

# **Implement Construction Works**

**ITB/GLED/02/2018**

**SRI LANKA**



**United Nations Development Programme**

July, 2018

## Section 1. Letter of Invitation

SRI LANKA  
July 18, 2018

ITB/GLED/02/2018

Dear M/S Bidder

The United Nations Development Programme (UNDP) hereby invites you to submit a Bid to this Invitation to Bid (ITB) for the above-referenced subject.

This ITB includes the following documents:

- Section 1 – This Letter of Invitation
- Section 2 – Instructions to Bidders (including Data Sheet)
- Section 3 – Schedule of Requirements and Technical Specifications
- Section 4 – Bid Submission Form
- Section 5 – Documents Establishing the Eligibility and Qualifications of the Bidder
- Section 6 – Technical Bid Form
- Section 7 – Price Schedule Form
- Section 8 – Form for Bid Security *[delete if not required]*
- Section 9 – Form for Performance Security *[delete if not required]*
- Section 10 – Form for Advanced Payment Guarantee *[delete if not required]*
- Section 11 – Contract to be signed, including General Terms and Conditions

Your offer, comprising of a Technical Bid and Price Schedule, in separate sealed envelopes, should be submitted in accordance with Section 2.

You are kindly requested to submit an acknowledgment letter to UNDP to the following address:

United Nations Development Programme,  
Head of Procurement  
Procurement.lk@undp.org

The letter should be received by UNDP no later than 31<sup>st</sup> July 2018. The same letter should advise whether your company intends to submit a Bid. If that is not the case, UNDP would appreciate your indicating the reason, for our records. If you have received this ITB through a direct invitation by UNDP, transferring this invitation to another firm requires notifying UNDP accordingly.

Should you require any clarification, kindly communicate with the contact person identified in the attached Data Sheet as the focal point for queries on this ITB.

UNDP looks forward to receiving your Bid and thanks you in advance for your interest in UNDP procurement opportunities.

Yours sincerely,

Nilmini Jayatilake, Procurement Associate

## Section 2: Instruction to Bidders<sup>1</sup>

### Definitions

- a) *“Bid”* refers to the Bidder’s response to the Invitation to Bid, including the Bid Submission Form, Technical Bid and Price Schedule and all other documentation attached thereto as required by the ITB.
- b) *“Bidder”* refers to any legal entity that may submit, or has submitted, a Bid for the supply of goods and provision of related services requested by UNDP.
- c) *“Contract”* refers to the legal instrument that will be signed by and between the UNDP and the successful Bidder, all the attached documents thereto, including the General Terms and Conditions (GTC) and the Appendices.
- d) *“Country”* refers to the country indicated in the Data Sheet.
- e) *“Data Sheet”* refers to such part of the Instructions to Bidders used to reflect conditions of the tendering process that are specific for the requirements of the ITB.
- f) *“Day”* refers to calendar day.
- g) *“Goods”* refer to any tangible product, commodity, article, material, wares, equipment, assets or merchandise that UNDP requires under this ITB.
- h) *“Government”* refers to the Government of the country where the goods and related services provided/rendered specified under the Contract will be delivered or undertaken.
- i) *“Instructions to Bidders”* refers to the complete set of documents which provides Bidders with all information needed and procedures to be followed in the course of preparing their Bid
- j) *“ITB”* refers to the Invitation to Bid consisting of instructions and references prepared by UNDP for purposes of selecting the best supplier or service provider to fulfil the requirement indicated in the Schedule of Requirements and Technical Specifications.
- k) *“LOI”* (Section 1 of the ITB) refers to the Letter of Invitation sent by UNDP to Bidders.
- l) *“Material Deviation”* refers to any contents or characteristics of the bid that is significantly different from an essential aspect or requirement of the ITB, and (i) substantially alters the scope and quality of the requirements; (ii) limits the rights of UNDP and/or the obligations of the offeror; and (iii) adversely impacts the fairness and principles of the procurement process, such as those that compromise the competitive position of other offerors.
- m) *“Schedule of Requirements and Technical Specifications”* refers to the document included in this ITB as Section 3 which lists the goods required by UNDP, their specifications, the related services, activities, tasks to be performed, and other information pertinent to UNDP’s receipt

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<sup>1</sup> Note: this Section 2 - Instructions to Bidders shall not be modified in any way. Any necessary changes to address specific country and project information shall be introduced only through the Data Sheet.

and acceptance of the goods.

- n) *“Services”* refers to the entire scope of tasks related or ancillary to the completion or delivery of the goods required by UNDP under the ITB.
- o) *“Supplemental Information to the ITB”* refers to a written communication issued by UNDP to prospective Bidders containing clarifications, responses to queries received from prospective Bidders, or changes to be made in the ITB, at any time after the release of the ITB but before the deadline for the submission of Bid.

## A. GENERAL

1. UNDP hereby solicits Bids as a response to this Invitation to Bid (ITB). Bidders must strictly adhere to all the requirements of this ITB. No changes, substitutions or other alterations to the rules and provisions stipulated in this ITB may be made or assumed unless it is instructed or approved in writing by UNDP in the form of Supplemental Information to the ITB.
2. Submission of a Bid shall be deemed as an acknowledgement by the Bidder that all obligations stipulated by this ITB will be met and, unless specified otherwise, the Bidder has read, understood and agreed to all the instructions in this ITB.
3. Any Bid submitted will be regarded as an offer by the Bidder and does not constitute or imply the acceptance of any Bid by UNDP. UNDP is under no obligation to award a contract to any Bidder as a result of this ITB.
4. UNDP implements a policy of zero tolerance on proscribed practices, including fraud, corruption, collusion, unethical practices, and obstruction. UNDP is committed to preventing, identifying and addressing all acts of fraud and corrupt practices against UNDP as well as third parties involved in UNDP activities. (See [http://www.undp.org/about/transparencycdocs/UNDP\\_Anti\\_Fraud\\_Policy\\_English\\_FINAL\\_june\\_2011.pdf](http://www.undp.org/about/transparencycdocs/UNDP_Anti_Fraud_Policy_English_FINAL_june_2011.pdf) and [http://www.undp.org/content/undp/en/home/operations/procurement/procurement\\_protect/](http://www.undp.org/content/undp/en/home/operations/procurement/procurement_protect/) for full description of the policies)
5. In responding to this ITB, UNDP requires all Bidders to conduct themselves in a professional, objective and impartial manner, and they must at all times hold UNDP's interests paramount. Bidders must strictly avoid conflicts with other assignments or their own interests, and act without consideration for future work. All Bidders found to have a conflict of interest shall be disqualified. Without limitation on the generality of the above, Bidders, and any of their affiliates, shall be considered to have a conflict of interest with one or more parties in this solicitation process, if they:
  - 5.1 Are, or have been associated in the past, with a firm or any of its affiliates which have been engaged UNDP to provide services for the preparation of the design, Schedule of Requirements and Technical Specifications, cost analysis/estimation, and other documents to be used for the procurement of the goods and related services in this selection process;
  - 5.2 Were involved in the preparation and/or design of the programme/project related to the goods and related services requested under this ITB; or

- 5.3 Are found to be in conflict for any other reason, as may be established by, or at the discretion of, UNDP.

In the event of any uncertainty in the interpretation of what is potentially a conflict of interest, Bidders must disclose the condition to UNDP and seek UNDP's confirmation on whether or not such conflict exists.

6. Similarly, the following must be disclosed in the Bid:

- 6.1 Bidders who are owners, part-owners, officers, directors, controlling shareholders, or key personnel who are family of UNDP staff involved in the procurement functions and/or the Government of the country or any Implementing Partner receiving the goods and related services under this ITB; and
- 6.4 Others that could potentially lead to actual or perceived conflict of interest, collusion or unfair competition practices.

Failure of such disclosure may result in the rejection of the Bid.

7. The eligibility of Bidders that are wholly or partly owned by the Government shall be subject to UNDP's further evaluation and review of various factors such as being registered as an independent entity, the extent of Government ownership/share, receipt of subsidies, mandate, access to information in relation to this ITB, and others that may lead to undue advantage against other Bidders, and the eventual rejection of the Bid.
8. All Bidders must adhere to the UNDP Supplier Code of Conduct, which may be found at this link: <http://web.ng.undp.org/procurement/undp-supplier-code-of-conduct.pdf>

## **B. CONTENTS OF BID**

### **9. Sections of Bid**

Bidders are required to complete, sign and submit the following documents:

- 9.1 Bid Submission Cover Letter Form (see ITB Section 4);
- 9.2 Documents Establishing the Eligibility and Qualifications of the Bidder (see ITB Section 5);
- 9.3 Technical Bid (see prescribed form in ITB Section 6);
- 9.4 Price Schedule (see prescribed form in ITB Section 7);
- 9.5 Bid Security, if applicable (if required and as stated in the DS nos. 9-11, see prescribed Form in ITB Section 8);
- 9.6 Any attachments and/or appendices to the Bid (including all those specified under the **Data Sheet**)

### **10. Clarification of Bid**

- 10.1 Bidders may request clarification of any of the ITB documents no later than the number of days indicated in the **Data Sheet** (DS no. 16) prior to the Bid submission date. Any request for clarification must be sent in writing via courier or through electronic means to the UNDP address indicated in the **Data Sheet** (DS no. 17). UNDP will respond in writing, transmitted by electronic means and will transmit copies of the response (including an explanation of the query but without identifying the source of inquiry) to all Bidders who have provided confirmation of their intention to submit a Bid.

- 10.2 UNDP shall endeavour to provide such responses to clarifications in an expeditious manner, but any delay in such response shall not cause an obligation on the part of UNDP to extend the submission date of the Bid, unless UNDP deems that such an extension is justified and necessary.

#### **11. Amendment of Bid**

- 11.1 At any time prior to the deadline for submission of Bid, UNDP may for any reason, such as in response to a clarification requested by a Bidder, modify the ITB in the form of a Supplemental Information to the ITB. All prospective Bidders will be notified in writing of all changes/amendments and additional instructions through Supplemental Information to the ITB and through the method specified in the **Data Sheet** (DS No. 18).
- 11.2 In order to afford prospective Bidders reasonable time to consider the amendments in preparing their Bid, UNDP may, at its discretion, extend the deadline for submission of Bid, if the nature of the amendment to the ITB justifies such an extension.

### **C. PREPARATION OF BID**

#### **12. Cost**

The Bidder shall bear any and all costs related to the preparation and/or submission of the Bid, regardless of whether its Bid was selected or not. UNDP shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the procurement process.

#### **13. Language**

The Bid, as well as any and all related correspondence exchanged by the Bidder and UNDP, shall be written in the language (s) specified in the **Data Sheet** (DS No. 4). Any printed literature furnished by the Bidder written in a language other than the language indicated in the **Data Sheet**, must be accompanied by a translation in the preferred language indicated in the **Data Sheet**. For purposes of interpretation of the Bid, and in the event of discrepancy or inconsistency in meaning, the version translated into the preferred language shall govern. Upon conclusion of a contract, the language of the contract shall govern the relationship between the contractor and UNDP.

#### **14. Bid Submission Form**

The Bidder shall submit the Bid Submission Form using the form provided in Section 4 of this ITB.

#### **15. Technical Bid Format and Content**

Unless otherwise stated in the **Data Sheet** (DS no. 28), the Bidder shall structure the Technical Bid as follows:

- 15.1 Expertise of Firm/Organization – this section should provide details regarding management structure of the organization, organizational capability/resources, and experience of organization/firm, the list of projects/contracts (both completed and on-going, both domestic and international) which are related or similar in nature to the

requirements of the ITB, manufacturing capacity of plant if Bidder is a manufacturer, authorization from the manufacturer of the goods if Bidder is not a manufacturer, and proof of financial stability and adequacy of resources to complete the delivery of goods and provision of related services required by the ITB (see ITB Clause 18 and DS No. 26 for further details). The same shall apply to any other entity participating in the ITB as a Joint Venture or Consortium.

- 15.2 Technical Specifications and Implementation Plan – this section should demonstrate the Bidder’s response to the Schedule of Requirements and Technical Specifications by identifying the specific components proposed; how each of the requirements shall be met point by point; providing a detailed specification and description of the goods required, plans and drawings where needed; the essential performance characteristics, identifying the works/portions of the work that will be subcontracted; a list of the major subcontractors, and demonstrating how the bid meets or exceeds the requirements, while ensuring appropriateness of the bid to the local conditions and the rest of the project operating environment during the entire life of the goods provided. Details of technical bid must be laid out and supported by an Implementation Timetable, including Transportation and Delivery Schedule where needed, that is within the duration of the contract as specified in the **Data Sheet** (DS nos. 29 and 30).

Bidders must be fully aware that the goods and related services that UNDP require may be transferred, immediately or eventually, by UNDP to the Government partners, or to an entity nominated by the latter, in accordance with UNDP’s policies and procedures. All bidders are therefore required to submit the following in their bids:

- a) A statement of whether any import or export licences are required in respect of the goods to be purchased or services to be rendered, including any restrictions in the country of origin, use or dual use nature of the goods or services, including any disposition to end users;
- b) Confirmation that the Bidder has obtained license of this nature in the past, and have an expectation of obtaining all the necessary licenses, should their bid be rendered the most responsive; and
- c) Complete documentation, information and declaration of any goods classified or may be classified as “Dangerous Goods”.

- 15.3 Management Structure and Key Personnel – This section should include the comprehensive curriculum vitae (CVs) of key personnel that will be assigned to support the implementation of the technical bid, clearly defining their roles and responsibilities. CVs should establish competence and demonstrate qualifications in areas relevant to the requirements of this ITB.

In complying with this section, the Bidder assures and confirms to UNDP that the personnel being nominated are available to fulfil the demands of the Contract during its stated full term. If any of the key personnel later becomes unavailable, except for unavoidable reasons such as death or medical incapacity, among other possibilities, UNDP reserves the right to render the Bid non-responsive. Any deliberate substitution of personnel arising from unavoidable reasons, including delay in the implementation of the project of programme through no fault of the Bidder, shall be made only with UNDP’s acceptance of the justification for substitution, and UNDP’s approval of the qualification of the replacement who shall be either of equal or superior credentials as the one being replaced.

15.4 Where the **Data Sheet** requires the submission of the Bid Security, the Bid Security shall be included along with the Technical Bid. The Bid Security may be forfeited by UNDP, and reject the Bid, in the event of any or any combination of the following conditions:

- a) If the Bidder withdraws its offer during the period of the Bid Validity specified in the **Data Sheet** (DS no. 11), or;
- b) If the Bid Security amount is found to be less than what is required by UNDP as indicated in the **Data Sheet** (DS no. 9), or;
- c) In the case the successful Bidder fails:
  - i. to sign the Contract after UNDP has awarded it;
  - ii. to comply with UNDP's variation of requirement, as per ITB Clause 35; or
  - iii. to furnish Performance Security, insurances, or other documents that UNDP may require as a condition to rendering effective the contract that may be awarded to the Bidder.

## 16. Price Schedule

The Price Schedule shall be prepared using the attached standard form (Section 7). It shall list all major cost components associated with the goods and related services, and the detailed breakdown of such costs. All goods and services described in the Technical Bid must be priced separately on a one-to-one correspondence. Any output and activities described in the Technical Bid but not priced in the Price Schedule, shall be assumed to be included in the prices of the items or activities, as well as in the final total price of the bid.

## 17. Currencies

All prices shall be quoted in the currency indicated in the **Data Sheet** (DS no. 15). However, where Bids are quoted in different currencies, for the purposes of comparison of all Bid:

- 17.1 UNDP will convert the currency quoted in the Bid into the UNDP preferred currency, in accordance with the prevailing UN operational rate of exchange on the last day of submission of Bid; and
- 17.2 In the event that the Bid found to be the most responsive to the ITB requirement is quoted in another currency different from the preferred currency as per **Data Sheet** (DS no. 15), then UNDP shall reserve the right to award the contract in the currency of UNDP's preference, using the conversion method specified above.

## 18. Documents Establishing the Eligibility and Qualifications of the Bidder

18.1 The Bidder shall furnish documentary evidence of its status as an eligible and qualified vendor, using the forms provided under Section 5, Bidder Information Forms. In order to award a contract to a Bidder, its qualifications must be documented to UNDP's satisfactions. These include, but are not limited to the following:

- a) That, in the case of a Bidder offering to supply goods under the Contract which the Bidder did not manufacture or otherwise produce, the Bidder has been duly authorized by the goods' manufacturer or producer to supply the goods in the country of final destination;
- b) That the Bidder has the financial, technical, and production capability necessary to perform the Contract; and



- c) That, to the best of the Bidder's knowledge, it is not included in the UN 1267 List or the UN Ineligibility List, nor in any and all of UNDP's list of suspended and removed vendors.

18.2 Bids submitted by two (2) or more Bidders shall all be rejected by UNDP if they are found to have any of the following:

- a) they have at least one controlling partner, director or shareholder in common; or
- b) any one of them receive or have received any direct or indirect subsidy from the other/s; or
- c) they have the same legal representative for purposes of this ITB; or
- d) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about, or influence on the Bid of, another Bidder regarding this ITB process;
- e) they are subcontractors to each other's bid, or a subcontractor to one bid also submits another Bid under its name as lead Bidder; or
- f) an expert proposed to be in the bid of one Bidder participates in more than one Bid received for this ITB process. This condition does not apply to subcontractors being included in more than one Bid.

## **19. Joint Venture, Consortium or Association**

If the Bidder is a group of legal entities that will form or have formed a joint venture, consortium or association at the time of the submission of the Bid, they shall confirm in their Bid that : (i) they have designated one party to act as a lead entity, duly vested with authority to legally bind the members of the joint venture jointly and severally, and this shall be duly evidenced by a duly notarized Agreement among the legal entities, which shall be submitted along with the Bid; and (ii) if they are awarded the contract, the contract shall be entered into, by and between UNDP and the designated lead entity, who shall be acting for and on behalf of all entities that comprise the joint venture.

After the bid has been submitted to UNDP, the lead entity identified to represent the joint venture shall not be altered without the prior written consent of UNDP. Furthermore, neither the lead entity nor the member entities of the joint venture can:

- a) Submit another Bid, either in its own capacity; nor
- b) As a lead entity or a member entity for another joint venture submitting another Bid.

The description of the organization of the joint venture/consortium/association must clearly define the expected role of each of the entity in the joint venture in delivering the requirements of the ITB, both in the bid and in the Joint Venture Agreement. All entities that comprise the joint venture shall be subject to the eligibility and qualification assessment by UNDP.

Where a joint venture is presenting its track record and experience in a similar undertaking as those required in the ITB, it should present such information in the following manner:

- a) Those that were undertaken together by the joint venture; and
- b) Those that were undertaken by the individual entities of the joint venture expected to be involved in the performance of the services defined in the ITB.

Previous contracts completed by individual experts working privately but who are

permanently or were temporarily associated with any of the member firms cannot be claimed as the experience of the joint venture or those of its members, but should only be claimed by the individual experts themselves in their presentation of their individual credentials.

If the Bid of a joint venture is determined by UNDP as the most responsive Bid that offers the best value for money, UNDP shall award the contract to the joint venture, in the name of its designated lead entity, who shall sign the contract for and on behalf of all the member entities.

## **20. Alternative Bid**

Unless otherwise specified in the **Data Sheet** (DS nos. 5 and 6), alternative bid shall not be considered. Where the conditions for its acceptance are met, or justifications are clearly established, UNDP reserves the right to award a contract based on an alternative bid.

## **21. Validity Period**

21.1 Bid shall remain valid for the period specified in the **Data Sheet** (DS no. 8), commencing on the submission deadline date also indicated in the **Data Sheet** (DS no. 21). A Bid valid for a shorter period shall be immediately rejected by UNDP and rendered non-responsive.

21.2 In exceptional circumstances, prior to the expiration of the Bid validity period, UNDP may request Bidders to extend the period of validity of their Bid. The request and the responses shall be made in writing, and shall be considered integral to the Bid.

## **22. Bidder's Conference**

When appropriate, a Bidder's conference will be conducted at the date, time and location specified in the **Data Sheet** (DS no. 7). All Bidders are encouraged to attend. Non-attendance, however, shall not result in disqualification of an interested Bidder. Minutes of the Bidder's conference will be either posted on the UNDP website, or disseminated to the individual firms who have registered or expressed interest with the contract, whether or not they attended the conference. No verbal statement made during the conference shall modify the terms and conditions of the ITB unless such statement is specifically written in the Minutes of the Conference, or issued/posted as an amendment in the form of a Supplemental Information to the ITB.

# **D. SUBMISSION AND OPENING OF BID**

## **23. Submission**

23.1 The Technical Bid and the Price Schedule **must** be submitted together and sealed together in one and the same envelope, delivered either personally, by courier, or by electronic method of transmission. If submission will not be done by electronic means, the Technical Bid and Price Schedule must be sealed together in an envelope whose external side must :

- a) Bear the name of the Bidder;
- b) Be addressed to UNDP as specified in the **Data Sheet** (DS no.20); and
- c) Bear a warning not to open before the time and date for Bid opening as specified in the **Data Sheet** (DS no. 24).

If the envelope is not sealed nor labelled as required, the Bidder shall assume the responsibility for the misplacement or premature opening of Bid due to improper sealing and labelling by the Bidder.

- 23.2 Bidders must submit their Bid in the manner specified in the **Data Sheet** (DS nos. 22 and 23). When the Bid is expected to be in transit for more than 24 hours, the Bidder must ensure that sufficient lead time has been provided in order to comply with UNDP's deadline for submission. UNDP shall indicate for its record that the official date and time of receiving the Bid is the actual date and time when the said Bid has physically arrived at the UNDP premises indicated in the **Data Sheet** (DS no. 20).
- 23.3 Bidders submitting Bid by mail or by hand shall enclose the original and each copy of the Bid, in separate sealed envelopes, duly marking each of the envelopes as "Original Bid" and the others as "Copy of Bid". The two envelopes, consisting of original and copies, shall then be sealed in an outer envelope. The number of copies required shall be as specified in the **Data Sheet** (DS no. 19). In the event of any discrepancy between the contents of the "Original Bid" and the "Copy of Bid", the contents of the original shall govern. The original version of the Bid shall be signed or initialled by the Bidder or person(s) duly authorized to commit the Bidder on every page. The authorization shall be communicated through a document evidencing such authorization issued by the highest official of the firm, or a Power of Attorney, accompanying the Bid.
- 23.4 Bidders must be aware that the mere act of submission of a Bid, in and of itself, implies that the Bidder accepts the General Contract Terms and Conditions of UNDP as attached hereto as Section 11.

## **24. Deadline for Submission of Bid and Late Bids**

Bid must be received by UNDP at the address and no later than the date and time specified in the **Data Sheet** (DS no. 20 and 21).

UNDP shall not consider any Bid that arrives after the deadline for submission of Bid. Any Bid received by UNDP after the deadline for submission of Bid shall be declared late, rejected, and returned unopened to the Bidder.

## **25. Withdrawal, Substitution, and Modification of Bid**

- 25.1 Bidders are expected to have sole responsibility for taking steps to carefully examine in detail the full consistency of its Bid to the requirements of the ITB, keeping in mind that material deficiencies in providing information requested by UNDP, or lack clarity in the description of goods and related services to be provided, may result in the rejection of the Bid. The Bidder shall assume any responsibility regarding erroneous interpretations or conclusions made by the Bidder in the course of understanding the ITB out of the set of information furnished by UNDP.
- 25.2 A Bidder may withdraw, substitute or modify its Bid after it has been submitted by sending a written notice in accordance with ITB Clause 23, duly signed by an authorized representative, and shall include a copy of the authorization (or a Power of Attorney). The corresponding substitution or modification of the Bid must accompany the respective written notice. All notices must be received by UNDP prior to the deadline for submission and submitted in accordance with ITB Clause 23

(except that withdrawal notices do not require copies). The respective envelopes shall be clearly marked "WITHDRAWAL," "SUBSTITUTION," or "MODIFICATION".

25.3 Bid requested to be withdrawn shall be returned unopened to the Bidders.

25.4 No Bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of Bid and the expiration of the period of Bid validity specified by the Bidder on the Bid Submission Form or any extension thereof.

## **26. Bid Opening**

UNDP will open the Bid in the presence of an ad-hoc committee formed by UNDP of at least two (2) members. If electronic submission is permitted, any specific electronic Bid opening procedures shall be as specified in the **Data Sheet** (DS no. 23).

The Bidders' names, modifications, withdrawals, the condition of the envelope labels/seals, the number of folders/files and all other such other details as UNDP may consider appropriate, will be announced at the opening. No Bid shall be rejected at the opening stage, except for late submission, for which the Bid shall be returned unopened to the Bidder.

## **27. Confidentiality**

Information relating to the examination, evaluation, and comparison of Bid, and the recommendation of contract award, shall not be disclosed to Bidders or any other persons not officially concerned with such process, even after publication of the contract award.

Any effort by a Bidder to influence UNDP in the examination, evaluation and comparison of the Bid or contract award decisions may, at UNDP's decision, result in the rejection of its Bid.

In the event that a Bidder is unsuccessful, the Bidder may seek a meeting with UNDP for a debriefing. The purpose of the debriefing is discussing the strengths and weaknesses of the Bidder's submission, in order to assist the Bidder in improving the bid presented to UNDP. The content of other bid and how they compare to the Bidder's submission shall not be discussed.

## **E. EVALUATION OF BID**

### **28. Preliminary Examination of Bid**

UNDP shall examine the Bid to determine whether they are complete with respect to minimum documentary requirements, whether the documents have been properly signed, whether or not the Bidder is in the UN Security Council 1267/1989 Committee's list of terrorists and terrorist financiers, and in UNDP's list of suspended and removed vendors, and whether the Bid are generally in order, among other indicators that may be used at this stage. UNDP may reject any Bid at this stage.

### **29. Evaluation of Bid**

29.1 UNDP shall examine the Bid to confirm that all terms and conditions under the UNDP General Terms and Conditions and Special Conditions have been accepted by the Bidder

without any deviation or reservation.

29.2 The evaluation team shall review and evaluate the Bids on the basis of their responsiveness to the Schedule of Requirements and Technical Specifications and other documentation provided, applying the procedure indicated in the **Data Sheet** (DS No. 25). Absolutely no changes may be made by UNDP in the criteria after all Bids have been received.

29.1 UNDP reserves the right to undertake a post-qualification exercise, aimed at determining, to its satisfaction the validity of the information provided by the Bidder. Such post-qualification shall be fully documented and, among those that may be listed in the **Data Sheet** (DS No.33), may include, but need not be limited to, all or any combination of the following :

- a) Verification of accuracy, correctness and authenticity of the information provided by the bidder on the legal, technical and financial documents submitted;
- b) Validation of extent of compliance to the ITB requirements and evaluation criteria based on what has so far been found by the evaluation team;
- c) Inquiry and reference checking with Government entities with jurisdiction on the bidder, or any other entity that may have done business with the bidder;
- d) Inquiry and reference checking with other previous clients on the quality of performance on on-going or previous contracts completed;
- e) Physical inspection of the bidder's plant, factory, branches or other places where business transpires, with or without notice to the bidder;
- f) Testing and sampling of completed goods similar to the requirements of UNDP, where available; and
- g) Other means that UNDP may deem appropriate, at any stage within the selection process, prior to awarding the contract.

### **30. Clarification of Bid**

To assist in the examination, evaluation and comparison of bids, UNDP may, at its discretion, ask any Bidder to clarify its Bid.

UNDP's request for clarification and the Bidder's response shall be in writing. Notwithstanding the written communication, no change in the prices or substance of the Bid shall be sought, offered, or permitted, except to provide clarification, and confirm the correction of any arithmetic errors discovered by UNDP in the evaluation of the Bid, in accordance with ITB Clause 35.

Any unsolicited clarification submitted by a Bidder in respect to its Bid, which is not a response to a request by UNDP, shall not be considered during the review and evaluation of the Bid.

### **31. Responsiveness of Bid**

UNDP's determination of a Bid's responsiveness will be based on the contents of the Bid itself.

A substantially responsive Bid is one that conforms to all the terms, conditions, and specifications of the ITB without material deviation, reservation, or omission.

If a Bid is not substantially responsive, it shall be rejected by UNDP and may not subsequently be made responsive by the Bidder by correction of the material deviation, reservation, or omission.

## **32. Nonconformities, Reparable Errors and Omissions**

32.3 Provided that a Bid is substantially responsive, UNDP may waive any non-conformities or omissions in the Bid that, in the opinion of UNDP, do not constitute a material deviation.

32.4 Provided that a Bid is substantially responsive, UNDP may request the Bidder to submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities or omissions in the Bid related to documentation requirements. Such omission shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.

32.5 Provided that the Bid is substantially responsive, UNDP shall correct arithmetical errors as follows:

- a) if there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of UNDP there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected;
- b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to the above.

32.6 If the Bidder does not accept the correction of errors made by UNDP, its Bid shall be rejected.

## **F. AWARD OF CONTRACT**

### **33. Right to Accept, Reject, or Render Non-Responsive Any or All Bid**

33.1 UNDP reserves the right to accept or reject any Bid, to render any or all of the Bids as non-responsive, and to reject all Bids at any time prior to award of contract, without incurring any liability, or obligation to inform the affected Bidder(s) of the grounds for UNDP's action. Furthermore, UNDP is not obligated to award the contract to the lowest price offer.

33.2 UNDP shall also verify, and immediately reject their respective Bid, if the Bidders are found to appear in the UN's Consolidated List of Individuals and Entities with Association to Terrorist Organizations, in the List of Vendors Suspended or Removed from the UN Secretariat Procurement Division Vendor Roster, the UN Ineligibility List, and other such lists that as may be established or recognized by UNDP policy on Vendor Sanctions. (See [http://www.undp.org/content/undp/en/home/operations/procurement/procurement\\_protest/](http://www.undp.org/content/undp/en/home/operations/procurement/procurement_protest/))

### **34. Award Criteria**

Prior to expiration of the period of Bid validity, UNDP shall award the contract to the qualified and eligible Bidder that is found to be responsive to the requirements of the Schedule of Requirements and Technical Specification, and has offered the lowest price (See DS No. 32).

### **35. Right to Vary Requirements at the Time of Award**

At the time of award of Contract, UNDP reserves the right to vary the quantity of the goods and/or related services, by up to a maximum twenty five per cent (25%) of the total offer, without any change in the unit price or other terms and conditions.

### **36. Contract Signature**

Within fifteen (15) days from the date of receipt of the Contract, the successful Bidder shall sign and date the Contract and return it to UNDP.

Failure of the successful Bidder to comply with the requirement of ITB Section F.3 and this provision shall constitute sufficient grounds for the annulment of the award, and forfeiture of the Bid Security if any, and on which event, UNDP may award the Contract to the Bidder with the second highest rated Bid, or call for new Bid.

### **37. Performance Security**

A performance security, if required, shall be provided in the amount and form provided in Section 9 and by the deadline indicated in the **Data Sheet** (DS no. 14), as applicable. Where a Performance Security will be required, the submission of the said document, and the confirmation of its acceptance by UNDP, shall be a condition for the effectivity of the Contract that will be signed by and between the successful Bidder and UNDP.

### **38. Bank Guarantee for Advanced Payment**

Except when the interests of UNDP so require, it is the UNDP's preference to make no advanced payment(s) on contracts (i.e., payments without having received any outputs). In the event that the Bidder requires an advanced payment upon contract signature, and if such request is duly accepted by UNDP, and the said advanced payment exceeds 20% of the total Bid price, or exceed the amount of USD 30,000, UNDP shall require the Bidder to submit a Bank Guarantee in the same amount as the advanced payment. A bank guarantee for advanced payment shall be furnished in the form provided in Section 10.

### **39. Vendor Protest**

UNDP's vendor protest procedure provides an opportunity for appeal to those persons or firms not awarded a purchase order or contract through a competitive procurement process. In the event that a Bidder believes that it was not treated fairly, the following link provides further details regarding UNDP vendor protest procedures:  
<http://www.undp.org/procurement/protest.shtml>

## Instructions to Bidders

### DATA SHEET<sup>2</sup>

The following data for the supply of goods and related services shall complement / supplement the provisions in the Instruction to Bidders. In the case of a conflict between the Instruction to Bidders and the Data Sheet, the provisions in the Data Sheet shall prevail.

DS No.	Cross Ref. to Instructions	Data	Specific Instructions / Requirements
1		Project Title:	ITB/GLED/02/2018
2		Title of Services/Work Required:	Civil Construction Works. LOT 1- Construction of 2 Milk Collection Centers at Sampoor and Pattalipuram at Mutur Ds Division in Trincomalee District. LOT 2- Construction of Sea Access Road at Soodaikudah, Sampoor at Mutur Ds Division in Trincomalee District LOT 3- Construction of Seed Paddy Processing Centre at Munanpodivadaï at Mutur Ds Division in Trincomalee District.
3		Country:	SRI LANKA
4		Minimum Qualifying Criteria (Clauses 9.1 & 9.2)	All items under this clause are required to be submitted by the bidders including:

<sup>2</sup> All DS number entries in the Data Sheet are cited as references in the Instructions to Bidders. All DS Nos. corresponding to a Data must not be modified. Only information on the 3<sup>rd</sup> column may be modified by the user. If the information does not apply, the 3<sup>rd</sup> column must state "n/a" but must not be deleted.



			<p>(a) Valid business registration certificate to trade as a construction firm</p> <p>(b) List and value of projects performed for the last 3 years with similar nature and complexity, plus client's contact details who may be contacted for further information on those contracts. A minimum number of 3 contracts, implemented over the past 3 years, of a similar nature and complexity must be executed by the contractor (to comply with this requirement, work cited should be at least 70 percent complete);</p> <p>(c) List and value of on-going projects with contact details of clients and current percentage completion of each ongoing project.</p> <p>(d) Total monetary value of construction works performed for each of the last five years. Average should be no less than required ICTAD grade financial limit. per year.</p> <p>(e) Independently audited financial accounts for the last two years in English. UNDP will check the financial accounts to compute the quick ratio (QR). Quick ratio tests the company's financial strength and liquidity by calculating a company's liquid assets in proportion to its liabilities.</p> <p>(f) If QR is less than 1; UNDP shall verify financial capacity of the bidder and had the authority to seek references from concerned parties &amp; banks on the bidder's financial standing. UNDP had the right to reject any bid if submitted by a contractor whom investigation leads to a result that he is not financially capable and/or had serious financial problems.</p> <p>(g) Information regarding any litigation, current or during the last five years, in which the Bidder was/is involved, the parties concerned, and the disputed amounts and awards thereof.</p> <p>(h) CVs for key personal proposed for this project, as per minimum stated below</p>
4	C.13	Language of the Bid:	<input checked="" type="checkbox"/> English

5	C.20	Conditions for Submitting Bid for Parts or sub-parts of the Total Requirements	<input checked="" type="checkbox"/> Not allowed Partial Bids within each LOT is not permitted
6	C.20	Conditions for Submitting Alternative Bid	<input checked="" type="checkbox"/> Shall not be considered
7	C.22	A pre-Bid conference will be held on:	Time: 1400Hrs Date: 7/30/2018  Venue: UNDP Project Office, Planning Unit, District Secretariat, Trincomalee  The UNDP focal point for the arrangement is: Mr. Kulasegaram Partheepan Address: UNDP Project Office, Planning Unit, District Secretariat, Trincomalee. Telephone: 0773261697 E-mail: kulasegaram.partheepan@undp.org
8	C.21.1	Period of Bid Validity commencing on the submission date.	<input checked="" type="checkbox"/> 120 days
9	B.9.5 C.15.4 b)	Bid Security	<input checked="" type="checkbox"/> Required Amount: LKR 40,000.00 for Lot 1 LKR 20,000.00 for Lot 2 LKR 80,000.00 for Lot 3 Form: Bank Guarantee
	B.9.5	Acceptable forms of Bid Security <sup>3</sup>	<input checked="" type="checkbox"/> Bank Guarantee (See Section 8 for template)
11	B.9.5 C.15.4 a)	Validity of Bid Security	150 days from the last day of Bid submission. Bid Security of unsuccessful Bidders shall be returned.
12		Advanced Payment upon signing of contract	<input checked="" type="checkbox"/> Allowed up to a maximum of 20% of contract Advance bond guarantee from a bank is required for the full advance payment allowance <sup>4</sup>
13		Liquidated Damages	<input checked="" type="checkbox"/> Will be imposed under the following conditions: Percentage of contract price per week of delay: 0.5% Max. no. of weeks of delay: 20 weeks

<sup>3</sup> Surety bonds or other instruments issued by non-bank Financial Institutions are least preferred by UNDP. Unless stated otherwise, they shall be considered unacceptable to UNDP.

14	F.37	Performance Security  Retention Bond	<input checked="" type="checkbox"/> Required Amount :10% of Bid Amount Form: Bank Guarantee <input checked="" type="checkbox"/> Required Amount; 5% of contract Amount Period: 12 months from contract completion
15	C.17 C.17.2	Preferred Currency of Bid and Method for Currency conversion	<input checked="" type="checkbox"/> Sri Lankan Rupees (LKR) <i>Reference date for determining UN Operational Exchange Rate 6<sup>th</sup> August 2018</i>
16	B.10.1	Deadline for submitting requests for clarifications/ questions	01 <sup>st</sup> August 2018
17	B.10.1	Contact Details for submitting clarifications/questions <sup>5</sup>	Focal Person in UNDP: Mr. K. Partheepan Address: UNDP Project Office, Planning Unit, District Secretariat, Trincomalee Telephone: 0773261697 E-mail: kulasegaram.partheepan@undp.org
18	B.11.1	Manner of Disseminating Supplemental Information to the ITB and responses/clarifications to queries	<input checked="" type="checkbox"/> Direct communication to prospective Bidders by email
19	D.23.3	No. of copies of Bid that must be submitted	Original : 01 (ONE) Copies : 01 (ONE)
20	D.23.1 b) D.23.2 D.24	Bid submission address	Attention: Procurement & Admin Unit United Nations Development Programme 202-204 Bauddhaloka Mawatha Colombo 07 Sri Lanka
21	C.21.1 D.24	Deadline of Bid Submission	Date and Time : August 6, 2018 2:00 PM
22	D.23.2	Manner of Submitting Bid	<input checked="" type="checkbox"/> Courier/Hand Delivery
23	D.23.2 D.26	Conditions and Procedures for electronic submission and opening, if allowed	N/app
24	D.23.1 c)	Date, time and venue for opening of Bid	Date and Time: August 6, 2018 2:30 PM Venue : FAO conference Hall, 202-204 Bauddhaloka Mawatha, Colombo 07, Sri Lanka

<sup>5</sup> This contact person and address is officially designated by UNDP. If inquiries are sent to other person/s or address/es, even if they are UNDP staff, UNDP shall have no obligation to respond nor can UNDP confirm that the query was officially received.

25		Evaluation method to be used in selecting the most responsive Bid	<input checked="" type="checkbox"/> Non-Discretionary “Pass/Fail” Criteria on the Technical Requirements; and <input checked="" type="checkbox"/> Lowest price offer of technically qualified/responsive Bid
26	C.15.1	<p>Required Documents that must be Submitted to Establish Qualification of Bidders (In “Certified True Copy” form only)</p> <p><i>[check all that apply, delete those that will not be required.]</i></p>	<input checked="" type="checkbox"/> Company Profile, which should <u>not</u> exceed fifteen (15) pages, including printed brochures and product catalogues relevant to the goods/services being procured <input checked="" type="checkbox"/> Members of the Governing Board and their Designations duly certified by the Corporate Secretary, or its equivalent document if Bidder is not a corporation <input checked="" type="checkbox"/> Tax Registration/Payment Certificate issued by the Internal Revenue Authority evidencing that the Bidder is updated with its tax payment obligations, or Certificate of Tax exemption, if any such privilege is enjoyed by the Bidder <input checked="" type="checkbox"/> Certificate of Registration of the business, including Articles of Incorporation, or equivalent document if Bidder is not a corporation <input checked="" type="checkbox"/> Quality Certificate (e.g., ISO, etc.) and/or other similar certificates, accreditations, awards and citations received by the Bidder, if any <input checked="" type="checkbox"/> Latest Audited Financial Statement (Income Statement and Balance Sheet) including Auditor’s Report for the past years; <i>[3 years]</i> <input checked="" type="checkbox"/> Evidences to have the adequate bank credit facilities. <input checked="" type="checkbox"/> Evidences to have the sufficient manpower competent to perform the project. <input checked="" type="checkbox"/> Evidences to have the required machineries to perform the project. <input checked="" type="checkbox"/> Statement of Satisfactory Performance from the Top 3 Clients in terms of Contract Value the past 3 years <input checked="" type="checkbox"/> List of Bank References (Name of Bank, Location, Contact Person and Contact Details)
27		Other documents that may be Submitted to Establish Eligibility	Copy of Valid/Updated ICTAD Registration
28	C.15	Structure of the Technical Bid and List of Documents to be Submitted	<i>N/app</i>
29	C.15.2	Latest Expected date for commencement of Contract	<i>August 20, 2018</i>
30	C.15.2	Maximum Expected duration of contract	LOT 1- 3 months LOT 2- 3 months

			LOT 3- 4 months
31		UNDP will award the contract to:	One or more Bidders, depending on the following factors: <i>[Each LOT can be separately awarded or multiple LOT s per bidder or all LOTs to one bidder depending on technical compliance, ICTAD qualifications and capacity]</i>
32	F.34	Criteria for the Award and Evaluation of Bid	<p><b><u>Award Criteria</u></b></p> <p><input checked="" type="checkbox"/> Non-discretionary “Pass” or “Fail” rating on the detailed contents of the Schedule of Requirements and Technical Specifications</p> <p><input checked="" type="checkbox"/> Compliance on the following qualification requirements :</p> <p><input checked="" type="checkbox"/> In a scenario where a Bidder is lowest in more than one Lot but does not have capacity to execute multiple Lots UNDP shall use the following award criteria:</p> <p>a) Overall least price combination across Lots to UNDP based on different combinations of award.</p> <p>b) Preference to award a Lot to a bidder in the event that there may not be other technically responsive bids for that Lot to ensure there is coverage for all Lots;</p> <p>c) Irrespective of determined capacity to undertake more than one lot, UNDP may decide at its discretion to award Lots to different bidders to reduce risk of delivery.</p> <p><b><u>Bid Evaluation Criteria<sup>6</sup></u></b></p> <p><input checked="" type="checkbox"/> Minimum no. of years of experience: <i>[03 years];</i></p> <p><input checked="" type="checkbox"/> Minimum no. of construction projects in similar nature undertaken within last Five years: <i>[03 projects];</i></p> <p><input checked="" type="checkbox"/> Minimum no. of construction projects in similar money volume of undertaken within last five years: <i>[02 projects ];</i></p> <p><input checked="" type="checkbox"/> Full compliance of Bid to the Technical Requirements;</p>
33	E.29	Post qualification Actions	<p><input checked="" type="checkbox"/> Verification of accuracy, correctness and authenticity of the information provided by the bidder on the legal, technical and financial documents submitted;</p> <p><input checked="" type="checkbox"/> Validation of extent of compliance to the ITB requirements and evaluation criteria based on what has so far been found by the evaluation</p>

<sup>6</sup> Pls. reconcile and ensure consistency with the contents of the Technical Specifications

			team; <input checked="" type="checkbox"/> Inquiry and reference checking with Government entities with jurisdiction on the bidder, or any other entity that may have done business with the bidder; <input checked="" type="checkbox"/> Inquiry and reference checking with other previous clients on the quality of performance on ongoing or previous contracts completed; <input checked="" type="checkbox"/> Physical inspection of the bidder's plant, factory, branches or other places where business transpires, with or without notice to the bidder; <input type="checkbox"/> Testing and sampling of completed goods similar to the requirements of UNDP, where available; and <input type="checkbox"/> Others <i>[click here to specify]</i>
34		Conditions for Determining Contract Effectively	<input checked="" type="checkbox"/> UNDP's receipt of Performance Bond
35		Other Information Related to the ITB <sup>7</sup>	<b>Required ICTAD Grading</b> <b>LOT 1-C7 Building Construction</b> <b>LOT 2-C8 Road/Highway Construction</b> <b>LOT 3-C7 Building construction</b>

### Section 3a: Schedule of Requirements and Technical Specifications

\* please refer to the respective a) Tender BOQ b) Scope of works and c) Pricing preambles

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<sup>7</sup> Where the information is available in the web, a URL for the information may simply be provided.

## Section 4: Bid Submission Form<sup>8</sup>

**(This should be written in the Letterhead of the Bidder. Except for indicated fields, no changes may be made in this template.)**

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Sri Lanka  
7/18/2018

To: Head of Procurement

Dear Sir/Madam:

We, the undersigned, hereby offer to supply the goods and related services required for **[insert: title of goods and services required as per ITB]** in accordance with your Invitation to Bid dated **[insert: bid date]**. We are hereby submitting our Bid, which includes the Technical Bid and Price Schedule.

We hereby declare that:

- a) All the information and statements made in this Bid are true and we accept that any misrepresentation contained in it may lead to our disqualification;
- b) We are currently not on the removed or suspended vendor list of the UN or other such lists of other UN agencies, nor are we associated with, any company or individual appearing on the 1267/1989 list of the UN Security Council;
- c) We have no outstanding bankruptcy or pending litigation or any legal action that could impair our operation as a going concern; and
- d) We do not employ, nor anticipate employing, any person who is or was recently employed by the UN or UNDP.

We confirm that we have read, understood and hereby fully accept the Schedule of Requirements and Technical Specifications describing the duties and responsibilities required of us in this ITB, and the General Terms and Conditions of UNDP's Standard Contract for this ITB.

We agree to abide by this Bid for **[insert: period of validity as indicated in Data Sheet]**.

We undertake, if our Bid is accepted, to initiate the supply of goods and provision of related services not later than the date indicated in the Data Sheet.

We fully understand and recognize that UNDP is not bound to accept this Bid that we shall bear all costs associated with its preparation and submission, and that UNDP will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the evaluation.

We remain,

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<sup>8</sup> No deletion or modification may be made in this form. Any such deletion or modification may lead to the rejection of the Bid.

Yours sincerely,

Authorized Signature *[In full and initials]*: \_\_\_\_\_

Name and Title of Signatory: \_\_\_\_\_

Name of Firm: \_\_\_\_\_

Contact Details: \_\_\_\_\_

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*[please mark this letter with your corporate seal, if available]*

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## Section 5: Documents Establishing the Eligibility and Qualifications of the Bidder

### Bidder Information Form<sup>9</sup>

Date: *[insert date (as day, month and year) of Bid Submission]*

ITB No.: *[insert number of bidding process]*

Page \_\_\_\_\_ of \_\_\_\_\_ pages

1. Bidder's Legal Name <i>[insert Bidder's legal name]</i>		
2. In case of Joint Venture (JV), legal name of each party: <i>[insert legal name of each party in JV]</i>		
3. Actual or intended Country/ies of Registration/Operation: <i>[insert actual or intended Country of Registration]</i>		
4. Year of Registration in its Location: <i>[insert Bidder's year of registration]</i>		
5. Countries of Operation	6. No. of staff in each Country	7. Years of Operation in each Country
8. Legal Address/es in Country/ies of Registration/Operation: <i>[insert Bidder's legal address in country of registration]</i>		
9. Value and Description of Top three (3) Biggest Contract for the past five (5) years		
10. Latest Credit Rating (Score and Source, if any)		
11. Brief description of litigation history (disputes, arbitration, claims, etc.), indicating current status and outcomes, if already resolved.		
12. Bidder's Authorized Representative Information  Name: <i>[insert Authorized Representative's name]</i> Address: <i>[insert Authorized Representative's Address]</i> Telephone/Fax numbers: <i>[insert Authorized Representative's telephone/fax numbers]</i> Email Address: <i>[insert Authorized Representative's email address]</i>		
13. Are you in the UNPD List 1267.1989 or UN Ineligibility List ? <input type="checkbox"/> YES or <input type="checkbox"/> NO		
14. Attached are copies of original documents of:  <input type="checkbox"/> All eligibility document requirements listed in the Data Sheet  <input type="checkbox"/> If Joint Venture/Consortium – copy of the Memorandum of Understanding/Agreement or Letter of Intent to form a JV/Consortium, or Registration of JV/Consortium, if registered  <input type="checkbox"/> If case of Government corporation or Government-owned/controlled entity, documents establishing legal and financial autonomy and compliance with commercial law.		

<sup>9</sup> The Bidder shall fill in this Form in accordance with the instructions. Apart from providing additional information, no alterations to its format shall be permitted and no substitutions shall be accepted.

## Joint Venture Partner Information Form (if Registered)<sup>10</sup>

Date: *[insert date (as day, month and year) of Bid Submission]*

ITB No.: *[insert number of bidding process]*

Page \_\_\_\_\_ of \_\_\_\_\_ pages

1. Bidder's Legal Name: <i>[insert Bidder's legal name]</i>		
2. JV's Party legal name: <i>[insert JV's Party legal name]</i>		
3. JV's Party Country of Registration: <i>[insert JV's Party country of registration]</i>		
4. Year of Registration: <i>[insert Party's year of registration]</i>		
5. Countries of Operation	6. No. of staff in each Country	7. Years of Operation in each Country
8. Legal Address/es in Country/ies of Registration/Operation: <i>[insert Party's legal address in country of registration]</i>		
9. Value and Description of Top three (3) Biggest Contract for the past five (5) years		
10. Latest Credit Rating (if any): <a href="#">Click here to enter text.</a>		
1. Brief description of litigation history (disputes, arbitration, claims, etc.), indicating current status and outcomes, if already resolved. <a href="#">Click here to enter text.</a>		
13. JV's Party Authorized Representative Information Name: <i>[insert name of JV's Party authorized representative]</i> Address: <i>[insert address of JV's Party authorized representative]</i> Telephone/Fax numbers: <i>[insert telephone/fax numbers of JV's Party authorized representative]</i> Email Address: <i>[insert email address of JV's Party authorized representative]</i>		
14. Attached are copies of original documents of: <i>[check the box(es) of the attached original documents]</i> <input type="checkbox"/> All eligibility document requirements listed in the Data Sheet <input type="checkbox"/> Articles of Incorporation or Registration of firm named in 2. <input type="checkbox"/> In case of government owned entity, documents establishing legal and financial autonomy and compliance with commercial law.		

<sup>10</sup> The Bidder shall fill in this Form in accordance with the instructions. Apart from providing additional information, No alterations to its format shall be permitted and no substitutions shall be accepted.

## Section 6: Technical Bid Form<sup>11</sup>

**INSERT TITLE OF THE ITB**

<b>Name of Bidding Organization / Firm:</b>	
<b>Country of Registration:</b>	
<b>Name of Contact Person for this Bid:</b>	
<b>Address:</b>	
<b>Phone / Fax:</b>	
<b>Email:</b>	

### SECTION 1: EXPERTISE OF FIRM/ ORGANISATION

*This section should fully explain the Bidder's resources in terms of personnel and facilities necessary for the performance of this requirement.*

**1.1 Brief Description of Bidder as an Entity:** Provide a brief description of the organization / firm submitting the Bid, its legal mandates/authorized business activities, the year and country of incorporation, and approximate annual budget, etc. Include reference to reputation, or any history of litigation and arbitration in which the organisation / firm has been involved that could adversely affect or impact the delivery of goods and/or performance of related services, indicating the status/result of such litigation/arbitration.

**1.2. Financial Capacity:** Based on the latest Audited Financial Statement (Income Statement and Balance Sheet) describe the financial capacity (liquidity, stand-by credit lines, etc.) of the bidder to engage into the contract. Include any indication of credit rating, industry rating, etc.

**1.3. Track Record and Experiences:** Provide the following information regarding corporate experience within at least the last five (5) years which are related or relevant to those required for this Contract.

Name of project	Client	Contract Value	Period of activity	Types of activities undertaken	Status or Date Completed	References Contact Details (Name, Phone, Email)

### SECTION 2 - SCOPE OF SUPPLY, TECHNICAL SPECIFICATIONS, AND RELATED SERVICES

*This section should demonstrate the Bidder's responsiveness to the specification by identifying the specific components proposed, addressing the requirements, as specified, point by point; providing a detailed description of the essential performance characteristics proposed; and demonstrating how the proposed bid meets or exceeds the specifications.*

<sup>11</sup> Technical Bids not submitted in this format may be rejected.

**2.1. Scope of Supply:** Please provide a detailed description of the goods to be supplied, indicating clearly how they comply with the technical specifications required by the ITB (see below table); describe how the organisation/firm will supply the goods and any related services, keeping in mind the appropriateness to local conditions and project environment.

Item No.	Description/ Specification of Goods	Source/ Manufacturer	Country of Origin	Qty	Quality Certificate/ Export Licences, etc. (indicate all that applies and if attached)

*A supporting document with full details may be annexed to this section*

**2.2. Technical Quality Assurance Mechanisms:** The bid shall also include details of the Bidder's internal technical and quality assurance review mechanisms, all the appropriate quality certificates, export licenses and other documents attesting to the superiority of the quality of the goods and technologies to be supplied.

**2.3. Reporting and Monitoring:** Please provide a brief description of the mechanisms proposed for this project for reporting to the UNDP and partners, including a reporting schedule.

**2.4. Subcontracting:** Explain whether any work would be subcontracted, to whom, how much percentage of the work, the rationale for such, and the roles of the proposed sub-contractors. Special attention should be given to providing a clear picture of the role of each entity and how everyone will function as a team.

**2.5. Risks / Mitigation Measures:** Please describe the potential risks for the implementation of this project that may impact achievement and timely completion of expected results as well as their quality. Describe measures that will be put in place to mitigate these risks.

**2.6 Implementation Timelines:** The Bidder shall submit a Gantt Chart or Project Schedule indicating the detailed sequence of activities that will be undertaken and their corresponding timing.

**2.7. Partnerships (Optional):** Explain any partnerships with local, international or other organizations that are planned for the implementation of the project. Special attention should be given to providing a clear picture of the role of each entity and how everyone will function as a team. Letters of commitment from partners and an indication of whether some or all have successfully worked together on other previous projects is encouraged.

**2.8. Anti-Corruption Strategy (Optional):** Define the anti-corruption strategy that will be applied in this project to prevent the misuse of funds. Describe the financial controls that will be put in place.

**2.9 Statement of Full Disclosure:** This is intended to disclose any potential conflict in accordance with the definition of "conflict" under Section 4 of this document, if any.

**2.10 Other:** Any other comments or information regarding the bid and its implementation.

### SECTION 3: PERSONNEL

**3.1 Management Structure:** Describe the overall management approach toward planning and implementing the contract. Include an organization chart for the management of the contract, if awarded.

**3.2 Staff Time Allocation:** Provide a spreadsheet will be included to show the activities of each personnel involved in the implementation of the contract. Where the expertise of the personnel is critical to the success of the contract, UNDP will not allow substitution of personnel whose qualifications had been reviewed and accepted during the bid evaluation. (If substitution of such a personnel is unavoidable, substitution or replacement will be subject to the approval of UNDP. No increase in costs will be considered as a result of any substitution).

**3.3 Qualifications of Key Personnel.** Provide the CVs for key personnel (Team Leader, Managerial and general staff) that will be provided to support the implementation of this project. CVs should demonstrate qualifications in area of expertise relevant to the Contract. Please use the format below:

<b>Name:</b>		
<b>Role in Contract Implementation:</b>		
<b>Nationality:</b>		
<b>Contact information:</b>		
<b>Countries of Relevant Work Experience:</b>		
<b>Language Skills:</b>		
<b>Education and other Qualifications:</b>		
<b>Summary of Experience:</b> <i>Highlight experience in the region and on similar projects.</i>		
<b>Relevant Experience (From most recent):</b>		
<b>Period: From – To</b>	<b>Name of activity/ Project/ funding organisation, if applicable:</b>	<b>Job Title and Activities undertaken/Description of actual role performed:</b>
<i>e.g. June 2010-January 2011</i>		
<i>Etc.</i>		
<i>Etc.</i>		
<b>References (minimum of 3):</b>	<i>Name</i> <i>Designation</i> <i>Organization</i> <i>Contact Information – Address; Phone; Email; etc.</i>	
<b>Declaration:</b>  I confirm my intention to serve in the stated position and present availability to serve for the term of the proposed contract. I also understand that any wilful misstatement described above may lead to my disqualification, before or during my engagement.  <hr style="width: 50%; margin-left: 0;"/> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <span>Signature of the Nominated Team Leader/Member</span> <span>Date Signed</span> </div>		

## Section 7: Price Schedule Form<sup>12</sup>

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The Bidder is required to prepare the Price Schedule as indicated in the Instruction to Bidders.

Kindly refer to the BOQ of respective LOT.

## Section 8: FORM FOR BID SECURITY

***(This must be finalized using the official letterhead of the Issuing Bank.  
Except for indicated fields, no changes may be made in this template.)***

---

To: **UNDP Resident Representative**  
**202-204, Bauddhaloka Mawatha, Colombo 07.**

WHEREAS [name and address of Contractor] (hereinafter called “the Bidder”) has submitted a Bid to UNDP dated [Click here to enter a date.](#) , to deliver goods and execute related services for [indicate ITB title] (hereinafter called “the Bid”):

AND WHEREAS it has been stipulated by you that the Bidder shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security in the event that the Bidder:

- a) Fails to sign the Contract after UNDP has awarded it;
- b) Withdraws its Bid after the date of the opening of the Bid;
- c) Fails to comply with UNDP’s variation of requirement, as per ITB Section F.35; or
- d) Fails to furnish Performance Security, insurances, or other documents that UNDP may require as a condition to rendering the contract effective.

AND WHEREAS we have agreed to give the Bidder such this Bank Guarantee:

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

This guarantee shall be valid until 30 days after the date of validity of the bids.

---

<sup>12</sup> No deletion or modification may be made in this form. Any such deletion or modification may lead to the rejection of the Bid.

**SIGNATURE AND SEAL OF THE GUARANTOR BANK**

Date .....

Name of Bank .....

Address .....

## Section 9: FORM FOR PERFORMANCE SECURITY<sup>13</sup>

***(This must be finalized using the official letterhead of the Issuing Bank.  
Except for indicated fields, no changes may be made in this template.)***

---

To: UNDP Resident Representative  
202-204, Bauddhaloka Mawatha, Colombo 07.

WHEREAS [*name and address of Contractor*] (hereinafter called “the Contractor”) has undertaken, in pursuance of Contract No. Click to enter dated Click to enter , to deliver the goods and execute related services [Click here to enter text](#). (hereinafter called “the Contract”):

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

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

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

This guarantee shall be valid until a date 30 days from the date of issue by UNDP of a certificate of satisfactory performance and full completion of services by the Contractor.

### SIGNATURE AND SEAL OF THE GUARANTOR BANK

Date .....

Name of Bank .....

Address .....

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<sup>13</sup> If the RFP requires the submission of a Performance Security, which shall be made a condition to the signing and effectivity of the contract, the Performance Security that the Bidder's Bank will issue shall use the contents of this template



## Section 11: Contract

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**PLEASE ATTACH HERETO THE SAMPLE OF THE CONTRACT WHICH WILL BE USED AND THE GENERAL TERMS AND CONDITIONS FOR CIVIL WORK IS AVAILABLE TO DOWNLOAD FROM [WWW.LK.UNDP.ORG](http://WWW.LK.UNDP.ORG) > OPERATIONS > PROCUREMENT.**



*Empowered lives.  
Resilient nations.*

### CONTRACT FOR CIVIL WORKS

Date: [Click here to enter text.](#)

Dear Sir/Madam,

Contract NO. ....

Ref.: (Project Name & No) [Click here to enter text.](#)

The United Nations Development Programme (hereinafter referred to as "UNDP"), wishes to engage your company, [Click here to enter text.](#) duly incorporated under the Laws of Sri Lanka (hereinafter referred to as the "Contractor") in order to perform [Click here to enter text.](#) (hereinafter referred to as the "Works"), in accordance with the following Contract:

#### **1. Contract Documents**

- 1.1 This Contract is subject to the UNDP General Conditions for Civil Works available at ([www.lk.undp.org](http://www.lk.undp.org) > Operations > procurement). The provisions of such Annex shall control the interpretation of this Contract and in no way shall be deemed to have been derogated by the contents of this letter and any other Annexes, unless otherwise expressly stated under section 4 of this letter, entitled "Special Conditions".
- 1.2 The Contractor and UNDP also agree to be bound by the provisions contained in the following documents, which shall take precedence over one another in case of conflict in the following order:
  - a) this letter;

- b) the Technical Specifications and Drawings [Click here to enter text.](#), attached hereto as Annex II;
- c) the Contractor's Tender [Click here to enter text.](#) only, not attached hereto but known to and in the possession of both parties.

- 1.3 All the above shall form the Contract between the Contractor and UNDP, superseding the contents of any other negotiations and/or agreements, whether oral or in writing, pertaining to the subject of this Contract.

## **2. Obligations of the Contractor**

- 2.1 The Contractor shall commence work within [Click here to enter text.](#) days from the date on which he shall have been given access to the Site and received the notice to commence from the Engineer, and shall perform and substantially complete the Works by [Click here to enter text.](#), in accordance with the Contract. The Contractor shall provide all materials, supplies, labour and other services necessary to that end.
- 2.2 The Contractor shall submit to the Engineer the Programme of Work referred to in Clause 13 of the General Conditions by [Click here to enter text.](#).
- 2.3 The Contractor represents and warrants the accuracy of any information or data provided to UNDP for the purpose of entering into this Contract, as well as the quality of the Works foreseen under this Contract in accordance with the highest industrial and professional standards.

## **3. Price and Payment**

- 3.1 In full consideration of the complete and satisfactory performance of the Works under this Contract, **UNDP shall pay the Contractor an amount not exceeding contract price of LKR ..... equal to LKR** [Click here to enter text.](#) **net volume of works, plus LKR** [Click here to enter text.](#) **for .....** VAT as and if applicable within the framework of Annex I.
- 3.2 The price of this Contract is not subject to any adjustment or revision because of currency fluctuations during the performance of the Contract.
- 3.3 Invoices shall be submitted by the Contractor to the Engineer upon achievement of the corresponding milestones and the UNDP payments will be effected on a measure and pay basis on submission of certified invoices in keeping with the price stipulated in the contractor's offer document. Each invoice shall detail the net volume of works billed and applicable VAT separately.

### **MILESTONE**

3.3.1. Payments shall be made on measure and pay basis for the following activities upon submission of invoices for progress payments of the activities (Amounts given here are VAT Excluded amounts in LKR). Such invoices for progress payments shall not be less than 20% of the total contract value or the following activities upon completion of the activities (Amounts given here are VAT Excluded amounts in LKR)


3.3.2 Final payment shall be made upon completion of Works, and submission of Retention bond

3.4 UNDP shall effect payment of the invoices after receipt of the certificate of payment issued by the Engineer, approving the amount contained in the invoice. The Engineer may make corrections to that amount, in which case UNDP may effect payment for the amount so corrected. The Engineer may also withhold invoices if the work is not performed at any time in accordance with the terms of the Contract or if the necessary insurance policies or performance security are not valid and/or in order. The Engineer shall process the invoices submitted by the Contractor within [Click here to enter text.](#) of their receipt.

3.5 Payments effected by UNDP to the Contractor shall be deemed neither to relieve the Contractor of its obligations under this Contract nor as acceptance by UNDP of the Contractor's performance of the Works.

3.6 Payment of the final invoice shall be effected by UNDP after issuance of the Certificate of Final Completion by the Engineer.

#### 4. **Special conditions**

4.1 UNDP will pay an advance payment which is [Click here to enter text.](#) upon signature of this contract by both parties and submission of an advance bond by the contractor for the full amount of the advance payment.

4.2 The amounts of the payments referred to under section 3.6 above shall be subject to a deduction of [Click here to enter text.](#)% ([Click here to enter text.](#)) of the amount accepted for payment until the cumulative amount of the deductions so effected shall equal the amount of the advance payment. Should the cumulative amount of the deductions so made be lower than the amount of the advance payment after the date of substantial completion of the Works, UNDP may deduct the amount equal to the difference between the advance payment and the cumulative deductions from the payments due after substantial completion or may recover such amount from the bank guarantee referred to in 4.1 above. The amount of the payments referred to under paragraph 3.3 above shall be subject to a deduction of 10% of the amount accepted for payment as Security Deposit (retention amount) from all progressive payments of contract sum subject to a limit of 5% of the Final Net Contract Sum which will be refundable back to the contractor only after the defects liability period of 4 (four) months and the issuance of final certificate.

- 4.3 The Performance BOND referred to in Clause 10 of the General Conditions shall be submitted by the Contractor for an amount of **LKR** .
- 4.4 The Contractor may submit invoices for materials and plant stored at the Site, provided they are necessary and adequate for the performance of the Works and they are protected from weather conditions and duly insured as per the instructions of the Engineer.
- 4.5 The liability insurance referred to in Clause 23 of the General Conditions shall be taken out by the Contractor for an amount of **LKR** .
- 4.6 According to Clause 45 of the General Conditions, the liquidated damages for delay shall be **0.5%** of the net price of the Contract per week of delay, up to a maximum of 10% of the final net value of the Contract.

**5. Submission of invoices**

- 5.1 One original and one copy of every invoice shall be submitted by mail by the Contractor for each payment under the Contract to the Engineer's address specified in clause 8.2.
- 5.2 Invoices submitted by fax shall not be accepted by UNDP.

**6. Time and manner of payment**

- 6.1 Invoices shall be paid within thirty (30) days of the date of their receipt and acceptance by UNDP.
- 6.2 All payments shall be made by UNDP to the following Bank account of the Contractor:

**Contractor's Bank Details**

**7. Modifications**

- 7.1 Any modification to this Contract shall require an amendment in writing between both parties duly signed by the authorized representatives of the Contractor and UNDP.

**8. Notifications**

- 8.1 For the purpose of notifications under the Contract, the addresses of UNDP and the Contractor are as follows:

**For the UNDP:**

[Click here to enter text.](#)

**For the Contractor:**

[Click here to enter text.](#)

- 8.2 For the purposes of communications with regard to the implementation, the address of

the Officer shall be as follows:

[Click here to enter text.](#)

If the above terms and conditions meet with your agreement as typed in this letter and in the Contract Documents, please initial every page of this letter and its attachments and return to this office one original of this Contract, duly signed and dated.

Yours sincerely,

\_\_\_\_\_  
[Click here to enter text.](#)

**For the Company/Organization**

Agreed and Accepted:

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

## **SCOPE OF WORK**

### **Support to Strengthening of Milk Collection Network and Milk Processing**

#### **CONSTRUCTION OF TWO NOS OF MILK COLLECTEION CENTERS ( SAMPUR & PADDALIPURAM)**

Muthur DS Division has the second highest population and the first highest in terms of land area extent in the Trincomalee District. This Division is one with high potential within the District with regard to the dairy sector. This Division has 11,060 dairy population (accounting the milking and dry animals only) which is 23% of the total dairy population in the District and contributes to 29% of the annual milk production in the District in 2014. The Muthur East Dairy Development Cooperative Society (Milk Society) has functioned in this Division since 2012 and at present there are 250 dairy farmers who have obtained membership. As per the information shared by the Department of Animal Production and Health, Trincomalee the average annual milk production was recorded as 570,000 litres in the Muthur Division. The Milk Society has been supported by Peace Wind Japan and UNDP, the Milk Society carries out milk collection in nine locations and doing value addition processing in small scale. The collection network not formalized yet as high influence of the individual middle men, it is lead to low price for milk to farmers, specially in Sampoor Region there are no milk collection points or networks at present. Nearly 700 litres of milk per day is being collected by the Milk Society and around 500 litres of milk transported out of the Division by Nestle and MILCO while 40 litres undergoes value addition and to support the government led pre-school nutrition programme in the Muthur DS Division. Nestle and MILCO do not have their own milk collection points in the Muthur DS Division and therefore milk collection is being facilitated by the Milk Society. One of the objectives of this sub-project intervention is to create better market access for dairy farmers who live in Sampoor and its surrounding villages to be able to sell their produce and increase opportunities for milk processing, production and marketing capacities by connecting with the Milk Society's formalized network.

#### **The proposed intervention will provide the following:**

The intervention will focus on both Primary Producers (farmers) and the Milk Society as a Producer Organization to create better market access for dairy farmers to be able to sell their produce and increase opportunities for milk processing, production and marketing capacities of Milk Society to manage their businesses with special attention on gender sensitivity and environmental sustainability. UNDP will support Milk Society as Producer Organization to enable their milk collection, value addition, business development and market access. It is expected that Department of Animal Production and Health could support the intervention through provide training for farmers and exposure and its extension services.

#### **Topography of Sites**

Since the project sites are located in In Sampur and Paddlaipuram access to these areas will not be difficult. However, the contractor should pay particular attention when using heavy construction machineries; depending on the case the supplier may be required to obtain prior approval from the relevant authorities before using such equipment.

Furthermore, the Contractor has to make special considerations on the site conditions such as "Filled ground" & "ground water conditions", and also on any possible Environmental pollution due to construction activities. In any such situation, the contractor must follow the Local authority/ Environmental Authority standards.

The soil type is sandy and may not encounter rocks. The land may need a little filling. The elevation of the site is around 3m from mean sea level. Water table is around 05-15 feet and is predominantly affected by the rain. The access road, transport and electricity and water are available at the site

## **2. Bill of Quantities/Technical Specifications**

The Contractor shall adhere to the standard UNDP/ICTAD technical specification for Building Construction/Civil engineering construction and the contractor should have a minimum of MS or C6 level of ICTAD registration in road construction.

The bill of Quantities are attached

## **3. Construction Design Drawings**

The Design Drawing are attached

## **4. Site plans/Locations**

The site plan with exact location of project site marked is attached

## **5. Period of Implementation**

**Three (3) months** will be given to implement the project from the date of sign the contract

# Governance for Local Economic Development Programme

## BOQ-SUMMARY SHEET

<b>PROJECT TITLE</b>	<b>CONSTRUCTION OF 2 MILK COLLECTION CENTERS AT SAMPOOR AND PATTALIPURAM</b>
<b>PROJECT LOCATION</b>	<b>SAMPOOR &amp; PATTALIPURAM</b>
<b>DISTRICT</b>	<b>TRINCOMALEE</b>

<b>BILL NO.</b>	<b>DESCRIPTION</b>	<b>SUB TOTAL (SLRS)</b>	<b>TOTAL OF PRO SUM (SLRS)</b>
1	PRELIMINARIES		
2	MILK COLLECTION & SALES CENTER - SAMPOOR		
3	TOILET & WATER TANK - SAMPOOR	-	
4	EXTERNAL SERVICES - SAMPOOR	-	
5	MILK COLLECTION CENTER - PATTALIPURAM		
6	TOILET & WATER TANK - PATTALIPURAM		
7	EXTERNAL SERVICES - PATTALIPURAM		
<b>Sub Total 1 (Total of 2 to 4) (without add pro sum)</b>			
Ddt - Discount .....% (if any) for Sub Total 1			
<b>Sub Total 2 (Pro sum of 1+2+3+ Sub Total 1-Discout)</b>			
10% of Physical Contingencies of Sub Total 2			
<b>Estimated Amount (Sub Toatal 2+10% Contingencies)</b>			
<b>Estimated Amount (without VAT)</b>			

**Bid Amount in Words (excluding VAT) : SLRs. ....**

.....

VAT Registration No (if available) .....

Signature and seal : .....

Name of Bidder : .....

Address : .....

Date : .....

\* Note: The services produced by UNDP are exempted of all taxes. As such the quated price is to be exclusive of VAT



**CONSTRUCTION OF 2 MILK COLLECTION CENTERS AT SAMPOOR AND PATTALIPURAM**  
**PRICED BILLS OF QUANTITIES**  
**BILL NO. 01- PRELIMINARIES**

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b>A</b>	<b><u>PRELIMINARIES</u></b>				
	The attention of the bidder is drawn to the use of Bill of Quantities, Drawings, Conditions of Contract, Specifications and any other particulars related to this of the bid. It is the bidder's responsibility to see that his price includes for complying with all the requirements of the conditions of contract and other documents whether specifically.	Note			
	The bidder is advised to visit the site of the proposed work, as it is his responsibility to ascertain the Conditions, governing access to the site, the external working space, storage area, etc.,	Note			
	Exsisting roads & culverts cannot take the passage of heavy vehicle or such in adquate areas to be strenghten by the successful bidder, before make use of such areas, roads and approches.	Note			
	Any existing services, roads, culverts and approches damaged during the construction to be reinstated without any charge to the employer.	Note			
	All temporary works shall be dismantled and cleared away from the site on completion of the work.	Note			
	Any other preliminary items not listed below but deemed to be included in the bid rates, as no extras would be made.	Note			
	No work in any trade shall be carried out in such a manner as to cause any nuisance to adjacent owners or the public.	Note			
	Mechanical plant and equipment which emits obnoxious liquids, gases etc., will not be allowed to be used on the site, without the prior approval from the Employer and the Engineer.	Note			
	The Engineer has the final decision as and when he deems it necessary for the Contractor to take precautions, maintain or repair such plant and equipment or order their removal from the site.	Note			
	The contractor shall be responsible for any loss or damage to the works, existing structures, adjoining structures and unfixed materials.	Note			
	The Contractor shall be responsible for necessary lighting, watchman and other suitable measures during construction until handing over	Note			
	Contractor shall be responsible for erection, shifting and maintaining of necessary protective netting, fencing, hording, screens at site and other precautions to the required standard and satisfaction of the Engineer.	Note			
<b>A.01</b>	<b>Provisional Sum</b> for providing a Performance Security		Pro. Sum		15,000.00

A.02	<b>Provisional Sum</b> for Insurance of Works, Machinery & Equipment, Plant and Matrerials at site as per contract.		Pro. Sum		30,000.00
A.03	<b>Provisional Sum</b> for Insurance against accidents and injury to third party persons & property and Employer's personnel & property, Contractor's personnel at site as per the contract.		Pro. Sum		7,000.00
A.04	Allow lump sum for provision of office and water-supply and sanitation-facilities for use of the engineer, as directed. ( 2 Nos)		Item		
A.05	Allow lump sum for providing and maintaining a first aid box and regular supply of medicine, linen etc.(2 Nos)		Item		
A.06	Allow lump sum for setting out of Works in accordance with drawings and other written information given by the		Item		
A.07	Allow lump sum for all cost in connection with preparing samples for testing, making arrangemnts for testing of mataerials, goods etc., as stipulated in the specification, obtaining test reports and submitting the same to the		Pro. Sum		3,000.00
A.08	Allow for lump sum for provision of 03 sets of (hard copies and soft copies) As-Built drawings of all services for Enginner's approval		Item		
A.09	Allow lump sum for providing all necessary safety measures to workmen at aite conforming to the ltest industrial safety regulations and as derected by the Engineer.(*PPE System & Safety Nets)		Item		
A.10	Allow lump sum to providing and maintaining of Name Board 1.2m x 0.9 m, as directed and approved by the engineer. Rate shall include for erection and fixing to the earth firmly on to the concrete base. (2 Nos)		Item		
	<b>SUB TOTAL FOR PRELIMINARIES CARRIED TO GRAND SUMMARY</b>			<b>SLRs.</b>	

CONSTRUCTION OF 2 MILK COLLECTION CENTERS AT SAMPOOR AND PATTALIPURAM					
PRICED BILLS OF QUANTITIES					
BILL NO. 02- CONSTRUCTION OF MILK COLLECTION AND SALES CENTER AT SAMPOOR					
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
2B	<b><u>EXCAVATION &amp; EARTH WORK</u></b>				
	The Bidders are requested to refer the General Notes, Pricing Preambles, Drawings, Specifications, Conditions of Contract, Special Conditions of Contract and all other relevant documents prior to pricing of the following items.	Note			
	Rates shall include for any working space as required by the contractor.	Note			
	Dewatering has not been measured separately. (Rate shall include for cost of dewatering if necessary)	Note			
	The bidder shall submit the following information together with their quote.	Note			
	(a) Method of excavation.				
	(b) Equipment with details of capacities proposed for excavation and removal of earth.				
	(c) Method of dewatering				
	(d) Details of temporary work				
	(e) Method of earth work support.				
	The bidder is requested to check ground water level and soil investigation report, limitation of transport, limitation of site, conditions of the existing road for possibility of transportation of heavy equipment etc., prior to pricing this section of work.	Note			
	The contractor shall arrange and obtain necessary permission from authorities for disposal and dumping of earth.	Note			
	Rates shall include for removal and disposal of any obstructions, such as artificial structure and rock boulders etc., during excavation if encountered.	Note			
	<b>Earthwork Support</b>				
	Rate to include the cost of Earth work supporting system to be carried out only on the instruction of the engineer depending on the nature of the soil.	Note			
	The contractor shall design and carry out the most suitable earthwork support system capable of achieving the specified technical requirement and in consideration of ground water level, soil condition, other buildings and structures situated close to the site. The Tenderer shall submit his proposal in detail with necessary calculations, method, type of equipment/plant, propose to use and shop drawings etc., along with the bid for the approval of the Engineer.	Note			
	Rates for excavation shall include for :	Note			
	All necessary shoring, strutting, etc. and removal after completion of work.				
	Stabilisation of excavated surfaces, if required.				
	All working space required, including for planking, strutting, formwork etc.				

	Bulking after excavation and disposal of excavated material as directed.				
	Backfilling with approved material to required levels and surfaces, consolidating and ramming by an approved method for over excavation.				
	Dewatering, if required.				
	Measurement for payment for excavation shall be for the net contact volumes upto the concrete surface.				
	<b>Site Preparation</b>				
2B.01	Clearing site vegetation including compacting and disposal of all surplus excavated material away from the site as directed. (contractor shall visit the site & assert the actual work involve)	Item	Allow		
2B.02	Excavating to reduce level average depth of 150mm	m <sup>2</sup>	100.000		
2B.03	Excavation for Wall and Column foundations in any soil and soft rock except Hard rock requiring blasting, depth not exceeding 1500mm from the existing Ground level.	m <sup>3</sup>	20.000		
2B.04	Approved imported hard earth (Gravel) filling including levelling, watering and compacting in 150mm layers between foundation of walls upto DPC level with 98% compaction. (Measured compacted volume)	m <sup>3</sup>	18.000		
2B.05	Approved imported hard earth (Gravel) filling including levelling, watering and compacting in 150mm layers around the building with 98% compaction. (Measured compacted volume)	m <sup>3</sup>	10.000		
2B.06	Approved available hard earth filling including levelling, watering and compacting in 150mm layers between foundation of walls upto DPC level with 98% compaction. (Measured compacted volume)	m <sup>3</sup>	4.000		
2B.07	Anti - termite treatment which shall cover excavated trenches, pits, etc. and the ground covered by floor slabs, foundation & walls and 2m beyond the building perimeter. Work shall be carried out by a reputed Pest control Company approved by the Engineer. Particulars of chemicals used and their concentration shall be forwarded to the Engineer for approval. The Contractor shall furnish a joint guarantee binding Specialist Sub-contractor and the Contractor as to the effectiveness of the Anti-termite treatment for a minimum period of 10 years after completion and cost shall include for precautionary measures against chemicals being infiltrated into outside area. Area Measured shall be Plinth area of the Building.	m <sup>2</sup>	50.000		
	<b>Disposal</b>				
	All excavated earth shall be a property of the Client and Contractor has to dispose within 2.0 km from the site as directed by Client.	Note			
	<b>SUB TOTAL FOR EXCAVATION AND EARTH WORK CARRIED TO SUMMARY</b>			<b>SLRs.</b>	
<b>2C</b>	<b>CONCRETE WORK</b>				

	The bidders are requested to refer General Notes, Pricing Preambles, Drawings, Specifications, Conditions of Contract, Special Conditions of Contract and all other relevant documents prior to pricing of the following items.	Note			
	All Concrete Works shall comply to the specifications, filled into formwork and well packed around reinforcement.	Note			
	All concrete works shall be 1:2:4 (19mm) concrete unless otherwise specified and as per drawings and specifications. Metal to be used shall be granite comply to the specification	Note			
	Contractor shall not cause any damage direct or consequential to the new structure during carrying out the work detailed in "Concrete Work" Section and he shall at his own expense, make good any damage caused to them, arising directly and/or indirectly out of his fault and/or negligence and/or failure to take precautionary measures to avoid such damage.	Note			
	Rate for concreting columns, walls shall include for kickers and cover blocks.	Note			
	<b>Measurement of Slabs &amp; Walls</b>				
	Slab concrete include that part of beam to a depth of largest adjacent slab thickness.	Note			
	Concrete work related to Ramps has been measured separately and slopes have not been indicated. Slopes shall be as shown in the drawings.	Note			
	Contractor shall ensure that all contacting surfaces including reinforcement dowels left out for bonding purposes is free from any organic or artificial material which can be a hindrance to achieve specified properties in the Drawings and Specifications.	Note			
	Rates for lean concrete shall include for preparation of bottom of excavation prior to pouring of lean concrete.	Note			
	Contractor shall ensure that the top of the lean concrete layer shall be finished semi rough for waterproofing layer. Rate for lean concrete shall include for waterproofing layer unless measured separately.	Note			
	Rates for formwork shall include for control joints, isolation joints wherever specified and required according to the drawings and specifications.	Note			
	Rate for concrete shall include for construction- .-joint , isolation joint, expansion joint, with dowel bars, end cap and compressible filler with sealant on top as per drawing.	Note			
	Rates for concrete shall include all necessary tests by an Authority acceptable to the Engineer.	Note			
	Rates for concrete shall include all necessary equipments which are required for concreting.	Note			
	Unless otherwise stated all concrete shall be of grade as per Specifications	Note			

	Rates for concrete shall include for construction joints, expansion joints or contraction joints as necessary.	Note			
	Concrete shall be measured as the net area/volume, as shown on the drawings.	Note			
	Rate for concrete shall include for :	Note			
	1. Supply, handling at site, depositing, compacting, vibrating, curing and making good after removal of formwork.				
	2. Preparation of surfaces, roughening/chipping to the approval of the Engineer.				
	3. Providing water stops at temporary construction joints, if necessary.				
	4. Reinforcement and Formwork paid separately unless specified in the Item.				
	Rate for formwork shall include for all necessary boarding, supports, erecting, framing, cutting angles, cleaning, apply approved foam oil, wetting before placing concrete, removal etc.	Note			
	Formwork is measured as the net contact surface measurement between formwork and concrete.	Note			
	All reinforcement shall be as per relevant British Standards having minimum characteristic strength of 460 N/mm <sup>2</sup> for ribbed tor steel and 250 N/mm <sup>2</sup> for mild steel.	Note			
	Rate for reinforcement shall include for supplying, cleaning, cutting, bending, fabricating, binding, placing in position, binding wires, ties, supporting bars, spaces, chairs, wastage etc.	Note			
	<b>1 :3 :6 (25mm) Volumed Batched Concrete</b>				
2C.01	75mm thick Screed concrete under Wall & Column foundation.	m <sup>2</sup>	5.750		
2C.02	100mm thick Screed concrete under Wall & Column foundation.	m <sup>2</sup>	28.000		
	<b>1 :2 1/2 :5 (25mm) Volumed Batched Concrete</b>				
2C.03	75mm thick, <b>mass</b> concrete in floors and Steps in Building and Ramp	m <sup>2</sup>	40.000		
	<b>1 :2 :4 (20mm) Volumed Batched Concrete</b>				
2C.04	Reinforced concrete in Columns Foundation	m <sup>3</sup>	1.250		
2C.05	Reinforced concrete in Columns	m <sup>3</sup>	2.350		
2C.06	- do - Plinth Level Beams	m <sup>3</sup>	1.750		
2C.07	- do - Roof Level Beams	m <sup>3</sup>	1.500		
	<b>FORM WORK</b>				
	Formwork centering and moulds for concrete construction shall be of approved system to suit with the nature of this project and shall be erected true in line, levels and vertically for walls and columns and to the shapes and sizes required by the work, and shall be of suitable design and substantial and rigid construction so as to prevent deformation due to the placing and compacting of concrete and any incidental loading. All formwork and centering shall be so constructed that no grout shall leak out during concreting.	Note			

	Formwork and centering shall be provided with adequate struts, braces, walling, ties and clamps so as to maintain the dimensions lines and levels shown on the drawings during the entire operation of placing and compacting the concrete and to prevent any sagging exceeding 3mm under the weight of wet concrete with any other super imposed loads which they would be subjected to during construction.	Note			
	Formwork to column heads has been measured with slab and not enumerated separately.	Note			
	The contractor shall provide sufficient formwork and moulds to ensure adequate progress of work and the Engineer may direct the contractor to provide at contractor's expense such additional formwork and moulds as they may deem necessary if in his opinion the proper progress of the work is retarded by their absence.	Note			
	Rates shall include for all necessary boarding, supports, erecting, framing, cutting angles, striking or removal, cleaning, wetting etc.,	Note			
	Rates shall include for forming projections and chamfers.	Note			
	Formwork has been measured as the net contact surface measurement between concrete and formwork.	Note			
	Type of formwork shall be ply wood or steel with steel supporting system on concrete surfaces on removal of shuttering unless otherwise specified elsewhere. Rates for formwork shall include for all necessary measures to provide fine finish to the satisfaction of the Engineer.	Note			
	The bidder shall submit the detail of his proposal for formwork system along with the bid.	Note			
2C.08	Sides of Columns Footings	m <sup>2</sup>	8.000		
2C.09	Sides of Columns	m <sup>2</sup>	40.000		
2C.10	Sides of Plinth Level Beams	m <sup>2</sup>	12.000		
2C.11	Sides of Roof Level Beams	m <sup>2</sup>	10.000		
2C.12	Soffit of Roof Level Beams	m <sup>2</sup>	5.000		
	<b>REINFORCEMENTS</b>				
	The size of reinforcement bars comply BS 4449 described in the drawing or elsewhere shall be the minimum size and the rolling margin and any other tolerance shall be wholly above this size. Hooks and laps have been measured and included with the quantities for reinforcements.	Note			
	All reinforcement shall be free from mill scale, dirt, oil, paint, grease or loose rust before fixing in position and shall be brushed with a stiff wire brush if so directed by the Engineer.	Note			
	Reinforcement shall be bent cold by applying a slow even pressure on an approved type of bending apparatus.	Note			
	Re-bending of incorrectly bends bars shall not be attempted.	Note			

	Rates shall include for cutting, bending, fabricating, placing in position, holding and supporting including temporary fixing supports, hangers, binding wire spacers and waste.	Note			
	Rates shall include for working in difficult conditions.	Note			
	The bidder is advised to refer the diameters of reinforcement steel to be used for this project and to be aware of the availability of relevant diameters and to price the item in the trade accordingly.	Note			
	The actual weight of steel used at site will be calculated on the average weight of steel indicated in the mill certificate the same.	Note			
	<b>High yield Steel and Mild Steel bar comply BS 4449 reinforcement in the following;</b>				
2C.13	In Column Footing	kg	60.000		
2C.14	In Columns	kg	160.000		
2C.15	In Plinth Level Beams	kg	110.000		
2C.16	In Roof Level Beams	kg	100.000		
2C.17	Construction of reinforced concrete (20 N/mm <sup>2</sup> -20mm) lintel of size 125 mm x 150 mm. Rate to including for form work & reinforcement ( 2 Y12 bars & Stirrups) in Building.	Lm	25.000		
2C.18	Construction of reinforced concrete (20 N/mm <sup>2</sup> -20mm) sill of size 125 mm x 150mm. Rate to including for form work & reinforcement ( 2 Y10 bars & Stirrups) in Building.	Lm	7.200		
	<b>SUB TOTAL FOR CONCRETE WORK CARRIED TO SUMMARY</b>			<b>SLRs.</b>	
<b>2D</b>	<b><u>MASONRY WORK</u></b>				
	The bidders are requested to refer General Notes, Pricing Preambles, Drawings, Specifications, Conditions of Contract, Special Conditions of Contract and all other relevant documents prior to pricing of the following items.	Note			
	Rates shall include for preparation of surfaces of floor slab, columns (steel or RCC) and wall surfaces for proper bonding	Note			
	Rate to include cost for all concrete stiffener columns & stiffener beams as per specification	Note			
	Rate shall include to,	Note			
	1. All rough and fair cutting, plumbing angles, normal straight cutting, forming rebated reveals and raking out joints for plastering.				
	2. Forming rough and fair grooves, throats, mortises, chases, rebates and holes, stops and miters.				
	3. Supplying & Fixing				
	<b>Stone Work</b>				
	<b><u>Random Rubble Masonry Work</u></b>				
2D.01	Random Rubble( 150 mm-225 mm) Masonry work in 1:5 Cement sand mortar in Wall Foundation of Building and in Disable Ramp.	m <sup>3</sup>	15.000		
	<b>Block Work</b>				
	All cement and sand concrete blocks shall comply with BS 6073.	Note			



	Characteristic strength of block work shall be 2.5 N/mm <sup>2</sup>	Note			
	Mortar used for block work/ brick work shall be 1:5 cement and sand mixture unless otherwise specified.	Note			
	<b>125mm Concrete Block Work</b>				
2D.02	125mm thick 1:4:5 (20mm) Concrete block work in 1:5 cement sand mortar for walls in Building.	m <sup>2</sup>	58.000		
	<b>SUB TOTAL FOR MASONRY WORK CARRIED TO SUMMARY</b>			<b>SLRs.</b>	
<b>2E</b>	<b><u>WATER PROOFING</u></b>				
	The bidders are requested to refer General Notes, Pricing Preambles, Drawings, Specifications, Conditions of Contract, Special Conditions of Contract and all other relevant documents prior to pricing of the following items.	Note			
	Waterproofing work to be carried out by a specialist waterproofing sub contractor. The contractor shall submit a 10 year guarantee for material and workmanship in the name of the Owner for waterproofing system in an internationally accepted format.	Note			
	The bidder shall submit the most suitable water proofing system as specified to suit for different surfaces at location technically acceptable to the Engineer.	Note			
	<b>Damp Proofing</b>				
2E.01	Damp proof membrane to horizontal surfaces of floors out of 1000 gauge polythene.	m <sup>2</sup>	40.000		
2E.02	20mm thick 1:2 cement : sand DPC and finished with two coats of hot tar blinded with coarse sand.	m <sup>2</sup>	13.000		
	<b>SUB TOTAL FOR WATER PROOFING CARRIED TO SUMMARY</b>			<b>SLRs.</b>	
<b>2F</b>	<b><u>METAL WORKS</u></b>				
	Rate for handrail / guardrail shall include for necessary welding, cutting, embedding, anchoring etc., as per detail drawings.	Note			
	<b>Roller Door</b>				
2F.01	Door type RD1, RD2 0.6mm thick Zinc Alum Roller door fixed to columns and beams/ walls with rolling arrangement and locking arrangement ( measurement will be taken open area only)	m <sup>2</sup>	12.250		
	<b>SUB TOTAL FOR METAL WORKS CARRIED TO SUMMARY</b>			<b>SLRs.</b>	
<b>2G</b>	<b><u>TIMBER WORK</u></b>				
	Timber shall be of approved quality, Frame shall be of Palai/Palu or Red Balau or Equivalent approved by the Engineer and Sashes Palai/Palu, Satin or Teak or Equivalent approved by the Engineer.	Note			
	All doors shall have stainless steel hinges unless specified, locks shall be Mortise cylinder locks with duplicate Keys.	Note			

	All Windows shall have stainless steel hinges unless specified,	Note			
	All Doors and Windows shall have necessary barrel bolts, Castement Stays, Draw rings etc.	Note			
	Rate to include for two coats of Varnish painting after preparation of surface.	Note			
	The Contractor shall submit detailed shop drawings for the approval of the Engineer, 14 days prior to fabrication.	Note			
	All cutting, notching, drilling, sinking, trimming, framing jointing, splayed edges and the like including fixing in position complete with all nails, spikes, screws and priming to joints and ends.	Note			
	No application of any description shall be made on any timber unless and until the timber is approved by the Engineer.	Note			
	All exposed faces of timber are to be wrot. The sizes given below are nominal without allowance for planning except where described as finished sizes.	Note			
	Rates shall include for:	Note			
	All labour in framing, jointing and fixing in position complete with all nails, spikes, screws etc.				
	All doors, windows and fanlight shall be fixed complete as per detail drawings.				
	All door frames shall be fixed with spur stone at the foot.				
	All door and window frames shall be fixed to brick walls with M.S. hold fasts.				
	All necessary brass oxidised mongery.				
	<b>Joinery</b>				
	<b>Doors</b>				
2G.01	Supply and Fixing Type D2, Double sash Swing Door in approved Timber, 900mm x 2100mm in over all size comprising of door frame of 100mm x 75mm once rebated Jambs and Head, panelled door sash fixed to the frame using approved quality butt hinges including all iron mongery. Rate to include for One Primer Coat and Two Coats of Varnish including preparation of surface.	m2	1.900		
2G.02	Supply and Fixing Type W 1800 mm x 1950 mm Window in approved Timber in over all size with Louver panels on top comprising of window frame of 100mm x 75mm once rebated Jambs and Head with Glazed sashes fixed to frame using approved quality butt hinges including all iron mongery. Rate to include for One Primer Coat and Two Coats of Varnish including preparation of surface and 16mm MS bar in 125mm C/c Space with two coat of anti corrosive.	m2	3.600		
	<b>SUB TOTAL FOR TIMBER WORK CARRIED TO SUMMARY</b>			<b>SLRs.</b>	

<b>2H</b>	<b><u>CEILING WORK</u></b>				
	<b>Cement Fibre Ceiling</b>				
2H.01	Supplying and installation of 4.5mm thick Cement Fibre ceiling Including eaves fixed with necessary timber frame work (50mm x 100mm joists and 50mm x 50mm bearers at 600mm c/c) of approved quality fixed with 40mm x 12mm timber beedings of 40mm x 40mm timber cove mouldings of approved quality with necessary screws and nail. Rate shall include for applying two coats of wood preservative to Timber frame work and One primer coat two coats of Fungus Resistant emulsion paint to ceiling and two coats of enamel paint to beedings mouldings.	m <sup>2</sup>	85.000		
	<b>SUB TOTAL FOR CEILING WORK CARRIED TO SUMMARY</b>			<b>SLRs.</b>	
<b>2J</b>	<b><u>ROOFER AND ROOF PLUMBING</u></b>				
	<b>Roof Covering</b>				
	<b>Tile Roofing</b>				
2J.01	Supplying and placing of Calicut pattern Tile roofing laid on timber roof frame work consists of 50×100mm rafters at 450mm spacing ,50 x25mm reepers at 300mm spacing and at both eaves side spacing interval is 150mm shown in drawing,50×175 ridge plates, 50 x 175 Hip Rafters , 50 x 175 Valley Rafters, 100mm x 100mm Centre posts, 100mm x200mm & 75x150mm horizontal Beams and 100x75mm wall plate as shown in drawing . Timber shall be imported Hard wood, Red/ Yellow balaw or equivalent approved by the Engineer and treated well with two coats of approved quality wood preservatives. Rate shall include for necessary screws, nails and fittings.	m <sup>2</sup>	98.000		
2J.02	Supplying and fixing of Calicut pattern Ridge tiles jointed and bedded in 1:1:4 cement lime and sand mortar coloured to match tiles.	m	30.000		
2J.03	Supplying and fixing 150x100mm size special upper class timber beam, post as directed by Engineer	Lm	8.500		
2J.04	Supplying and fixing of 20mm thick, 225mm timber valance & Barge Fascia board using brass screws and complete with painting	m	38.000		
	<b>Roof Plumbing</b>				
2J.05	Supplying and fixing 0.47 mm thick Zinc aluminium alloy coated colour bonded type D of metroof/similar eave gutters of size 130 x 160mm of approved pattern and colour including end caps, running joints with including all necessary fittings.	m	38.000		
2J.06	Supplying and fixing 0.47 mm thick Zinc aluminium alloy coated colour bonded down pipes of size 100mm x 100mm of approved pattern and colour with brackets and brass screws with wooden plugs including all necessary molded fittings	m	24.000		
	<b>SUB TOTAL FOR ROOFER AND ROOF PLUMBING CARRIED TO SUMMARY</b>			<b>SLRs.</b>	

<b>2K</b>	<b><u>FLOOR, WALL &amp; CEILING FINISHES</u></b>				
	The Bidders are requested to refer the General Notes, Pricing Preambles, Drawings, Specifications, Conditions of Contract, Special Conditions of Contract and all other relevant documents prior to pricing of the following items.	Note			
	1. Rates shall include for preparation of surfaces for proper bonding.				
	2. Rate shall include for measures to provide suitable bonding between different surfaces such as concrete and brick/block surfaces as per specification. Rates shall also include for all tile specials such as corners, edges etc.,				
	3. Rates shall include for cutting tiles as necessary.				
	4. Rate for tiling shall include for providing acceptable adhesive and/or suitable cement in an approved quality which has no effect to the properties of tiles.				
	5. Rates for floor finishes shall include for temporary rules, screeds, ground etc., all normal cutting arises, rounded angles and the like, bedding, pointing, forming joints making good between different surfaces, around pipes, sanitary fittings and other fixtures and cleaning down upon completion.				
	All floor and wall tiles shall be of approved quality ( Lanka Tiles/ Rocell Brands) and colour. Tile samples shall be provided for approval by the Engineer/Architect prior to purchase of materials.	Note			
	Rates for plaster work shall include for reinforcing joints between different types of construction material (e.g. block work/ brickwork and concrete work) with 150mm wide galvanized steel mesh as directed by the Engineer. <b>Rate shall include for Reveals.</b>	Note			
	Rates for soffit finishes shall include for preparation of surfaces, cleaning down, smoothing, knotting, stopping, etc., protection of floors and fittings, removing and replacing door and window fittings, if required, and cleaning upon completion.	Note			
	<b><u>Floor Finishes</u></b>				
	<b><u>Rendering</u></b>				
2K.01	25mm thick, 1:2 cement sand, cut and polished coloured rendering	m <sup>2</sup>	48.000		
	<b><u>Wall Finishes</u></b>				
	<b><u>External Faces- Plastering</u></b>				
2K.02	15mm thick 1:4 cement sand plaster finished smooth with approved coloured cement floating to plinths.	m <sup>2</sup>	12.000		
2K.03	15mm thick 1:4 cement sand plaster finished semi rough with to walls, Columns and Sides of Beams & Lintols in Building	m <sup>2</sup>	75.000		

	<b><u>Internal Work- Plastering</u></b>				
2K.04	15mm thick 1:3 cement sand plaster finished smooth to internal faces of walls, Columns and sides of Beams,tanks & Lintel	m <sup>2</sup>	70.000		
2K.05	15mm thick 1:3 cement sand plaster finished smooth to soffit of Beams	m <sup>2</sup>	8.000		
	<b>SUB TOTAL FOR FLOOR, WALL &amp; CEILING FINISHES CARRIED TO SUMMARY</b>			<b>SLRs.</b>	
<b>2L</b>	<b><u>PAINTER &amp; DECORATOR</u></b>				
	Rate shall include for preparation of surfaces, cleaning down, smoothing, knotting, stopping, patching up cracks, etc., protection of floors and fittings, removing and replacing door and window fittings, if required, and cleaning upon completion.	Note			
	All emulsion/ enamel/ weathershield paint shall be of approved make CIC or equivalent approved by Engineer	Note			
	Rate to include for the cost for the scaffoldings.	Note			
	<b><u>External Faces</u></b>				
2L.01	Prepare & apply one alkaline resisting primer coat and two coats of weather shield emulsion of approved colour and quality to semi-rough rendered surfaces of walls, Columns and Sides of Lintols. (Rate shall include for reveals)	m <sup>2</sup>	75.000		
	<b><u>Internal Faces- Walls</u></b>				
2L.02	Prepare and apply one primer coat and two coats of Fungus Resistant emulsion of approved colour and quality to smooth plastered surfaces to internal faces of walls,Columns, sides of Lintel and column faces. (Rate shall include for reveals)	m <sup>2</sup>	78.000		
2L.03	Prepare and apply one primer coat and two coats of Fungus Resistant emulsion of approved colour and quality to smooth plastered surfaces to soffit of internal faces of beams. (Rate shall include for reveals)	m <sup>2</sup>	3.000		
	<b>SUB TOTAL FOR PAINTER &amp; DECORATOR CARRIED TO SUMMARY</b>			<b>SLRs.</b>	
<b>2N</b>	<b><u>ELECTRICAL INSTALLATION</u></b>				
	Rates in Bill of Quantities shall include all necessary materials (Cables, conduits, PVC sunk box, bulbs, switches etc.) and labour required to complete the electrical installation to good working order.	Note			
	Testing and commissioning of all the systems & electrical installation is to be carried out and inspection report ( 02 sets) submitted according to the requirements of the power supply by a Chartered Electrical Engineer.Rate shall be include for Testing,commissionung and report submission.	Note			

	Rate Shall include for submission of shop drawings and submission of draft layouts, conduit layouts etc.for Consultant's approval before commencing the installation (03 sets)with Designing of Distribution board, Consumer unit and line diagram designing by a Chartered Electrical Engineer.	Note			
	Rate Shall include for submission of As-built drawings on completion of the contract (03 sets)	Note			
	Electrical Items (MCB,RCCB etc.) should be of European/Japanese origin or to the BS or equivalent and items without an accredited agent in Sri Lanka shall not be accepted. Guarantee cards(Fans etc.) should be provided from accredited agent before installation.	Note			
	All the quantities given here are approximated values and Quantities may change with the actual installation at the site.	Note			
	All types of fittings, materials, painting and finishes shall be approved by the Engineer prior to installation.	Note			
	All panel boards and consumer units should have wire numbering and a laminated circuit diagram should be pasted on the inside surface of the door.	Note			
	Electrical Coduits, which are laid along Earth should be securely protected by PVC conduits. Earth shall be backfilled properly.	Note			
	Electrical Coduits, which are laid along internal Roads should be securely protected by PVC conduits. Cut road shall be filled with mass concrete and making good to roads.	Note			
	<b>Single phase Consumer units</b>				
2N.01	Supply and installation of wall mounted switch gear cubicle made out of polycarbonate enclosure to the approval of the engineer. Additional space to be provided inside the distribution board enclosure to install two additional breakers (of capacity with existing max. outgoing breaker) if necessary.	Nr	1.000		
	01 No. 40A, 2-pole MCB 6kA				
	01 Nos. 40A 2-pole RCCB, 30mA sensitivity				
	7 - 9 No. 6-32A, 1-pole MCB 6kA				
	Earth Bar				
	All internal connections.				
	Equipment to be to the BS and European/Japanese make				
2N.02	Supply and Installation of service bracket 5'-0" long 2 1/2" x 2 1/2" x 1/4" angle iron.	Nr	1.000		
2N.03	<b>Provisional Sum</b> for obtaining main power supply connection from the Ceylon Electricity Board, including all the correspondence and co-ordination work, builders work. Etc.			<b>Pro. Sum</b>	<b>20,000.00</b>
	<b>Cables</b>				
2N.04	Allow Provisional Sum for Suppling and Installation of Main Cables from Energy Meter to MDB and MDB to Cosumer Units			<b>Prov. Sum</b>	<b>30,000.00</b>

	<b><u>Fans</u></b>				
2N.05	Supply & installation of 1400mm sweep ceiling fan (European/Japanese make), complete with regulator, fan hook, extension rod & attachment - Guarantee cards should be provided from accredited agent. Rate to include for wiring (including supply of all material, earth wire & switch) of the above ceiling fans using approved type 1 mm2, Cu/PVC/PVC cable & 2.5 mm2 earth wire drawn through securely fixed concealed PVC conduits	Nr	2.000		
	<b><u>Socket Outlets</u></b>				
2N.06	Supply & installation of 13A shuttered switched single socket outlet to comply with BS 1363 . Rate to include for Wiring (including supply of all material required ) of 15A socket outlets using approved type 2.5mm2 Cu/PVC/PVC, 2C cable & 2.5mm2 earth cable drawn through securely fixed concealed PVC conduit	Nr	4.000		
2N.07	Supply & installation of 5A shuttered switched socket outlet to comply with BS 1363.Rate to include for Wring (including supply of 2.5 mm2 earth wire & all other material required ) of above socket outlet using approved type 1.0mm2 Cu/PVC/PVC cable drawn through securely fixed concealed PVC conduits	Nr	4.000		
	<b><u>Light Fitting</u></b>				
	Samples should be provided prior to the installtion for electrical engineer's approval. Guarantee cards should be provided for CFL bulbs.	Note			
2N.08	Supply and installation of Ceiling Mounted Type Lamp Fittings. Rate to include the cost of 23W CFL Spiral bulbs (warm white) lamp.Rate to include for Wiring (including supply of all materials) of the above light points using approved type PVC insulated PVC sheathed 1 mm2 copper cable and 1mm2 Cu/PVC earth drawn through securely fixed concealed PVC conduit	Nr	5.000		
2N.09	Supply and installation of Wall Mounted/ Bracket water tight external Lamp Fittings. Rate to include the cost of 23W approved type bulbs. Rate to include for Wiring (including supply of all materials) of the above light points using approved type PVC insulated PVC sheathed 1 mm2 copper cable and 1mm2 Cu/PVC earth drawn through securely fixed concealed PVC conduit	Nr	2.000		
	<b><u>Main Earthing System</u></b>				
	Supply and Installation of all required materials and cables and connection to respective equipment to provide complete system.	Note			

2N.10	Supply and Installation of an earth electrode of minimum 16mm dia. solid copper rod of length 1.2m or more with a clamp connection to earth conductor. Earth resistance shall be less than 10 Ohms tested on a dry day. An earth pit of size 300mm x 300mm x 200mm is to be prepared and covered by concrete plate to protect the earth electrode.	Nr	1.000		
	<b>SUB TOTAL FOR ELECTRICAL INSTALLATION CARRIED TO SUMMARY (Without Pro Sum)</b>			<b>SLRs.</b>	

SUMMARY		
ITEM NO	DESCRIPTION	AMOUNT (SLRs.)
2B	EXCAVATION & EARTH WORK	
2C	CONCRETE WORK	
2D	MASONRY WORK	
2E	WATER PROOFING	
2F	METAL WORKS	
2G	TIMBER WORK	
2H	CEILING WORK	
2J	ROOFER AND ROOF PLUMBING	
2K	FLOOR, WALL & CEILING FINISHES	
2L	PAINTER & DECORATOR	
2N	ELECTRICAL INSTALLATION	
	<b>SUB TOTAL FOR CONSTRUCTION OF BUILDING CARRIED TO GRAND SUMMARY</b>	



CONSTRUCTION OF 2 MILK COLLECTION CENTERS AT SAMPOOR AND PATTALIPURAM					
PRICED BILLS OF QUANTITIES					
BILL NO. 03- CONSTRUCTION OF TOILET WITH WATER TANK AT SAMPOOR					
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b>3B</b>	<b>EXCAVATION &amp; EARTH WORK</b>				
	<b>Site Preparation</b>				
3B.01	Clearing site vegetation including compacting and disposal of all surplus excavated material away from the site as directed. (contractor shall visit the site & assert the actual work involve)	Item	1.00		
	<b>Excavation</b>				
3B.02	Excavation in ordinary soil for column and wall foundation footing not exceeding 1500mm deep from existing ground level except rock requiring blasting. Rate shall include for compacting the bottom of excavation, part return fill to excavation and rammed, surplus disposed off site as directed.	m3	0.85		
	<b>Filling</b>				
3B.03	Approved imported hard earth (Gravel) filling including levelling, watering and compacting in 150mm layers between foundation of walls upto DPC level with 98% compaction. (Measured compacted volume)	m3	0.12		
3B.04	Approved imported hard earth (Gravel) filling including levelling, watering and compacting in 150mm layers around the building with 98% compaction. (Measured compacted volume)	m3	0.18		
3B.05	Approved available hard earth filling including levelling, watering and compacting in 150mm layers between foundation of walls upto DPC level with 98% compaction. (Measured compacted volume)	m3	1.00		
	<b>TOTAL FOR EXCAVATION &amp; EARTH WORK</b>			<b>SLRs</b>	
<b>3C</b>	<b>CONCRETE WORK</b>				
	<b>Concrete</b>				
3C.01	75mm thick 1:3:6 (25) Lean concrete below wall foundation	m3	0.14		
3C.02	75mm thick 1:2 1/2:5 (25mm) floor concrete	m2	0.54		
3C.03	For 125mm thick slab	m3	0.47		
3C.04	100mm x 150mm lintel with 4Nos T12mm at bottom with R6 @ 150mm centres as per the drawing. Rate shall include for necessary form work.	L.m	4.20		
	<b>Formwork</b>				
3C.05	For slab	m2	4.21		
	<b>Reinforcements</b>				
3C.06	Tor Steel ( T10mm)	kg	27.89		
3C.07	50x50mm 12gauge GI welded mesh on top side of slab	m2	3.04		
	<b>TOTAL FOR CONCRETE WORK</b>			<b>SLRs</b>	
<b>3D</b>	<b>MASONRY WORK</b>				
	<b>Block Work</b>				

3D.01	100mm thick 1:6 cement sand solid block masonry wall in 1:5 cement sand mortar.	m2	8.97		
	<b>Rubble Work</b>				
3D.02	Random rubble masonry in cement and sand 1:5 mix for wall foundation. Rubble shall be granite stone	m3	1.19		
	<b>TOTAL FOR MASONRY WORK</b>			<b>SLRs</b>	
<b>3E</b>	<b>ASPHALT WORK</b>				
3E.01	1000 gauge polythene sheet as horizontal damp proof membrane under ground floor slab.	m2	2.97		
3E.02	Damp proof course 20mm thick in cement and sand 1:2 finished with the application of two coats of hot tar blinded with sand.	m2	1.26		
	<b>TOTAL FOR ASPHALT WORK</b>			<b>SLRs</b>	
<b>3F</b>	<b>TIMBER &amp; METAL WORK</b>				
3F.01	Door type D fully paneled timber door 28mm thick sash fixed on 70x95 mm timber frame firmly fixed to walls using 2 nos of steel holdfasts on either side. Complete with 3 nos of 100x75 brass oxidesed hinges, 2 nos of 100mm long barrel bolts and lock. Rate shall include two coats of wood preservative of approved quality and two coats of enamel paint. all the timber shall be in Class 1.	m2	1.62		
	<b>TOTAL FOR TIMBER &amp; METAL WORK</b>			<b>SLRs</b>	
<b>3G</b>	<b>FLOOR, WALL &amp; CEILING FINISHES</b>				
3G.01	1:3 Cement and sand rendering 20mm thick to plinth finished smooth with coloured cement floating.	m2	2.97		
	<b>Internal Plaster</b>				
3G.02	15mm thick 1:4 plaster smooth finished with acrylic wall filler	m2	6.44		
3G.03	20mm thick cement and sand 1:3 coloured rendering with cement floating	m2	2.09		
	<b>External Plaster</b>				
3G.04	15mm thick plaster 1:4 cement and sand finished semi rough to the walls	m2	7.61		
3G.05	12mm thick plaster 1:4 cement and sand finished for slab	m2	7.91		
	<b>TOTAL FOR FLOOR, WALL &amp; CEILING FINISHES</b>			<b>SLRs</b>	
<b>3H</b>	<b>PAINTING &amp; DECORATION</b>				
3H.01	Prepare plaster surfaces of wall and apply two coats of White washing	m2	21.96		
	<b>TOTAL FOR PAINTING &amp; DECORATION</b>			<b>SLRs</b>	
<b>3I</b>	<b>PLUMBING &amp; DRAINAGE WORK</b>				
	<b>Supply and Install Sanitary fittings and Toilets Accessories</b>				
3J01	Supply and fixing ceramic Squatting pan pedestal type with "P" or "S" trap all in working order	Nos	1.00		
	<b>Water Distribution System</b>				

3J.02	Supply and lay/Fix 20 mm dia Type 1000 PVC Pipe with specials	L.m	58.00		
3J.03	Supply and lay/Fix 25 mm dia Type 1000 PVC Pipe with specials	L.m	19.00		
3J.04	Supply and lay/Fix 32 mm dia Type 1000 PVC Pipe with specials	L.m	40.00		
3J.05	Supply and fix 32 mm dia Ball Valve	No	3.00		
3J.06	Supply and fix 20 mm dia Ball Valve	No	4.00		
3J.07	Bib tap 1/2" water tec / Plastic	No	1.00		
	<b>Sewer pipes</b>				
3J.08	110mm dia sewer pipe	L.m	2.44		
	<b>Sewer Manhole</b>				
3J.09	Construction of 1200mm dia 2400mm depth soakage pit as per drawing.	Nos	1.00		
3J.10	Supply and place 500 litres PVC water tank approved quality and 4 feet height GI stand as per the drawing on top of the toilet slab and firmly fixed to the slab using 10mm dia nylon rope or equivalent with all necessary sockets and unions.	Nos	1.00		
3J.11	Drilling 200mm dia bore well untill 6m length end casing with type 600, 150mm dia uPVC pipe and drilling 125mm dia extend upto reaches enough water and supply end casing 100m dia uPVC	Lm	20.00		
3J.12	Supplying & fixing electric water pump with motor (Jinasena centric pump) 1"×1" single phase model (No:M 140/1) in 1.5 HP or equivalent approved quality on cement concrete bed 2'×11/2'×1/2' in 1:2:4 (3/4") mix with 04 Nos 3/8"×6" rag bolts & nuts, rendered in cement mortar 1:2, including getting connection from water source, necessary suction pipes, foot valve & starter switch, electrical installation from main line to pump house, main switch with pilot lamp all complete to working order.	Nos	1.00		
	<b>TOTAL FOR PLUMBING AND DRAINAGE</b>			<b>SLRs</b>	
	<b>GRAND TOTAL</b>			<b>SLRs</b>	

CONSTRUCTION OF 2 MILK COLLECTION CENTERS AT SAMPOOR AND PATTALIPURAM					
PRICED BILLS OF QUANTITIES					
BILL NO. 04 - EXTERNAL SERVICES AT SAMPOOR					
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
4B	<b>Steel Gate</b>				
4B.01	Supplying, fabricating and fixing of <b>Gates</b> of sized 4000mm (wide) x 1650mm ( height) with made out of heavy duty 75x50mm Hollow GI Box section and 25mm diameter G.I pipes as shown in Drawings. . Rate to include for 2 Nos 300 x 300mm RCC pillars for 2.0 m height in 1:2:4 (3/4") concrete 4Y12 reinforced and R6 at 150mm crs stirrups rate include for Excavation base concrete footing R/F with Y10 @ 200mm c/c both way and 16mm thick 1:4 plastering, 3 Nos pintol and stirrups locking device barrel bolt etc. and 2 coats of anticorrosive paint and 2 coats of enamel paint and 2 coats of painting to pillars as directed.	nr	1.00		
4C	<b>Chainlink Mesh Fence</b>				
4C.01	Supplying and fixing of 1.80 m high (above Ground) gauge 10 PVC coated chainlink mesh on the fence posts. Rate to include for 3 Nos, top.middle and bottom line wires, stretcher bars and bolting bracket arrangement with cleats, washers etcf including Casting, transport & erection of intermediate (at 2.4 m intervals) , corner, end and strainer RCC fence posts ( 2.25 m, 100mm x 100mm at top & 150mm x 150mm at bottom ,Reinforced with 4 no R6 Mild steel with High tensile wire stirrups spaced at 225mm . Rate to include for excavation of pits and erection of fence posts along boundary line with lower end burried in ground and surround with 1:3:6 (25mm) concrete for the 450 x 450 x 450 mm .	m	10.00		
4D	<b>Barbed wire Fence</b>				
4D.01	Fence PVC coated barbed wire, 5 strands 12 1/2 B.W.G with 4 points at 75mm centres & R.C.C posts casted in 1:2:4(20) metal reinforced with 4 Nos. 1/4 rods with 14 B.W.G stirrups at 150mm centres post to be fixed at 2500mm crs. including excavation, cement concrete foundation 1:3:6(38) metal to corner posts & struts Rate shall include for corener posts, end posts, struts and straining bolts, all as directed struts to be reinforced with 4 Nos. 3/8" rods and corner posts with 4 Nos. 1/2" rods.	Lm	30.00		
	<b>SUB TOTAL FOR EXTERNAL WORKS CARRIED TO GRAND SUMMARY</b>			<b>SLRs</b>	

CONSTRUCTION OF 2 MILK COLLECTION CENTERS AT SAMPOOR AND PATTALIPURAM					
PRICED BILLS OF QUANTITIES					
BILL NO. 05- CONSTRUCTION OF MILK COLLECTION CENTER AT PATTALIPURAM					
ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
5B	<b>EXCAVATION &amp; EARTH WORK</b>				
	The Bidders are requested to refer the General Notes, Pricing Preambles, Drawings, Specifications, Conditions of Contract, Special Conditions of Contract and all other relevant documents prior to pricing of the following items.	Note			
	Rates shall include for any working space as required by the contractor.	Note			
	Dewatering has not been measured separately. (Rate shall include for cost of dewatering if necessary)	Note			
	The bidder shall submit the following information together with their quote.	Note			
	(a) Method of excavation.				
	(b) Equipment with details of capacities proposed for excavation and removal of earth.				
	(c) Method of dewatering				
	(d) Details of temporary work				
	(e) Method of earth work support.				
	The bidder is requested to check ground water level and soil investigation report, limitation of transport, limitation of site, conditions of the existing road for possibility of transportation of heavy equipment etc., prior to pricing this section of work.	Note			
	The contractor shall arrange and obtain necessary permission from authorities for disposal and dumping of earth.	Note			
	Rates shall include for removal and disposal of any obstructions, such as artificial structure and rock boulders etc., during excavation if encountered.	Note			
	<b>Earthwork Support</b>				
	Rate to include the cost of Earth work supporting system to be carried out only on the instruction of the engineer depending on the nature of the soil.	Note			
	The contractor shall design and carry out the most suitable earthwork support system capable of achieving the specified technical requirement and in consideration of ground water level, soil condition, other buildings and structures situated close to the site. The Tenderer shall submit his proposal in detail with necessary calculations, method, type of equipment/plant, propose to use and shop drawings etc., along with the bid for the approval of the Engineer.	Note			
	Rates for excavation shall include for :	Note			
	All necessary shoring, strutting, etc. and removal after completion of work.				
	Stabilisation of excavated surfaces, if required.				
	All working space required, including for planking, strutting, formwork etc.				

	Bulking after excavation and disposal of excavated material as directed.				
	Backfilling with approved material to required levels and surfaces, consolidating and ramming by an approved method for over excavation.				
	Dewatering, if required.				
	Measurement for payment for excavation shall be for the net contact volumes upto the concrete surface.				
	<b>Site Preparation</b>				
5B.01	Clearing site vegetation including compacting and disposal of all surplus excavated material away from the site as directed. (contractor shall visit the site & assert the actual work involve)	Item	Allow		
5B.02	Excavating to reduce level average depth of 150mm	m <sup>2</sup>	46.00		
5B.03	Excavation for Wall and Column foundations in Hard rock requiring blasting, depth not exceeding 1500mm from the existing Ground level.	m <sup>3</sup>	8.50		
5B.04	Approved imported hard earth (Gravel) filling including levelling, watering and compacting in 150mm layers between foundation of walls upto DPC level with 98% compaction. (Measured compacted volume)	m <sup>3</sup>	10.00		
5B.05	Approved imported hard earth (Gravel) filling including levelling, watering and compacting in 150mm layers around the building with 98% compaction. (Measured compacted volume)	m <sup>3</sup>	5.00		
5B.06	Approved available hard earth filling including levelling, watering and compacting in 150mm layers between foundation of walls upto DPC level with 98% compaction. (Measured compacted volume)	m <sup>3</sup>	3.00		
5B.07	Anti - termite treatment which shall cover excavated trenches, pits, etc. and the ground covered by floor slabs, foundation & walls and 2m beyond the building perimeter. Work shall be carried out by a reputed Pest control Company approved by the Engineer. Particulars of chemicals used and their concentration shall be forwarded to the Engineer for approval. The Contractor shall furnish a joint guarantee binding Specialist Sub-contractor and the Contractor as to the effectiveness of the Anti-termite treatment for a minimum period of 10 years after completion and cost shall include for precautionary measures against chemicals being infiltrated into outside area. Area Measured shall be Plinth area of the Building.	m <sup>2</sup>	17.00		
	<b>Disposal</b>				
	All excavated earth shall be a property of the Client and Contractor has to dispose within 2.0 km from the site as directed by Client.	Note			
	<b>SUB TOTAL FOR EXCAVATION AND EARTH WORK CARRIED TO SUMMARY</b>			<b>SLRs.</b>	

5C	<b>CONCRETE WORK</b>				
	The bidders are requested to refer General Notes, Pricing Preambles, Drawings, Specifications, Conditions of Contract, Special Conditions of Contract and all other relevant documents prior to pricing of the following items.	Note			
	All Concrete Works shall comply to the specifications, filled into formwork and well packed around reinforcement.	Note			
	All concrete works shall be 1:2:4 (19mm) concrete unless otherwise specified and as per drawings and specifications. Metal to be used shall be granite comply to the specification	Note			
	Contractor shall not cause any damage direct or consequential to the new structure during carrying out the work detailed in "Concrete Work" Section and he shall at his own expense, make good any damage caused to them, arising directly and/or indirectly out of his fault and/or negligence and/or failure to take precautionary measures to avoid such damage.	Note			
	Rate for concreting columns, walls shall include for kickers and cover blocks.	Note			
	<b>Measurement of Slabs &amp; Walls</b>				
	Slab concrete include that part of beam to a depth of largest adjacent slab thickness.	Note			
	Concrete work related to Ramps has been measured separately and slopes have not been indicated. Slopes shall be as shown in the drawings.	Note			
	Contractor shall ensure that all contacting surfaces including reinforcement dowels left out for bonding purposes is free from any organic or artificial material which can be a hindrance to achieve specified properties in the Drawings and Specifications.	Note			
	Rates for lean concrete shall include for preparation of bottom of excavation prior to pouring of lean concrete.	Note			
	Contractor shall ensure that the top of the lean concrete layer shall be finished semi rough for waterproofing layer. Rate for lean concrete shall include for waterproofing layer unless measured separately.	Note			
	Rates for formwork shall include for control joints, isolation joints wherever specified and required according to the drawings and specifications.	Note			
	Rate for concrete shall include for construction- .-joint , isolation joint, expansion joint, with dowel bars, end cap and compressible filler with sealant on top as per drawing.	Note			
	Rates for concrete shall include all necessary tests by an Authority acceptable to the Engineer.	Note			
	Rates for concrete shall include all necessary equipments which are required for concreting.	Note			
	Unless otherwise stated all concrete shall be of grade as per Specifications	Note			
	Rates for concrete shall include for construction joints, expansion joints or contraction joints as necessary.	Note			

	Concrete shall be measured as the net area/volume, as shown on the drawings.	Note			
	Rate for concrete shall include for :	Note			
	1. Supply, handling at site, depositing, compacting, vibrating, curing and making good after removal of formwork.				
	2. Preparation of surfaces, roughening/chipping to the approval of the Engineer.				
	3. Providing water stops at temporary construction joints, if necessary.				
	4. Reinforcement and Formwork paid separately unless specified in the Item.				
	Rate for formwork shall include for all necessary boarding, supports, erecting, framing, cutting angles, cleaning, apply approved foam oil, wetting before placing concrete, removal etc.	Note			
	Formwork is measured as the net contact surface measurement between formwork and concrete.	Note			
	All reinforcement shall be as per relevant British Standards having minimum characteristic strength of 460 N/mm <sup>2</sup> for ribbed tor steel and 250 N/mm <sup>2</sup> for mild steel.	Note			
	Rate for reinforcement shall include for supplying, cleaning, cutting, bending, fabricating, binding, placing in position, binding wires, ties, supporting bars, spaces, chairs, wastage etc.	Note			
	<b>1 :3 :6 (25mm) Volumed Batched Concrete</b>				
5C.01	75mm thick Screed concrete under Wall & Column foundation.	m <sup>2</sup>	2.25		
5C.02	100mm thick Screed concrete under Wall & Column foundation.	m <sup>2</sup>	10.00		
	<b>1 :2 1/2 :5 (25mm) Volumed Batched Concrete</b>				
C.02	75mm thick, <b>mass</b> concrete in floors and Steps in Building and Ramp	m <sup>2</sup>	11.50		
	<b>1 :2 :4 (20mm) Volumed Batched Concrete</b>				
C.03	Reinforced concrete in Columns Foundation	m <sup>3</sup>	0.60		
C.04	Reinforced concrete in Columns	m <sup>3</sup>	1.00		
C.05	- do - Plinth Level Beams	m <sup>3</sup>	1.30		
C.06	- do - Roof Level Beams	m <sup>3</sup>	0.50		
	<b>FORM WORK</b>				
	Formwork centering and moulds for concrete construction shall be of approved system to suit with the nature of this project and shall be erected true in line, levels and vertically for walls and columns and to the shapes and sizes required by the work, and shall be of suitable design and substantial and rigid construction so as to prevent deformation due to the placing and compacting of concrete and any incidental loading. All formwork and centering shall be so constructed that no grout shall leak out during concreting.	Note			



	Formwork and centering shall be provided with adequate struts, braces, walling, ties and clamps so as to maintain the dimensions lines and levels shown on the drawings during the entire operation of placing and compacting the concrete and to prevent any sagging exceeding 3mm under the weight of wet concrete with any other super imposed loads which they would be subjected to during construction.	Note			
	Formwork to column heads has been measured with slab and not enumerated separately.	Note			
	The contractor shall provide sufficient formwork and moulds to ensure adequate progress of work and the Engineer may direct the contractor to provide at contractor's expense such additional formwork and moulds as they may deem necessary if in his opinion the proper progress of the work is retarded by their absence.	Note			
	Rates shall include for all necessary boarding, supports, erecting, framing, cutting angles, striking or removal, cleaning, wetting etc.,	Note			
	Rates shall include for forming projections and chamfers.	Note			
	Formwork has been measured as the net contact surface measurement between concrete and formwork.	Note			
	Type of formwork shall be ply wood or steel with steel supporting system on concrete surfaces on removal of shuttering unless otherwise specified elsewhere. Rates for formwork shall include for all necessary measures to provide fine finish to the satisfaction of the Engineer.	Note			
	The bidder shall submit the detail of his proposal for formwork system along with the bid.	Note			
C.07	Sides of Columns Footings	m <sup>2</sup>	2.75		
C.08	Sides of Columns	m <sup>2</sup>	12.00		
C.09	Sides of Plinth Level Beams	m <sup>2</sup>	10.00		
C.10	Sides of Roof Level Beams	m <sup>2</sup>	4.00		
C.11	Soffit of Roof Level Beams	m <sup>2</sup>	4.30		
	<b><u>REINFORCEMENTS</u></b>				
	The size of reinforcement bars comply BS 4449 described in the drawing or elsewhere shall be the minimum size and the rolling margin and any other tolerance shall be wholly above this size. Hooks and laps have been measured and included with the quantities for reinforcements.	Note			
	All reinforcement shall be free from mill scale, dirt, oil, paint, grease or loose rust before fixing in position and shall be brushed with a stiff wire brush if so directed by the Engineer.	Note			
	Reinforcement shall be bent cold by applying a slow even pressure on an approved type of bending apparatus.	Note			
	Re-bending of incorrectly bends bars shall not be attempted.	Note			
	Rates shall include for cutting, bending, fabricating, placing in position, holding and supporting including temporary fixing supports, hangers, binding wire spacers and waste.	Note			
	Rates shall include for working in difficult conditions.	Note			

	The bidder is advised to refer the diameters of reinforcement steel to be used for this project and to be aware of the availability of relevant diameters and to price the item in the trade accordingly.	Note			
	The actual weight of steel used at site will be calculated on the average weight of steel indicated in the mill certificate the same.	Note			
	<b>High yield Steel and Mild Steel bar comply BS 4449 reinforcement in the following;</b>				
C.12	In Column Footing	kg	22.00		
C.13	In Columns	kg	90.00		
C.14	In Plinth Level Beams	kg	80.00		
C.15	In Roof Level Beams	kg	40.00		
C.16	Construction of reinforced concrete (20 N/mm <sup>2</sup> -20mm) lintel of size 125 mm x 150 mm. Rate to including for form work & reinforcement ( 2 Y12 bars & Stirrups) in Building.	Lm	11.00		
C.17	Construction of reinforced concrete (20 N/mm <sup>2</sup> -20mm) sill of size 125 mm x 150mm. Rate to including for form work & reinforcement ( 2 Y10 bars & Stirrups) in Building.	Lm	7.20		
	<b>SUB TOTAL FOR CONCRETE WORK CARRIED TO SUMMARY</b>			<b>SLRs.</b>	
<b>5D</b>	<b><u>MASONRY WORK</u></b>				
	The bidders are requested to refer General Notes, Pricing Preambles, Drawings, Specifications, Conditions of Contract, Special Conditions of Contract and all other relevant documents prior to pricing of the following items.	Note			
	Rates shall include for preparation of surfaces of floor slab, columns (steel or RCC) and wall surfaces for proper bonding	Note			
	Rate to include cost for all concrete stiffener columns & stiffener beams as per specification	Note			
	Rate shall include to,	Note			
	1. All rough and fair cutting, plumbing angles, normal straight cutting, forming rebated reveals and raking out joints for plastering.				
	2. Forming rough and fair grooves, throats, mortises, chases, rebates and holes, stops and miters.				
	3. Supplying & Fixing				
	<b>Stone Work</b>				
	<u>Random Rubble Masonry Work</u>				
5D.01	Random Rubble( 150 mm-225 mm) Masonry work in 1:5 Cement sand mortar in Wall Foundation of Building and in Disable Ramp.	m <sup>3</sup>	5.50		
	<b>Block Work</b>				
	All cement and sand concrete blocks shall comply with BS 6073.	Note			
	Characteristic strength of block work shall be 2.5 N/mm <sup>2</sup>	Note			
	Mortar used for block work/ brick work shall be 1:5 cement and sand mixture unless otherwise specified.	Note			
	<u>125mm Concrete Block Work</u>				
5D.02	125mm thick 1:4:5 (20mm) Concrete block work in 1:5 cement sand mortar for walls in Building.	m <sup>2</sup>	26.00		
	<b>SUB TOTAL FOR MASONRY WORK CARRIED TO SUMMARY</b>			<b>SLRs.</b>	

<b>5E</b>	<b><u>WATER PROOFING</u></b>				
	The bidders are requested to refer General Notes, Pricing Preambles, Drawings, Specifications, Conditions of Contract, Special Conditions of Contract and all other relevant documents prior to pricing of the following items.	Note			
	Waterproofing work to be carried out by a specialist waterproofing sub contractor. The contractor shall submit a 10 year guarantee for material and workmanship in the name of the Owner for waterproofing system in an internationally accepted format.	Note			
	The bidder shall submit the most suitable water proofing system as specified to suit for different surfaces at location technically acceptable to the Engineer.	Note			
	<b><u>Damp Proofing</u></b>				
5E.01	Damp proof membrane to horizontal surfaces of floors out of 1000 gauge polythene.	m <sup>2</sup>	12.00		
5E.02	20mm thick 1:2 cement : sand DPC and finished with two coats of hot tar blinded with coarse sand.	m <sup>2</sup>	6.00		
	<b>SUB TOTAL FOR WATER PROOFING CARRIED TO SUMMARY</b>			<b>SLRs.</b>	
<b>5F</b>	<b><u>METAL WORKS</u></b>				
	Rate for handrail / guardrail shall include for necessary welding, cutting, embedding, anchoring etc., as per detail drawings.	Note			
	<b><u>Roller shutter Door</u></b>				
5F.01	Supplying and fixing of a Aluminium Roller Shutter door, having a maximum clear width of 20' and	m <sup>2</sup>	6.00		
	<b>SUB TOTAL FOR METAL WORKS CARRIED TO SUMMARY</b>			<b>SLRs.</b>	
<b>5G</b>	<b><u>TIMBER WORK</u></b>				
	Timber shall be of approved quality, Frame shall be of Palai/Palu or Red Balau or Equivalent approved by the Engineer and Sashes Palai/Palu, Satin or Teak or Equivalent approved by the Engineer.	Note			
	All doors shall have stainless steel hinges unless specified, locks shall be Mortise cylinder locks with duplicate Keys.	Note			
	All Windows shall have stainless steel hinges unless specified,	Note			
	All Doors and Windows shall have necessary barrel bolts, Castement Stays, Draw rings etc.	Note			
	Rate to include for two coats of Varnish painting after preperation of surface.	Note			
	The Contractor shall submit detailed shop drawings for the approval of the Engineer, 14 days prior to fabrication.	Note			
	All cutting, notching, drilling, sinking, trimming, framing jointing,splayed edges and the like including fixing in position complete with all nails, spikes, screws and priming to joints and ends.	Note			

	No application of any description shall be made on any timber unless and until the timber is approved by the Engineer.	Note			
	All exposed faces of timber are to be wrot. The sizes given below are nominal without allowance for planning except where described as finished sizes.	Note			
	Rates shall include for:	Note			
	All labour in framing, jointing and fixing in position complete with all nails, spikes, screws etc.				
	All doors, windows and fanlight shall be fixed complete as per detail drawings.				
	All door frames shall be fixed with spur stone at the foot.				
	All door and window frames shall be fixed to brick walls with M.S. hold fasts.				
	All necessary brass oxidised mongery.				
	<b>Joinery</b>				
	<b>Doors</b>				
5G.01	Supply and Fixing Type D2, Double sash Swing Door in approved Timber, 900mm x 2100mm in over all size comprising of door frame of 100mm x 75mm once rebated Jambs and Head, panelled door sash fixed to the frame using approved quality butt hinges including all iron mongery. Rate to include for One Primer Coat and Two Coats of Varnish including preparation of surface.	Nr	1.00		
5G.02	Supply and Fixing Type W 1800 mm x 1950 mm Window in approved Timber in over all size with Louver panels on top comprising of window frame of 100mm x 75mm once rebated Jambs and Head with Glazed sashes fixed to frame using approved quality butt hinges including all iron mongery. Rate to include for One Primer Coat and Two Coats of Varnish including preparation of surface and 16mm MS bar in 125mm C/c Space with two coat of anti corrosive.	Nr	2.00		
	<b>SUB TOTAL FOR TIMBER WORK CARRIED TO SUMMARY</b>			<b>SLRs.</b>	
<b>5H</b>	<b><u>CEILING WORK</u></b>				
	<b>Cement Fibre Ceiling</b>				
5H.01	Supplying and installation of 4.5mm think Cement Fibre ceiling Including eaves fixed with necessary timber frame work (50mm x 100mm joists and 50mm x 50mm bearers at 600mm c/c) of approved quality fixed with 40mm x 12mm timber beedings of 40mm x 40mm timber cove mouldings of approved quality with necessary screws and nail. Rate shall include for applying two coats of wood preservative to Timber frame work and One primer coat two coats of Fungus Resistant emulsion paint to ceiling and two coats of enamel paint to beedings mouldings.	m <sup>2</sup>	33.00		
	<b>SUB TOTAL FOR CEILING WORK CARRIED TO SUMMARY</b>			<b>SLRs.</b>	
<b>5J</b>	<b><u>ROOFER AND ROOF PLUMBING</u></b>				
	<b>Roof Covering</b>				
	<b>Tile Roofing</b>				

5J.01	Supplying and placing of Calicut pattern Tile roofing laid on timber roof frame work consists of 50×100mm rafters at 450mm spacing ,50 x25mm reepers at 300mm spacing and at both eaves side spacing interval is 150mm shown in drawing,50×175 ridge plates, 50 x 175 Hip Rafters , 50 x 175 Valley Rafters, 100mm x 100mm Centre posts, 100mm x200mm & 75x150mm horizontal Beams and 100x75mm wall plate as shown in drawing . Timber shall be imported Hard wood, Red/ Yellow balaw or equivalent approved by the Engineer and treated well with two coats of approved quality wood preservatives. Rate shall include for necessary screws, nails and fittings.	m <sup>2</sup>	38.00		
5J.02	Supplying and fixing of Calicut pattern Ridge tiles jointed and bedded in 1:1:4 cement lime and sand mortar coloured to match tiles.	m	15.00		
5J.03	Supplying and fixing 150x100mm size special upper class timber beam, post as directed by Engineer	Lm	3.50		
5J.04	Supplying and fixing of 20mm thick, 225mm timber valance & Barge Fascia board using brass screws and complete with painting	m	18.00		
	<b>Roof Plumbing</b>				
5J.05	Supplying and fixing 0.47 mm thick Zinc aluminium alloy coated colour bonded type D of metroof/similar eave gutters of size 130 x 160mm of approved pattern and colour including end caps, running joints with including all necessary fittings.	m	18.00		
5J.06	Supplying and fixing 0.47 mm thick Zinc aluminium alloy coated colour bonded down pipes of size 100mm x 100mm of approved pattern and colour with brackets and brass screws with wooden plugs including all necessary molded fittings	m	15.00		
	<b>SUB TOTAL FOR ROOFER AND ROOF PLUMBING CARRIED TO SUMMARY</b>			<b>SLRs.</b>	
<b>5K</b>	<b>FLOOR, WALL &amp; CEILING FINISHES</b>				
	The Bidders are requested to refer the General Notes, Pricing Preambles, Drawings, Specifications, Conditions of Contract, Special Conditions of Contract and all other relevant documents prior to pricing of the following items.	Note			
	1. Rates shall include for preparation of surfaces for proper bonding.				
	2. Rate shall include for measures to provide suitable bonding between different surfaces such as concrete and brick/block surfaces as per specification. Rates shall also include for all tile specials such as corners, edges etc.,				
	3. Rates shall include for cutting tiles as necessary.				
	4. Rate for tiling shall include for providing acceptable adhesive and/or suitable cement in an approved quality which has no effect to the properties of tiles.				

	5. Rates for floor finishes shall include for temporary rules, screeds, ground etc., all normal cutting arises, rounded angles and the like, bedding, pointing, forming joints making good between different surfaces, around pipes, sanitary fittings and other fixtures and cleaning down upon completion.				
	All floor and wall tiles shall be of approved quality ( Lanka Tiles/ Rocell Brands) and colour. Tile samples shall be provided for approval by the Engineer/Architect prior to purchase of materials.	Note			
	Rates for plaster work shall include for reinforcing joints between different types of construction material (e.g. block work/ brickwork and concrete work) with 150mm wide galvanized steel mesh as directed by the Engineer. <b>Rate shall include for Reveals.</b>	Note			
	Rates for soffit finishes shall include for preparation of surfaces, cleaning down, smoothing, knotting, stopping, etc., protection of floors and fittings, removing and replacing door and window fittings, if required, and cleaning upon completion.	Note			
	<b><u>Floor Finishes</u></b>				
	<b><u>Rendering</u></b>				
5K.01	25mm thick, 1:2 cement sand, cut and polished coloured rendering	m <sup>2</sup>	17.00		
	<b><u>Wall Finishes</u></b>				
	<b><u>External Faces- Plastering</u></b>				
5K.02	15mm thick 1:3 cement sand plaster finished smooth with approved coloured cement floating to plinths.	m <sup>2</sup>	6.00		
5K.03	15mm thick 1:3 cement sand plaster finished semi rough with to walls, Columns and Sides of Beams & Lintols in Building	m <sup>2</sup>	32.00		
	<b><u>Internal Work- Plastering</u></b>				
5K.04	15mm thick 1:3 cement sand plaster finished smooth to internal faces of walls, Columns and sides of Beams,tanks & Lintel	m <sup>2</sup>	25.00		
5K.05	15mm thick 1:3 cement sand plaster finished smooth to soffit of Beams	m <sup>2</sup>	3.00		
	<b>SUB TOTAL FOR FLOOR, WALL &amp; CEILING FINISHES CARRIED TO SUMMARY</b>			<b>SLRs.</b>	
<b>5L</b>	<b><u>PAINTER &amp; DECORATOR</u></b>				
	Rate shall include for preparation of surfaces, cleaning down, smoothing, knotting, stopping, patching up cracks, etc., protection of floors and fittings, removing and replacing door and window fittings, if required, and cleaning upon completion.	Note			
	All emulsion/ enamel/ weathershield paint shall be of approved make CIC or equivalent approved by Engineer	Note			
	Rate to include for the cost for the scaffoldings.	Note			
	<b><u>External Faces</u></b>				

5L.01	Prepare & apply one alkaline resisting primer coat and two coats of weather shield emulsion of approved colour and quality to semi-rough rendered surfaces of walls, Columns and Sides of Lintols. (Rate shall include for reveals)	m <sup>2</sup>	32.00		
	<b><u>Internal Faces- Walls</u></b>				
5L.02	Prepare and apply one primer coat and two coats of Fungus Resistant emulsion of approved colour and quality to smooth plastered surfaces to internal faces of walls,Columns, sides of Lintel and column faces. (Rate shall include for reveals)	m <sup>2</sup>	25.00		
5L.03	Prepare and apply one primer coat and two coats of Fungus Resistant emulsion of approved colour and quality to smooth plastered surfaces to soffit of internal faces of beams. (Rate shall include for reveals)	m <sup>2</sup>	3.00		
	<b>SUB TOTAL FOR PAINTER &amp; DECORATOR CARRIED TO SUMMARY</b>			<b>SLRs.</b>	
<b>5M</b>	<b><u>ELECTRICAL INSTALLATION</u></b>				
	Rates in Bill of Quantities shall include all necessary materials (Cables, conduits, PVC sunk box, bulbs, switches etc.) and labour required to complete the electrical installation to good working order.	Note			
	Testing and commissioning of all the systems & electrical installation is to be carried out and inspection report ( 02 sets) submitted according to the requirements of the power supply by a Chartered Electrical Engineer.Rate shall be include for Testing,commissionung and report submission.	Note			
	Rate Shall include for submission of shop drawings and submission of draft layouts, conduit layouts etc.for Consultant's approval before commencing the installation (03 sets)with Designing of Distribution board, Consumer unit and line diagram designing by a Chartered Electrical Engineer.	Note			
	Rate Shall include for submission of As-built drawings on completion of the contract (03 sets)	Note			
	Electrical Items (MCB,RCCB etc.) should be of European/Japanese origin or to the BS or equivalent and items without an accredited agent in Sri Lanka shall not be accepted. Guarantee cards(Fans etc.) should be provided from accredited agent before installation.	Note			
	All the quantities given here are approximated values and Quantities may change with the actual installation at the site.	Note			
	All types of fittings, materials, painting and finishes shall be approved by the Engineer prior to installation.	Note			
	All panel boards and consumer units should have wire numbering and a laminated circuit diagram should be pasted on the inside surface of the door.	Note			
	Electrical Coduits, which are laid along Earth should be securely protected by PVC conduits. Earth shall be backfilled properly.	Note			

	Electrical Coduits, which are laid along internal Roads should be securely protected by PVC conduits. Cut road shall be filled with mass concrete and making good to roads.	Note			
	<b>Single phase Consumer units</b>				
5M.01	Supply and installation of wall mounted switch gear cubicle made out of polycarbonate enclosure to the approval of the engineer. Additional space to be provided inside the distribution board enclosure to install two additional breakers (of capacity with existing max. outgoing breaker) if necessary.	Nr	1.00		
	01 No. 40A, 2-pole MCB 6kA				
	01 Nos. 40A 2-pole RCCB, 30mA sensitivity				
	7 - 9 No. 6-32A, 1-pole MCB 6kA				
	Earth Bar				
	All internal connections.				
	Equipment to be to the BS and European/Japanese make				
5M.02	Supply and Installation of service bracket 5'-0" long 2 1/2" x 2 1/2" x 1/4" angle iron.	Nr	1.00		
5M.03	<b>Provisional Sum</b> for obtaining main power supply connection from the Ceylon Electricity Board, including all the correspondence and co-ordination work, builders work. Etc.			<b>Pro. Sum</b>	<b>20,000.00</b>
	<b>Cables</b>				
5M.04	Allow Provisional Sum for Suppling and Installation of Main Cables from Energy Meter to MDB and MDB to Cosumer Units			<b>Prov. Sum</b>	<b>30,000.00</b>
	<b>Fans</b>				
5M.05	Supply & installation of 1400mm sweep ceiling fan (European/Japanese make), complete with regulator, fan hook, extension rod & attachment - Guarantee cards should be provided from accredited agent. Rate to include for wiring (including supply of all material, earth wire & switch) of the above ceiling fans using approved type 1 mm <sup>2</sup> , Cu/PVC/PVC cable & 2.5 mm <sup>2</sup> earth wire drawn through securely fixed concealed PVC conduits	Nr	1.00		
	<b>Socket Outlets</b>				
5M.06	Supply & installation of 13A shuttered switched single socket outlet to comply with BS 1363 . Rate to include for Wiring (including supply of all material required ) of 15A socket outlets using approved type 2.5mm <sup>2</sup> Cu/PVC/PVC, 2C cable & 2.5mm <sup>2</sup> earth cable drawn through securely fixed concealed PVC conduit	Nr	2.00		
5M.07	Supply & installation of 5A shuttered switched socket outlet to comply with BS 1363.Rate to include for Wring (including supply of 2.5 mm <sup>2</sup> earth wire & all other material required ) of above socket outlet using approved type 1.0mm <sup>2</sup> Cu/PVC/PVC cable drawn through securely fixed concealed PVC conduits	Nr	2.00		
	<b>Light Fitting</b>				
	Samples should be provided prior to the installtion for electrical engineer's approval. Guarantee cards should be provided for CFL bulbs.	Note			



5M.08	Supply and installation of Ceiling Mounted Type Lamp Fittings. Rate to include the cost of 23W CFL Spiral bulbs (warm white) lamp. Rate to include for Wiring (including supply of all materials) of the above light points using approved type PVC insulated PVC sheathed 1 mm <sup>2</sup> copper cable and 1mm <sup>2</sup> Cu/PVC earth drawn through securely fixed concealed PVC conduit	Nr	3.00		
5M.09	Supply and installation of Wall Mounted/ Bracket water tight external Lamp Fittings. Rate to include the cost of 23W approved type bulbs. Rate to include for Wiring (including supply of all materials) of the above light points using approved type PVC insulated PVC sheathed 1 mm <sup>2</sup> copper cable and 1mm <sup>2</sup> Cu/PVC earth drawn through securely fixed concealed PVC conduit	Nr	3.00		
	<b><u>Main Earthing System</u></b>				
	Supply and Installation of all required materials and cables and connection to respective equipment to provide complete system.	Note			
5M.10	Supply and Installation of an earth electrode of minimum 16mm dia. solid copper rod of length 1.2m or more with a clamp connection to earth conductor. Earth resistance shall be less than 10 Ohms tested on a dry day. An earth pit of size 300mm x 300mm x 200mm is to be prepared and covered by concrete plate to protect the earth electrode.	Nr	1.00		
	<b>SUB TOTAL FOR ELECTRICAL INSTALLATION CARRIED TO SUMMARY (Without Pro Sum)</b>			<b>SLRs.</b>	
<b>SUMMARY</b>					
ITEM NO	DESCRIPTION	AMOUNT (SLRs.)			
5B	EXCAVATION & EARTH WORK				
5C	CONCRETE WORK				
5D	MASONRY WORK				
5E	WATER PROOFING				
5F	METAL WORKS				
5G	TIMBER WORK				
5H	CEILING WORK				
5J	ROOFER AND ROOF PLUMBING				
5K	FLOOR, WALL & CEILING FINISHES				
5L	PAINTER & DECORATOR				
5M	ELECTRICAL INSTALLATION				
	<b>SUB TOTAL FOR CONSTRUCTION OF BUILDING CARRIED TO GRAND SUMMARY</b>				

**CONSTRUCTION OF 2 MILK COLLECTION CENTERS AT SAMPOOR AND PATTALIPURAM**

**PRICED BILLS OF QUANTITIES**

**BILL NO. 06- CONSTRUCTION OF TOILET WITH WATER TANK AT PATTALIPURAM**

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b>6A</b>	<b><u>EXCAVATION &amp; EARTH WORK</u></b>				
	<b>Site Preparation</b>				
6A.01	Clearing site vegetation including compacting and disposal of all surplus excavated material away from the site as directed. (contractor shall visit the site & assert the actual work involve)	Item	1.00		
	<b>Excavation</b>				
6A.02	Excavation in ordinary soil for column and wall foundation footing not exceeding 1500mm deep from existing ground level except rock requiring blasting. Rate shall include for compacting the bottom of excavation, part return fill to excavation and rammed, surplus disposed off site as directed.	m3	0.85		
	<b>Filling</b>				
6A.03	Approved imported hard earth (Gravel) filling including levelling, watering and compacting in 150mm layers between foundation of walls upto DPC level with 98% compaction. (Measured compacted volume)	m3	0.12		
6A.04	Approved imported hard earth (Gravel) filling including levelling, watering and compacting in 150mm layers around the building with 98% compaction. (Measured compacted volume)	m3	0.18		
6A.05	Approved available hard earth filling including levelling, watering and compacting in 150mm layers between foundation of walls upto DPC level with 98% compaction. (Measured compacted volume)	m3	1.00		
	<b>TOTAL FOR EXCAVATION &amp; EARTH WORK</b>			<b>SLRs</b>	
<b>6B</b>	<b><u>CONCRETE WORK</u></b>				
	<b>Concrete</b>				
6B.01	75mm thick 1:3:6 (25) Lean concrete below wall foundation	m3	0.14		
6B.02	75mm thick 1:2 1/2:5 (25mm) floor concrete	m2	0.54		
6B.03	For 125mm thick slab	m3	0.47		
6B.04	100mm x 150mm lintel with 4Nos T12mm at bottom with R6 @ 150mm centres as per the drawing. Rate shall include for necessary form work.	L.m	4.20		
	<b>Formwork</b>				
6B.05	For slab	m2	4.21		
	<b>Reinforcements</b>				
6B.06	Tor Steel ( T10mm)	kg	27.89		
6B.07	50x50mm 12gauge GI welded mesh on top side of slab	m2	3.04		
	<b>TOTAL FOR CONCRETE WORK</b>			<b>SLRs</b>	
<b>6C</b>	<b><u>MASONRY WORK</u></b>				
	<b>Block Work</b>				

6C.01	100mm thick 1:6 cement sand solid block masonry wall in 1:5 cement sand mortar.	m2	8.97		
	<b>Rubble Work</b>				
6C.02	Random rubble masonry in cement and sand 1:5 mix for wall foundation. Rubble shall be granite stone	m3	1.19		
	<b>TOTAL FOR MASONRY WORK</b>			<b>SLRs</b>	
<b>6D</b>	<b>ASPHALT WORK</b>				
6D.01	1000 gauge polythene sheet as horizontal damp proof membrane under ground floor slab.	m2	2.97		
6D.02	Damp proof course 20mm thick in cement and sand 1:2 finished with the application of two coats of hot tar blinded with sand.	m2	1.26		
	<b>TOTAL FOR ASPHALT WORK</b>			<b>SLRs</b>	
<b>6E</b>	<b>TIMBER &amp; METAL WORK</b>				
6E.01	Door type D fully paneled timber door 28mm thick sash fixed on 70x95 mm timber frame firmly fixed to walls using 2 nos of steel holdfasts on either side. Complete with 3 nos of 100x75 brass oxidesed hinges, 2 nos of 100mm long barrel bolts and lock. Rate shall include two coats of wood preservative of approved quality and two coats of enamel paint. all the timber shall be in Class 1.	m2	1.62		
	<b>TOTAL FOR TIMBER &amp; METAL WORK</b>			<b>SLRs</b>	
<b>6F</b>	<b>FLOOR, WALL &amp; CEILING FINISHES</b>				
6F.01	1:3 Cement and sand rendering 20mm thick to plinth finished smooth with coloured cement floating.	m2	2.97		
	<b>Internal Plaster</b>				
6F.02	15mm thick 1:4 plaster smooth finished with acrylic wall filler	m2	6.44		
6F.03	20mm thick cement and sand 1:3 coloured rendering with cement floating	m2	2.09		
	<b>External Plaster</b>				
6F.04	15mm thick plaster 1:4 cement and sand finished semi rough to the walls	m2	7.61		
6F.05	12mm thick plaster 1:4 cement and sand finished for slab	m2	7.91		
	<b>TOTAL FOR FLOOR, WALL &amp; CEILING FINISHES</b>			<b>SLRs</b>	
<b>6G</b>	<b>PAINTING &amp; DECORATION</b>				
6G.01	Prepare plaster surfaces of wall and apply two coats of White washing	m2	21.96		
	<b>TOTAL FOR PAINTING &amp; DECORATION</b>			<b>SLRs</b>	
<b>6H</b>	<b>PLUMBING &amp; DRAINAGE WORK</b>				
	<b>Supply and Install Sanitary fittings and Toilets Accessories</b>				
6H.01	Supply and fixing ceramic Squatting pan pedestal type with "P" or "S" trap all in working order	Nos	1.00		
	<b>Water Distribution System</b>				
6H.02	Supply and lay/Fix 20 mm dia Type 1000 PVC Pipe with specials	L.m	58.00		

6H.03	Supply and lay/Fix 25 mm dia Type 1000 PVC Pipe with specials	L.m	19.00		
6H.04	Supply and lay/Fix 32 mm dia Type 1000 PVC Pipe with specials	L.m	40.00		
6H.05	Supply and fix 32 mm dia Ball Valve	No	3.00		
6H.06	Supply and fix 20 mm dia Ball Valve	No	4.00		
6H.07	Bib tap 1/2" water tec / Plastic	No	1.00		
	<b>Sewer pipes</b>				
6H.08	110mm dia sewer pipe	L.m	2.44		
	<b>Sewer Manhole</b>				
6H.09	Construction of 1200mm dia 2400mm depth soakage pit as per drawing.	Nos	1.00		
6H.10	Supply and place 500 litres PVC water tank approved quality and 4 feet height GI stand as per the drawing on top of the toilet slab and firmly fixed to the slab using 10mm dia nylon rope or equivalent with all necessary sockets and unions.	Nos	1.00		
6H.11	Drilling 200mm dia bore well untill 6m length end casing with type 600, 150mm dia uPVC pipe and drilling 125mm dia extend upto reaches enough water and supply end casing 100m dia uPVC	Lm	20.00		
6H.12	Supplying & fixing electric water pump with motor (Jinasena centric pump) 1"×1" single phase model (No:M 140/1) in 1.5 HP or equivalent approved quality on cement concrete bed 2'×11/2'×1/2' in 1:2:4 (3/4") mix with 04 Nos 3/8"×6" rag bolts & nuts, rendered in cement mortar 1:2, including getting connection from water source, necessary suction pipes, foot valve & starter switch, electrical installation from main line to pump house, main switch with pilot lamp all complete to working order.	Nos	1.00		
	<b>TOTAL FOR PLUMBING AND DRAINAGE</b>			<b>SLRs</b>	

	<b>GRAND TOTAL</b>			<b>SLRs</b>	
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# CONSTRUCTION OF 2 MILK COLLECTION CENTERS AT SAMPOOR AND PATTALIPURAM

## PRICED BILLS OF QUANTITIES

### BILL NO. 07- EXTERNAL SERVICES AT PATTALIPURAM

ITEM NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b>7B</b>	<b>Steel Gate</b>				
7B.01	Supplying, fabricating and fixing of <b>Gates</b> of sized 4000mm (wide) x 1650mm ( height) with made out of heavy duty 75x 50mm Hollow GI Box section and 25mm diameter G.I pipes as shown in Drawings. . Rate to include for 2 Nos 300 x 300mm RCC pillars for 2.0 m height in 1:2:4 (3/4") concrete 4Y12 reinforced and R6 at 150mm crs stirrups rate include for Excavation base concrete footing R/F with Y10 @ 200mm c/c both way and 16mm thick 1:4 plastering, 3 Nos pintol and stirrups locking device barrel bolt etc. and 2 coats of anticorrosive paint and 2 coats of enamel paint and 2 coats of painting to pillars as directed.	nr	1.00		
<b>7C</b>	<b>Chainlink Mesh Fence</b>				
7C.01	Supplying and fixing of 1.80 m high (above Ground) gauge 10 PVC coated chainlink mesh on the fence posts. Rate to include for 3 Nos, top.middle and bottom line wires, stretcher bars and bolting bracket arrangement with cleats, washers etcf including Casting, transport & erection of intermediate (at 2.4 m intervals) , corner, end and strainer RCC fence posts ( 2.25 m, 100mm x 100mm at top & 150mm x 150mm at bottom ,Reinforced with 4 no R6 Mild steel with High tensile wire stirrups spaced at 225mm . Rate to include for excavation of pits and erection of fence posts along boundary line with lower end burried in ground and surround with 1:3:6 (25mm) concrete for the 450 x 450 x 450 mm .	m	15.00		
<b>7D</b>	<b>Barbed wire Fence</b>				
7D.01	Fence PVC coated barbed wire, 5 strands 12 1/2 B.W.G with 4 points at 75mm centres & R.C.C posts casted in 1:2:4(20) metal reinforced with 4 Nos. 1/4 rods with 14 B.W.G stirrups at 150mm centres post to be fixed at 2500mm crs. including excavation, cement concrete foundation 1:3:6(38) metal to corner posts & struts Rate shall include for corener posts, end posts, struts and straining bolts, all as directed struts to be reinforced with 4 Nos. 3/8" rods and corner posts with 4 Nos. 1/2" rods.	Lm	77.00		
	<b>SUB TOTAL FOR EXTERNAL WORKS CARRIED TO GRAND SUMMARY</b>			<b>SLRs</b>	

**PROJECT:**

**CONSTRUCTION OF TWO MILK COLLECTION CENTERS  
AT SAMPOOR AND PATTALIPURAM.**

**CLIENT:**

**MUTHUR EAST DAIRY COOPERATIVE SOCIETY**

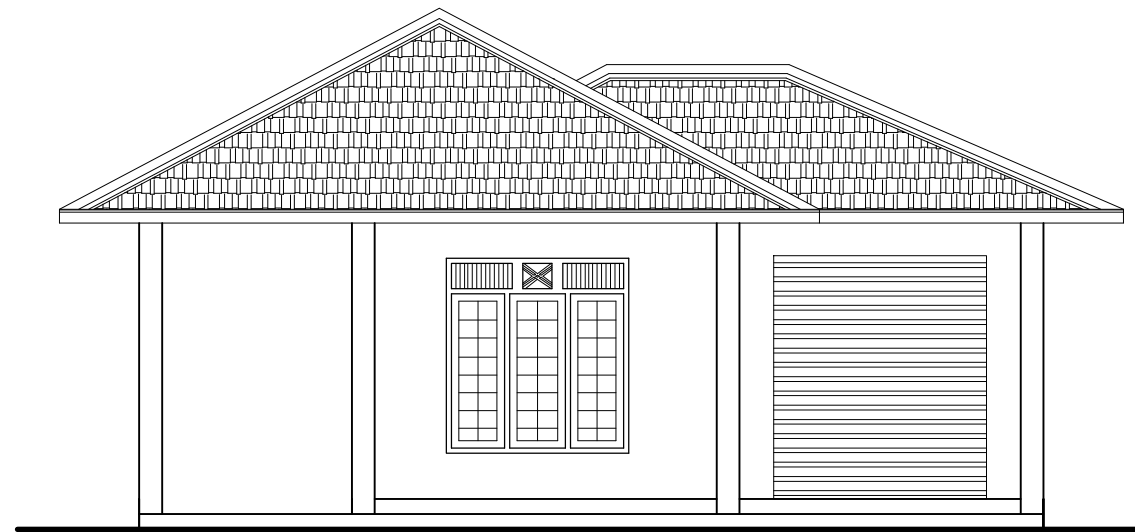
**FUNDING:**

  
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**UNITED NATIONS DEVELOPMENT PROGRAMME**

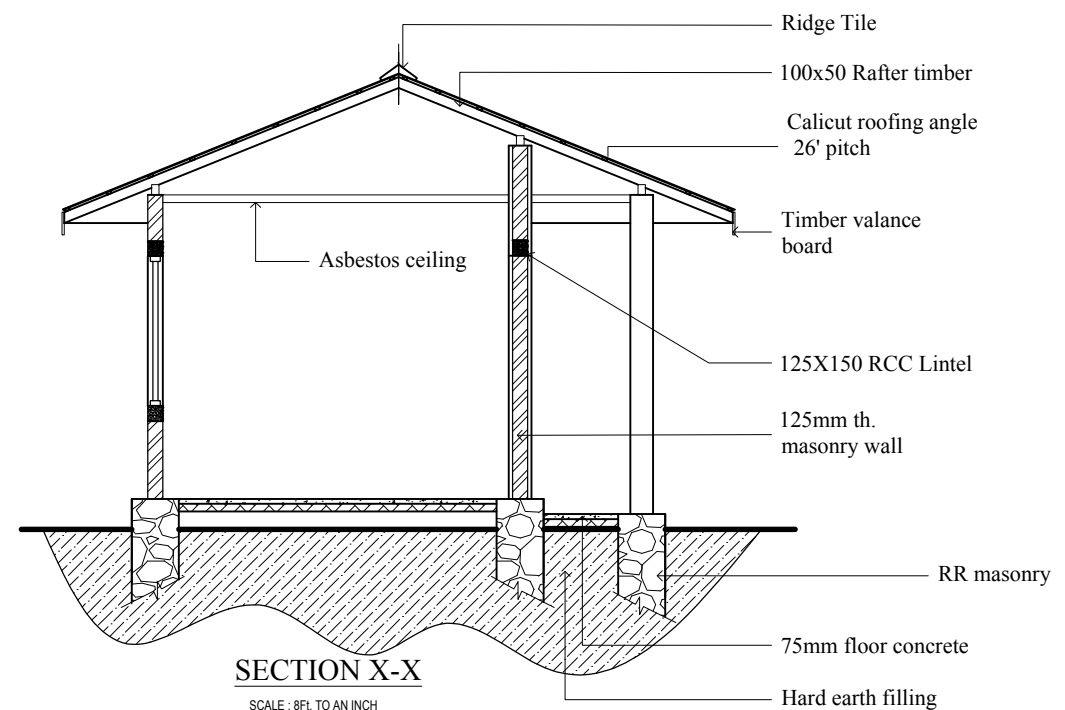
## **LIST OF DRAWINGS - SAMPOOR**

- |  |                          |
|--|--------------------------|
| 1. KEY PLAN                              | - UNDP/TM/MCSC/SP/AR/001 |
| 2. LAYOUT & DETAIL OF WALL FOUNDATION    | - UNDP/TM/MCSC/SP/SD/001 |
| 3. LAYOUT & DETAIL COLUMN & FOOTING      | - UNDP/TM/MCSC/SP/SD/002 |
| 4. LAYOUT & DETAIL OF ROOF BEAM & LINTEL | - UNDP/TM/MCSC/SP/SD/003 |
| 5. DETAIL OF ROOF TIMBER FRAME WORK      | - UNDP/TM/MCSC/SP/SD/004 |
| 6. KEY PLAN & DETAILS OF TOILET          | - UNDP/TM/MCSC/SP/T/001  |
| 7. DETAIL OF FENCE POST & CORNER POST    | - UNDP/TM/MCSC/SP/FE/001 |



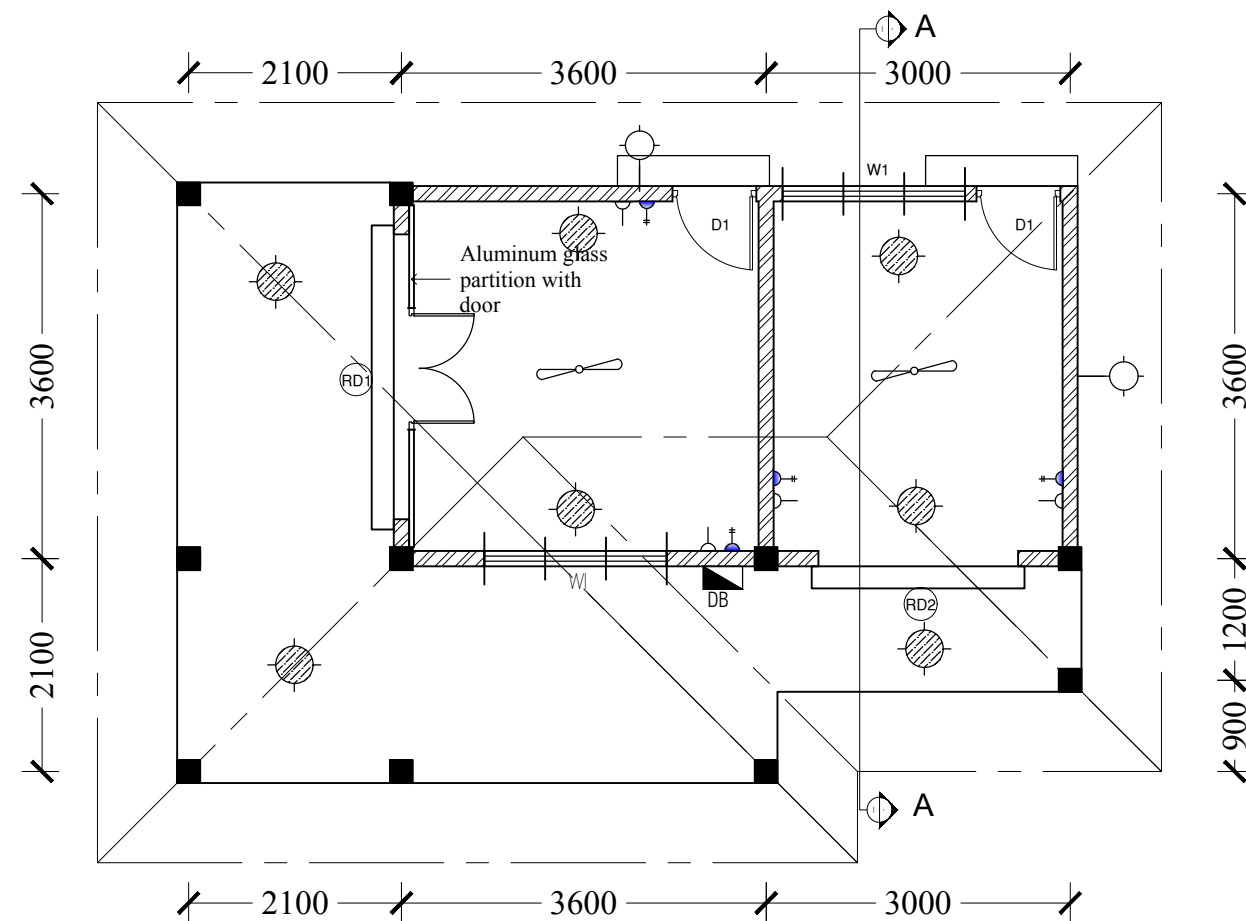
FRONT ELEVATION

SCALE : 8FL TO AN INCH



SECTION X-X

SCALE : 8FL TO AN INCH



GROUND FLOOR PLAN

SCALE : 8FL TO AN INCH

FLOOR AREA- 875.00 Square ft

	26W CFL Ceiling Mount Down Lamp
	20W CFL Wall Braket (IP 65weather proof)
	(13A) Socket Outlet
	(5A) Socket Outlet
	Distribution Board
	Ceiling Fan (1400 mm Sweep)

SCHEDULE OF OPENING			
TYPE	DESCRIPTION	SIZE	NOs
D1	Timber pannel Door fix glass on top	1050 x 2400	02
RD1	Roller door	2100 x 2700	01
RD2	Roller door	2400 x 2700	01
W1	Timber Pannel Glazed window fix glass on top	1800 x 1950	02



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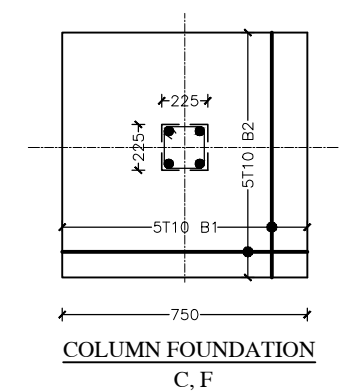
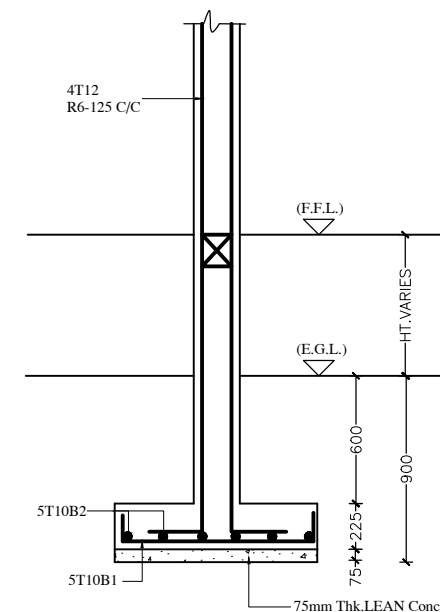
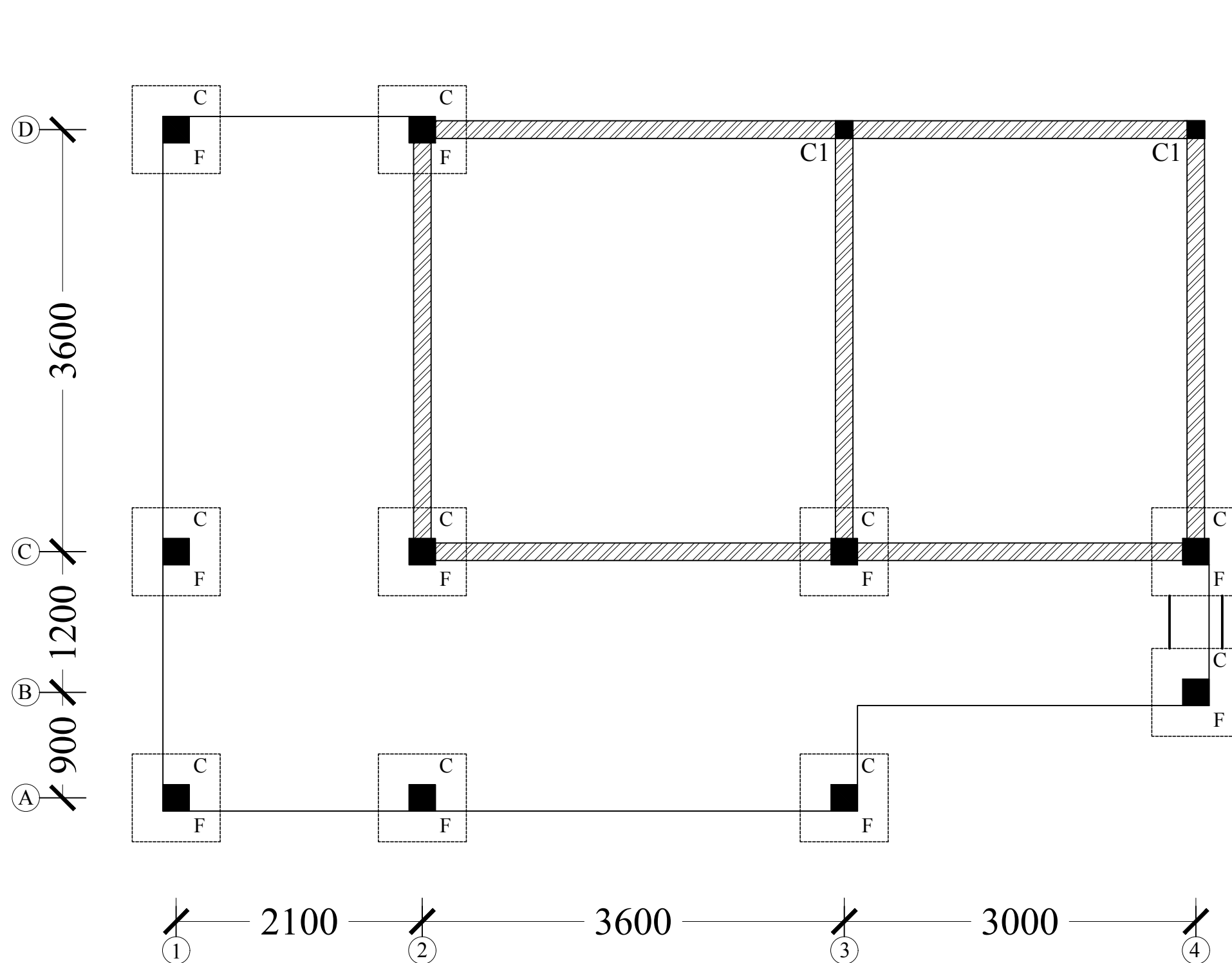
UNITED NATIONS  
DEVELOPMENT PROGRAMME

## CONSTRUCTION OF MILK COLLECTION AND SALES CENTRE AT SAMPOOR.

DRAWING TITLE	KEY PLAN		
DRAWN	S.M		
CHECKED	A.T.		
DATE	20.06.2018		
SCALE	N.T.S.		
DRAWING NO	UNDP/TM/MCSC/SP/AR/001	REV. NO	







### COLUMNS

C	225 225	4T12 R6@125 C/C	UPTO ROOF
C1 stiffener column	125 125	4T10 R6@150 C/C	FROM PLINTH BEAM TO ROOF

### FOOTINGS

F	750x750x225	T10 @ 150 BOTH WAYS
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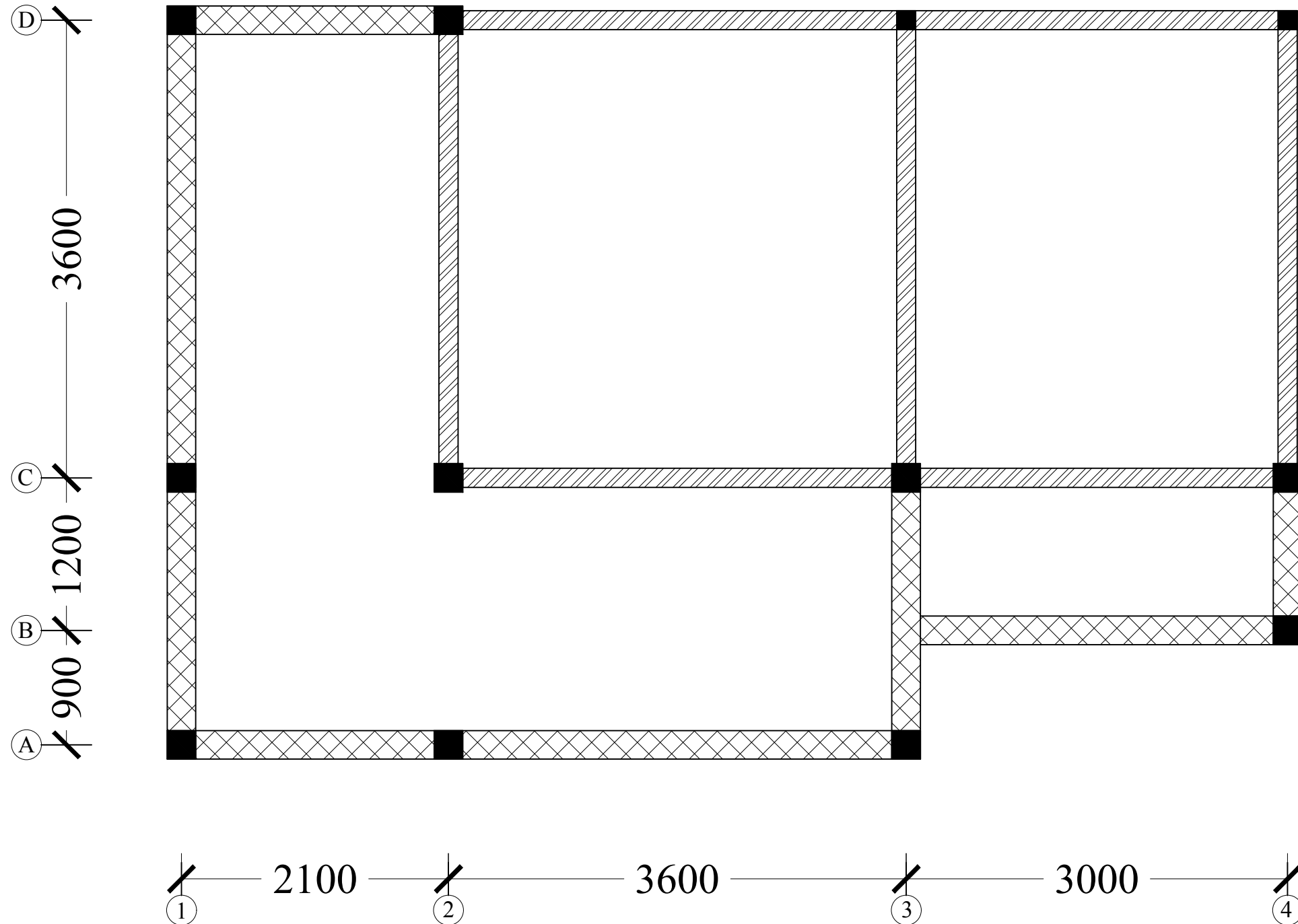


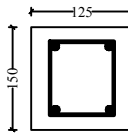
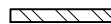
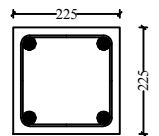
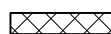
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DEVELOPMENT PROGRAMME

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## CONSTRUCTION OF MILK COLLECTION AND SALES CENTRE AT SAMPOOR.

DRAWING TITLE	LAYOUT & DETAILS OF COLUMN AND FOOTING		
DRAWN	S.M		
CHECKED	A.T.		
DATE	20.06.2018		
SCALE	N.T.S.		
DRAWING NO	UNDP/TM/MCSC/SP/SD/002	REV. NO	



DETAIL OF LINTEL	TYPE OF LINTEL	BOTTOM LEVEL @ (from FFL)
 4T10, R6@150 C/C		2400mm
 2T16 TOP 2T12 BOTTOM R6@125 C/C		2700mm

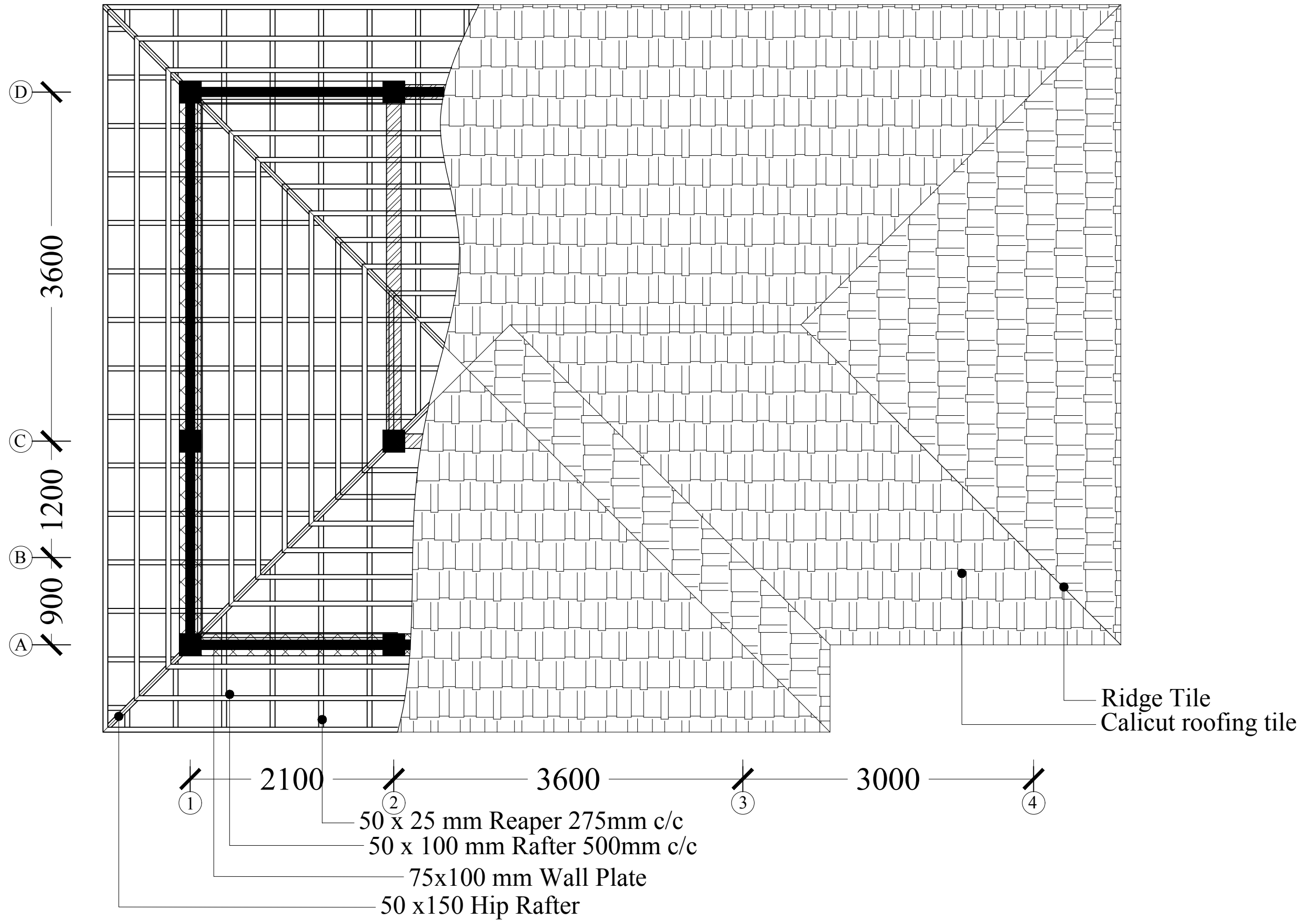


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## CONSTRUCTION OF MILK COLLECTION AND SALES CENTRE AT SAMPOOR.

DRAWING TITLE	LAYOUT OF ROOF BEAM & LINTEL LEVEL.		
DRAWN	S.M		
CHECKED	A.T.		
DATE	20.06.2018		
SCALE	N.T.S.		
DRAWING NO	UNDP/TM/MCSC/SP/SD/003	REV. NO	

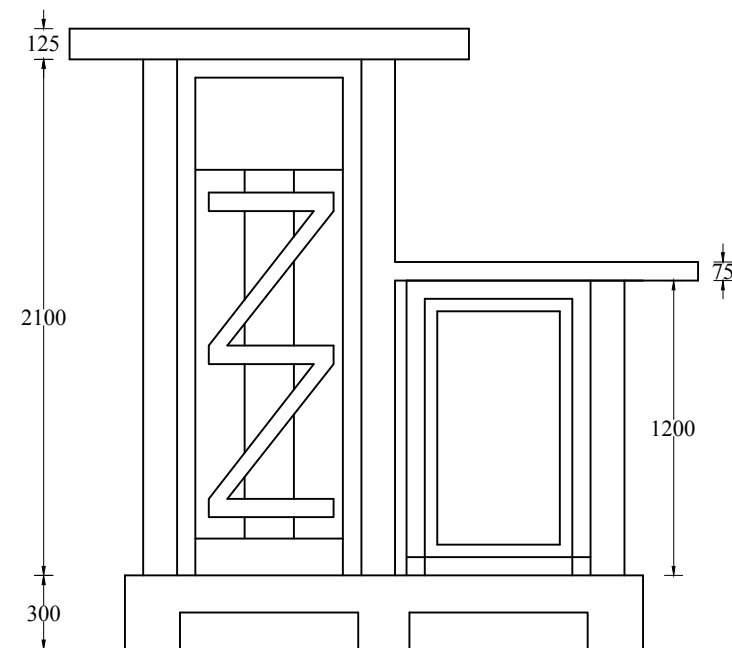


UNITED NATIONS  
DEVELOPMENT PROGRAMME

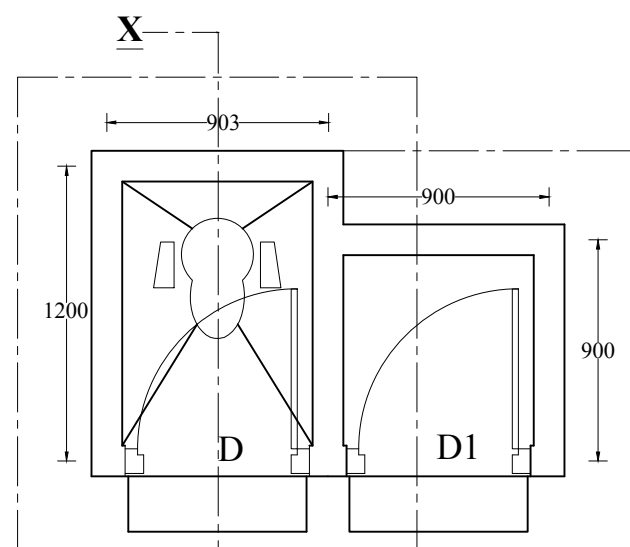
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## CONSTRUCTION OF MILK COLLECTION AND SALES CENTRE AT SAMPOOR.

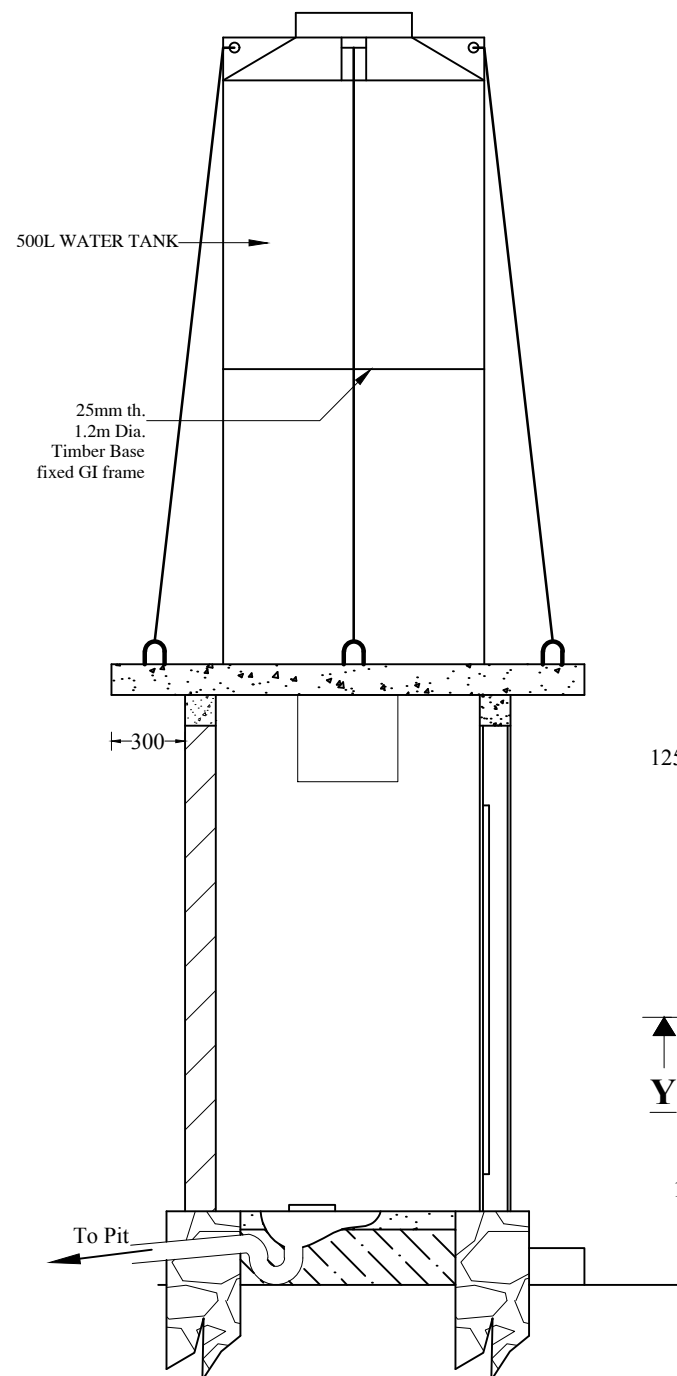
DRAWING TITLE	LAYOUT OF ROOF TMBER FRAME WORK.		
DRAWN	S.M		
CHECKED	A.T.		
DATE	20.06.2018		
SCALE	N.T.S.		
DRAWING NO	UNDP/TM/MCSC/SP/SD/004	REV. NO	



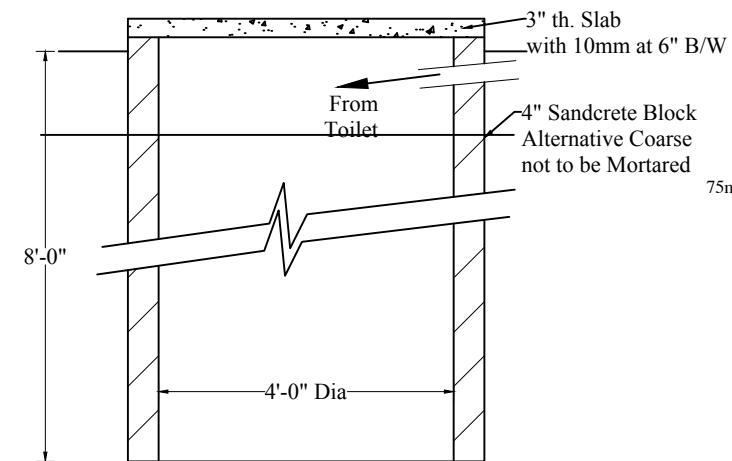
**ELEVATION**



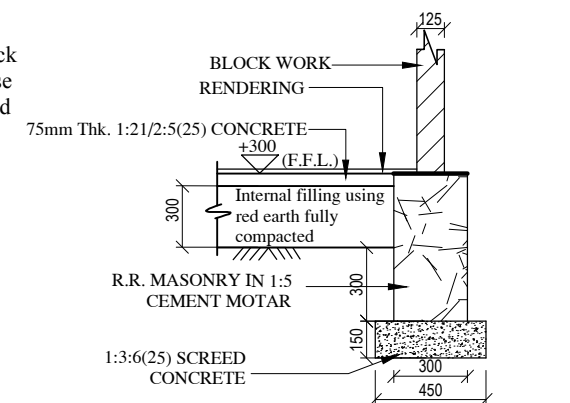
**PLAN**



**SECTION ON X - X**

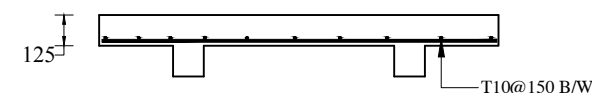


**DETAIL OF PIT  
CIRCULAR**

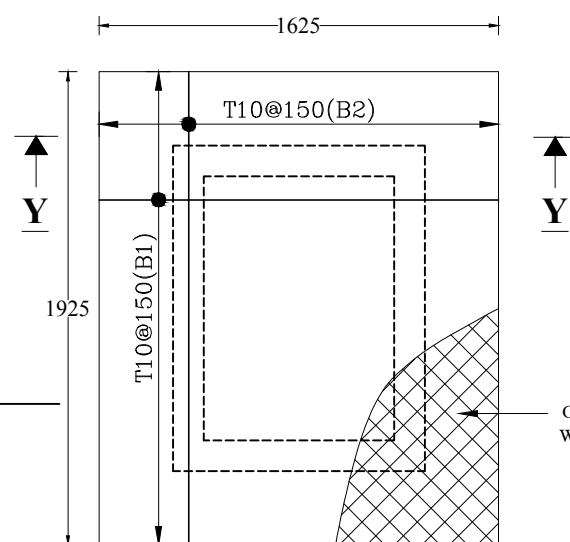


**WALL FOUNDATION**

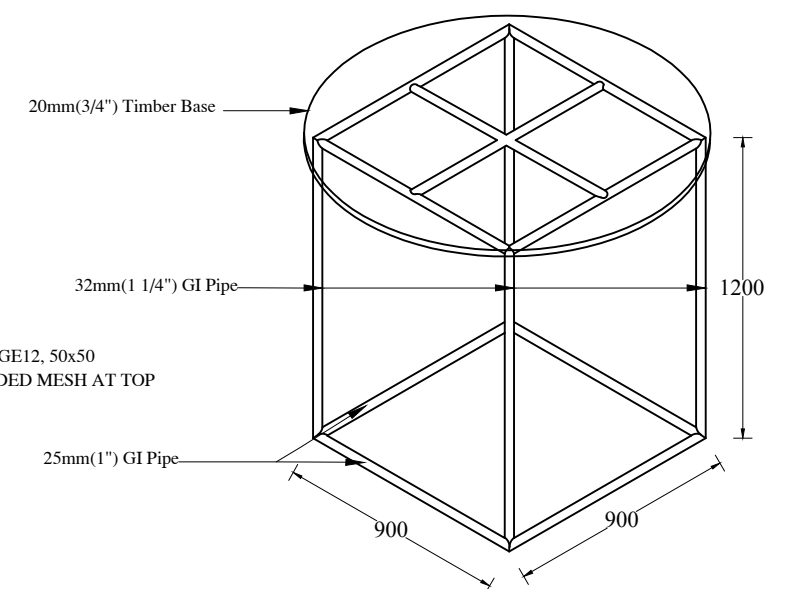
SCHEDULE OF OPENING			
TYPE	DESCRIPTION	SIZE	NOs
D	Fully timber paneled door	750 x 2100	1
D1	Fully timber paneled door	750 x 1200	1



**SECTION Y-Y**



**DETAIL OF SLAB**

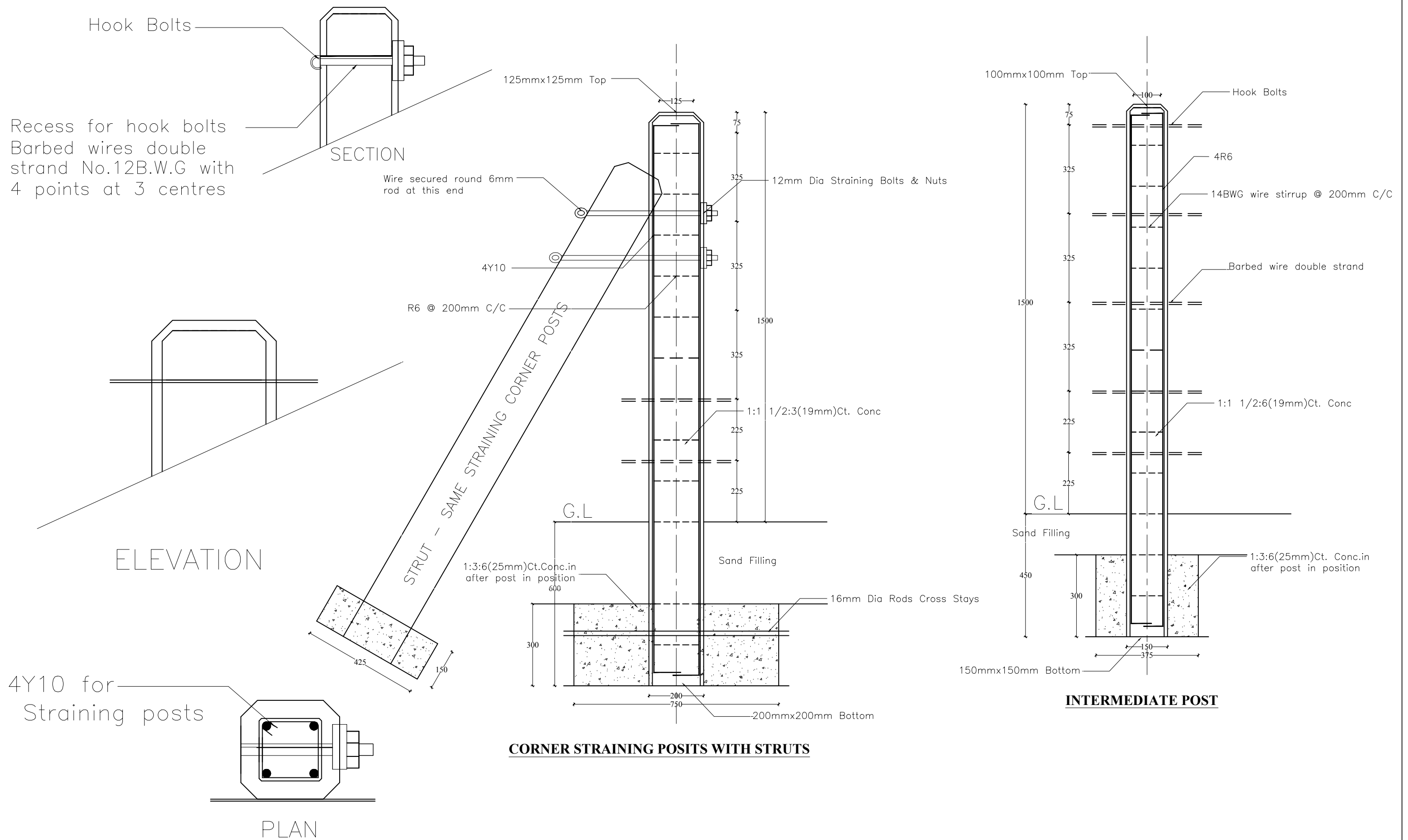


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## CONSTRUCTION OF MILK COLLECTION AND SALES CENTER AT SAMPOOR

DRAWING TITLE	KEY PLAN & DETAILS OF TOILET		
DRAWN	S.M.		
CHECKED	A.T.		
DATE	04.07.2018		
SCALE	N.T.S.		
DRAWING NO	UNDP/TM/MCSC/SP/T/001	REV. NO	



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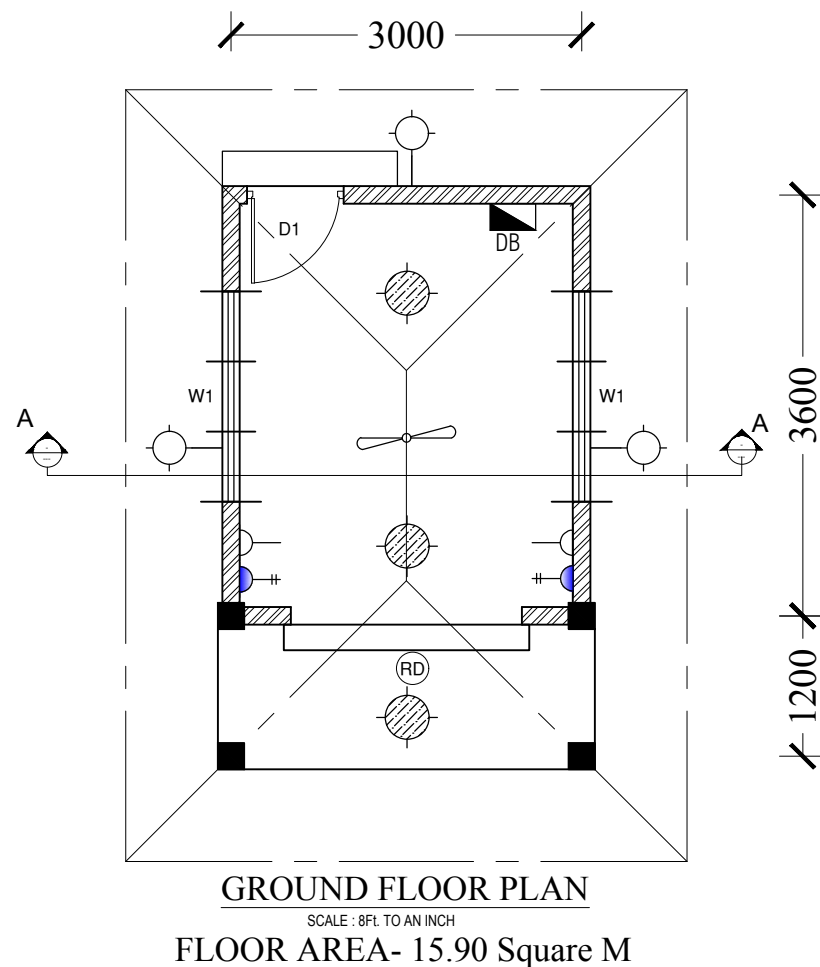
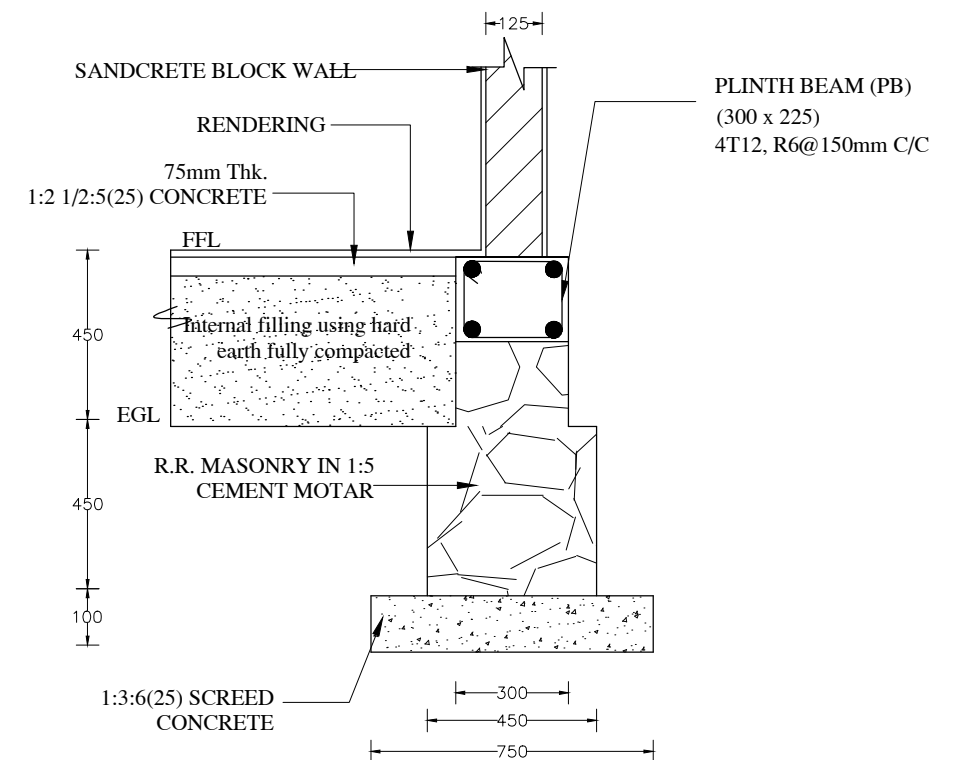
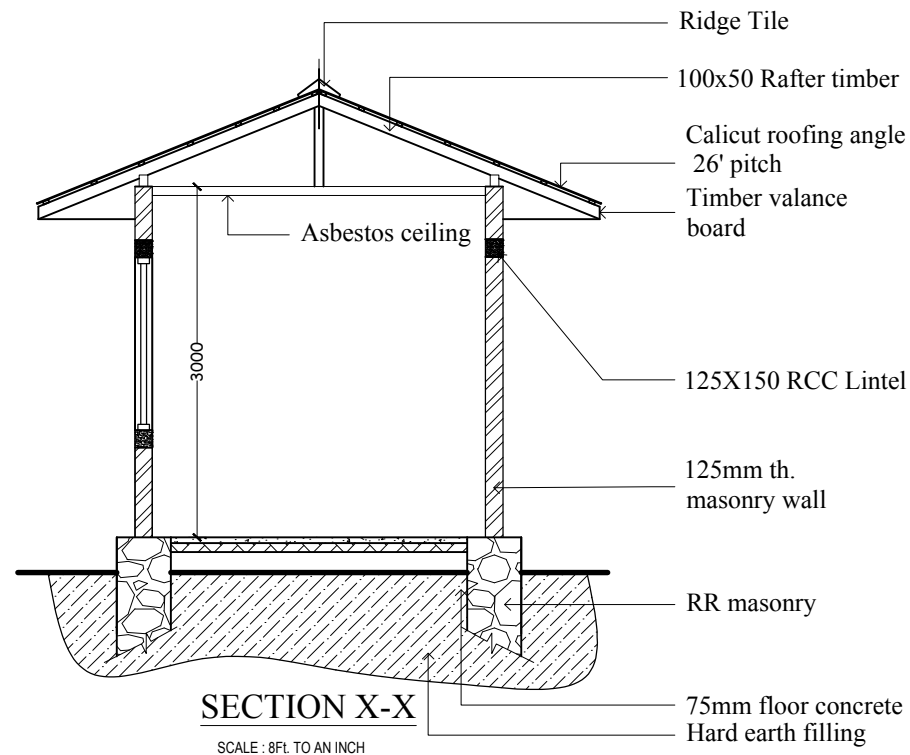
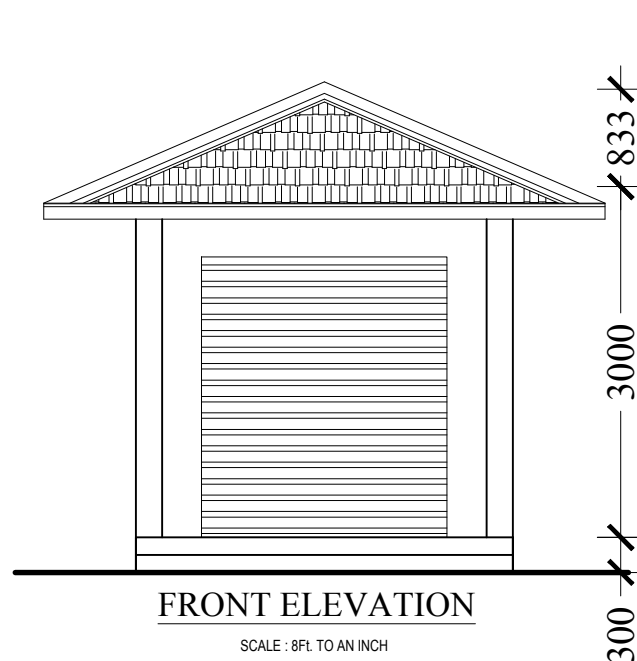
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## CONSTRUCTION OF MILK COLLECTION AND SALES CENTER AT SAMPOOR

DRAWING TITLE	DETAIL OF FENCE POST & CORNER POST		
DRAWN	S.M		
CHECKED	A.T.		
DATE	04.07.2018		
SCALE	N.T.S.		
DRAWING NO	UNDP/TM/MCSC/SP/FE/001	REV. NO	

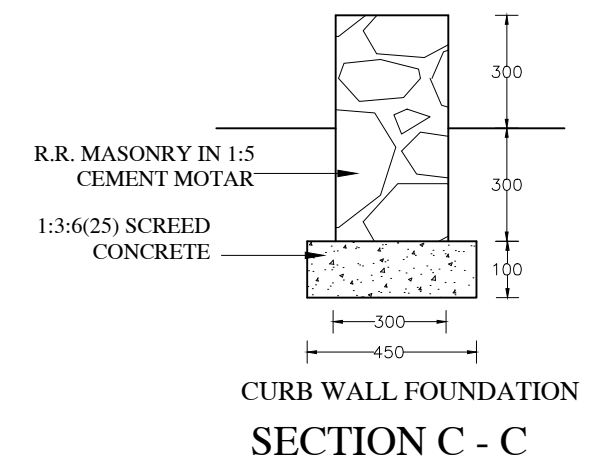
## **LIST OF DRAWINGS - PATTALIPURAM**

- |  |                         |
|--|-------------------------|
| 1. KEY PLAN                              | - UNDP/TM/MCC/PP/AR/001 |
| 2. LAYOUT & DETAIL OF WALL FOUNDATION    | - UNDP/TM/MCC/PP/SD/001 |
| 3. LAYOUT & DETAIL COLUMN & FOOTING      | - UNDP/TM/MCC/PP/SD/002 |
| 4. LAYOUT & DETAIL OF ROOF BEAM & LINTEL | - UNDP/TM/MCC/PP/SD/003 |
| 5. DETAIL OF ROOF TIMBER FRAME WORK      | - UNDP/TM/MCC/PP/SD/004 |
| 6. KEY PLAN & DETAILS OF TOILET          | - UNDP/TM/MCC/PP/T/001  |
| 7. DETAIL OF FENCE POST & CORNER POST    | - UNDP/TM/MCC/PP/FE/001 |



	26W CFL Ceiling Mount Down Lamp
	20W CFL Wall Braket (IP 65weather proof)
	(13A) Socket Outlet
	(5A) Socket Outlet
	Distribution Board
	Ceiling Fan (1400 mm Sweep)

SCHEDULE OF OPENING			
TYPE	DESCRIPTION	SIZE	NOs
D1	Timber pannel Door fix glass on top	1050 x 2400	01
RD	Roller door	2100 x 2700	01
W1	Timber Pannel Glazed window fix glass on top	1800 x 1950	02



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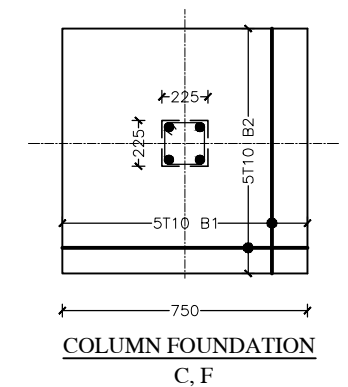
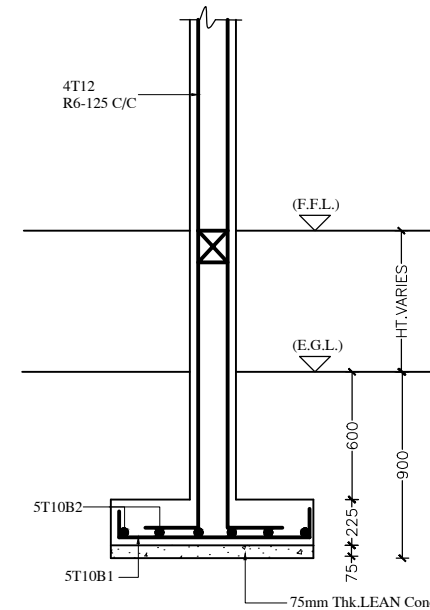
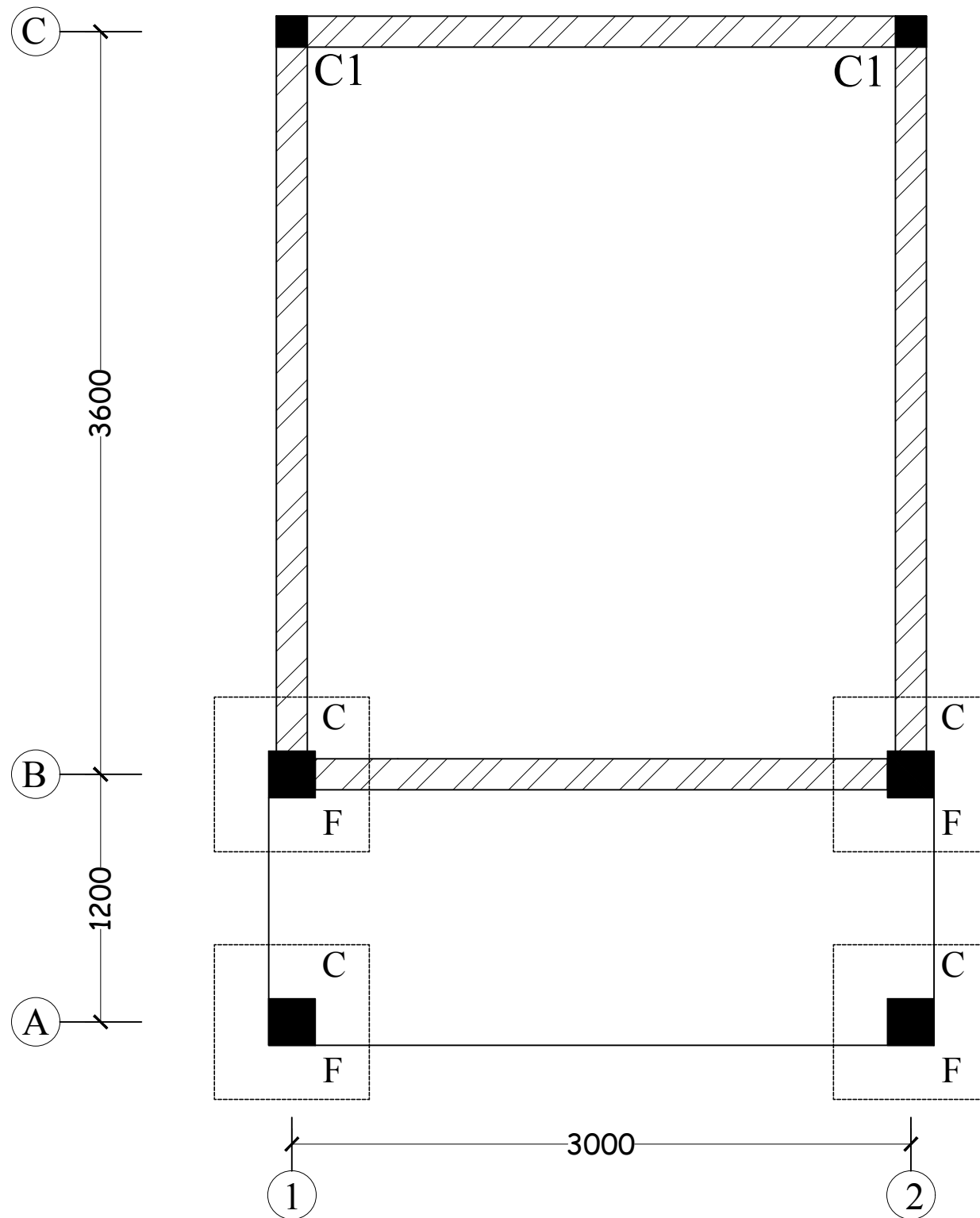
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## CONSTRUCTION OF MILK COLLECTION CENTRE AT PATTALIPURAM.

DRAWING TITLE	KEY PLAN		
DRAWN	S.M		
CHECKED	A.T.		
DATE	20.06.2018		
SCALE	N.T.S.		
DRAWING NO	UNDP/TM/MCC/PP/AR/001	REV. NO	







### COLUMNS

C	225 225	4T12 R6@125 C/C	UPTO ROOF
C1 stiffener column	125 125	4T10 R6@150 C/C	FROM PLINTH BEAM TO ROOF

### FOOTINGS

F	750x750x225	T10 @ 150 BOTH WAYS
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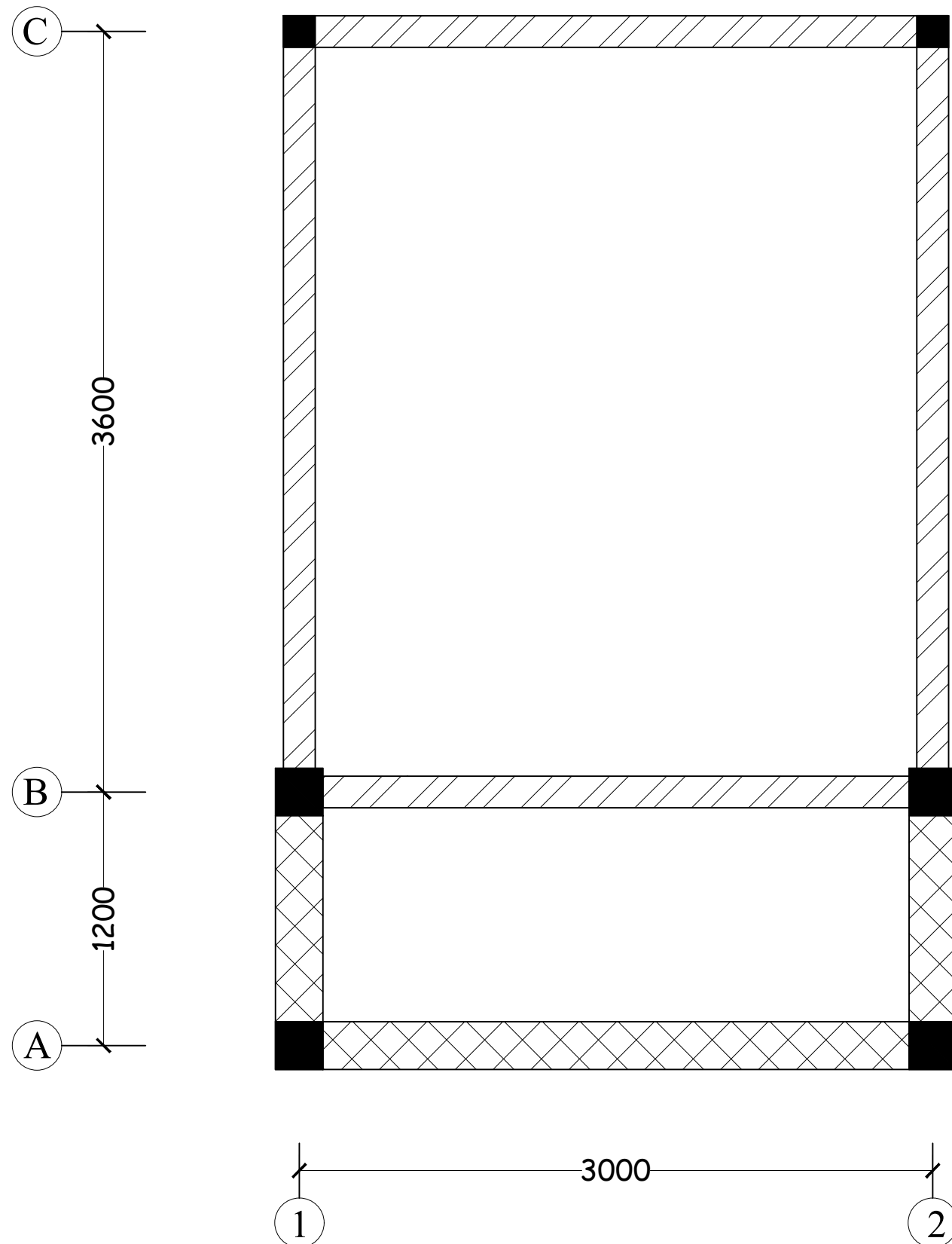


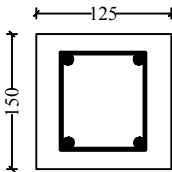
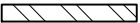
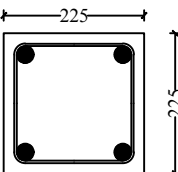

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## CONSTRUCTION OF MILK COLLECTION CENTRE AT PATTALIPURAM.

DRAWING TITLE	LAYOUT & DETAILS OF COLUMN AND FOOTING		
DRAWN	S.M		
CHECKED	A.T.		
DATE	20.06.2018		
SCALE	N.T.S.		
DRAWING NO	UNDP/TM/MCC/PP/SD/002	REV. NO	



DETAIL OF LINTEL	TYPE OF LINTEL	BOTTOM LEVEL @ (from FFL)
 4T10, R6@150 C/C		2400mm
 2T16 TOP 2T12 BOTTOM R6@125 C/C		2700mm

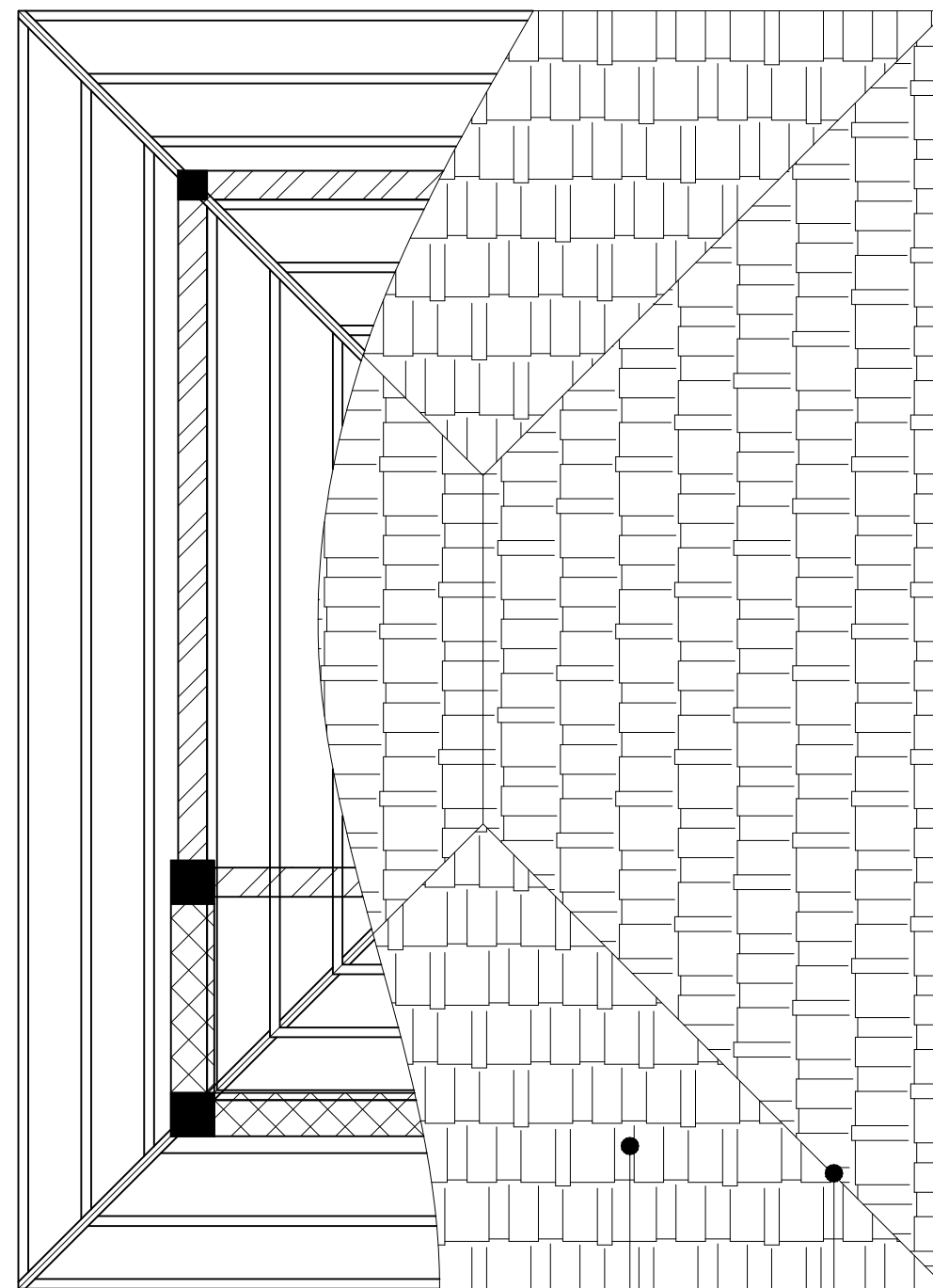
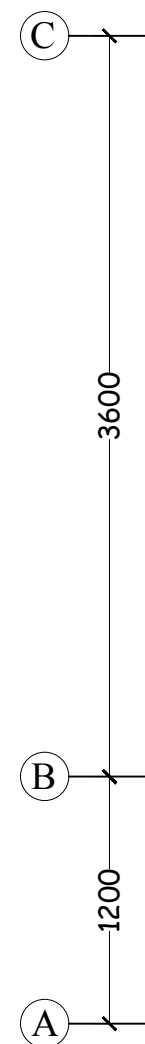
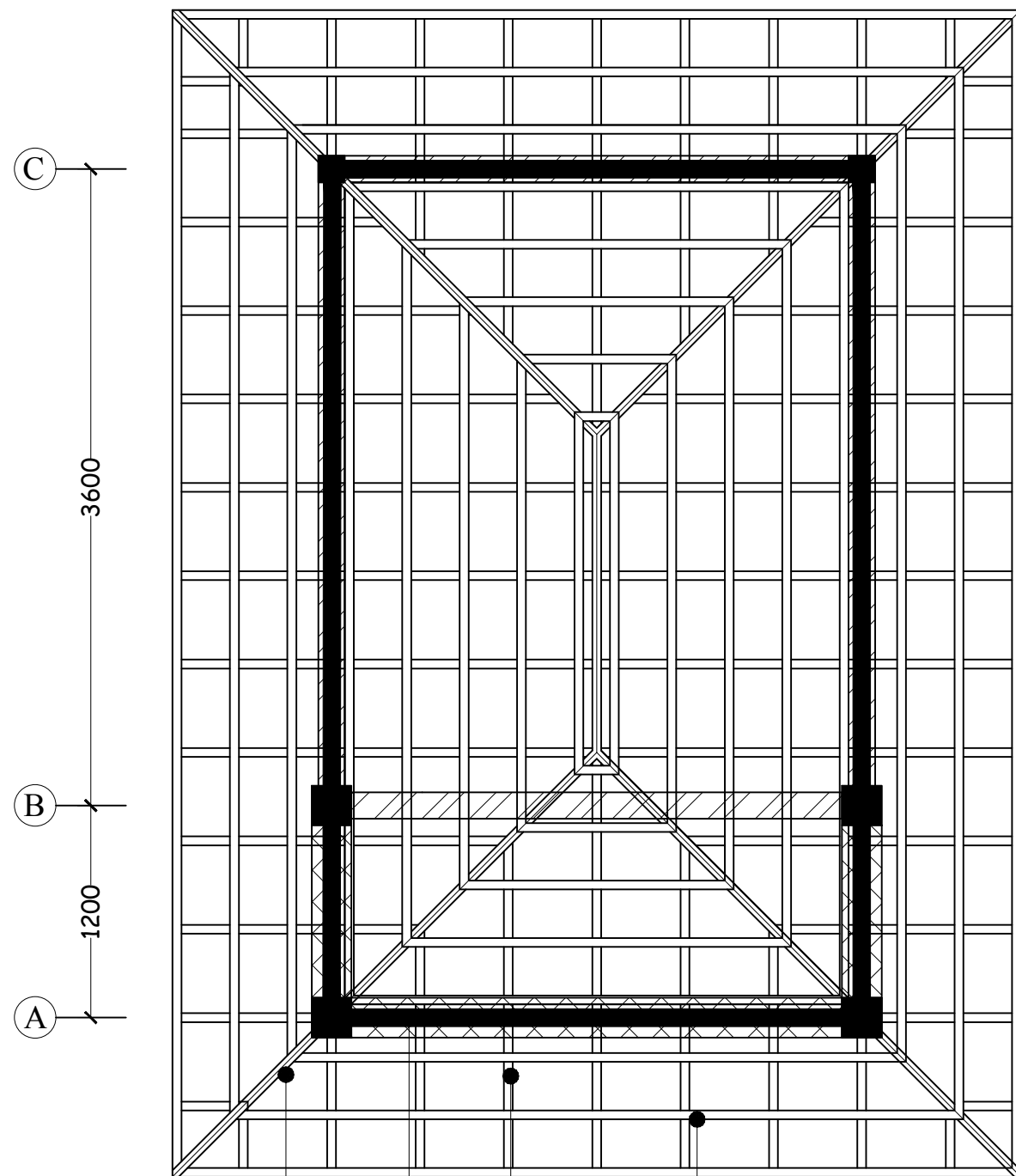


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CONSTRUCTION OF MILK COLLECTION CENTRE  
AT PATTALIPURAM.

DRAWING TITLE	LAYOUT OF ROOF BEAM & LINTEL		
DRAWN	S.M		
CHECKED	A.T.		
DATE	20.06.2018		
SCALE	N.T.S.		
DRAWING NO	UNDP/TM/MCC/PP/SD/003	REV. NO	



1 3000 2

50 x 25 mm Reaper 275mm  
50 x 100 mm Rafter 500mm  
75x100 mm Wall Plate  
50 x150 Hip Rafter

1 3000 2

Ridge Tile  
Calicut roofing tile

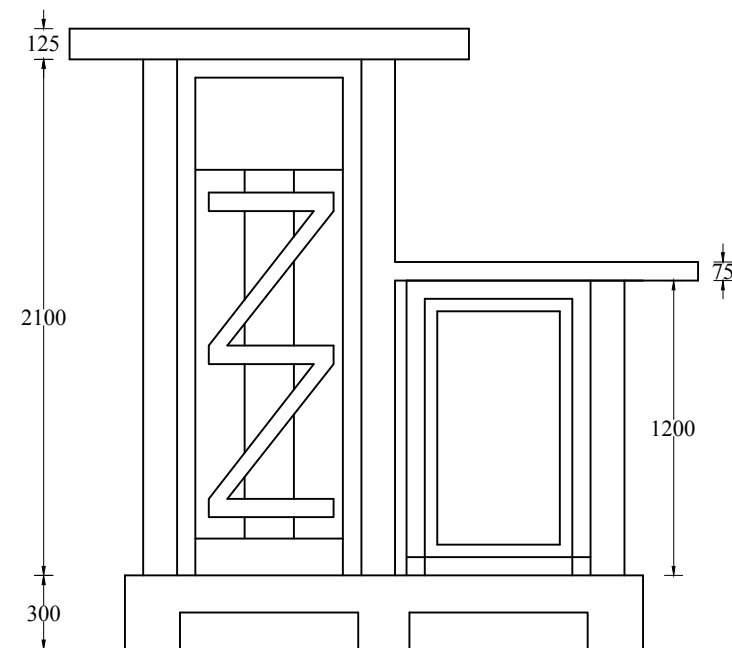


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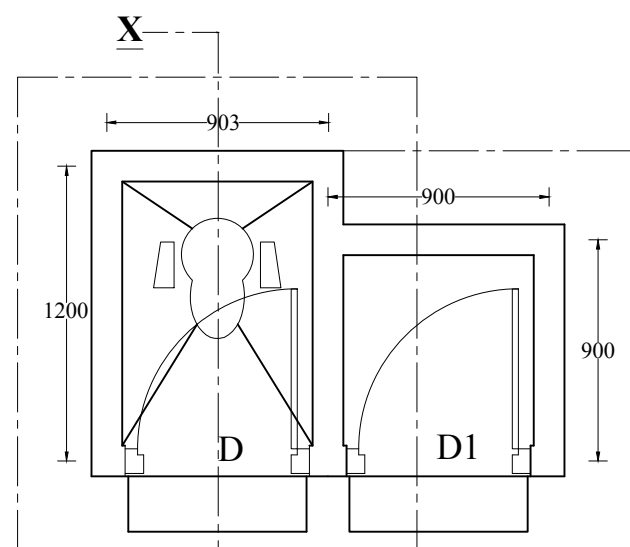
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## CONSTRUCTION OF MILK COLLECTION CENTRE AT PATTALIPURAM.

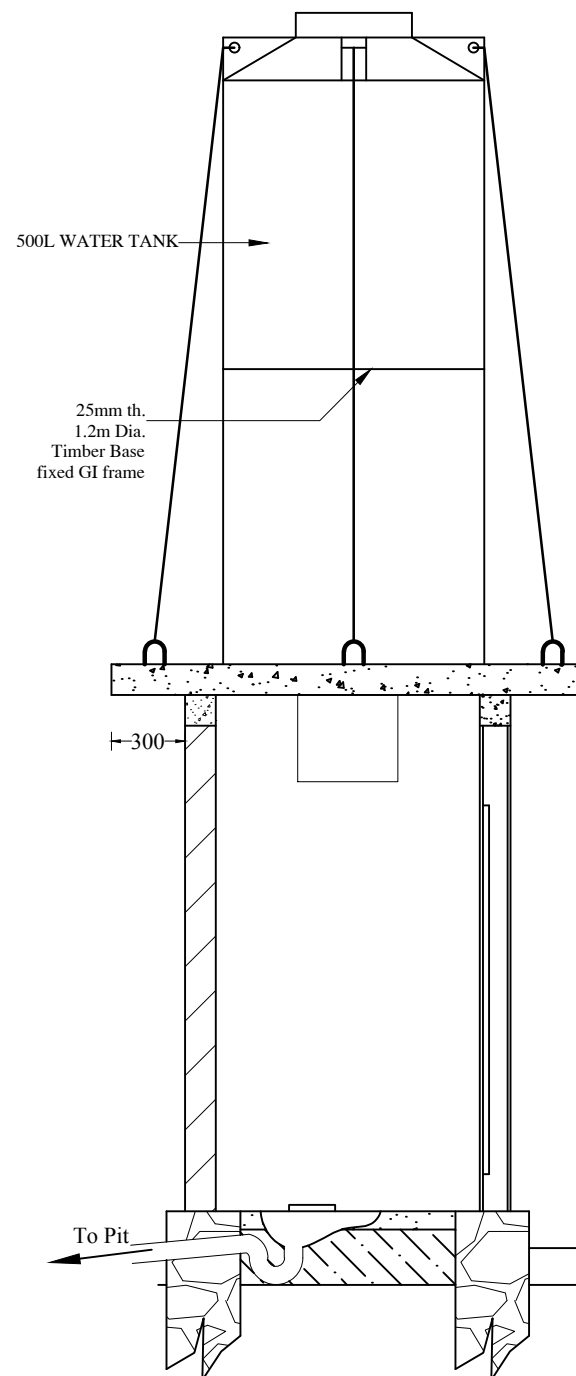
DRAWING TITLE	LAYOUT OF ROOF TMBER FRAME WORK.		
DRAWN	S.M		
CHECKED	A.T.		
DATE	20.06.2018		
SCALE	N.T.S.		
DRAWING NO	UNDP/TM/MCC/PP/SD/004	REV. NO	



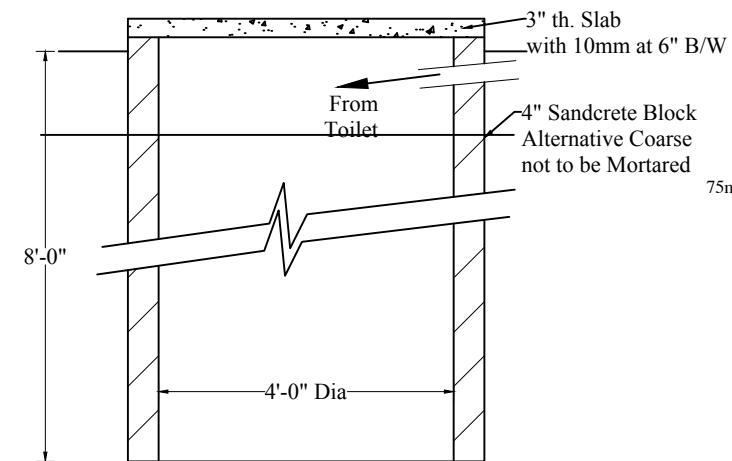
**ELEVATION**



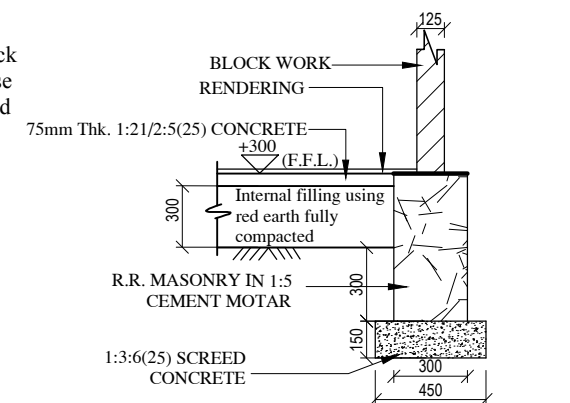
**PLAN**



**SECTION ON X-X**

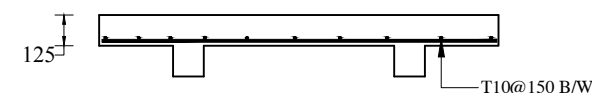


**DETAIL OF PIT  
CIRCULAR**

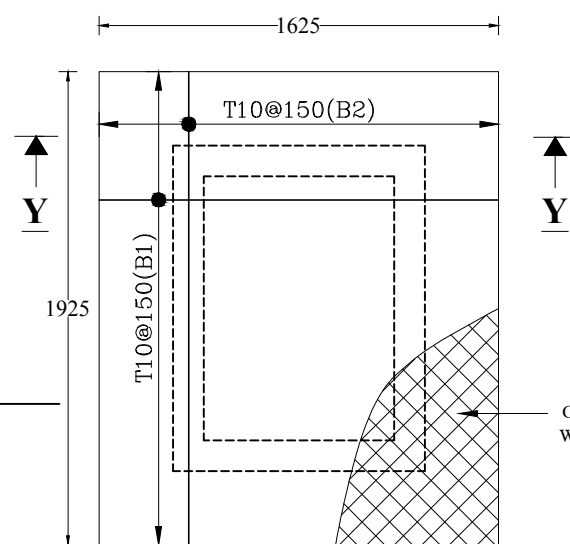


**WALL FOUNDATION**

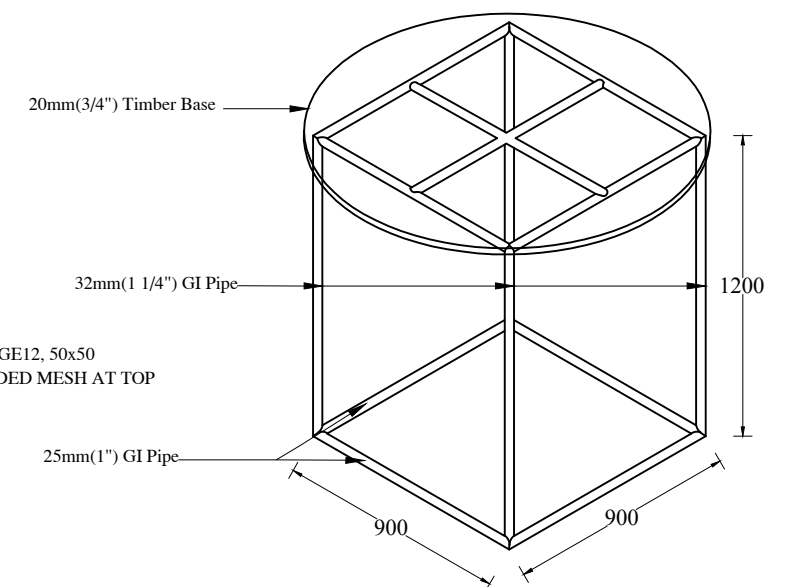
SCHEDULE OF OPENING			
TYPE	DESCRIPTION	SIZE	NOs
D	Fully timber paneled door	750 x 2100	1
D1	Fully timber paneled door	750 x 1200	1



**SECTION Y-Y**



**DETAIL OF SLAB**

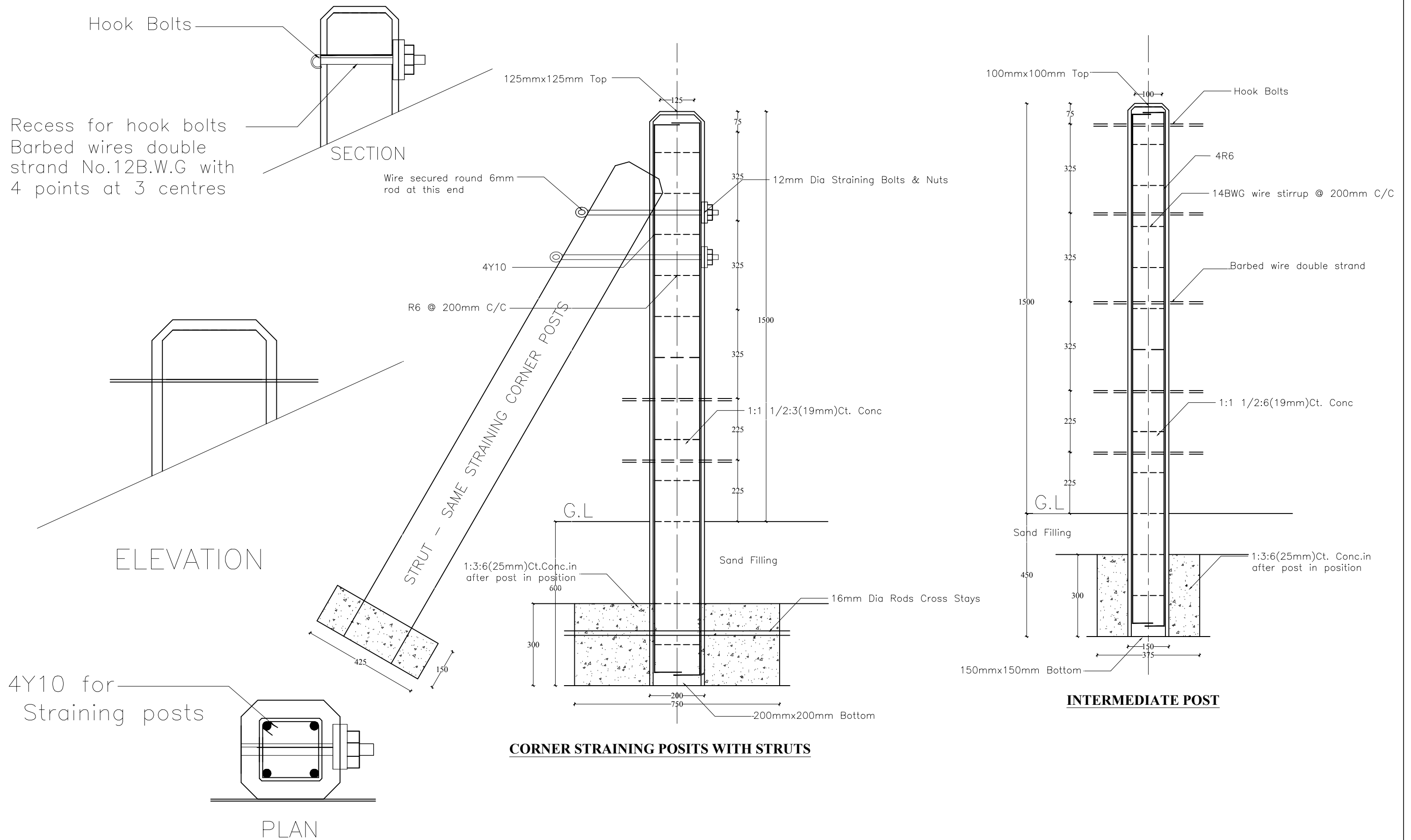


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## CONSTRUCTION OF MILK COLLECTION CENTER AT PATTALIPURAM

DRAWING TITLE	KEY PLAN & DETAILS OF TOILET		
DRAWN	S.M.		
CHECKED	A.T.		
DATE	04.07.2018		
SCALE	N.T.S.		
DRAWING NO	UNDP/TM/MCC/PP/T/001	REV. NO	



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## CONSTRUCTION OF MILK COLLECTION CENTER AT PATTALIPURAM

DRAWING TITLE	DETAIL OF FENCE POST & CORNER POST		
DRAWN	S.M		
CHECKED	A.T.		
DATE	04.07.2018		
SCALE	N.T.S.		
DRAWING NO	UNDP/TM/MCC/PP/FE/001	REV. NO	