work / material used, the IA, with the approval of the tender committee, reserves the right to order for any rework(s) / replace any item(s) of material, as the case may be, in order to ensure the quality of work / progress as per the contract terms.
- 25.3 All the materials used for construction shall be first use, new, high quality material. Old or Used materials will not be accepted and if found, the decision of Committee, either for rework / replace / deduction in payment shall be binding on the contractor.
- 25.4 Any delay on the part of IA should be intimated and sorted out immediately without affecting the progress of works.

26. TERMINATION OF CONTRACT

IA reserves the right to terminate the contract at any time during the validity period on account of non-fulfillment of contract or for any of the reasons.

27. GENERAL CONDITIONS

- 27.1 The Bidders can quote for any no. of Schedules (Works) (one or many) as per their choice.
- 27.2 Bidders would be required to submit their bids in the paper form only.
- 27.3 Conditional tender in any form will not be accepted.
- 27.4 Any notice regarding any matters, to the contractor shall deemed to be sufficiently served, if given in writing to his usual or last known place of business.
- 27.5 Tender committee reserves the right to relax or waive or amend any of the tender conditions.
- 27.6 The successful tenderer shall not outsource/off load either full or part of the work to any other agency / individual.
- 27.7 If the performance of the tenderer is not as per the schedule, then tender committee reserves the right to cancel / reallocate full or part of the contract, at any stage of the contract execution.

- 27.8 Insurance – The Contractor/supplier shall provide, in the joint names of the Implementing Agency and the contractor/supplier, insurance cover from the Start Date to the end of the Defects Liability Period i.e., 6 months after completion for the following events which are due to the Contractor/supplier’s risks.
- a) loss of or damage to the Works, Plant and Materials;
 - b) loss of or damage to the Equipment;
 - c) loss of or damage of property in connection with the Contract; and
 - d) Personal injury or death of persons employed for construction.
 - e) Policies and certificates of insurance shall be delivered by the Contractor/supplier to the Secretary at the time of concluding agreement of the work. All such insurance shall provide for compensation to be payable to rectify the loss or damage incurred.
 - i) The contractor/supplier shall furnish insurance policy in force in accordance with proposal furnished in the Tender and approved by the Implementing Agency for concluding the agreement.
 - ii) The contractor/supplier shall also pay regularly the subsequent insurance premium and produce necessary receipt to the Engineer-in-Charge, well in advance.
 - iii) In case of failure to act in the above said manner the Implementing Agency will pay the premium and the same will be recovered from the Contractor/suppliers payments.
 - iv) Alterations to the terms of insurance shall not be made without the approval of the Engineer-in-Charge.
- 27.9 Contractor/supplier’s Risks - All risks of loss of or damage to physical property and of personnel injury and death, which arise during and in consequence of the performance of the Contract, are the responsibility of the Contractor/supplier.

28. ARBITRATION

- 28.1 In case of any dispute in the tender, including interpretation, if any on the clauses of the tender or the agreement to be executed, the matter shall be referred by M/s SNEHA/Tenderer to an Arbitrator to be appointed by the Parties hereto by mutual agreement. If no such Arbitrator could be appointed by mutual consent, the matter may then be referred to the Chairman, Coir Board for nominating an Arbitrator, the Arbitration proceedings being governed by the Arbitration and Conciliation (Amendment) Act 2015.
- 28.2 The venue of the Arbitration shall be at the Regional Office, Coir Board, Bhubaneswar. The decision of the Arbitrator shall be final and binding on both the parties to the Arbitration.

28.3 The Arbitrator may with the mutual consent of the parties, extend the time for making the award. The award to be passed by the Arbitrator is enforceable in the court at Bhubaneswar only.

29. JURISDICTION OF THE COURT

Any dispute arising out of non-fulfillment of any of the terms and conditions of this Tender/Agreement or any other dispute arising out of the arbitration award will be subject to the jurisdiction of the Courts in Bhubaneswar only.

We agree to the above terms and conditions.

SIGNATURE OF THE TENDERER

DATE:

NAME IN BLOCK LETTERS:

DESIGNATION:

ADDRESS:

TECHNICAL SPECIFICATIONS

**[INCORPORATED AS PER REQUIREMENT OF THE WORK PUT TO TENDER
WITH THE RELEVANT SPECIFICATION AND NUMBER]**

**SPECIFICATIONS & QUANTITIES
AND
PRICE BID
(Schedule – A)**

Schedule – 1A

Estimated Quantity of material for Construction of Shed for Yarn, Mat & Geo-Textile making (GI Sheet Roof Shed) (50' x 30') # Plot No.450/834, Khatiyana No.195/12, Mouza: Akhulipada, P.S: Rajkanika, District-Kenderapara, Odisha

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount	
		Nos.		L	B						D
1	2	3		4	5	6	7	8	9	10	11
1	Earth work excavation and depositing on bank (manual means) with initial lead of 10m and initial lift of 3m in Loamy & Clayey Soils like BC Soils, Red Earth & Ordinary Gravelly Soils (SS 20-B) including all operational incidental labour charges such as shoring, strutting, sheeting, planking and dewatering including cost of hire charges of T & P, labour charges etc., complete for finished item of work excluding seignorage charges and dewatering charges etc., complete for Foundation of Building.										
	F1	1	x	8	4.00	4.00	5.00	640.00			
	Basement walls										
	Long wall	1	x	2	23.00	2.00	1.50	138.00			
	Short wall	1	x	2	25.50	2.00	1.50	153.00			
								931.00	Cft	1	Cft
2	Plain Cement Concrete corresponding to M7.5 grade as per IS 456 equivalent to (1:4:8) proportion nominal mix (cement: fine aggregate: Coarse aggregate) using 40mm size Hard Blasted Granite (IS383, 1970) metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, including sales & other taxes on all materials, all operational, incidental, and labour charges such as mixing, laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete, etc., complete but excluding seignorage charges, for finished item of work for Foundations										
	F1	1	x	8	4.00	5.00	0.33	53.33			
	Basement walls										
	Long wall	1	x	2	23.00	2.00	0.33	30.36			
	Short wall	1	x	2	25.50	2.00	0.33	33.66			
	Flooring bed	1	x	1	48.50	28.50	0.33	460.75			

Sl. No.	Description of item	Measurements					QTY	Unit	Rate	Per Unit		Amount
		Nos.		L	B	D				10	11	
1	2	3		4	5	6	7	8	9	10	11	
							578.10	Cft		1	Cft	
3	Vibrated Reinforced Cement Concrete M 20 Design Mix (by weigh batching) using 20mm size (SS5) hard blasted granite machine crushed graded metal (Coarse aggregate) from approved quarry, using a minimum quantity of 350 kgs. of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of all materials including centering using Cashewrina Ballies and Wooden runners & staging including all bracings, cross members etc., shuttering , machine mixing, laying concrete, vibrating, lift charges, curing etc., complete but excluding cost of steel and it's fabrication charges for finished item of work but excluding seigniorage charges											
a	For Footings :-											
	F1	1	x	8	4.67	4.67	1.50	261.70				
							261.70	Cft		1	Cft	
b	For Pedestals :-											
	F1/P1	1	x	8	1.67	1.50	2.00	40.08				
							40.08	Cft		1	Cft	
c	For Columns : upto bottom of the plinth beam											
	C1	1	x	8	0.75	1.50	0.90	8.10				
							8.10	Cft		1	Cft	
4	Plain Cement Concrete corresponding to M5 grade as per IS 456 equivalent to (1:5:10) proportion nominal mix (cement: fine aggregate: Coarse aggregate) using 40mm size Hard Blasted Granite (IS383, 1970) metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, including sales & other taxes on all materials, all operational, incidental, and labour charges such as mixing, laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete, etc., complete but excluding seigniorage charges for finished item of work for Foundations and Flooring Bed											
	Bottom of Plinth Beam:-											
	Intermediate beams	1	x	1	28.5	1.00	0.33	9.40				
							9.40	Cft		1	Cft	

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
5	Random Rubble stone masonry, in CM (1:8) prop: (Cement: Sand) using Hard blasted Granite stones from approved quarry including cost and conveyance of all materials like Granite stones, cement, sand, water, etc., to site sales & other taxes on all materials, all operational, incidental, and labour charges such as cutting stones to required size and shape, mixing of cement mortar, constructing masonry, curing etc., complete but excluding seigniorage charges for finished item of work for foundation and basement									
	Basement wall between Columns									
		1	x	2	48.00	1.50	3.17	456.48		
		1	x	2	28.00	1.50	3.17	266.28		
								722.76	Cft	1 Cft
6	Filling with Sand Cushion under footings with initial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyance of water to the work site and all operational & incidental charges, labour charges, seigniorage charges, hire and operational charges of T & P etc., complete for finished item of work.									
	Basement filling	1	x	1	47.00	27.00	1.50	1903.50		
								1903.50	Cft	1 Cft
7	Filling with Gravel in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyance of water to the work site and all operational, incidental, labour charges, hire charges of T & P etc., complete but excluding seigniorage charges, for finished item of work.									
	Shed area	1	x	1	47.00	27.00	1.00	1269.00		
								1269.00	Cft	1 Cft

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
8	Vibrated Reinforced Cement Concrete M 20 Design Mix (by weigh batching / Mixer) using 20mm size (SS5) hard granite machine crushed graded metal (Coarse aggregate) from approved quarry, using a minimum quantity of 350 kgs. of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of all materials including centering using Cashewrina Ballies and Wooden runners & staging including all bracings, cross members etc., shuttering , machine mixing, laying concrete, vibrating, lift charges, curing etc., complete but excluding cost of steel and it's fabrication charges but excluding seigniorage charges for finished item of work									
a	For Plinth beams :-									
	Plinth beams									
	Long wall	1	x	2	50.00	0.75	0.75	56.25		
	Short wall	1	x	4	28.50	0.75	0.75	64.12		
								120.37	Cft	1 Cft
b	Columns up to roof									
	C1	1	x	8	0.75	1.50	15	135.00		
								135.00	Cft	1 Cft
c	For Roof beams; -									
	Tie beam- all round	1	x	1	160.00	0.75	1.00	120.00		
								120.00	Cft	1 Cft
9	Reinforced Cement Concrete M 20 Design Mix (by weigh batching) using 20mm size (SS5) hard blasted granite machine crushed graded metal (Coarse aggregate) from approved quarry, using a minimum quantity of 350 kgs. of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of all materials including centering using Cashewrina Ballies and Wooden runners & staging including all bracings, cross members etc., shuttering , machine mixing, laying concrete, lift charges, curing etc., complete but excluding cost of steel and it's fabrication charges but excluding seigniorage charges for finished item of work Lintels :-									
	Ground Floor									
	Rolling	1	x	1	12.00	0.75	0.33	2.97		

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit		Amount
		Nos.		L	B				D		
1	2	3		4	5	6	7	8	9	10	11
	shutters										
	RS-1	1	x	2	8.30	0.75	0.33	4.10			
	Windows	1	x	6	5.00	0.75	0.33	7.42			
								14.49	Cft		
10	Brick Masonry in superstructure with CM (1:8) prop: using Fly ASH Bricks of size 290x225x140mm with compressive of 50 Kgs / Sqcm from approved source including cost and conveyance of all materials like cement, sand, fly ash bricks, water etc., to site, including sales & other taxes on all materials, all operational, incidental and labour charges such as mixing cement mortar, constructing masonry, scaffolding charges, lift charges, curing, etc., complete but excluding seigniorage charges for finished item of work.										
	Up to Lintel level										
	Allround brick wall	1	x	1	160.00	0.75	7	840.00			
	Up to Roof level Above LL										
	Allround brick wall	1	x	1	160.00	0.75	6	720.00			
	Deuct Columns	1	x	8	0.75	1.50	15	-135.00			
	Deduct Rolling shutter	1	x	1	12.00	0.75	7	-63.00			
	Deduct Rolling shutter	1	x	1	8.25	0.75	7	-43.31			
	Deduct Windows	1	x	6	5.00	0.75	5	-112.50			
								1206.19	Cft		
										1	Cft

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
11	Reinforced cement concrete with M 20 grade Design mix (by weigh batching) using 20mm size (SS 5) machine crushed hard blasted granite graded metal (coarse aggregate) from approved quarry using a minimum quantity of 350 Kg of cement per 1 Cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand) ,coarse aggregate, water etc. to site and cost of all materials including centering using Cashewrina Ballies and Wooden runners & staging including all bracings, cross members etc., shuttering, machine mixing, laying concrete, for sunshade of 7.5cm thick at fixed end and 5cm thick at free end with an average thickness of 6.25cm including labour charges for mixing, laying, curing etc., complete but excluding cost of steel and its fabrication charges but excluding seigniorage charges for finished item of work									
	For sun shades									
	Rolling shutters RS-1	1	x	1	12.00	1.50	18.00			
	RS-2	1	x	1	9.00	1.50	13.50			
	Windows GF	1	x	6	5.00	1.50	45.00			
							76.50	Sft	1	Sft
12	Plastering 12mm thick in two coats with base coat of 8mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) dubara sponge finish including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials,all operational, incidental and labour charges such as mixing mortar, scaffolding charges, lift charges, including cutting of Grooves wherever necessary as directed by Engineer - in - charge, finishing, curing, etc., complete but excluding seigniorage charges for Even Surfaces of Wall for finished item of work.									
	Internal plastering									
	Long wall	1	x	2	48.50	16.00	1552.00			
	Short wall	1	x	2	28.50	16.00	912.00			
							2464.00	Sft	1	Sft

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
13	Plastering 20mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) dubara sponge finish including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials, all operational, incidental and labour charges such as mixing mortar, scaffolding charges, lift charges, finishing, including cutting of Grooves wherever necessary as directed by Engineer - in - charge, curing, etc., complete but excluding seigniorage charges for Uneven Surfaces of Brick Wall for finished item of work. (External plastering)									
	Allround wall									
	Long wall	1	x	2	50.00	14.00	1400.00			
	Short wall	1	x	2	28.50	14.00	798.00			
	Deduction									
	Windows	1	x	-6	5.00	5.00	-150.00			
	RS-1	1	x	-1	12.00	7.00	-84.00			
	RS-2	1	x	-1	8.25	7.00	-57.75			
							1906.25	Sft	1	Sft
14	In - situ - Granolithic Concrete Flooring 20mm thick with CC(1:1:2) Prop: using 6mm to 12mm size HBG machine crushed metal laid monolithically over 100mm thick CC flooring bed (1:5:10) with 40mm HBG metal in alternate panels of size not exceeding 1.50m x 1.50m and finishing the top surface to required smoothness and slopes, thread lining as directed by the Engineer - in - charge including cost and conveyance of all materials like cement, sand, water, etc. to site, seigniorage charges, sales and other taxes on all materials, all operational, incidental and labour charges such as mixing of cement concrete, laying, curing, lift charges etc., complete for finished item of work									
	Shed area									
	Floor area	1	x	1	48.50	28.50	1382.25			
							1382.25	Sft	1	Sft

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
15	Supply, diluting and injecting chemical emulsion for PRE-CONSTRUCTIONAL anti-termite treatment and creating a continuous chemical barrier under and around the column pits, wall trenches, basement excavation, top surface of plinth, junction of wall and floor, along the external perimeter of building, expansion joints, top surface of consolidated earth on which apron is to be laid, surroundings of pipes and conduits etc., complete as per specifications (Plinth area of building at ground floor only shall be measured for payment).									
	Shed area									
	a) Chloropyriphos emulsifiable concentrate 20% with 1% concentration or approved equivalent as specified.	1	x	1	48.50		28.5	1382.25		
								1382.25	Sft	1 Sft
16	Plain Cement Concrete corresponding to M15 grade as per IS 456 equivalent to (1:2:4) proportion nominal mix (cement: fine aggregate: Coarse aggregate) using 20mm size Hard Blasted Granite (IS383, 1970) Machine Crushed graded metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, including sales & other taxes on all materials, all operational, incidental and labour charges such as mixing, laying, curing concrete, etc., complete but excluding seigniorage charges for finished item of work									
	Flooring bed	1	x	1	48.50	28.50	0.33	460.75		
	Ramp base	1	x	1	10.00	5.00	0.33	16.66		
								477.41	Cft	1 Cft

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
17	Providing & Fixing of Open able Windows with Flymesh made of pre-painted steel as per IS 513 of 0.58 mm thick galvanized as per IS 277 finish painted with a polyester paint and the section for outer frame of 72 x 55mm, centre mullion of 72 x 50mm, section for fixed glass beading section of 12 x 12 mm and section for shutters of 48 x 25 mm and outer frame & mullion sections with rebate for glazed shutters, fly mesh and a 20 mm provision for guard bars/grills and fly mesh shutter section of 20 x 40 mm, stay, handles, latch 2 Nos of heavy duty stainless steel pivot hinges per shutter and panelled and S.S. Mesh for fly mesh shutter (304 grade), fitted using rubber gaskets including fixing the windows in the concrete/masonry wall by means of self expanding screws, including 10mm Square guard bars with 6" (152.4mm) pitch , complete for three shutters.									
	Shed area	1	x	6	5.00		5.00	150.00		
								150.00	Sqm	1 Sqm
18	Supply and fixing of MS Ventialtors of size 1.20 m x 0.45m with outer angular frame of rolled steel equal angle of ISA 2525 of size 25x25x4mm welded with safety bars of 10mm square rods at 100mm centre to centre horizontally and vertically included redoxide primer of grade-I quality, sales and other taxes, cost and conveyance of all materials to site, all labour charges etc., complete for finished item of work.									
		1	x	4				4.00		
								4.00	Nos	1 Nos
19	Supply and fixing of MS Ventialtors of size 1.50 m x 0.45m with outer angular frame of rolled steel equal angle of ISA 2525 of size 25x25x4mm welded with safety bars of 10mm square rods at 100mm centre to centre horizontally and vertically included redoxide primer of grade-I quality, sales and other taxes, cost and conveyance of all materials to site, all labour charges etc., complete for finished item of work.									
	Windows	1	x	6				6.00		
								6.00	Nos	1 Nos

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
20	Supply & fixing of Rolling shutter made of 80 x 1.25 mm machine rolled CRCA laths, interlocked together through their entire length and jointed together at the ends by end-locks, mounted on specially designed pipe shaft of 50mm dia nominal bore MS B class pipe with brackets, plates, guide channels, stoppers, bottom locking plates and arrangements for inside & outside locking with push-pull operations including cost of hood cover and springs complete, painted with one coat of approved steel primer, locks, ball bearings, all accessories etc complete for finished item of work as per special spn: 1108									
	RS	1	x	1	12.00		8	96.00		
	RS-1	1	x	1	8.25		8	66.00		
								162.00	Sft	1 Sft
21	Whiting to new walls in two coats with Birla White or equivalent quality to give an even shade after thoroughly brushing the surface to remove all loose powdered materials including cost and conveyance of all materials and water to site, sales & other taxes, all operational, incidental and labour charges such as cleaning the surface, painting, curing etc., complete for finished item of work for internal walls.									
	Internal wall surface									
	Long wall	1	x	2	28.50		16.00	912.00		
	Short wall	1	x	2	48.50		16.00	1552.00		
								2464.00	Sft	1 Sft
22	Painting to New walls with two coats of Acrylic Emulsion paint of superior quality of approved brand and shade over base coat of cement primer exterior grade -II making three coats in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, including cost and conveyance of all materials, cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work in all floors for external Walls.									
	External wall surface									
	Long wall	1	x	2	50.00		16.00	1600.00		

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount	
		Nos.		L	B						D
1	2	3		4	5	6	7	8	9	10	11
	Short wall	1	x	2	25.00		16.00	800.00			
	Ded Rolling shutter	1	x	1	12.00	7.00		-84.00			
	RS-1	1	x	1	8.25	7.00		-57.75			
	Ded Window	1	x	6	5.00	5.00		-150.00			
								2108.25	Sft	1	Sft
23	Painting to New Iron work with two coats of ready mixed synthetic enamel paint first quality all shades over an existing steel primer including cost and conveyance of all materials to site, sales & other taxes, incidental, operational and all labour charges etc., complete for finished item of work. .in All Floors										
	RS	1	x	2	12.00		7.00	168.00			
	RS-1	1	x	2	8.25		7.00	115.50			
	W/V	6	x	2	5.00		5.00	300.00			
								583.50	Sft	1	Sft
24	Providing High Yield Strength Deformed (HYSD) steel bars (TATA,SAIL,VSP,Jindal & Shyam Steel) (Fe 500 grade as per IS 1786-1985) of 8mm to 40mm diameters, cutting, bending, to required sizes and shapes placing in position with cover blocks of approved size and binding wire of 20SWG, forming grills for reinforcement work as per approved designs and drawings including cost and conveyance of bars from approved sources to site of work, including cost and conveyance of binding wire, cover blocks, chairs, overlaps, spacers, dowels, wastage etc., and all operational, incidental, and labour charges such as cutting, bending, placing in position, tying etc., and sales & other taxes, on cost of all materials complete for finished item of work										
	For Footings	1	x	1	261.70	2.75	Kg/Cft	719.68	Kg		
	For Pedestal	1	x	1	40.08	3.50	Kg/Cft	140.28	Kg		
	For Columns	1	x	1	135.81	3.40	Kg/Cft	461.75	Kg		
	For Plinth beams	1	x	1	120.37	2.75	Kg/Cft	331.02	Kg		
	For tie beams	1	x	1	120.00	2.75	Kg/Cft	330.00	Kg		
	For Lintels	1	x	1	10.39	1.50	Kg/Cft	15.59	Kg		
	For Sunshades	1	x	1	3.38	1.00	Kg/Cft	3.38	Kg		
								2.00	MT	1	MT

Schedule -2A

Estimated quantity of material for Construction of Shed for Raw material Bank & Fibre Extraction (SWARNA) (GI Sheet Roof Shed) (40' X 25') at # Plot No.450/834, Khata No.195/12, Mouza: Akhulipada, P.S: Rajkanika, District-Kenderapara, Odisha

Sl . N o.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
1	Earth work excavation and depositing on bank (manual means) with initial lead of 10m and initial lift of 3m in Loamy & Clayey Soils like BC Soils, Red Earth & Ordinary Gravelly Soils (SS 20-B) including all operational incidental labour charges such as shoring, strutting, sheeting, planking and dewatering including cost of hire charges of T & P, labour charges etc., complete for finished item of work excluding seignorage charges and dewatering charges etc., complete for Foundation of Building.									
	F1	1	x	6	4.00	4.0 0	5.00	480.00		
	Basement walls									
	Long wall	1	x	2	13.0 0	2.0 0	1.50	78.00		
	Short wall	1	x	2	20.5 0	2.0 0	1.50	123.00		
							681.00	Cft	1	Cft
2	Plain Cement Concrete corresponding to M7.5 grade as per IS 456 equivalent to (1:4:8) proportion nominal mix (cement: fine aggregate: Coarse aggregate) using 40mm size Hard Blasted Granite (IS383, 1970) metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, including sales & other taxes on all materials, all operational, incidental, and labour charges such as mixing, laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete, etc., complete but excluding seigniorage charges, for finished item of work for Foundations									
	F1	1	x	6	4.00	5.0 0	0.33	40.00		
	Basement walls									
	Long wall	1	x	2	13.0 0	2.0 0	0.33	17.16		
	Short wall	1	x	2	20.5 0	2.0 0	0.33	27.06		
	Flooring bed	1	x	1	38.5 0	23. 50	0.33	301.58		
							385.80	Cft	1	Cft

Sl . N o.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
3	Vibrated Reinforced Cement Concrete M 20 Design Mix (by weigh batching) using 20mm size (SS5) hard blasted granite machine crushed graded metal (Coarse aggregate) from approved quarry, using a minimum quantity of 350 kgs. of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of all materials including centering using Cashewrina Ballies and Wooden runners & staging including all bracings, cross members etc., shuttering , machine mixing, laying concrete, vibrating, lift charges, curing etc., complete but excluding cost of steel and it's fabrication charges for finished item of work but excluding seigniorage charges									
a	For Footings :-									
	F1	1	x	6	4.67	4.6 7	1.50	196.28		
								196.28	Cft	1 Cft
b	For Pedestals :-									
	F1/P1	1	x	6	1.67	1.5 0	2.00	30.06		
								30.06	Cft	1 Cft
c	For Columns : upto bottom of the plinth beam									
	C1	1	x	6	0.75	1.5 0	0.90	6.07		
								6.07	Cft	1 Cft
4	Plain Cement Concrete corresponding to M5 grade as per IS 456 equivalent to (1:5:10) proportion nominal mix (cement: fine aggregate: Coarse aggregate) using 40mm size Hard Blasted Granite (IS383, 1970) metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, including sales & other taxes on all materials, all operational, incidental, and labour charges such as mixing, laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete, etc., complete but excluding seigniorage charges for finished item of work for Foundations and Flooring Bed									
	Bottom of Plinth Beam:-									

Sl · N o.	Description of item	Measurements					QTY	Unit	Rate	Per Unit	Amount	
		Nos.			L	B						D
1	2	3			4	5	6	7	8	9	10	11
	Intermediate beams	1	x	1	23.5	1.0 0	0.33	7.75				
								7.75	Cft		1 Cft	
5	Random Rubble stone masonry, in CM (1:8) prop: (Cement: Sand) using Hard blasted Granite stones from approved quarry including cost and conveyance of all materials like Granite stones, cement, sand, water, etc., to site sales & other taxes on all materials, all operational, incidental, and labour charges such as cutting stones to required size and shape, mixing of cement mortar, constructing masonry, curing etc., complete but excluding seigniorage charges for finished item of work for foundation and basement											
	Basement wall between Columns											
		1	x	2	38.0 0	1.5 0	3.17	361.38				
		1	x	2	23.0 0	1.5 0	3.17	218.73				
								580.11	Cft		1 Cft	
6	Filling with Sand Cushion under footings with initial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyance of water to the work site and all operational & incidental charges, labour charges, seigniorage charges, hire and operational charges of T & P etc., complete for finished item of work.											
	Basemnt filling	1	x	1	37.0 0	22. 00	1.50	1221.0 0				
								1221.0 0	Cft		1 Cft	
7	Filling with Gravel in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyance of water to the work site and all operational, incidental, labour charges, hire charges of T & P etc., completebut but excluding seigniorage charges, for finished item of work.											
	Shed area	1	x	1	37.0 0	22. 00	1.00	814.00				
								814.00	Cft		1 Cft	

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
8	Vibrated Reinforced Cement Concrete M 20 Design Mix (by weigh batching / Mixer) using 20mm size (SS5) hard granite machine crushed graded metal (Coarse aggregate) from approved quarry, using a minimum quantity of 350 kgs. of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of all materials including centering using Cashewrina Ballies and Wooden runners & staging including all bracings, cross members etc., shuttering , machine mixing, laying concrete, vibrating, lift charges, curing etc., complete but excluding cost of steel and it's fabrication charges but excluding seigniorage charges for finished item of work									
a	For Plinth beams :-									
	Plinth beams									
	Long wall	1	x	2	40.0 0	0.7 5	0.75	45.00		
	Short wall	1	x	3	23.5 0	0.7 5	0.75	39.65		
								84.65	Cft	1 Cft
b	Columns up to roof									
	C1	1	x	6	0.75	1.5 0	15	101.25		
								101.25	Cft	1 Cft
c	For Roof beams; -									
	Tie beam- all round	1	x	1	130. 00	0.7 5	1.00	97.50		
								97.50	Cft	1 Cft
9	Reinforced Cement Concrete M 20 Design Mix (by weigh batching) using 20mm size (SS5) hard blasted granite machine crushed graded metal (Coarse aggregate) from approved quarry, using a minimum quantity of 350 kgs. of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of all materials including centering using Cashewrina Ballies and Wooden runners & staging including all bracings, cross members etc., shuttering , machine mixing, laying									

Sl . N o.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount	
		Nos.	L	B	D						
1	2	3	4	5	6	7	8	9	10	11	
	concrete, lift charges, curing etc., complete but excluding cost of steel and it's fabrication charges but excluding seigniorage charges for finished item of work Lintels :-										
	Ground Floor										
	Rolling shutters	1	x	1	12.0 0	0.7 5	0.33	2.97			
	RS-1	1	x	2	8.30	0.7 5	0.33	4.10			
	Windows	1	x	4	5.00	0.7 5	0.33	4.95			
								12.02	Cft	1 Cft	
10	Brick Masonry in superstructure with CM (1:8) prop: using Fly ASH Bricks of size 290x225x140mm with compressive of 50 Kgs / Sqcm from approved source including cost and conveyance of all materials like cement, sand, fly ash bricks, water etc., to site, including sales & other taxes on all materials, all operational, incidental and labour charges such as mixing cement mortar, constructing masonry, scaffolding charges, lift charges, curing, etc., complete but excluding seigniorage charges for finished item of work.										
	Up to Lintel level										
	Allround brick wall	1	x	1	130. 00	0.7 5	7	682.50			
	Up to Roof level Above LL										
	Allround brick wall	1	x	1	130. 00	0.7 5	6	585.00			
	Deuct Columns	1	x	6	0.75	1.5 0	15	-101.25			
	Deduct Rolling shutter	1	x	1	12.0 0	0.7 5	7	-63.00			
	Deduct Rolling shutter	1	x	1	8.25	0.7 5	7	-43.31			
	Deduct Windows	1	x	4	5.00	0.7 5	5	-75.00			
								984.94	Cft	1 Cft	

Sl . N o.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
11	Reinforced cement concrete with M 20 grade Design mix (by weigh batching) using 20mm size (SS 5) machine crushed hard blasted granite graded metal (coarse aggregate) from approved quarry using a minimum quantity of 350 Kg of cement per 1 Cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand) ,coarse aggregate, water etc. to site and cost of all materials including centering using Cashewrina Ballies and Wooden runners & staging including all bracings, cross members etc., shuttering, machine mixing, laying concrete, for sunshade of 7.5cm thick at fixed end and 5cm thick at free end with an average thickness of 6.25cm including labour charges for mixing, laying, curing etc., complete but excluding cost of steel and its fabrication charges but excluding seigniorage charges for finished item of work									
	For sun shades									
	Rolling shutters RS-1	1	x	1	12.0 0	1.5 0		18.00		
	RS-2	1	x	1	9.00	1.5 0		13.50		
	Windows GF	1	x	4	5.00	1.5 0		30.00		
								61.50	Sft	1 Sft
12	Plastering 12mm thick in two coats with base coat of 8mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) dubara sponge finish including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials,all operational, incidental and labour charges such as mixing mortar, scaffolding charges, lift charges, including cutting of Grooves wherever necessary as directed by Engineer - in - charge, finishing, curing, etc., complete but excluding seigniorage charges for Even Surfaces of Wall for finished item of work.									
	Internal plastering									
	Long wall	1	x	2	38.5 0	16.0 0		1232.0 0		
	Short wall	1	x	2	23.5 0	16.0 0		752.00		
								1984.0 0	Sft	1 Sft

Sl . N o.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
13	Plastering 20mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) dubara sponge finish including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials, all operational, incidental and labour charges such as mixing mortar, scaffolding charges, lift charges, finishing, including cutting of Grooves wherever necessary as directed by Engineer - in - charge, curing, etc., complete but excluding seigniorage charges for Uneven Surfaces of Brick Wall for finished item of work. (External plastering)									
	Allround wall									
	Long wall	1	x	2	40.0 0	16. 00		1280.0 0		
	Short wall	1	x	2	25.0 0	16. 00		800.00		
	Deduction									
	Windows	1	x	- 4	5.00	5.0 0		-100.00		
	RS-1	1	x	- 1	12.0 0	7.0 0		-84.00		
	RS-2	1	x	- 1	8.25	7.0 0		-57.75		
								1838.2 5	Sft	1 Sft
14	In - situ - Granolithic Concrete Flooring 20mm thick with CC(1:1:2) Prop: using 6mm to 12mm size HBG machine crushed metal laid monolithically over 100mm thick CC flooring bed (1:5:10) with 40mm HBG metal in alternate panels of size not exceeding 1.50m x 1.50m and finishing the top surface to required smoothness and slopes, thread lining as directed by the Engineer - in - charge including cost and conveyance of all materials like cement, sand, water, etc. to site, seigniorage charges, sales and other taxes on all materials, all operational, incidental and labour charges such as mixing of cement concrete, laying, curing, lift charges etc., complete for finished item of work									
	Shed area									
	Floor area	1	x	1	38.5 0	23. 50		904.75		
								904.75	Sft	1 Sft

Sl . N o.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
15	Supply, diluting and injecting chemical emulsion for PRE-CONSTRUCTIONAL anti-termite treatment and creating a continuous chemical barrier under and around the column pits, wall trenches, basement excavation, top surface of plinth, junction of wall and floor, along the external perimeter of building, expansion joints, top surface of consolidated earth on which apron is to be laid, surroundings of pipes and conduits etc., complete as per specifications (Plinth area of building at ground floor only shall be measured for payment).									
	Shed area									
	a) Chloropyriphos emulsifiable concentrate 20% with 1% concentration or approved equivalent as specified.	1	x	1	40.0 0	23.5	940.00			
							940.00	Sft	1	Sft
16	Plain Cement Concrete corresponding to M15 grade as per IS 456 equivalent to (1:2:4) proportion nominal mix (cement: fine aggregate: Coarse aggregate) using 20mm size Hard Blasted Granite (IS383, 1970) Machine Crushed graded metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, including sales & other taxes on all materials, all operational, incidental and labour charges such as mixing, laying, curing concrete, etc., complete but excluding seigniorage charges for finished item of work									
	Flooring bed	1	x	1	23.5 0	38. 50	0.33	301.58		
	Ramp base	1	x	1	10.0 0	5.0 0	0.33	16.66		
							318.24	Cft	1	Cft

Sl . N o.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
17	Providing & Fixing of Open able Windows with Flymesh made of pre-painted steel as per IS 513 of 0.58 mm thick galvanized as per IS 277 finish painted with a polyester paint and the section for outer frame of 72 x 55mm, centre mullion of 72 x 50mm, section for fixed glass beading section of 12 x 12 mm and section for shutters of 48 x 25 mm and outer frame & mullion sections with rebate for glazed shutters, fly mesh and a 20 mm provision for guard bars/grills and fly mesh shutter section of 20 x 40 mm, stay, handles, latch 2 Nos of heavy duty stainless steel pivot hinges per shutter and panelled and S.S. Mesh for fly mesh shutter (304 grade), fitted using rubber gaskets including fixing the windows in the concrete/masonry wall by means of self expanding screws, including 10mm Square guard bars with 6" (152.4mm) pitch , complete for three shutters.									
	Shed area	1	x	4	5.00		5.00	100.00		
								100.00	Sqm	1 Sqm
18	Supply and fixing of MS Ventialtors of size 1.20 m x 0.45m with outer angular frame of rolled steel equal angle of ISA 2525 of size 25x25x4mm welded with safety bars of 10mm square rods at 100mm centre to centre horizontally and vertically included redoxide primer of grade-I quality, sales and other taxes, cost and conveyance of all materials to site, all labour charges etc., complete for finished item of work.									
		1	x	4				4.00		
								4.00	Nos	1 Nos
19	Supply and fixing of MS Ventialtors of size 1.50 m x 0.45m with outer angular frame of rolled steel equal angle of ISA 2525 of size 25x25x4mm welded with safety bars of 10mm square rods at 100mm centre to centre horizontally and vertically included redoxide primer of grade-I quality, sales and other taxes, cost and conveyance of all materials to site, all labour charges etc., complete for finished item of work.									
	Windows	1	x	4				4.00		
								4.00	Nos	1 Nos

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
20	Supply & fixing of Rolling shutter made of 80 x 1.25 mm machine rolled CRCA laths, interlocked together through their entire length and jointed together at the ends by end-locks, mounted on specially designed pipe shaft of 50mm dia nominal bore MS B class pipe with brackets, plates, guide channels, stoppers, bottom locking plates and arrangements for inside & outside locking with push-pull operations including cost of hood cover and springs complete, painted with one coat of approved steel primer, locks, ball bearings, all accessories etc complete for finished item of work as per special spn: 1108									
	RS	1	x	1	12.0 0	8	96.00			
	RS-1	1	x	1	8.25	8	66.00			
							162.00	Sft	1	Sft
21	Whiting to new walls in two coats with Birla White or equivalent quality to give an even shade after thoroughly brushing the surface to remove all loose powdered materials including cost and conveyance of all materials and water to site, sales & other taxes, all operational, incidental and labour charges such as cleaning the surface, painting, curing etc., complete for finished item of work for internal walls.									
	Internal wall surface									
	Long wall	1	x	2	23.5 0	16. 00	752.00			
	Short wall	1	x	2	23.5 0	16. 00	752.00			
							1504.00	Sft	1	Sft
22	Painting to New walls with two coats of Acrylic Emulsion paint of superior quality of approved brand and shade over base coat of cement primer exterior grade -II making three coats in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, including cost and conveyance of all materials, cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work in all floors for external Walls.									
	External wall surface									

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount		
		Nos.			L						B	D
1	2	3			4	5	6	7	8	9	10	11
	Long wall	1	x	2	40.00		16.00	1280.00				
	Short wall	1	x	2	25.00		16.00	800.00				
	Ded Rolling shutter	1	x	1	12.00	7.00		-84.00				
	RS-1	1	x	1	8.25	7.00		-57.75				
	Ded Window	1	x	4	5.00	5.00		-100.00				
								1838.25	Sft		1 Sft	
23	Painting to New Iron work with two coats of ready mixed synthetic enamel paint first quality all shades over an existing steel primer including cost and conveyance of all materials to site, sales & other taxes, incidental, operational and all labour charges etc., complete for finished item of work. .in All Floors											
	RS	1	x	2	12.00		7.00	168.00				
	RS-1	1	x	2	8.25		7.00	115.50				
	W/V	4	x	2	5.00		5.00	200.00				
								483.50	Sft		1 Sft	
24	Providing High Yield Strength Deformed (HYSD) steel bars (TATA,SAIL,VSP,Jindal & Shyam Steel) (Fe 500 grade as per IS 1786-1985) of 8mm to 40mm diameters, cutting, bending, to required sizes and shapes placing in position with cover blocks of approved size and binding wire of 20SWG, forming grills for reinforcement work as per approved designs and drawings including cost and conveyance of bars from approved sources to site of work, including cost and conveyance of binding wire, cover blocks, chairs, overlaps, spacers, dowels, wastage etc., and all operational, incidental, and labour charges such as cutting, bending, placing in position, tying etc., and sales & other taxes, on cost of all materials complete for finished item of work											
	For Footings	1	x	1	196.28	2.75	Kg/Cft	539.77	Kg			
	For Pedestal	1	x	1	30.06	3.50	Kg/Cft	105.21	Kg			
	For Columns	1	x	1	102.06	3.40	Kg/Cft	347.00	Kg			
	For Plinth beams	1	x	1	84.65	2.75	Kg/Cft	232.79	Kg			

Sl. No.	Description of item	Measurements					QTY	Unit	Rate	Per Unit	Amount	
		Nos.			L	B						D
1	2	3			4	5	6	7	8	9	10	11
	For tie beams	1	x	1	97.50	2.75	Kg/Cft	268.13	Kg			
	For Lintels	1	x	1	7.92	1.50	Kg/Cft	11.88	Kg			
	For Sunshades	1	x	1	2.25	1.00	Kg/Cft	2.25	Kg			
								1.51	MT		1	MT
25	Supplying fabricating and fixing in position all heavy steel works like trusses, stanchions, heavy beams and gutter (by using structural steel) including cost of welding rods, power charges, erecting in positions and fixing by using chain pulley blocks derek pole arrangements and cranes, etc complete.											
	Roof shed with king post truss an a span of 25'	1	x	40	25	1000	0.50	500.00	Kg			
	Purlins & Ties @ 18% of truss weight							90.00				
								590.00	Kg		1	Kg
26	Supply and Fixing Roofing: - Roofing will be provided with 0.5mm thick galvanized / pre painted G.I. profiled sheets fixed to the purlins with 14 size self drilling screws with neoprene washer. Side laps are stitched with self tapping / drilling screws. End laps are to be sealed with 25x3 mm Butyl tape. The sheets are provided with anti capillary groove. complete including cost and conveyance of all materials to site, sales and other axes, all labour charges etc., complete for finished item of work											
	Roof area	1	x	1	42		28	1176.00				
								1176.00	Sft		1	Sft
27	Providing 110 mm Dia ISI marked PVC (Sudhakar / Nandhini) down water take pipes with socket , 6kg/sq.cm pressure of ISI marked including cost of necessary PVC Bends, shoes, PVC clamps and all other accessories and fixing in position including cost and conveyance of all materials, sales & other taxes on materials to site, operational & incidental charges including all labour charges for fixing at site etc., and Overheads & Contractors profit complete for finished item of work.											
	DT pipes	1	x	2	20			40.00				

Sl · N o.	Description of item	Measurements				QTY	Unit	Rate	Per Unit		Amount
		Nos.	L	B	D						
1	2	3	4	5	6	7	8	9	10	11	
						40.00	Rft		1	Rft	
									Total >>>		

In words (Rupees.....Only)

Schedule –3A

Estimated quantities for Construction of Work shed for Coir Yarn & Mat Making (GI Sheet Roof Shed) (40' X 25') at Plot No.209/608, Pandarukoli (V), Rajkanika Block, Kenderapara District, Odisha

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
1	Earth work excavation and depositing on bank (manual means) with initial lead of 10m and initial lift of 3m in Loamy & Clayey Soils like BC Soils, Red Earth & Ordinary Gravelly Soils (SS 20-B) including all operational incidental labour charges such as shoring, strutting, sheeting, planking and dewatering including cost of hire charges of T & P, labour charges etc., complete for finished item of work excluding seignorage charges and dewatering charges etc., complete for Foundation of Building.									
	F1	1	x	6	4.00	4.00	5.00	480.00		
	Basement walls									
	Long wall	1	x	2	13.00	2.00	1.50	78.00		
	Short wall	1	x	2	20.50	2.00	1.50	123.00		
								681.00	Cft	1 Cft
2	Plain Cement Concrete corresponding to M7.5 grade as per IS 456 equivalent to (1:4:8) proportion nominal mix (cement: fine aggregate: Coarse aggregate) using 40mm size Hard Blasted Granite (IS383, 1970) metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, including sales & other taxes on all materials, all operational, incidental, and labour charges such as mixing, laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete, etc., complete but excluding seignorage charges, for finished item of work for Foundations									
	F1	1	x	6	4.00	5.00	0.33	40.00		
	Basement walls									
	Long wall	1	x	2	13.00	2.00	0.33	17.16		
	Short wall	1	x	2	20.50	2.00	0.33	27.06		
	Flooring bed	1	x	1	38.50	23.50	0.33	301.58		
								385.80	Cft	1 Cft

Sl . N o.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
3	Vibrated Reinforced Cement Concrete M 20 Design Mix (by weigh batching) using 20mm size (SS5) hard blasted granite machine crushed graded metal (Coarse aggregate) from approved quarry, using a minimum quantity of 350 kgs. of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of all materials including centering using Cashewrina Ballies and Wooden runners & staging including all bracings, cross members etc., shuttering , machine mixing, laying concrete, vibrating, lift charges, curing etc., complete but excluding cost of steel and it's fabrication charges for finished item of work but excluding seigniorage charges									
a	For Footings :-									
	F1	1	x	6	4.67	4.67	1.50	196.28		
								196.28	Cft	1 Cft
b	For Pedestals :-									
	F1/P1	1	x	6	1.67	1.50	2.00	30.06		
								30.06	Cft	1 Cft
c	For Columns : upto bottom of the plinth beam									
	C1	1	x	6	0.75	1.50	0.90	6.07		
								6.07	Cft	1 Cft
4	Plain Cement Concrete corresponding to M5 grade as per IS 456 equivalent to (1:5:10) proportion nominal mix (cement: fine aggregate: Coarse aggregate) using 40mm size Hard Blasted Granite (IS383, 1970) metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, including sales & other taxes on all materials, all operational, incidental, and labour charges such as mixing, laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete, etc., complete but excluding seigniorage charges for finished item of work for Foundations and Flooring Bed									
	Bottom of Plinth Beam:-									

Sl · N o.	Description of item	Measurements					QTY	Unit	Rate	Per Unit	Amount	
		Nos.			L	B						D
1	2	3			4	5	6	7	8	9	10	11
	Intermediate beams	1	x	1	23.5	1.0 0	0.33	7.75				
								7.75	Cft		1 Cft	
5	Random Rubble stone masonry, in CM (1:8) prop: (Cement: Sand) using Hard blasted Granite stones from approved quarry including cost and conveyance of all materials like Granite stones, cement, sand, water, etc., to site sales & other taxes on all materials, all operational, incidental, and labour charges such as cutting stones to required size and shape, mixing of cement mortar, constructing masonry, curing etc., complete but excluding seigniorage charges for finished item of work for foundation and basement											
	Basement wall between Columns											
		1	x	2	38.0 0	1.5 0	3.17	361.38				
		1	x	2	23.0 0	1.5 0	3.17	218.73				
								580.11	Cft		1 Cft	
6	Filling with Sand Cushion under footings with initial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyance of water to the work site and all operational & incidental charges, labour charges, seigniorage charges, hire and operational charges of T & P etc., complete for finished item of work.											
	Basement filling	1	x	1	37.0 0	22. 00	1.50	1221.00				
								1221.00	Cft		1 Cft	
7	Filling with Gravel in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyance of water to the work site and all operational, incidental, labour charges, hire charges of T & P etc., complete but excluding seigniorage charges, for finished item of work.											
	Shed area	1	x	1	37.0 0	22. 00	1.00	814.00				
								814.00	Cft		1 Cft	

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
8	Vibrated Reinforced Cement Concrete M 20 Design Mix (by weigh batching / Mixer) using 20mm size (SS5) hard granite machine crushed graded metal (Coarse aggregate) from approved quarry, using a minimum quantity of 350 kgs. of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of all materials including centering using Cashewrina Ballies and Wooden runners & staging including all bracings, cross members etc., shuttering , machine mixing, laying concrete, vibrating, lift charges, curing etc., complete but excluding cost of steel and it's fabrication charges but excluding seigniorage charges for finished item of work									
a	For Plinth beams :-									
	Plinth beams									
	Long wall	1	x	2	40.00	0.75	0.75	45.00		
	Short wall	1	x	3	23.50	0.75	0.75	39.65		
								84.65	Cft	1 Cft
b	Columns up to roof									
	C1	1	x	6	0.75	1.50	15	101.25		
								101.25	Cft	1 Cft
c	For Roof beams; -									
	Tie beam- all round	1	x	1	130.00	0.75	1.00	97.50		
								97.50	Cft	1 Cft
9	Reinforced Cement Concrete M 20 Design Mix (by weigh batching) using 20mm size (SS5) hard blasted granite machine crushed graded metal (Coarse aggregate) from approved quarry, using a minimum quantity of 350 kgs. of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of all materials including centering using Cashewrina Ballies and Wooden runners & staging including all bracings, cross members etc., shuttering , machine mixing, laying concrete, lift charges, curing etc., complete but excluding cost of steel and it's fabrication charges but excluding seigniorage									

Sl . N o.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount	
		Nos.	L	B	D						
1	2	3	4	5	6	7	8	9	10	11	
	charges for finished item of work Lintels :-										
	Ground Floor										
	Rolling shutters	1	x	1	12.0 0	0.7 5	0.33	2.97			
	RS-1	1	x	2	8.30	0.7 5	0.33	4.10			
	Windows	1	x	4	5.00	0.7 5	0.33	4.95			
								12.02	Cft	1 Cft	
10	Brick Masonry in superstructure with CM (1:8) prop: using Fly ASH Bricks of size 290x225x140mm with compressive of 50 Kgs / Sqcm from approved source including cost and conveyance of all materials like cement, sand, fly ash bricks, water etc., to site, including sales & other taxes on all materials, all operational, incidental and labour charges such as mixing cement mortar, constructing masonry, scaffolding charges, lift charges, curing, etc., complete but excluding seigniorage charges for finished item of work.										
	Up to Lintel level										
	Allround brick wall	1	x	1	130. 00	0.75	7	682.50			
	Up to Roof level Above LL										
	Allround brick wall	1	x	1	130. 00	0.75	6	585.00			
	Deduct Columns	1	x	6	0.75	1.50	15	-101.25			
	Deduct Rolling shutter	1	x	1	12.0 0	0.75	7	-63.00			
	Deduct Rolling shutter	1	x	1	8.25	0.75	7	-43.31			
	Deduct Windows	1	x	4	5.00	0.75	5	-75.00			
								984.94	Cft	1 Cft	

Sl . N o.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
11	Reinforced cement concrete with M 20 grade Design mix (by weigh batching) using 20mm size (SS 5) machine crushed hard blasted granite graded metal (coarse aggregate) from approved quarry using a minimum quantity of 350 Kg of cement per 1 Cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand) ,coarse aggregate, water etc. to site and cost of all materials including centering using Cashewrina Ballies and Wooden runners & staging including all bracings, cross members etc., shuttering, machine mixing, laying concrete, for sunshade of 7.5cm thick at fixed end and 5cm thick at free end with an average thickness of 6.25cm including labour charges for mixing, laying, curing etc., complete but excluding cost of steel and its fabrication charges but excluding seigniorage charges for finished item of work									
	For sun shades									
	Rolling shutters RS-1	1	x	1	12.0 0	1.50	18.00			
	RS-2	1	x	1	9.00	1.50	13.50			
	Windows GF	1	x	4	5.00	1.50	30.00			
							61.50	Sft	1	Sft
12	Plastering 12mm thick in two coats with base coat of 8mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) dubara sponge finish including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials,all operational, incidental and labour charges such as mixing mortar, scaffolding charges, lift charges, including cutting of Grooves wherever necessary as directed by Engineer - in - charge, finishing, curing, etc., complete but excluding seigniorage charges for Even Surfaces of Wall for finished item of work.									
	Internal plastering									
	Long wall	1	x	2	38.5 0	16.00	1232.00			
	Short wall	1	x	2	23.5 0	16.00	752.00			
							1984.00	Sft	1	Sft

Sl . N o.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
13	Plastering 20mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) dubara sponge finish including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials, all operational, incidental and labour charges such as mixing mortar, scaffolding charges, lift charges, finishing, including cutting of Grooves wherever necessary as directed by Engineer - in - charge, curing, etc., complete but excluding seigniorage charges for Uneven Surfaces of Brick Wall for finished item of work. (External plastering)									
	Allround wall									
	Long wall	1	x	2	40.0 0	16. 00		1280.00		
	Short wall	1	x	2	25.0 0	16. 00		800.00		
	Deduction									
	Windows	1	x	- 4	5.00	5.0 0		-100.00		
	RS-1	1	x	- 1	12.0 0	7.0 0		-84.00		
	RS-2	1	x	- 1	8.25	7.0 0		-57.75		
								1838.25	Sft	1 Sft
14	In - situ - Granolithic Concrete Flooring 20mm thick with CC(1:1:2) Prop: using 6mm to 12mm size HBG machine crushed metal laid monolithically over 100mm thick CC flooring bed (1:5:10) with 40mm HBG metal in alternate panels of size not exceeding 1.50m x 1.50m and finishing the top surface to required smoothness and slopes, thread lining as directed by the Engineer - in - charge including cost and conveyance of all materials like cement, sand, water, etc. to site, seigniorage charges, sales and other taxes on all materials, all operational, incidental and labour charges such as mixing of cement concrete, laying, curing, lift charges etc., complete for finished item of work									
	Shed area									
	Floor area	1	x	1	38.5 0	23. 50		904.75		
								904.75	Sft	1 Sft

Sl No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
15	Supply, diluting and injecting chemical emulsion for PRE-CONSTRUCTIONAL anti-termite treatment and creating a continuous chemical barrier under and around the column pits, wall trenches, basement excavation, top surface of plinth, junction of wall and floor, along the external perimeter of building, expansion joints, top surface of consolidated earth on which apron is to be laid, surroundings of pipes and conduits etc., complete as per specifications (Plinth area of building at ground floor only shall be measured for payment).									
	Shed area									
	a) Chloropyriphos emulsifiable concentrate 20% with 1% concentration or approved equivalent as specified.	1	x	1	40.00	23.5	940.00			
							940.00	Sft	1	Sft
16	Plain Cement Concrete corresponding to M15 grade as per IS 456 equivalent to (1:2:4) proportion nominal mix (cement: fine aggregate: Coarse aggregate) using 20mm size Hard Blasted Granite (IS383, 1970) Machine Crushed graded metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, including sales & other taxes on all materials, all operational, incidental and labour charges such as mixing, laying, curing concrete, etc., complete but excluding seigniorage charges for finished item of work									
	Flooring bed	1	x	1	23.50	38.50	0.33	301.58		
	Ramp base	1	x	1	10.00	5.00	0.33	16.66		
							318.24	Cft	1	Cft

Sl . N o.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
17	Providing & Fixing of Open able Windows with Flymesh made of pre-painted steel as per IS 513 of 0.58 mm thick galvanized as per IS 277 finish painted with a polyester paint and the section for outer frame of 72 x 55mm, centre mullion of 72 x 50mm, section for fixed glass beading section of 12 x 12 mm and section for shutters of 48 x 25 mm and outer frame & mullion sections with rebate for glazed shutters, fly mesh and a 20 mm provision for guard bars/grills and fly mesh shutter section of 20 x 40 mm, stay, handles, latch 2 Nos of heavy duty stainless steel pivot hinges per shutter and panelled and S.S. Mesh for fly mesh shutter (304 grade), fitted using rubber gaskets including fixing the windows in the concrete/masonry wall by means of self expanding screws, including 10mm Square guard bars with 6" (152.4mm) pitch , complete for three shutters.									
	Shed area	1	x	4	5.00		5.00	100.00		
								100.00	Sq m	1 Sqm
18	Supply and fixing of MS Ventialtors of size 1.20 m x 0.45m with outer angular frame of rolled steel equal angle of ISA 2525 of size 25x25x4mm welded with safety bars of 10mm square rods at 100mm centre to centre horizontally and vertically included redoxide primer of grade-I quality, sales and other taxes, cost and conveyance of all materials to site, all labour charges etc., complete for finished item of work.									
		1	x	4				4.00		
								4.00	Nos	1 Nos
19	Supply and fixing of MS Ventialtors of size 1.50 m x 0.45m with outer angular frame of rolled steel equal angle of ISA 2525 of size 25x25x4mm welded with safety bars of 10mm square rods at 100mm centre to centre horizontally and vertically included redoxide primer of grade-I quality, sales and other taxes, cost and conveyance of all materials to site, all labour charges etc., complete for finished item of work.									
	Windows	1	x	4				4.00		
								4.00	Nos	1 Nos

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
20	Supply & fixing of Rolling shutter made of 80 x 1.25 mm machine rolled CRCA laths, interlocked together through their entire length and jointed together at the ends by end-locks, mounted on specially designed pipe shaft of 50mm dia nominal bore MS B class pipe with brackets, plates, guide channels, stoppers, bottom locking plates and arrangements for inside & outside locking with push-pull operations including cost of hood cover and springs complete, painted with one coat of approved steel primer, locks, ball bearings, all accessories etc complete for finished item of work as per special spn: 1108									
	RS	1	x	1	12.0 0		8	96.00		
	RS-1	1	x	1	8.25		8	66.00		
								162.00	Sft	1 Sft
21	Whiting to new walls in two coats with Birla White or equivalent quality to give an even shade after thoroughly brushing the surface to remove all loose powdered materials including cost and conveyance of all materials and water to site, sales & other taxes, all operational, incidental and labour charges such as cleaning the surface, painting, curing etc., complete for finished item of work for internal walls.									
	Internal wall surface									
	Long wall	1	x	2	23.5 0	16. 00		752.00		
	Short wall	1	x	2	23.5 0	16. 00		752.00		
								1504.00	Sft	1 Sft
22	Painting to New walls with two coats of Acrylic Emulsion paint of superior quality of approved brand and shade over base coat of cement primer exterior grade -II making three coats in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, including cost and conveyance of all materials, cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work in all floors for external Walls.									
	External wall surface									
	Long wall	1	x	2	40.0 0		16.0 0	1280.00		
	Short wall	1	x	2	25.0		16.0	800.00		

Sl. No.	Description of item	Measurements					QTY	Unit	Rate	Per Unit	Amount	
		Nos.			L	B						D
1	2	3			4	5	6	7	8	9	10	11
					0		0					
	Ded Rolling shutter	1	x	1	12.00	7.00		-84.00				
	RS-1	1	x	1	8.25	7.00		-57.75				
	Ded Window	1	x	4	5.00	5.00		-100.00				
								1838.25	Sft		1 Sft	
23	Painting to New Iron work with two coats of ready mixed synthetic enamel paint first quality all shades over an existing steel primer including cost and conveyance of all materials to site, sales & other taxes, incidental, operational and all labour charges etc., complete for finished item of work. .in All Floors											
	RS	1	x	2	12.00		7.00	168.00				
	RS-1	1	x	2	8.25		7.00	115.50				
	W/V	4	x	2	5.00		5.00	200.00				
								483.50	Sft		1 Sft	
24	Providing High Yield Strength Deformed (HYSD) steel bars (TATA,SAIL,VSP,Jindal & Shyam Steel) (Fe 500 grade as per IS 1786-1985) of 8mm to 40mm diameters, cutting, bending, to required sizes and shapes placing in position with cover blocks of approved size and binding wire of 20SWG, forming grills for reinforcement work as per approved designs and drawings including cost and conveyance of bars from approved sources to site of work, including cost and conveyance of binding wire, cover blocks, chairs, overlaps, spacers, dowels, wastage etc., and all operational, incidental, and labour charges such as cutting, bending, placing in position, tying etc., and sales & other taxes, on cost of all materials complete for finished item of work											
	For Footings	1	x	1	196.28	2.75	Kg/Cft	539.77	Kg			
	For Pedestal	1	x	1	30.06	3.50	Kg/Cft	105.21	Kg			
	For Columns	1	x	1	102.06	3.40	Kg/Cft	347.00	Kg			
	For Plinth beams	1	x	1	84.65	2.75	Kg/Cft	232.79	Kg			
	For tie beams	1	x	1	97.50	2.75	Kg/Cft	268.13	Kg			
	For Lintels	1	x	1	7.92	1.50	Kg/Cft	11.88	Kg			
	For	1	x	1	2.25	1.00	Kg/	2.25	Kg			

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
	Sunshades					Cft				
						1.51	MT		1	MT
25	Supplying fabricating and fixing in position all heavy steel works like trusses, stanchions, heavy beams and gutter (by using structural steel) including cost of welding rods, power charges, erecting in positions and fixing by using chain pulley blocks derek pole arrangements and cranes, etc complete.									
	Roof shed with king post truss an a span of 25'	1	x	40	25	1000	0.50	500.00	Kg	
	Purlins & Ties @ 18% of truss weight							90.00		
								590.00	Kg	1 Kg
26	Supply and Fixing Roofing: - Roofing will be provided with 0.5mm thick galvanized / pre painted G.I. profiled sheets fixed to the purlins with 14 size self drilling screws with neoprene washer. Side laps are stitched with self tapping / drilling screws. End laps are to be sealed with 25x3 mm Butyl tape. The sheets are provided with anti capillary grove. complete including cost and conveyance of all materials to site, sales and other axes, all labour charges etc., complete for finished item of work									
	Roof area	1	x	1	42		28	1176.00		
								1176.00	Sft	1 Sft
27	Providing 110 mm Dia ISI marked PVC (Sudhakar / Nandhini) down water take pipes with socket , 6kg/sq.cm pressure of ISI marked including cost of necessary PVC Bends, shoes, PVC clamps and all other accessories and fixing in position including cost and conveyance of all materials, sales & other taxes on materials to site, operational & incidental charges including all labour charges for fixing at site etc., and Overheads & Contractors profit complete for finished item of work.									
	DT pipes	1	x	2	20			40.00		
								40.00	Rft	1 Rft
									Total >>>	

In words (Rupees.....Only)

Schedule –4A

Estimated Quantities for Construction of Work shed For Yarn & Mat Making (GI Sheet Roof Shed) (50' X 20') At Nuagaon (V), Rjakanika Block, Kenderapara District, Odisha.

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
1	Earth work excavation and depositing on bank (manual means) with initial lead of 10m and initial lift of 3m in Loamy & Clayey Soils like BC Soils, Red Earth & Ordinary Gravelly Soils (SS 20-B) including all operational incidental labour charges such as shoring, strutting, sheeting, planking and dewatering including cost of hire charges of T & P, labour charges etc., complete for finished item of work excluding seignorage charges and dewatering charges etc., complete for Foundation of Building.									
	F1	1	x	8	4.00	5.00	5.00	800.00		
	Basement walls									
	Long wall	1	x	2	14.00	2.00	1.50	84.00		
	Short wall	1	x	2	15.50	2.00	1.50	93.00		
								977.00	Cft	1 Cft
2	Plain Cement Concrete corresponding to M7.5 grade as per IS 456 equivalent to (1:4:8) proportion nominal mix (cement: fine aggregate: Coarse aggregate) using 40mm size Hard Blasted Granite (IS383, 1970) metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, including sales & other taxes on all materials, all operational, incidental, and labour charges such as mixing, laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete, etc., complete but excluding seignorage charges, for finished item of work for Foundations									
	F1	1	x	8	4.00	5.00	0.33	53.33		
	Basement walls									
	Long wall	1	x	2	14.00	2.00	0.33	18.48		
	Short wall	1	x	2	15.50	2.00	0.33	20.46		
	Flooring bed	1	x	1	48.50	18.50	0.33	299.08		
								391.35	Cft	1 Cft

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit		Amount
		Nos.	L	B	D						
1	2	3	4	5	6	7	8	9	10	11	
3	Vibrated Reinforced Cement Concrete M 20 Design Mix (by weigh batching) using 20mm size (SS5) hard blasted granite machine crushed graded metal (Coarse aggregate) from approved quarry, using a minimum quantity of 350 kgs. of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of all materials including centering using Cashewrina Ballies and Wooden runners & staging including all bracings, cross members etc., shuttering , machine mixing, laying concrete, vibrating, lift charges, curing etc., complete but excluding cost of steel and it's fabrication charges for finished item of work but excluding seigniorage charges										
a	For Footings :-										
	F1	1	x	8	4.67	4.67	1.50	261.70			
								261.70	Cft	1 Cft	
b	For Pedestals :-										
	F1/P1	1	x	8	1.67	1.50	2.00	40.08			
								40.08	Cft	1 Cft	
c	For Columns : upto bottom of the plinth beam										
	C1	1	x	8	0.75	1.50	0.90	8.10			
								8.10	Cft	1 Cft	
4	Plain Cement Concrete corresponding to M5 grade as per IS 456 equivalent to (1:5:10) proportion nominal mix (cement: fine aggregate: Coarse aggregate) using 40mm size Hard Blasted Granite (IS383, 1970) metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, including sales & other taxes on all materials, all operational, incidental, and labour charges such as mixing, laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete, etc., complete but excluding seigniorage charges for finished item of work for Foundations and Flooring Bed										
	Bottom of Plinth Beam:-										
	Intermediate beams	1	x	2	18.5	0.75	1.33	36.90			

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit		Amount
		Nos.	L	B	D						
1	2	3	4	5	6	7	8	9	10	11	
						36.90	Cft		1 Cft		
5	Random Rubble stone masonry, in CM (1:8) prop: (Cement: Sand) using Hard blasted Granite stones from approved quarry including cost and conveyance of all materials like Granite stones, cement, sand, water, etc., to site sales & other taxes on all materials, all operational, incidental, and labour charges such as cutting stones to required size and shape, mixing of cement mortar, constructing masonry, curing etc., complete but excluding seigniorage charges for finished item of work for foundation and basement										
	Basement wall between Columns										
		1	x	2	45.50	1.50	3.17	432.70			
		1	x	2	18.50	1.50	3.17	175.93			
								608.63	Cft	1 Cft	
6	Filling with Sand Cushion under footings with initial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyance of water to the work site and all operational & incidental charges, labour charges, seigniorage charges, hire and operational charges of T & P etc., complete for finished item of work.										
	Basement filling	1	x	1	48.75	19.75	1.50	1444.21			
								1444.21	Cft	1 Cft	
7	Filling with Gravel in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyance of water to the work site and all operational, incidental, labour charges, hire charges of T & P etc., complete but excluding seigniorage charges, for finished item of work.										
	Shed area	1	x	1	48.75	19.75	1.00	962.81			
								962.81	Cft	1 Cft	

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit		Amount
		Nos.	L	B	D						
1	2	3	4	5	6	7	8	9	10	11	
8	Vibrated Reinforced Cement Concrete M 20 Design Mix (by weigh batching / Mixer) using 20mm size (SS5) hard granite machine crushed graded metal (Coarse aggregate) from approved quarry, using a minimum quantity of 350 kgs. of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of all materials including centering using Cashewrina Ballies and Wooden runners & staging including all bracings, cross members etc., shuttering , machine mixing, laying concrete, vibrating, lift charges, curing etc., complete but excluding cost of steel and it's fabrication charges but excluding seigniorage charges for finished item of work										
a	For Plinth beams :-										
	Plinth beams										
	Long wall	1	x	2	50.00	0.75	0.75	56.25			
	Short wall	1	x	4	18.50	0.75	0.75	41.62			
								97.87	Cft	1 Cft	
b	Columns up to roof										
	C1	1	x	8	0.75	1.50	15	135.00			
								135.00	Cft	1 Cft	
c	For Roof beams; -										
	Tie beam- all round	1	x	1	140.00	0.75	1.00	105.00			
								105.00	Cft	1 Cft	
9	Reinforced Cement Concrete M 20 Design Mix (by weigh batching) using 20mm size (SS5) hard blasted granite machine crushed graded metal (Coarse aggregate) from approved quarry, using a minimum quantity of 350 kgs. of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of all materials including centering using Cashewrina Ballies and Wooden runners & staging including all bracings, cross members etc., shuttering , machine mixing, laying concrete, lift charges, curing etc., complete but excluding cost of steel and it's fabrication charges but excluding seigniorage charges for finished item of work Lintels :-										

Sl. No.	Description of item	Measurements					QTY	Unit	Rate	Per Unit		Amount
		Nos.			L	B				D		
1	2	3			4	5	6	7	8	9	10	11
	Ground Floor											
	Rolling shutters	1	x	1	12.00	0.75	0.33	2.97				
	RS-1	1	x	2	8.30	0.75	0.33	4.10				
	Windows	1	x	8	3.50	0.75	0.33	6.93				
								14.00	Cft		1 Cft	
10	Brick Masonry in superstructure with CM (1:8) prop: using Fly ASH Bricks of size 290x225x140mm with compressive of 50 Kgs / Sqcm from approved source including cost and conveyance of all materials like cement, sand, fly ash bricks, water etc., to site, including sales & other taxes on all materials, all operational, incidental and labour charges such as mixing cement mortar, constructing masonry, scaffolding charges, lift charges, curing, etc., complete but excluding seigniorage charges for finished item of work.											
	Up to Lintel level											
	Allround brick wall	1	x	1	140.00	0.75	7	735.00				
	Up to Roof level Above LL											
	Allround brick wall	1	x	1	140.00	0.75	6	630.00				
	Deduct Columns	1	x	8	0.75	1.50	13	-117.00				
	Deduct Rolling shutter	1	x	1	12.00	0.75	7	-63.00				
	Deduct Rolling shutter	1	x	1	8.25	0.75	7	-43.31				
	Deduct Windows	1	x	6	3.00	0.75	5	-67.50				
								1074.19	Cft		1 Cft	

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit		Amount
		Nos.	L	B	D						
1	2	3	4	5	6	7	8	9	10	11	
11	Reinforced cement concrete with M 20 grade Design mix (by weigh batching) using 20mm size (SS 5) machine crushed hard blasted granite graded metal (coarse aggregate) from approved quarry using a minimum quantity of 350 Kg of cement per 1 Cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand) ,coarse aggregate, water etc. to site and cost of all materials including centering using Cashewrina Ballies and Wooden runners & staging including all bracings, cross members etc., shuttering, machine mixing, laying concrete, for sunshade of 7.5cm thick at fixed end and 5cm thick at free end with an average thickness of 6.25cm including labour charges for mixing, laying, curing etc., complete but excluding cost of steel and its fabrication charges but excluding seigniorage charges for finished item of work										
	For sun shades										
	Rolling shutters RS-1	1	x	1	12.00	1.50	18.00				
	RS-2	1	x	1	9.00	1.50	13.50				
	Windows GF	1	x	6	3.00	1.50	27.00				
							58.50	Sft	1	Sft	
12	Plastering 12mm thick in two coats with base coat of 8mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) dubara sponge finish including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials,all operational, incidental and labour charges such as mixing mortar, scaffolding charges, lift charges, including cutting of Grooves wherever necessary as directed by Engineer - in - charge, finishing, curing, etc., complete but excluding seigniorage charges for Even Surfaces of Wall for finished item of work.										
	Internal plastering										
	Long wall	1	x	2	48.50		13.00	1261.00			
	Short wall	1	x	2	18.50		13.00	481.00			
							1742.00	Sft	1	Sft	

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit		Amount
		Nos.	L	B	D						
1	2	3	4	5	6	7	8	9	10	11	
13	Plastering 20mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) dubara sponge finish including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials, all operational, incidental and labour charges such as mixing mortar, scaffolding charges, lift charges, finishing, including cutting of Grooves wherever necessary as directed by Engineer - in - charge, curing, etc., complete but excluding seigniorage charges for Uneven Surfaces of Brick Wall for finished item of work. (External plastering)										
	Allround wall										
	Long wall	1	x	2	50.00	15.00	1500.00				
	Short wall	1	x	2	20.00	15.00	600.00				
	Deduction										
	Windows	1	x	6	3.00	5.00	-90.00				
	RS-1	1	x	1	12.00	7.00	-84.00				
	RS-2	1	x	1	8.25	7.00	-57.75				
							1868.25	Sft	1	Sft	
14	In - situ - Granolithic Concrete Flooring 20mm thick with CC(1:1:2) Prop: using 6mm to 12mm size HBG machine crushed metal laid monolithically over 100mm thick CC flooring bed (1:5:10) with 40mm HBG metal in alternate panels of size not exceeding 1.50m x 1.50m and finishing the top surface to required smoothness and slopes, thread lining as directed by the Engineer - in - charge including cost and conveyance of all materials like cement, sand, water, etc. to site, seigniorage charges, sales and other taxes on all materials, all operational, incidental and labour charges such as mixing of cement concrete, laying, curing, lift charges etc., complete for finished item of work										
	Shed area										
	Floor area	1	x	1	48.50	18.50	897.25				
							897.25	Sft	1	Sft	

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
15	Supply, diluting and injecting chemical emulsion for PRE-CONSTRUCTIONAL anti-termite treatment and creating a continuous chemical barrier under and around the column pits, wall trenches, basement excavation, top surface of plinth, junction of wall and floor, along the external perimeter of building, expansion joints, top surface of consolidated earth on which apron is to be laid, surroundings of pipes and conduits etc., complete as per specifications (Plinth area of building at ground floor only shall be measured for payment).									
	Shed area									
	a) Chloropyriphos emulsifiable concentrate 20% with 1% concentration or approved equivalent as specified.	1	x	1	48.50	18.5	897.25			
							897.25	Sft	1	Sft
16	Plain Cement Concrete corresponding to M15 grade as per IS 456 equivalent to (1:2:4) proportion nominal mix (cement: fine aggregate: Coarse aggregate) using 20mm size Hard Blasted Granite (IS383, 1970) Machine Crushed graded metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, including sales & other taxes on all materials, all operational, incidental and labour charges such as mixing, laying, curing concrete, etc., complete but excluding seigniorage charges for finished item of work									
	Flooring bed	1	x	1	48.50	18.50	0.33	299.08		
							299.08	Cft	1	Cft

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit		Amount
		Nos.	L	B	D						
1	2	3	4	5	6	7	8	9	10	11	
17	Providing & Fixing of Open able Windows with Flymesh made of pre-painted steel as per IS 513 of 0.58 mm thick galvanized as per IS 277 finish painted with a polyester paint and the section for outer frame of 72 x 55mm, centre mullion of 72 x 50mm, section for fixed glass beading section of 12 x 12 mm and section for shutters of 48 x 25 mm and outer frame & mullion sections with rebate for glazed shutters, fly mesh and a 20 mm provision for guard bars/grills and fly mesh shutter section of 20 x 40 mm, stay, handles, latch 2 Nos of heavy duty stainless steel pivot hinges per shutter and panelled and S.S. Mesh for fly mesh shutter (304 grade), fitted using rubber gaskets including fixing the windows in the concrete/masonry wall by means of self expanding screws, including 10mm Square guard bars with 6" (152.4mm) pitch , complete for three shutters.										
	Shed area	1	x	6	5.00		3.00	90.00			
								90.00	Sqm	1 Sqm	
18	Supply and fixing of MS Ventialtors of size 1.20 m x 0.45m with outer angular frame of rolled steel equal angle of ISA 2525 of size 25x25x4mm welded with safety bars of 10mm square rods at 100mm centre to centre horizontally and vertically included redoxide primer of grade-I quality, sales and other taxes, cost and conveyance of all materials to site, all labour charges etc., complete for finished item of work.										
		1	x	6				6.00			
								6.00	Nos	1 Nos	
19	Supply and fixing of MS Ventialtors of size 1.50 m x 0.45m with outer angular frame of rolled steel equal angle of ISA 2525 of size 25x25x4mm welded with safety bars of 10mm square rods at 100mm centre to centre horizontally and vertically included redoxide primer of grade-I quality, sales and other taxes, cost and conveyance of all materials to site, all labour charges etc., complete for finished item of work.										
	Windows	1	x	6				6.00			
								6.00	Nos	1 Nos	

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
20	Supply & fixing of Rolling shutter made of 80 x 1.25 mm machine rolled CRCA laths, interlocked together through their entire length and jointed together at the ends by end-locks, mounted on specially designed pipe shaft of 50mm dia nominal bore MS B class pipe with brackets, plates, guide channels, stoppers, bottom locking plates and arrangements for inside & outside locking with push-pull operations including cost of hood cover and springs complete, painted with one coat of approved steel primer, locks, ball bearings, all accessories etc complete for finished item of work as per special spn: 1108									
	RS	1	x	1	12.00		8	96.00		
	RS-1	1	x	1	8.25		8	66.00		
								162.00	Sft	1 Sft
21	Whiting to new walls in two coats with Birla White or equivalent quality to give an even shade after thoroughly brushing the surface to remove all loose powdered materials including cost and conveyance of all materials and water to site, sales & other taxes, all operational, incidental and labour charges such as cleaning the surface, painting, curing etc., complete for finished item of work for internal walls.									
	Internal wall surface									
	Long wall	1	x	2	48.50		16.00	1552.00		
	Short wall	1	x	2	18.50		16.00	592.00		
								2144.00	Sft	1 Sft
22	Painting to New walls with two coats of Acrylic Emulsion paint of superior quality of approved brand and shade over base coat of cement primer exterior grade -II making three coats in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, including cost and conveyance of all materials, cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work in all floors for external Walls.									
	External wall surface									

Sl. No.	Description of item	Measurements					QTY	Unit	Rate	Per Unit		Amount
		Nos.			L	B				D	10	
1	2	3			4	5	6	7	8	9	10	11
	Long wall	1	x	2	50.00		16.00	1600.00				
	Short wall	1	x	2	20.00		16.00	640.00				
	Ded Rolling shutter	1	x	1	12.00	7.00		-84.00				
	RS-1	1	x	1	8.25	7.00		-57.75				
	Ded Window	1	x	6	5.00	3.00		-90.00				
								2008.25	Sft		1	Sft
23	Painting to New Iron work with two coats of ready mixed synthetic enamel paint first quality all shades over an existing steel primer including cost and conveyance of all materials to site, sales & other taxes, incidental, operational and all labour charges etc., complete for finished item of work. .in All Floors											
	RS	1	x	2	12.00		7.00	168.00				
	W/V	6	x	2	8.25		7.00	693.00				
								861.00	Sft		1	Sft
24	Providing High Yield Strength Deformed (HYSD) steel bars (TATA,SAIL,VSP,Jindal & Shyam Steel) (Fe 500 grade as per IS 1786-1985) of 8mm to 40mm diameters, cutting, bending, to required sizes and shapes placing in position with cover blocks of approved size and binding wire of 20SWG, forming grills for reinforcement work as per approved designs and drawings including cost and conveyance of bars from approved sources to site of work, including cost and conveyance of binding wire, cover blocks, chairs, overlaps, spacers, dowels, wastage etc., and all operational, incidental, and labour charges such as cutting, bending, placing in position, tying etc., and sales & other taxes,on cost of all materials complete for finished item of work											
	For Footings	1	x	1	261.70	2.75	Kg/Cft	719.68	Kg			
	For Pedestal	1	x	1	40.08	3.50	Kg/Cft	140.28	Kg			
	For Columns	1	x	1	135.81	3.40	Kg/Cft	461.75	Kg			
	For Plinth beams	1	x	1	97.87	2.75	Kg/Cft	269.14	Kg			
	For tie beams	1	x	1	105.00	2.75	Kg/Cft	288.75	Kg			

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit		Amount
		Nos.		L	B				D		
1	2	3		4	5	6	7	8	9	10	11
	For Lintels	1	x	1	9.90	1.50	Kg/Cft	14.85	Kg		
	For Sunshades	1	x	1	2.03	1.00	Kg/Cft	2.03	Kg		
								1.90	MT	1	MT
25	Supplying fabricating and fixing in position all heavy steel works like trusses, stanchions, heavy beams and gutter (by using structural steel) including cost of welding rods, power charges, erecting in positions and fixing by using chain pulley blocks derek pole arrangements and cranes, etc complete.										
	Roof shed with king post truss an a span of 20'	1	x	50	20	1000	0.45	450.00	Kg		
	Purlins & Ties @ 18% of truss weight							81.00			
								531.00	Kg	1	Kg
26	Supply and Fixing Roofing: - Roofing will be provided with 0.5mm thick galvanized / pre painted G.I. profiled sheets fixed to the purlins with 14 size self drilling screws with neoprene washer. Side laps are stitched with self tapping / drilling screws. End laps are to be sealed with 25x3 mm Butyl tape. The sheets are provided with anti capillary grove. complete including cost and conveyance of all materials to site, sales and other axes, all labour charges etc., complete for finished item of work										
	Roof area	1	x	1	22		52	1144.00			
								1144.00	Sft	1	Sft
27	Providing 110 mm Dia ISI marked PVC (Sudhakar / Nandhini) down water take pipes with socket , 6kg/sq.cm pressure of ISI marked including cost of necessary PVC Bends, shoes, PVC clamps and all other accessories and fixing in position including cost and conveyance of all materials, sales & other taxes on materials to site, operational & incidental charges including all labour charges for fixing at site etc., and Overheads & Contractors profit complete for finished item of work.										
	DT pipes	1	x	2	20			40.00			
								40.00	Rft	1	Rft

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
									Total >>>	

In words (Rupees.....Only)

Schedule -5A

Estimated Quantities for Construction of Work Shed for Coir Yarn & Mat Making (GI Sheet Roof Shed) (40' X 25') at Kujjipur (V) Rajkanika Block, Kenderapara District, Odisha

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
1	Earth work excavation and depositing on bank (manual means) with initial lead of 10m and initial lift of 3m in Loamy & Clayey Soils like BC Soils, Red Earth & Ordinary Gravelly Soils (SS 20-B) including all operational incidental labour charges such as shoring, strutting, sheeting, planking and dewatering including cost of hire charges of T & P, labour charges etc., complete for finished item of work excluding seignorage charges and dewatering charges etc., complete for Foundation of Building.									
	F1	1	x	6	4.00	4.00	5.00	480.00		
	Basement walls									
	Long wall	1	x	2	13.00	2.00	1.50	78.00		
	Short wall	1	x	2	20.50	2.00	1.50	123.00		
							681.00	Cft	1	Cft
2	Plain Cement Concrete corresponding to M7.5 grade as per IS 456 equivalent to (1:4:8) proportion nominal mix (cement: fine aggregate: Coarse aggregate) using 40mm size Hard Blasted Granite (IS383, 1970) metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, including sales & other taxes on all materials, all operational, incidental, and labour charges such as mixing, laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete, etc., complete but excluding seignorage charges, for finished item of work for Foundations									
	F1	1	x	6	4.00	5.00	0.33	40.00		
	Basement walls									
	Long wall	1	x	2	13.00	2.00	0.33	17.16		
	Short wall	1	x	2	20.50	2.00	0.33	27.06		
	Flooring bed	1	x	1	38.50	23.50	0.33	301.58		

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit		Amount
		Nos.	L	B	D						
1	2	3	4	5	6	7	8	9	10	11	
						385.80	Cft		1	Cft	
3	Vibrated Reinforced Cement Concrete M 20 Design Mix (by weigh batching) using 20mm size (SS5) hard blasted granite machine crushed graded metal (Coarse aggregate) from approved quarry, using a minimum quantity of 350 kgs. of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of all materials including centering using Cashewrina Ballies and Wooden runners & staging including all bracings, cross members etc., shuttering , machine mixing, laying concrete, vibrating, lift charges, curing etc., complete but excluding cost of steel and it's fabrication charges for finished item of work but excluding seigniorage charges										
a	For Footings :-										
	F1	1	x	6	4.67	4.67	1.50	196.28			
								196.28	Cft	1 Cft	
b	For Pedestals :-										
	F1/P1	1	x	6	1.67	1.50	2.00	30.06			
								30.06	Cft	1 Cft	
c	For Columns : upto bottom of the plinth beam										
	C1	1	x	6	0.75	1.50	0.90	6.07			
								6.07	Cft	1 Cft	
4	Plain Cement Concrete corresponding to M5 grade as per IS 456 equivalent to (1:5:10) proportion nominal mix (cement: fine aggregate: Coarse aggregate) using 40mm size Hard Blasted Granite (IS383, 1970) metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, including sales & other taxes on all materials, all operational, incidental, and labour charges such as mixing, laying and ramming concrete in layers in position not exceeding 15cm, finishing top surface, curing concrete, etc., complete but excluding seigniorage charges for finished item of work for Foundations and Flooring Bed										
	Bottom of										

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
	Plinth Beam:-									
	Intermediate beams	1	x	1	23.5	1.00	0.33	7.75		
								7.75	Cft	1 Cft
5	Random Rubble stone masonry, in CM (1:8) prop: (Cement: Sand) using Hard blasted Granite stones from approved quarry including cost and conveyance of all materials like Granite stones, cement, sand, water, etc., to site sales & other taxes on all materials, all operational, incidental, and labour charges such as cutting stones to required size and shape, mixing of cement mortar, constructing masonry, curing etc., complete but excluding seigniorage charges for finished item of work for foundation and basement									
	Basement wall between Columns									
		1	x	2	38.00	1.50	3.17	361.38		
		1	x	2	23.00	1.50	3.17	218.73		
								580.11	Cft	1 Cft
6	Filling with Sand Cushion under footings with initial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyance of water to the work site and all operational & incidental charges, labour charges, seigniorage charges, hire and operational charges of T & P etc., complete for finished item of work.									
	Basemnt filling	1	x	1	37.00	22.00	1.50	1221.00		
								1221.00	Cft	1 Cft
7	Filling with Gravel in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick, consolidating each deposited layer by watering and ramming including cost and conveyance of water to the work site and all operational, incidental, labour charges, hire charges of T & P etc., completebut but excluding seigniorage charges, for finished item of work.									
	Shed area	1	x	1	37.00	22.00	1.00	814.00		

Sl . N o.	Description of item	Measurements				QTY	Unit	Rate	Per Unit		Amount
		Nos.	L	B	D						
1	2	3	4	5	6	7	8	9	10	11	
						814.00	Cft		1	Cft	
8	Vibrated Reinforced Cement Concrete M 20 Design Mix (by weigh batching / Mixer) using 20mm size (SS5) hard granite machine crushed graded metal (Coarse aggregate) from approved quarry, using a minimum quantity of 350 kgs. of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of all materials including centering using Cashewrina Ballies and Wooden runners & staging including all bracings, cross members etc., shuttering , machine mixing, laying concrete, vibrating, lift charges, curing etc., complete but excluding cost of steel and it's fabrication charges but excluding seigniorage charges for finished item of work										
a	For Plinth beams :-										
	Plinth beams										
	Long wall	1	x	2	40.0 0	0.7 5	0.75	45.00			
	Short wall	1	x	3	23.5 0	0.7 5	0.75	39.65			
								84.65	Cft	1 Cft	
b	Columns up to roof										
	C1	1	x	6	0.75	1.5 0	15	101.25			
								101.25	Cft	1 Cft	
c	For Roof beams; -										
	Tie beam- all round	1	x	1	130. 00	0.7 5	1.00	97.50			
								97.50	Cft	1 Cft	

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
9	Reinforced Cement Concrete M 20 Design Mix (by weigh batching) using 20mm size (SS5) hard blasted granite machine crushed graded metal (Coarse aggregate) from approved quarry, using a minimum quantity of 350 kgs. of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of all materials including centering using Cashewrina Ballies and Wooden runners & staging including all bracings, cross members etc., shuttering , machine mixing, laying concrete, lift charges, curing etc., complete but excluding cost of steel and it's fabrication charges but excluding seigniorage charges for finished item of work Lintels :-									
	Ground Floor									
	Rolling shutters	1	x	1	12.00	0.75	0.33	2.97		
	RS-1	1	x	2	8.30	0.75	0.33	4.10		
	Windows	1	x	4	5.00	0.75	0.33	4.95		
							12.02	Cft	1	Cft
10	Brick Masonry in superstructure with CM (1:8) prop: using Fly ASH Bricks of size 290x225x140mm with compressive of 50 Kgs / Sqcm from approved source including cost and conveyance of all materials like cement, sand, fly ash bricks, water etc., to site, including sales & other taxes on all materials, all operational, incidental and labour charges such as mixing cement mortar, constructing masonry, scaffolding charges, lift charges, curing, etc., complete but excluding seigniorage charges for finished item of work.									
	Up to Lintel level									
	Allround brick wall	1	x	1	130.00	0.75	7	682.50		
	Up to Roof level Above LL									
	Allround brick wall	1	x	1	130.00	0.75	6	585.00		
	Deuct Columns	1	x	6	0.75	1.50	15	-101.25		
	Deduct Rolling shutter	1	x	1	12.00	0.75	7	-63.00		
	Deduct Rolling shutter	1	x	1	8.25	0.75	7	-43.31		
	Deduct	1	x	4	5.00	0.75	5	-75.00		

Sl . N o.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
	Windows			5						
						984.94	Cft		1 Cft	
11	Reinforced cement concrete with M 20 grade Design mix (by weigh batching) using 20mm size (SS 5) machine crushed hard blasted granite graded metal (coarse aggregate) from approved quarry using a minimum quantity of 350 Kg of cement per 1 Cum of concrete including cost and conveyance of all materials like cement, fine aggregate (sand) ,coarse aggregate, water etc. to site and cost of all materials including centering using Cashewrina Ballies and Wooden runners & staging including all bracings, cross members etc., shuttering, machine mixing, laying concrete, for sunshade of 7.5cm thick at fixed end and 5cm thick at free end with an average thickness of 6.25cm including labour charges for mixing, laying, curing etc., complete but excluding cost of steel and its fabrication charges but excluding seigniorage charges for finished item of work									
	For sun shades									
	Rolling shutters RS-1	1	x	1	12.0 0	1.5 0	18.00			
	RS-2	1	x	1	9.00	1.5 0	13.50			
	Windows GF	1	x	4	5.00	1.5 0	30.00			
							61.50	Sft	1 Sft	
12	Plastering 12mm thick in two coats with base coat of 8mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) dubara sponge finish including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials,all operational, incidental and labour charges such as mixing mortar, scaffolding charges, lift charges, including cutting of Grooves wherever necessary as directed by Engineer - in - charge, finishing, curing, etc., complete but excluding seigniorage charges for Even Surfaces of Wall for finished item of work.									
	Internal plastering									
	Long wall	1	x	2	38.5 0	16.0 0	1232.0 0			
	Short wall	1	x	2	23.5 0	16.0 0	752.00			
							1984.0 0	Sft	1 Sft	

Sl . N o.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
13	Plastering 20mm thick in two coats with base coat of 16mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) dubara sponge finish including cost and conveyance of all materials like cement, sand, water etc., to site, sales & other taxes on all materials, all operational, incidental and labour charges such as mixing mortar, scaffolding charges, lift charges, finishing, including cutting of Grooves wherever necessary as directed by Engineer - in - charge, curing, etc., complete but excluding seigniorage charges for Uneven Surfaces of Brick Wall for finished item of work. (External plastering)									
	Allround wall									
	Long wall	1	x	2	40.0 0	16. 00		1280.0 0		
	Short wall	1	x	2	25.0 0	16. 00		800.00		
	Deduction									
	Windows	1	x	- 4	5.00	5.0 0		-100.00		
	RS-1	1	x	- 1	12.0 0	7.0 0		-84.00		
	RS-2	1	x	- 1	8.25	7.0 0		-57.75		
								1838.2 5	Sft	1 Sft
14	In - situ - Granolithic Concrete Flooring 20mm thick with CC(1:1:2) Prop: using 6mm to 12mm size HBG machine crushed metal laid monolithically over 100mm thick CC flooring bed (1:5:10) with 40mm HBG metal in alternate panels of size not exceeding 1.50m x 1.50m and finishing the top surface to required smoothness and slopes, thread lining as directed by the Engineer - in - charge including cost and conveyance of all materials like cement, sand, water, etc. to site, seigniorage charges, sales and other taxes on all materials, all operational, incidental and labour charges such as mixing of cement concrete, laying, curing, lift charges etc., complete for finished item of work									
	Shed area									
	Floor area	1	x	1	38.5 0	23. 50		904.75		
								904.75	Sft	1 Sft

Sl . N o.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
15	Supply, diluting and injecting chemical emulsion for PRE-CONSTRUCTIONAL anti-termite treatment and creating a continuous chemical barrier under and around the column pits, wall trenches, basement excavation, top surface of plinth, junction of wall and floor, along the external perimeter of building, expansion joints, top surface of consolidated earth on which apron is to be laid, surroundings of pipes and conduits etc., complete as per specifications (Plinth area of building at ground floor only shall be measured for payment).									
	Shed area									
	a) Chloropyriphos emulsifiable concentrate 20% with 1% concentration or approved equivalent as specified.	1	x	1	40.0 0	23.5	940.00			
							940.00	Sft	1	Sft
16	Plain Cement Concrete corresponding to M15 grade as per IS 456 equivalent to (1:2:4) proportion nominal mix (cement: fine aggregate: Coarse aggregate) using 20mm size Hard Blasted Granite (IS383, 1970) Machine Crushed graded metal from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, including sales & other taxes on all materials, all operational, incidental and labour charges such as mixing, laying, curing concrete, etc., complete but excluding seigniorage charges for finished item of work									
	Flooring bed	1	x	1	23.5 0	38. 50	0.33	301.58		
	Ramp base	1	x	1	10.0 0	5.0 0	0.33	16.66		
							318.24	Cft	1	Cft

Sl . N o.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
17	Providing & Fixing of Open able Windows with Flymesh made of pre-painted steel as per IS 513 of 0.58 mm thick galvanized as per IS 277 finish painted with a polyester paint and the section for outer frame of 72 x 55mm, centre mullion of 72 x 50mm, section for fixed glass beading section of 12 x 12 mm and section for shutters of 48 x 25 mm and outer frame & mullion sections with rebate for glazed shutters, fly mesh and a 20 mm provision for guard bars/grills and fly mesh shutter section of 20 x 40 mm, stay, handles, latch 2 Nos of heavy duty stainless steel pivot hinges per shutter and panelled and S.S. Mesh for fly mesh shutter (304 grade), fitted using rubber gaskets including fixing the windows in the concrete/masonry wall by means of self expanding screws, including 10mm Square guard bars with 6" (152.4mm) pitch , complete for three shutters.									
	Shed area	1	x	4	5.00		5.00	100.00		
								100.00	Sqm	1 Sqm
18	Supply and fixing of MS Ventialtors of size 1.20 m x 0.45m with outer angular frame of rolled steel equal angle of ISA 2525 of size 25x25x4mm welded with safety bars of 10mm square rods at 100mm centre to centre horizontally and vertically included redoxide primer of grade-I quality, sales and other taxes, cost and conveyance of all materials to site, all labour charges etc., complete for finished item of work.									
		1	x	4				4.00		
								4.00	Nos	1 Nos
19	Supply and fixing of MS Ventialtors of size 1.50 m x 0.45m with outer angular frame of rolled steel equal angle of ISA 2525 of size 25x25x4mm welded with safety bars of 10mm square rods at 100mm centre to centre horizontally and vertically included redoxide primer of grade-I quality, sales and other taxes, cost and conveyance of all materials to site, all labour charges etc., complete for finished item of work.									
	Windows	1	x	4				4.00		
								4.00	Nos	1 Nos

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount
		Nos.	L	B	D					
1	2	3	4	5	6	7	8	9	10	11
20	Supply & fixing of Rolling shutter made of 80 x 1.25 mm machine rolled CRCA laths, interlocked together through their entire length and jointed together at the ends by end-locks, mounted on specially designed pipe shaft of 50mm dia nominal bore MS B class pipe with brackets, plates, guide channels, stoppers, bottom locking plates and arrangements for inside & outside locking with push-pull operations including cost of hood cover and springs complete, painted with one coat of approved steel primer, locks, ball bearings, all accessories etc complete for finished item of work as per special spn: 1108									
	RS	1	x	1	12.0 0	8	96.00			
	RS-1	1	x	1	8.25	8	66.00			
							162.00	Sft	1	Sft
21	Whiting to new walls in two coats with Birla White or equivalent quality to give an even shade after thoroughly brushing the surface to remove all loose powdered materials including cost and conveyance of all materials and water to site, sales & other taxes, all operational, incidental and labour charges such as cleaning the surface, painting, curing etc., complete for finished item of work for internal walls.									
	Internal wall surface									
	Long wall	1	x	2	23.5 0	16. 00	752.00			
	Short wall	1	x	2	23.5 0	16. 00	752.00			
							1504.00	Sft	1	Sft
22	Painting to New walls with two coats of Acrylic Emulsion paint of superior quality of approved brand and shade over base coat of cement primer exterior grade -II making three coats in all to give an even shade after thoroughly brushing the surface to remove all loose powdered materials, including cost and conveyance of all materials, including cost and conveyance of all materials, cost of brushes, water to site, etc., sales & other taxes, all operational, incidental and labour charges such as scaffolding charges, lift charges, curing etc., complete for finished item of work in all floors for external Walls.									
	External wall surface									
	Long wall	1	x	2	40.0 0	16.0 0	1280.0 0			
	Short wall	1	x	2	25.0 0	16.0 0	800.00			

Sl. No.	Description of item	Measurements				QTY	Unit	Rate	Per Unit	Amount		
		Nos.			L						B	D
1	2	3			4	5	6	7	8	9	10	11
	Ded Rolling shutter	1	x	1	12.00	7.00		-84.00				
	RS-1	1	x	1	8.25	7.00		-57.75				
	Ded Window	1	x	4	5.00	5.00		-100.00				
								1838.25	Sft		1 Sft	
23	Painting to New Iron work with two coats of ready mixed synthetic enamel paint first quality all shades over an existing steel primer including cost and conveyance of all materials to site, sales & other taxes, incidental, operational and all labour charges etc., complete for finished item of work. .in All Floors											
	RS	1	x	2	12.00		7.00	168.00				
	RS-1	1	x	2	8.25		7.00	115.50				
	W/V	4	x	2	5.00		5.00	200.00				
								483.50	Sft		1 Sft	
24	Providing High Yield Strength Deformed (HYSD) steel bars (TATA,SAIL,VSP,Jindal & Shyam Steel) (Fe 500 grade as per IS 1786-1985) of 8mm to 40mm diameters, cutting, bending, to required sizes and shapes placing in position with cover blocks of approved size and binding wire of 20SWG, forming grills for reinforcement work as per approved designs and drawings including cost and conveyance of bars from approved sources to site of work, including cost and conveyance of binding wire, cover blocks, chairs, overlaps, spacers, dowels, wastage etc., and all operational, incidental, and labour charges such as cutting, bending, placing in position, tying etc., and sales & other taxes, on cost of all materials complete for finished item of work											
	For Footings	1	x	1	196.28	2.75	Kg/Cft	539.77	Kg			
	For Pedestal	1	x	1	30.06	3.50	Kg/Cft	105.21	Kg			
	For Columns	1	x	1	102.06	3.40	Kg/Cft	347.00	Kg			
	For Plinth beams	1	x	1	84.65	2.75	Kg/Cft	232.79	Kg			
	For tie beams	1	x	1	97.50	2.75	Kg/Cft	268.13	Kg			
	For Lintels	1	x	1	7.92	1.50	Kg/Cft	11.88	Kg			
	For Sunshades	1	x	1	2.25	1.00	Kg/Cft	2.25	Kg			

Sl . N o.	Description of item	Measurements				QTY	Unit	Rate	Per Unit		Amount
		Nos.	L	B	D						
1	2	3	4	5	6	7	8	9	10	11	
						1.51	MT		1	MT	
25	Supplying fabricating and fixing in position all heavy steel works like trusses, stanchions, heavy beams and gutter (by using structural steel) including cost of welding rods, power charges, erecting in positions and fixing by using chain pulley blocks derek pole arrangements and cranes, etc complete.										
	Roof shed with king post truss an a span of 25'	1	x	4 0	25	100 0	0.50	500.00		Kg	
	Purlins & Ties @ 18% of truss weight							90.00			
								590.00		Kg	1 Kg
26	Supply and Fixing Roofing: - Roofing will be provided with 0.5mm thick galvanized / pre painted G.I. profiled sheets fixed to the purlins with 14 size self drilling screws with neoprene washer. Side laps are stitched with self tapping / drilling screws. End laps are to be sealed with 25x3 mm Butyl tape. The sheets are provided with anti capillary groove. complete including cost and conveyance of all materials to site, sales and other axes, all labour charges etc., complete for finished item of work										
	Roof area	1	x	1	42		28	1176.0 0			
								1176.0 0		Sft	1 Sft
27	Providing 110 mm Dia ISI marked PVC (Sudhakar / Nandhini) down water take pipes with socket , 6kg/sq.cm pressure of ISI marked including cost of necessary PVC Bends, shoes, PVC clamps and all other accessories and fixing in position including cost and conveyance of all materials, sales & other taxes on materials to site, operational & incidental charges including all labour charges for fixing at site etc., and Overheads & Contractors profit complete for finished item of work.										
	DT pipes	1	x	2	20			40.00			
								40.00		Rft	1 Rft
									Total >>>		

In words (Rupees.....Only)

PART – I

Date: _____

From :

Name :
Address :
Phone :
Fax :
Email:
Website:

To

The Secretary
Society for National Excellence and Higher Achievement (SNEHA),
HIG 228 ,Kananbihar, phase - 1, Post - Patia, Bhubaneswar, Dist - Khurdha, Odisha ,
PIN – 751031
Mob : 94372 68044
Email: ngosneha228@gmail.com

Sir,

Sub: Re-Tender for construction of 5 Work Sheds for CFCs of Rjakanikda Coir Cluster at different locations in Kenderapra District, Odisha – Submission of **Part I** – Reg.

Ref: Your Tender Notice No. _____ dated. _____

With reference to your tender notice, we submit herewith our sealed tender for Construction of 5 Work Sheds at at (i) Akhulipada (ii) Akhulipada (iii) Pandarukoli (iv) Nuagaon (v) Kujjipur village, for CFCs of Rajkanika Coir Cluster, Kenderapara District, Odisha as specified by M/s SNEHA, Bhubaneswar.

We enclose the following documents:

1. Demand Draft for Rs. _____ (Rupees _____ Only), towards EMD (DD) No. _____ dated, _____ drawnon _____ Bank in favour of HI Account “M/s SNEHA”, payable at Bhubaneswar.
2. Tender conditions duly signed in each page and enclosed in token of accepting the Tender conditions.
3. Letter of Authorization for authorized signatory from the tenderer organization.
4. Details of the Tenderer (as per Annexure-III)

5. Average annual Turnover of the legal entity in the 3 preceding financial years duly certified by a Chartered Accountant (as per Annexure – IV)
6. List of Building/Work Sheds construction works executed in last 3 years as per Annexure-V
7. Declaration for not having black listed by any other Govt. agencies (as per Annexure-VI).
8. Declaration for not having tampered the Tender documents downloaded from the websites www.coirboard.gov.in or www.apitco.org (Annexure-VII).
9. The copy of certificate of incorporation/registration (If applicable)
10. Copy of Memorandum and Articles of Association (If applicable)
11. Copy of Registered Partnership deed, in case of Partnership Firm (If applicable)
12. Copy of UdyogAadhaar/ GST Registration Certificate & PAN Card
13. Valid Registration Certificate from Valid Registration Certificate from PWD / CPWD / Highways department, any other Central/State Government Department
14. Work orders issued by the clients.
15. Performance Certificates issued by the clients
16. The Annual Report/certified copies of Balance Sheet, Profit & Loss A/c statement along with schedules for the last 3 financial years i.e., 2018-19, 2017-18 and 2016-17 should be enclosed.
17. Latest I.T returns
19. Notarized translated English version of the documents in a language other than English, if any

Thanking you,

Yours faithfully,

SIGNATURE OF THE TENDERER
(With seal and address)

Encl: As stated above

DETAILS OF THE TENDERER

1.	Name of the Tenderer	
2.	Registered office Address	Telephone Number: Fax: Email: Website, if any:
3.	Contact Person	Name: Designation: Phone: Mobile: Email:
4.	Date of Incorporation	
5.	Legal Status	Proprietorship/partnership/Pvt. Limited/Public Limited/ others(PL. mention)
6.	Eligible license holder of	
7.	Brief profile of the Tenderer	
8.	Number of staffs on regular payroll	Technical: Administration:
9.	GST Registration Number	
10.	PAN Number	

SIGNATURE OF THE TENDERER**(With seal and address)**

ANNEXURE-IV

ANNUAL TURNOVER STATEMENT

The Annual turnover of M/s.for the past three years are given below and certified that the statement is true and correct.

S.No	Year	Turnover (Rs. in Lakh)
1.	2018-19	
2.	2017-18	
3.	2016-17	
	Total	
Average annual turnover		

Note: Average Turnover of any three consecutive financial year will be considered i.e., FY 2018-19, 2017-18 and 2016-17

DATE:

SIGNATURE OF THE TENDERER

SIGNATURE OF CHARTERED ACCOUNTANT

(With seal and address)

ANNEXURE - V

List of clients for whom Civil Construction Works undertaken in the past 3 years

(Please provide the details for each project in separate sheet along with work Order/completion certificate from client)

S.No	Name & Address of the Client	Details of Work	Extent/Area covered in Sq.ft	Year of Completion	Cost (Rs.in Lakhs)	Work Order & Completion certificate enclosed (Yes/No)
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						

SIGNATURE OF THE TENDERER

(With seal and address)

CERTIFICATE

Date: _____

Certified that M/s...../ the firm/ company or its partners / share holders had not been blacklisted buy any Government Agencies.

SIGNATURE OF THE TENDERER

(With seal and address)

DECLARATION FORM

Date : _____

- a. I/We.....having our office at.....do declare that I / We have carefully read all the conditions of tender floated vide tender ref. no.....for Construction of Work Sheds for Common Facility Centres of Rajkanika Coir Cluster, Kenderapara District, Odisha will complete the contract as per the tender conditions.

- b. I/We have downloaded the tender document form the internet site, www.coirboard.nic.in, www.apitco.org. I/We have not tampered/modified the tender document in any manner. In case, if the same is found to be tampered/ modified, I/We understand that my/our tender will be summarily rejected and full Earnest Money Deposit will be forfeited and I/We am/are liable to be banned from doing business with M/s. SNEHA/Coir Board or prosecuted.

SIGNATURE OF THE TENDERER

(With seal and address)

PART-II

From,

Name:
Address:
Ph:
Fax:
E-mail:

To

The Secretary
Society for National Excellence and Higher Achievement (SNEHA),
HIG 228 ,Kananbihar, phase - 1, Post - Patia,
Bhubaneswar, Dist - Khurdha, Odisha ,
PIN – 751031
Mob : 94372 68044
Email: ngosneha228@gmail.com

Sir,

Sub: Tender for Construction of Work Sheds for Common Facility Centres at (i) Akhulipada (ii) Akhulipada (iii) Pandarukoli (iv) Nuagaon (v) Kujjipur village, of Rajkanika Coir Cluster, Kenderapara District, Odisha - **Submission of Part-II-Price Offer** - Reg.

Ref: Our tender (Technical Bid) submitted for “Construction of Work Sheds for Common Facility Centres of Rajkanika Coir Cluster, Kenderapara District, Odisha”.

In continuation of our above tender, we submit herewith the price offer for “Construction of Work Sheds for Common Facility Centres of Rajkanika Coir Cluster, Kenderapara District, Odisha” as specified by M/s. SNEHA in this tender document.

We agree to abide by the terms and conditions stipulated by the M/s. SNEHA and also agree to complete the entire contract, at the rates quoted by us. The rate quoted and approved by the M/s. SNEHA in this tender will hold good as per M/s. SNEHA tender conditions.

Yours faithfully,

SIGNATURE OF THE TENDERER

PRICE BID

I/We, Sri / Smt./M/s. do hereby express my/Our willingness to execute the aforesaid work/ item nos.----- of the schedule and supply material and machinery as per the conditions, standards, specifications, rules, regulations, etc., stipulated in the tender documents as per the price abstract tabulated below and also as per the detailed breakup enclosed to this price bid.

S.No	Name of the Work	Price in Figures	Price in Words
1	Construction of Work Shed for Coir, Yarn, Mat & Geo-Textile Making (0.5 Mm Thick Gi Coloured Industrial Sheet Roof Shed with Ms 75 mm And 50 Mm Pipe Section Truss Support below Roof Shed) (50' X 30') At Akhulipada (V) Rajkanika Block, Kenderapara District, Odisha.		
2	Construction of Shed For Raw Material Bank & Fibre Extraction (Swarna) (0.5 mm Thick GI Coloured Industrial Sheet Roof Shed With Ms 75 mm and 50 Mm Pipe Section Truss Support Below Roof Shed) (40' X 25') Akhulipada (V) Rajkanika Block, Kenderapara District, Odisha.		
3	Construction of Work Shed for Coir Yarn & Mat Making (0.5 mm Thick GI Coloured Industrial Sheet Roof Shed With MS 75 mm and 50 mm Pipe Section Truss Support Below Roof Shed) (40' X 25') at Plot No.209/608, Pandarukoli (V), Rajkanika Block, Kenderapara District, Odisha		
4	Construction of Work Shed For Coir yarn & Mat Making (0.5 mm		

S.No	Name of the Work	Price in Figures	Price in Words
	thick GI Coloured Industrial Sheet Roof Shed With Ms 75 mm and 50 mm Pipe Section Truss Support Below Roof Shed) (50' X 20') Plot No.2211, Khata No.300, Mouza: Kissam Gharabari Nuagaon (V), P.S: Rajkanika District-Kenderapara, Odisha		
5	Construction of Work Shed For Coir Yarn & Mat Making (0.5 mm thick GI Coloured Industrial Sheet Roof Shed With MS 75 mm and 50 mm Pipe Section Truss Support Below Roof Shed) (40' X 25') at Kujjipur (V) Rajkanika Block, Kenderapara District, Odisha		

Note: The price Bid is inclusive of all taxes, transport, labour and other expenses at site.

SIGNATURE

NAME OF THE BIDDER / AUTHORISED SIGNATORY

Seal

CHECKLIST OF DOCUMENTS

Documents to be enclosed in Part-I

S.No	Checklist	Enclosed (Yes/No)	Reference in the Bid(Page No.)
1.	A covering letter on your letter head addressed to the Secretary, M/s. SNEHA, HIG 228 ,Kananbihar, phase - 1, Post - Patia, Bhubaneswar, Dist - Khurdha, Odisha , PIN – 751031, Mob : 94372 68044, Email: ngosneha228@gmail.com (as per Annexure-II)		
2.	Tender conditions duly signed in each page and enclosed in token of accepting the Tender conditions		
3.	Demand Draft for Rs._____ (Rupees_____ only), in favour of “HI Account SNEHA”, payable at Bhubaneswar, towards Earnest Money Deposit.		
4.	Authorization letter from the Company for the person to sign the tender		
5.	Details of the Tenderer (as per Annexure-III)		
6.	Average annual turnover statement duly certified by a Chartered Accountant (as per Annexure-IV)		
7.	List of Building/Work Sheds construction works executed in last 3 years as per (Annexure-V)		
8.	Declaration for not having black listed by any other Govt. agencies (as per Annexure-VI)		
9.	Declaration for not having tampered the Tender documents downloaded from the websites www.coirboard.nic.in or www.apitco.org (Annexure-VII).		
10.	The copy of certificate of incorporation/registration.		
11.	Copy of Memorandum and Articles of Association		
12.	Copy of Registered Partnership deed, in case of Partnership Firm		
13.	Copy of Udyog Aadhaar, GST Registration Certificate & PAN Card		

Documents to be enclosed in Part-II

S.No	Check List	Enclosed (Yes/No)
1	A covering letter on the letter head addressed to The Secretary, M/s. SNEHA, HIG 228 ,Kananbihar, phase - 1, Post - Patia, Bhubaneswar, Dist - Khurdha, Odisha , PIN – 751031, Mob : 94372 68044, Email: ngosneha228@gmail.com (as per Annexure-VIII)	
2.	Price Bid as per Annexure-IX of the Tender document.	

Both 'Part I-Technical bid 'cover and 'Part II-Price bid' cover must be placed in a separate sealed cover superscripted as **“Rajkanika Coir Cluster-Re-Tender for Construction of Work Sheds for Common Facility Centres of Rajkanika Coir Cluster, Kenderapara District, Odisha”** and addressed to **“The Secretary,Society for National Excellence and Higher Achievement (SNEHA), HIG 228,Kananbihar phase - 1, Post - Patia, Bhubaneswar, Dist - Khurdha, Odisha , PIN – 751031, Mob: 94372 68044, 7978152533, Email: ngosneha228@gmail.com”**, containing the name and address of the Tenderer.

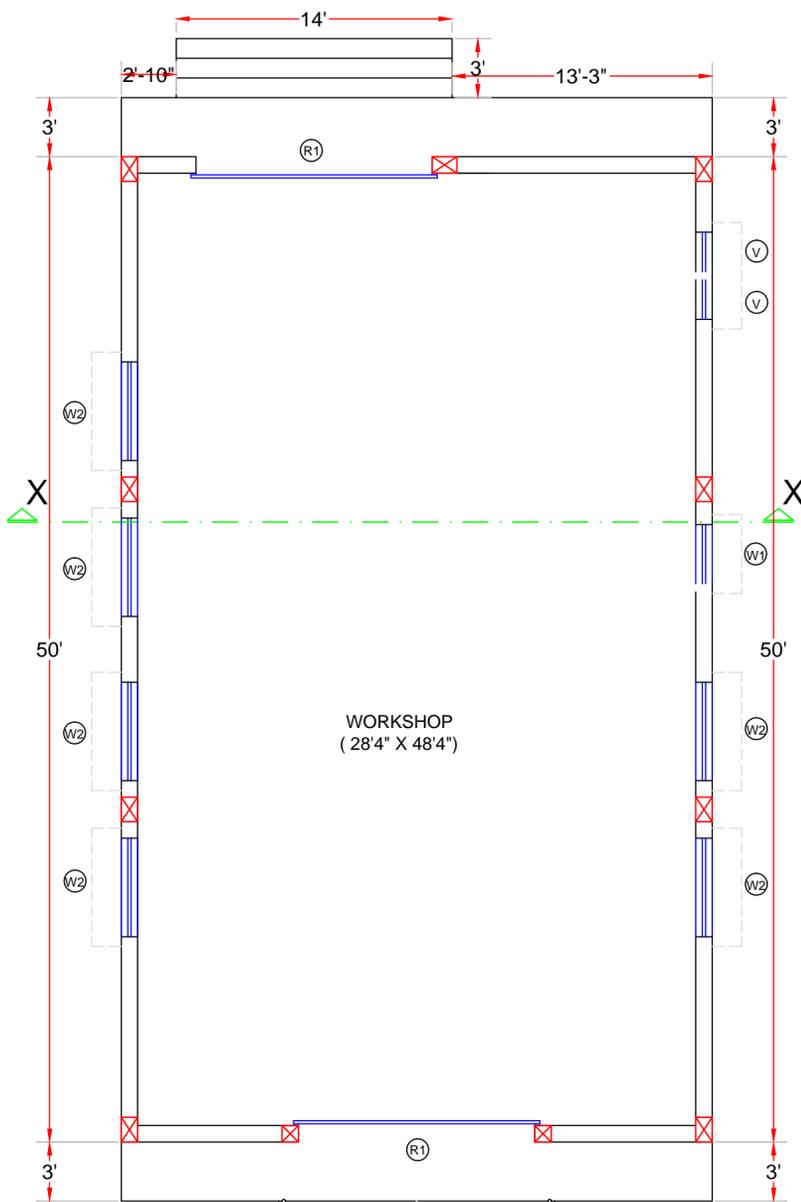
Note: Tenders submitted in unsealed cover would summarily be rejected.

Signature of the Tenderer with seal

Schedule – B

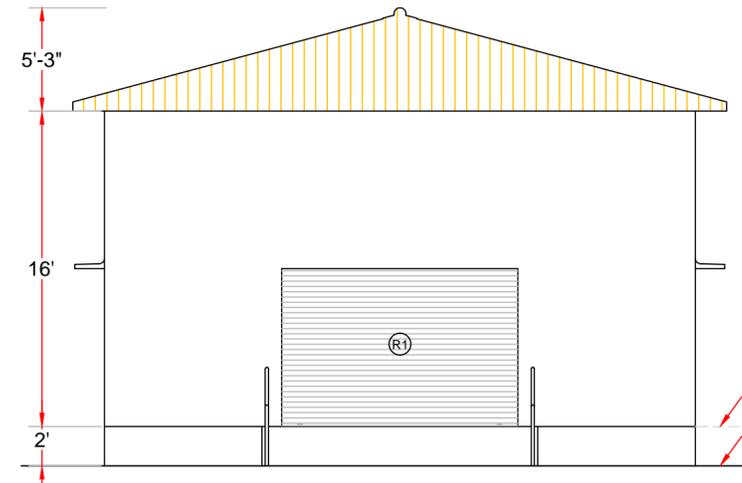
List of Drawings

S.No	Drawing No.
1	Plan & Section Drawing of Yarn, Mat & Geo-Textile making Work shed- Schedule-1A (50' x 30')
2	Plan & Section Drawing of Raw material Bank – Schedule 2A (40' x 25')
3	Plan & Section Drawing of Yarn & Mat making Work Shed – Schedule 3A (40' x 25')
4	Plan & Section Drawing of Yarn & Mat making Work Shed – Schedule 4A (50' x 20')
5	Plan & Section Drawing of Yarn & Mat making Work Shed – Schedule 5A (40' x 25')

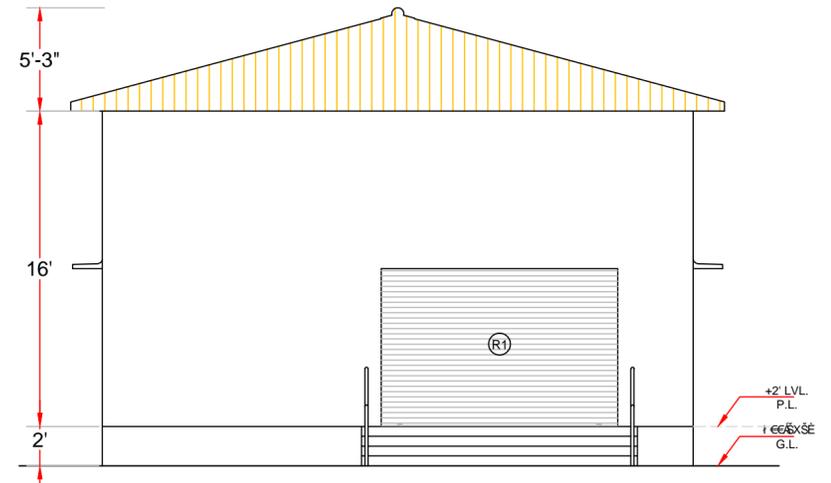


WORKSHOP
(28'4" X 48'4")

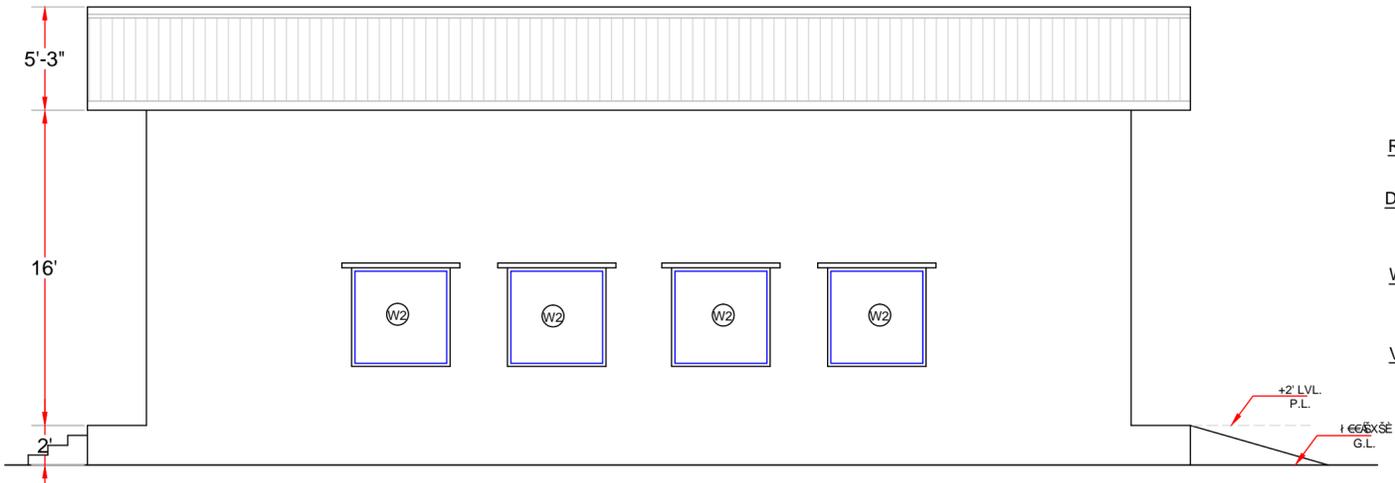
FLOOR PLAN



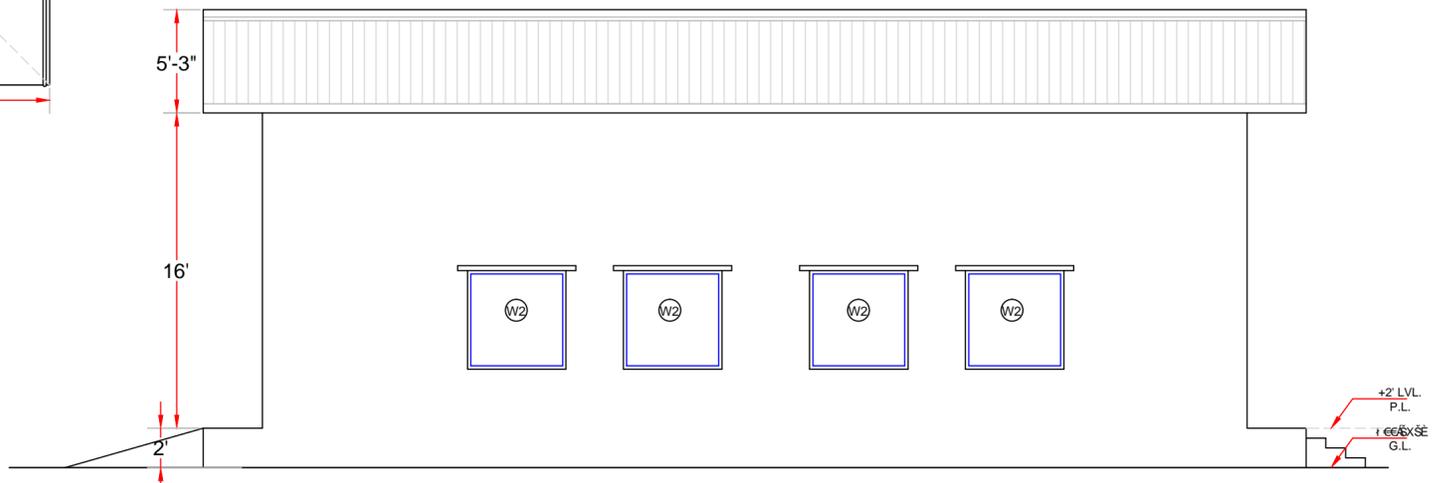
FRONT ELEVATION



REAR ELEVATION



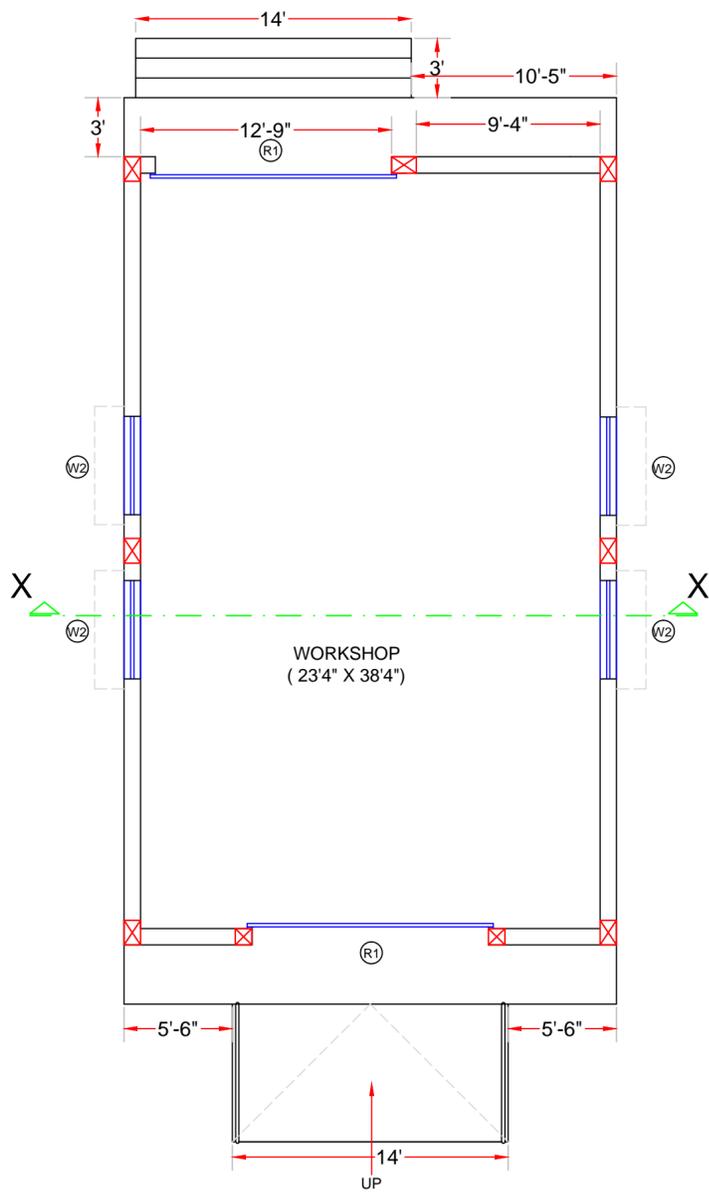
LEFT SIDE ELEVATION



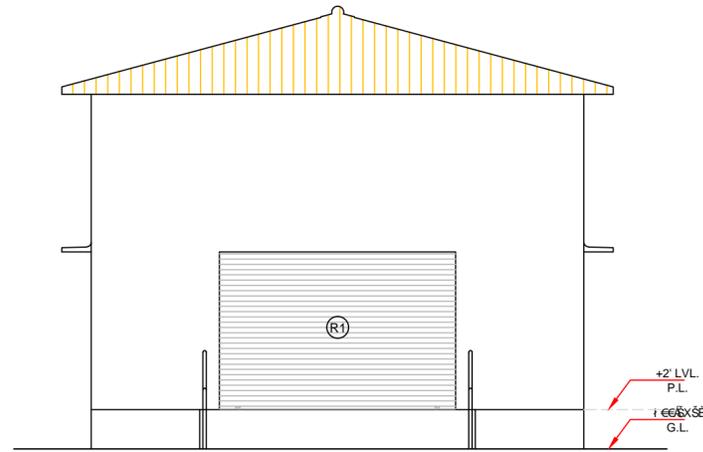
RIGHT SIDE ELEVATION

DOOR WINDOW SCHEDULE		
TYPE	DESCRIPTION	SIZE
ROLLING SHUTTER		
R1	M.S.ROLLING SHUTTER	(12' X 8')
DOORS		
D1	32mm PANEL DOOR	(3'3" X 7')
R1	32mm FLUSH DOOR	(2'6" X 7')
WINDOWS		
W1	UPVC SLIDING WINDOW	(3' X 5')
W2	UPVC SLIDING WINDOW	(5' X 5')
VENTILATOR		
V	GLASS LOUVERS VENT.	(2' X 2')

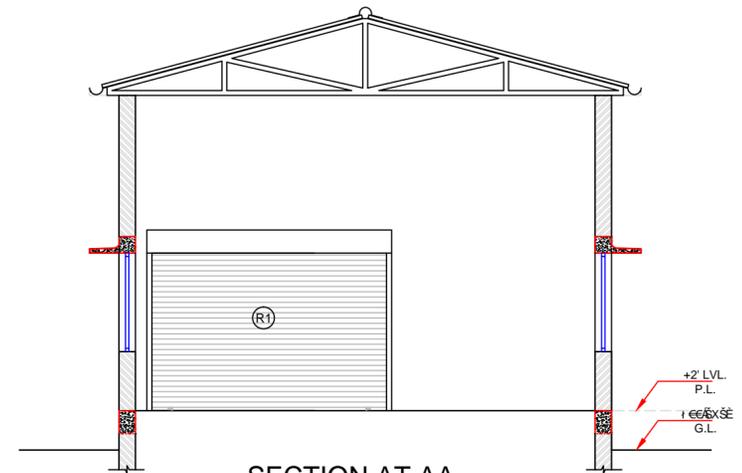
TITLE: **YARN, MAT AND GEO TEXTILE MAKING CFC WORK SHED AT AKHULIPADA (30' X 50')**



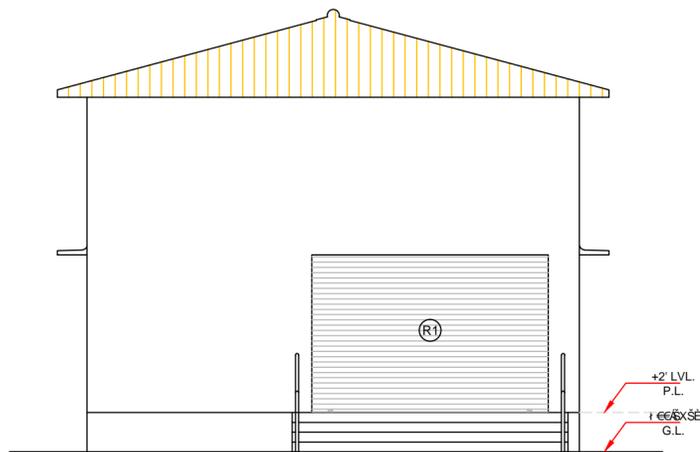
FLOOR PLAN



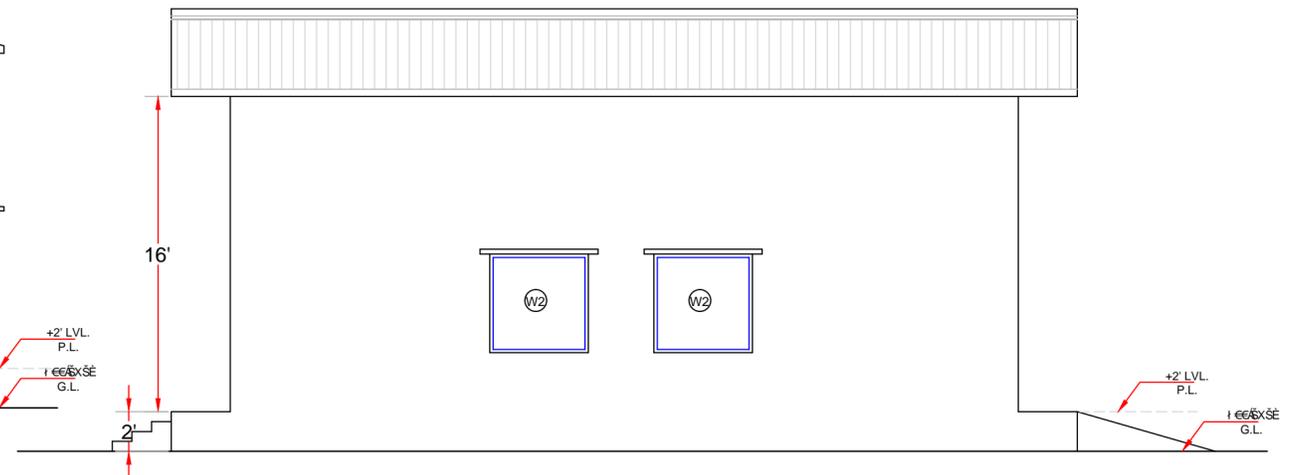
FRONT ELEVATION



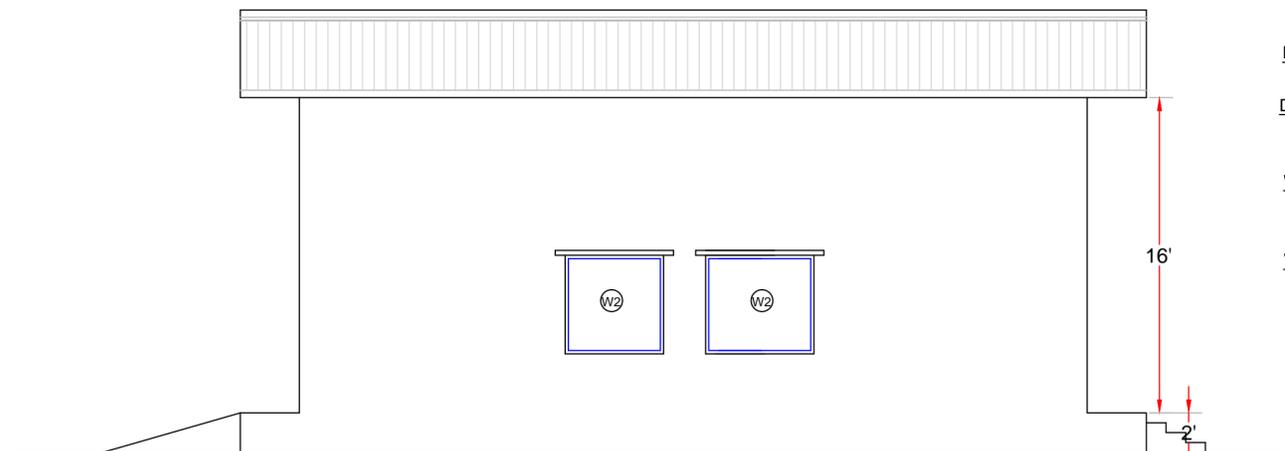
SECTION AT AA



REAR ELEVATION

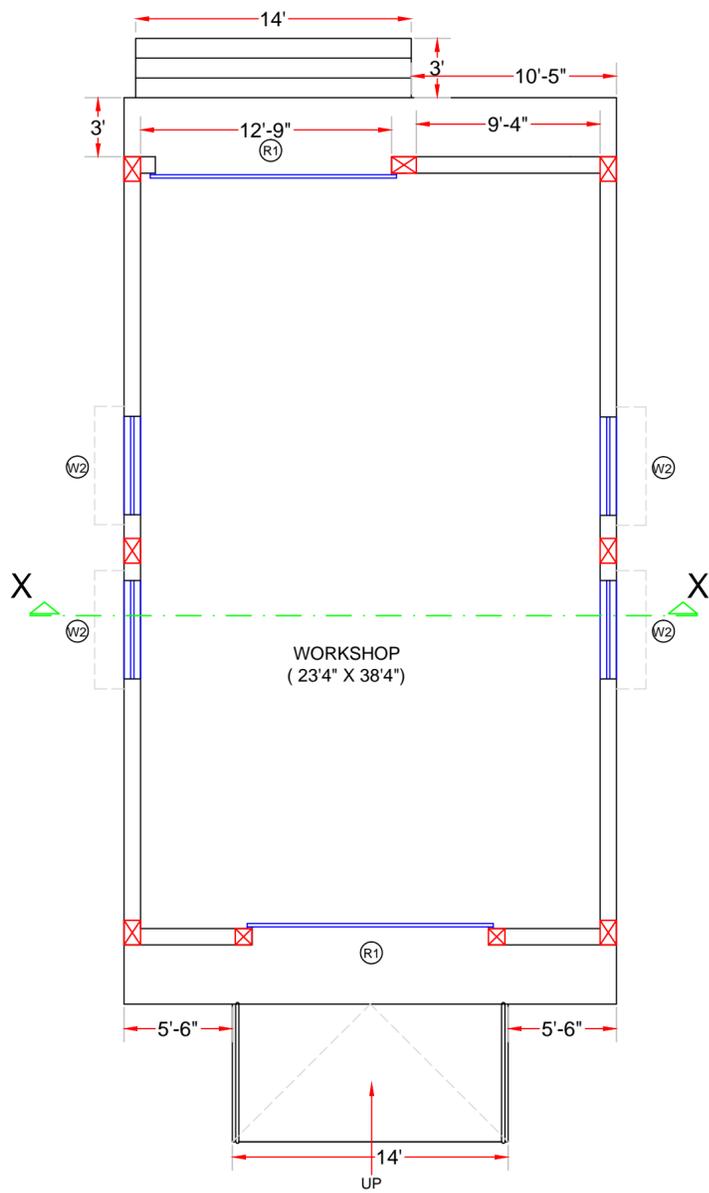


LEFT SIDE ELEVATION

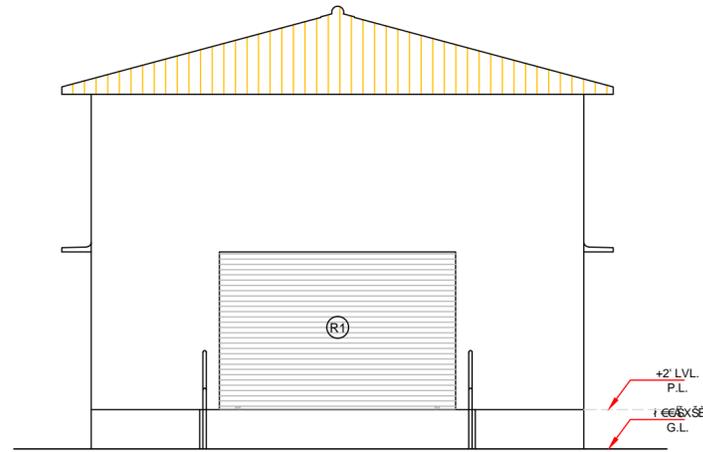


RIGHT SIDE ELEVATION

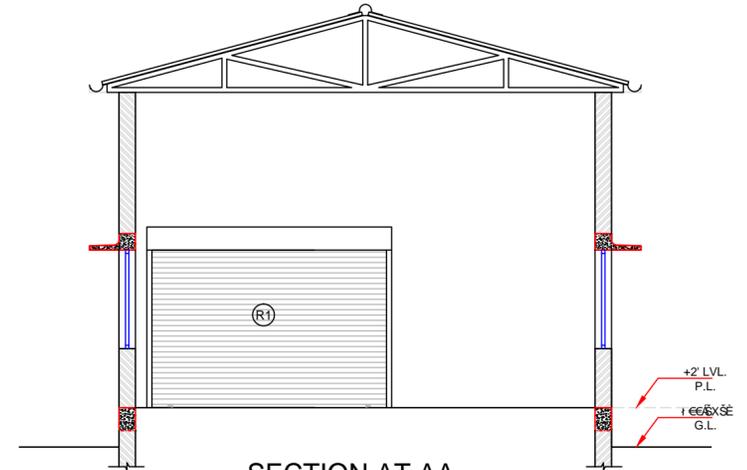
DOOR WINDOW SCHEDULE		
TYPE	DESCRIPTION	SIZE
ROLLING SHUTTER		
R1	M.S.ROLLING SHUTTER	(12' X 8')
DOORS		
D1	32mm PANEL DOOR	(3'3" X 7')
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VENTILATOR		
V	GLASS LOUVERS VENT.	(2' X 2')



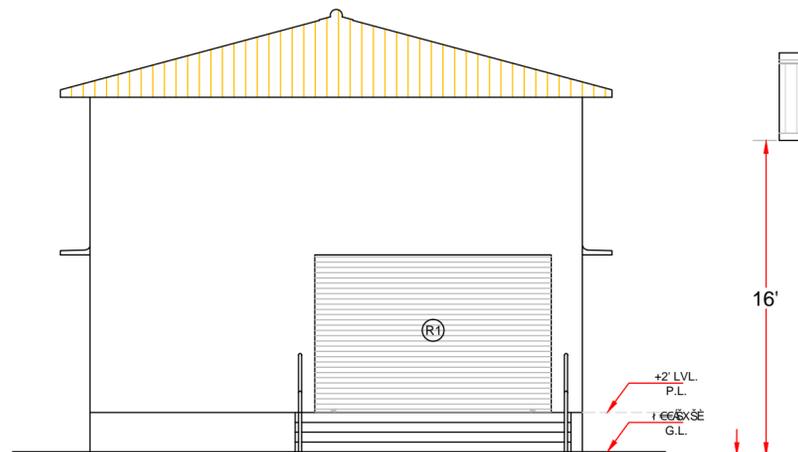
FLOOR PLAN



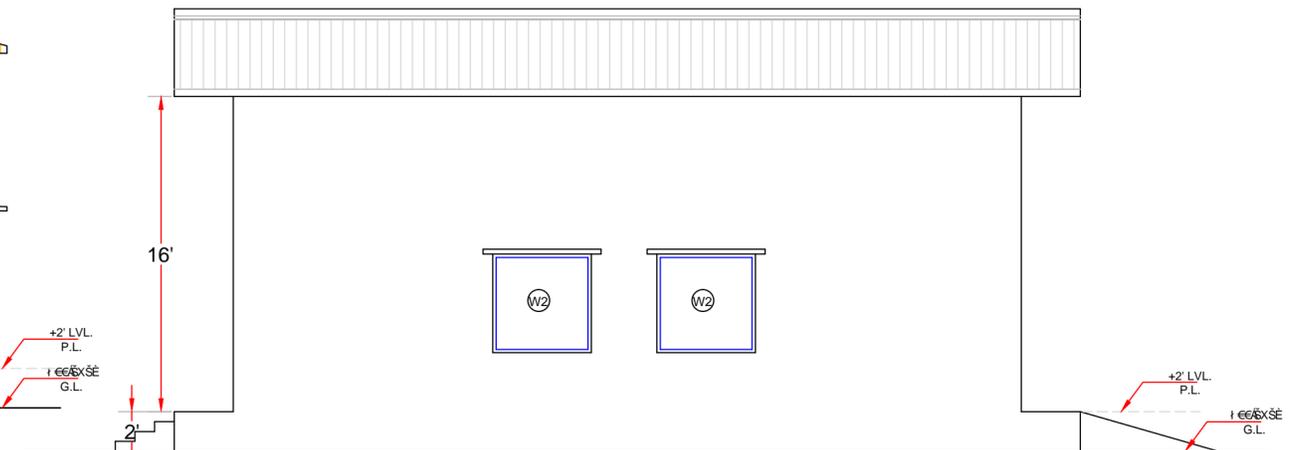
FRONT ELEVATION



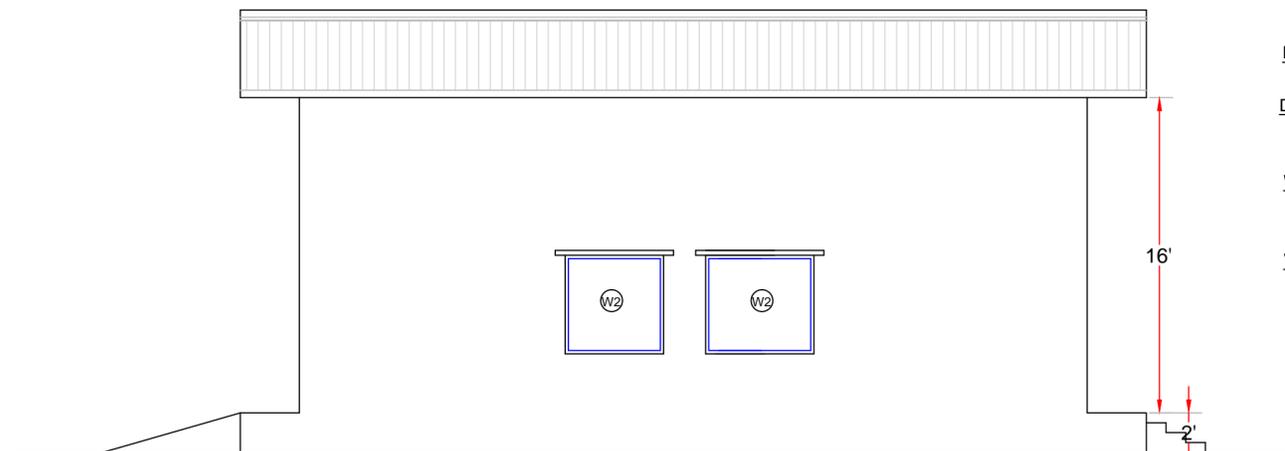
SECTION AT AA



REAR ELEVATION



LEFT SIDE ELEVATION

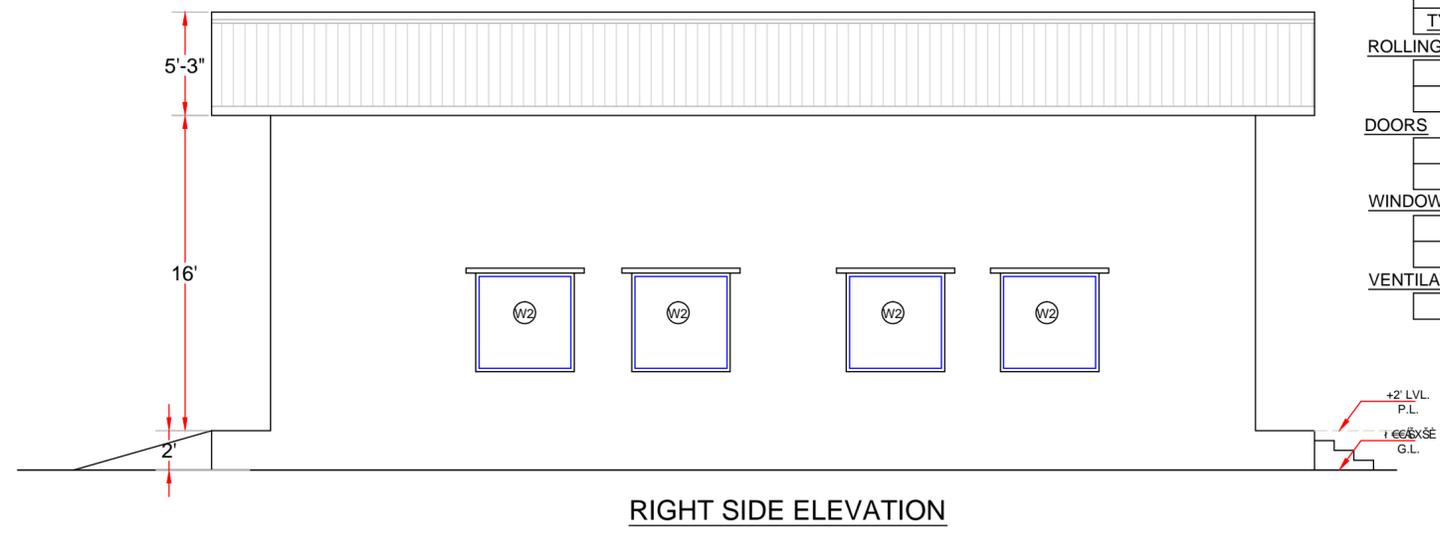
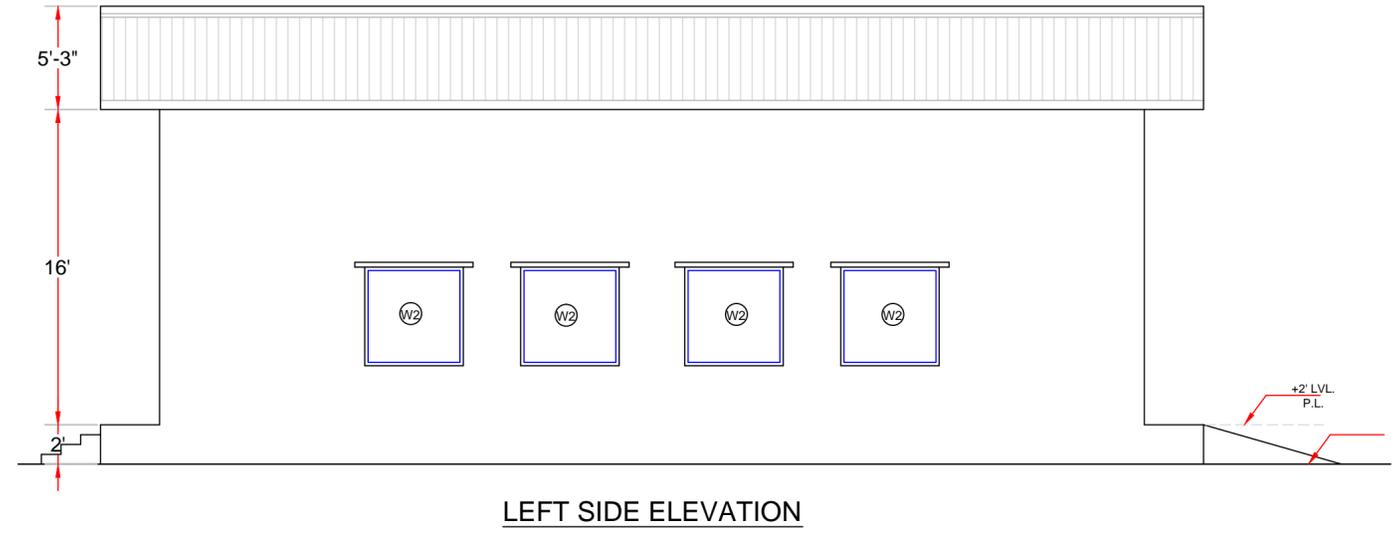
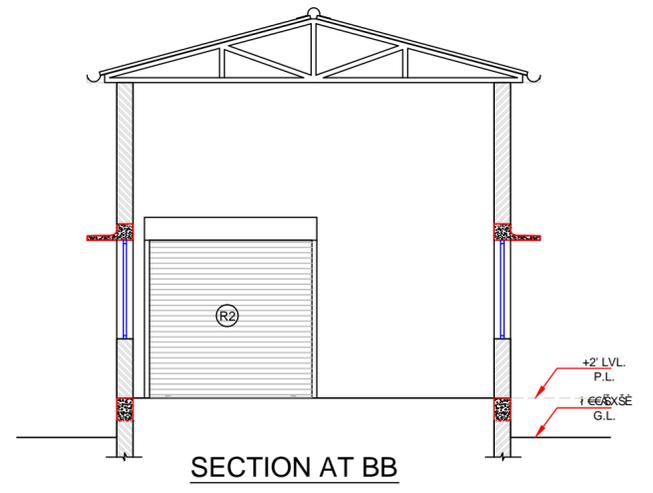
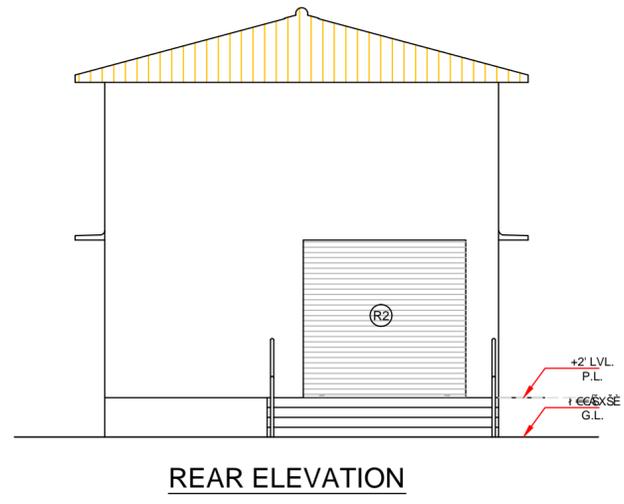
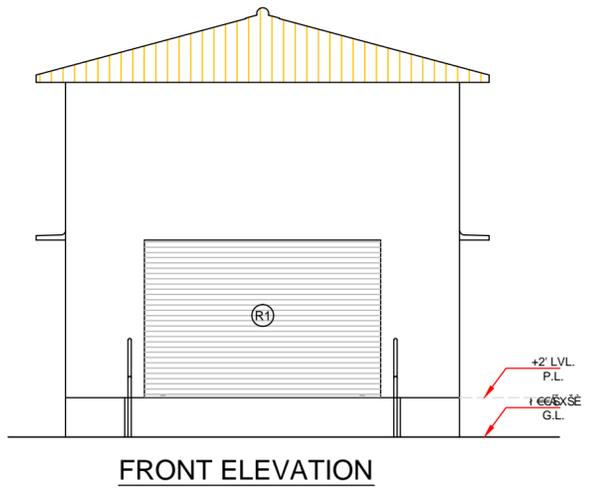
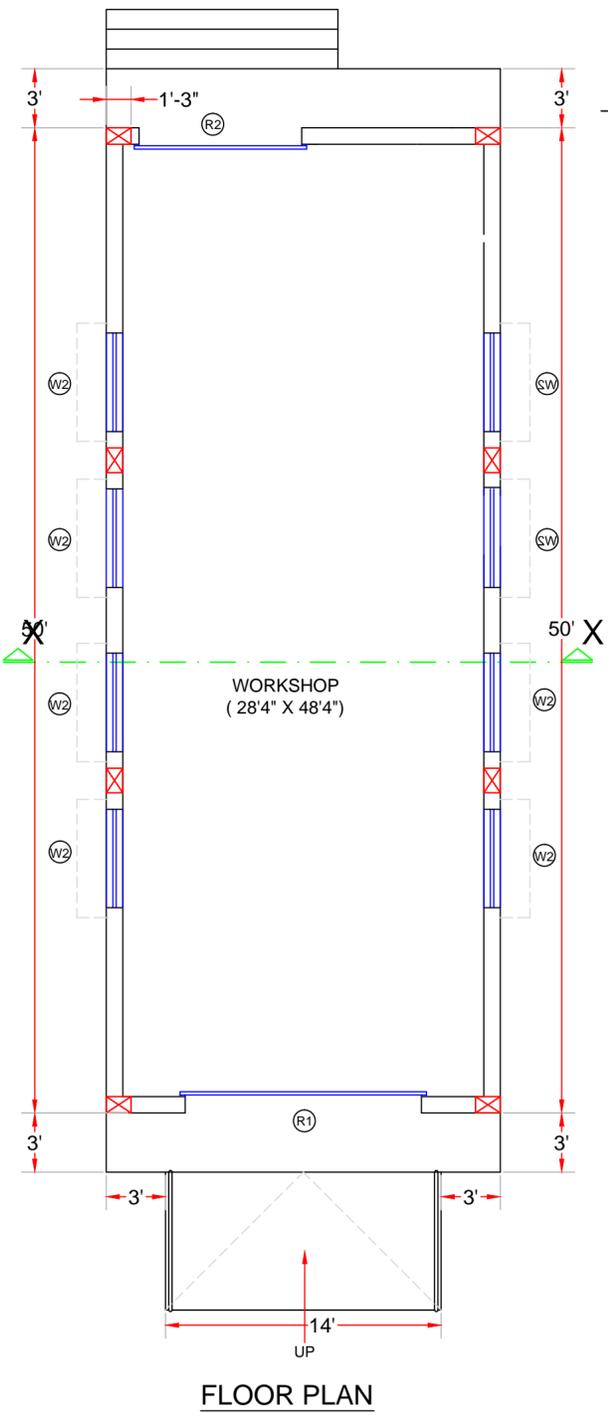


RIGHT SIDE ELEVATION

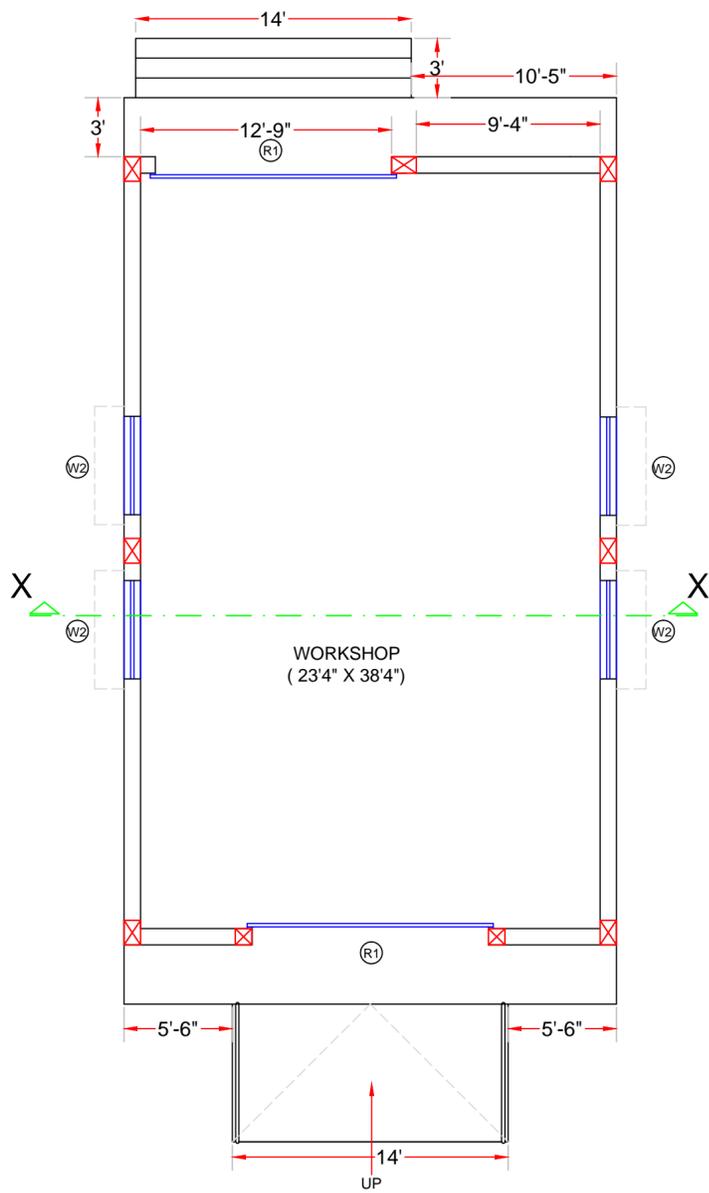
DOOR WINDOW SCHEDULE		
TYPE	DESCRIPTION	SIZE
ROLLING SHUTTER		
R1	M.S.ROLLING SHUTTER	(12' X 8')
DOORS		
D1	32mm PANEL DOOR	(3'3" X 7')
R1	32mm FLUSH DOOR	(2'6" X 7')
WINDOWS		
W1	UPVC SLIDING WINDOW	(3' X 5')
W2	UPVC SLIDING WINDOW	(5' X 5')
VENTILATOR		
V	GLASS LOUVERS VENT.	(2' X 2')

TITLE:

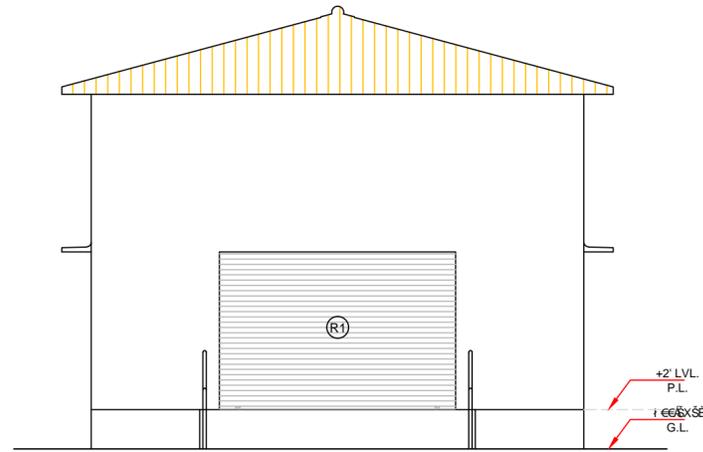
YARN & MAT MAKING CFC WORK SHED AT PANDARUKOLI (25' X 40')



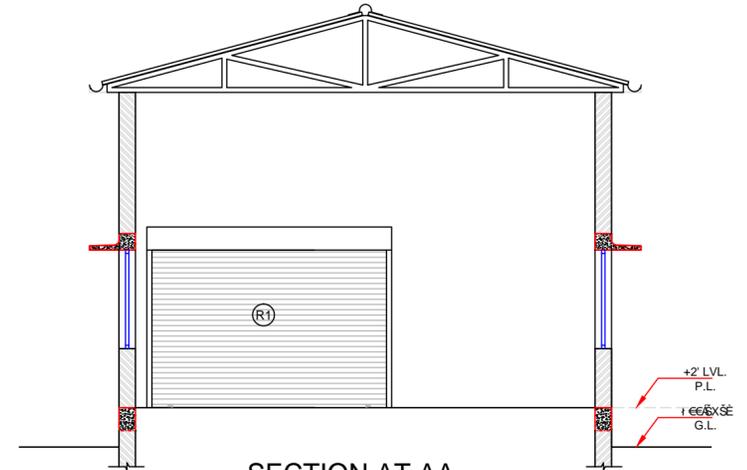
DOOR WINDOW SCHEDULE		
TYPE	DESCRIPTION	SIZE
ROLLING SHUTTER		
R1	M.S.ROLLING SHUTTER	(12' X 8')
R2	M.S.ROLLING SHUTTER	(8'3" X 8')
DOORS		
D1	32mm PANEL DOOR	(3'3" X 7')
R1	32mm FLUSH DOOR	(2'6" X 7')
WINDOWS		
W1	UPVC SLIDING WINDOW	(3' X 5')
W2	UPVC SLIDING WINDOW	(5' X 5')
VENTILATOR		
V	GLASS LOUVERS VENT.	(2' X 2')



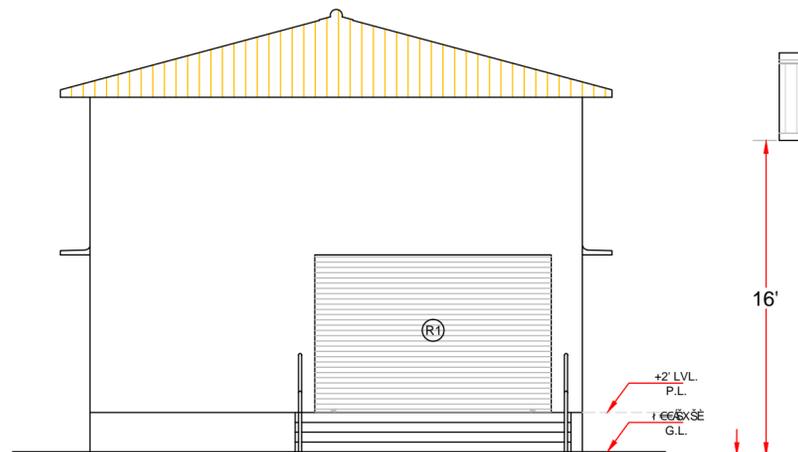
FLOOR PLAN



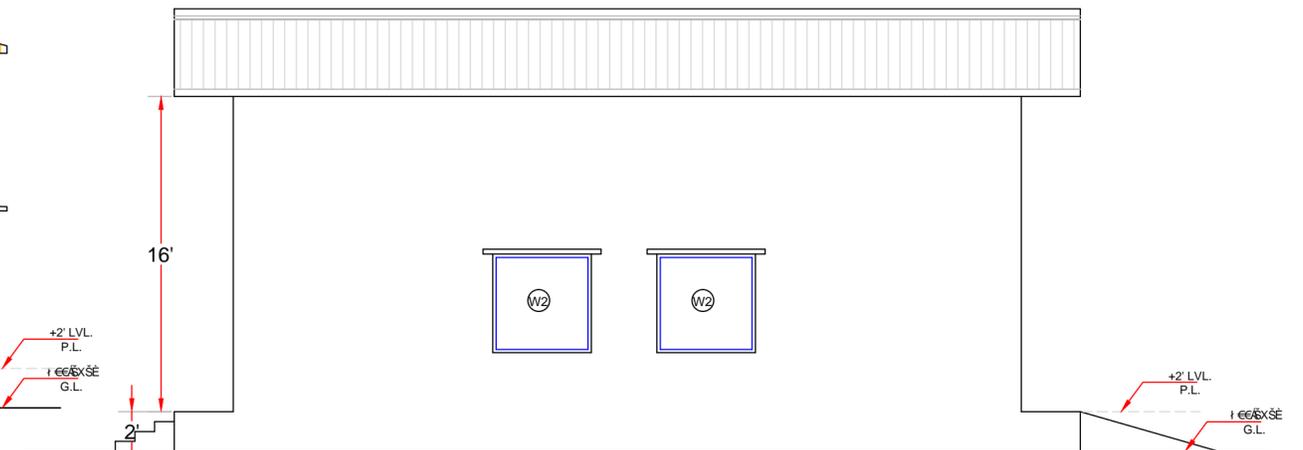
FRONT ELEVATION



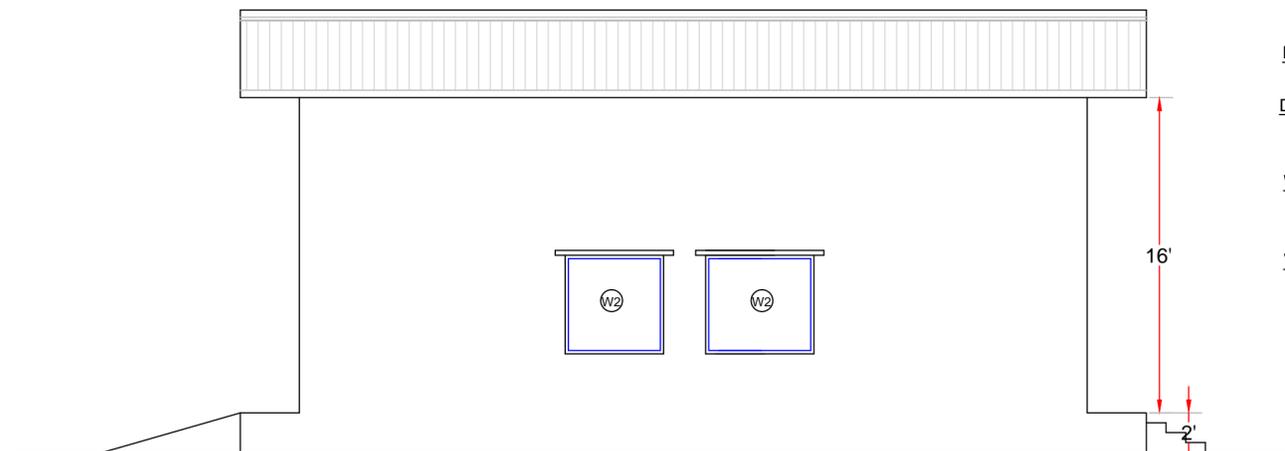
SECTION AT AA



REAR ELEVATION



LEFT SIDE ELEVATION

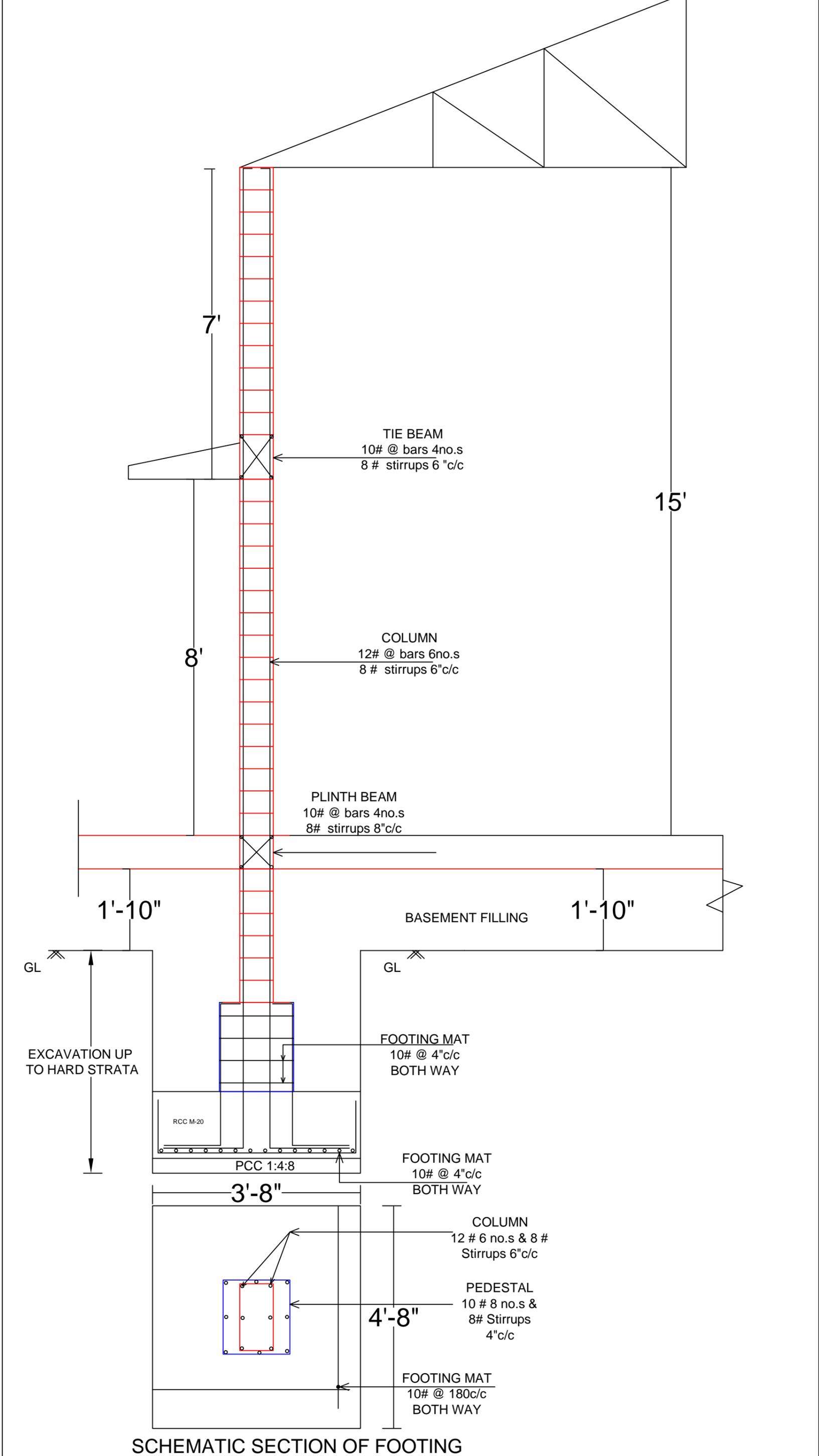


RIGHT SIDE ELEVATION

DOOR WINDOW SCHEDULE		
TYPE	DESCRIPTION	SIZE
ROLLING SHUTTER		
R1	M.S.ROLLING SHUTTER	(12' X 8')
DOORS		
D1	32mm PANEL DOOR	(3'3" X 7')
R1	32mm FLUSH DOOR	(2'6" X 7')
WINDOWS		
W1	UPVC SLIDING WINDOW	(3' X 5')
W2	UPVC SLIDING WINDOW	(5' X 5')
VENTILATOR		
V	GLASS LOUVERS VENT.	(2' X 2')

TITLE:

YARN & MAT MAKING CFC WORK SHED AT KUJJIPUR (25' X 40')



SCHMATIC SECTION OF FOOTING

TIE BEAM
10# @ bars 4no.s
8 # stirrups 6 "c/c

COLUMN
12# @ bars 6no.s
8 # stirrups 6"c/c

PLINTH BEAM
10# @ bars 4no.s
8# stirrups 8"c/c

BASEMENT FILLING

FOOTING MAT
10# @ 4"c/c
BOTH WAY

FOOTING MAT
10# @ 4"c/c
BOTH WAY

COLUMN
12 # 6 no.s & 8 #
Stirrups 6"c/c

PEDESTAL
10 # 8 no.s &
8# Stirrups
4"c/c

FOOTING MAT
10# @ 180c/c
BOTH WAY

GL
EXCAVATION UP
TO HARD STRATA

RCC M-20

PCC 1:4:8

1'-10"

1'-10"

7'

8'

15'

3'-8"

4'-8"