



Empowered lives.
Resilient nations.

INVITATION TO BID

Implement Construction Works

(ITB/GLED/12/2015)

UNDP is the UN's global development network, advocating for change and connecting countries to knowledge, experience and resources to help people build a better life. We are on the ground in 166 countries, working with them on their own solutions to global and national development challenges. The Governance for Local Economic Development Programme (GLED) is UNDP Sri Lanka's new flagship programme for strengthening governance capacities at District, Divisional and Provincial levels and improving socio-economic opportunities in vulnerable regions in the country.

GLED will focus on increasing the capacity of sub-national level governance institutions, civil society, the private sector and communities in order to foster access to enhanced public sector service delivery, socio-economic development, and social cohesion across the identified lagging regions, while securing the transition from recovery to development in the North and East. The Programme will help communities increase their production and "value-added" capacities and make use of productive infrastructure, new technologies and knowledge. Strengthened engagement with the private sector will increase the sustainability of livelihoods initiatives. Given the sub-national variations in Sri Lanka's human development index, GLED offers a comprehensive and targeted response.

To this effect, UNDP in Sri Lanka invites eligible National and or International Civil Work contractors meeting the respective minimum level of ICTAD registration in Building to submit Bids for the following LOTs on an *urgent basis*.

Lot Number	Description of Civil Works	Pre-Bid Meeting/Site Inspection	Minimum ICTAD Registration and Experience	Refundable Bid Security (LKR)
Lot 1:	Construction of Seed Processing Center at Uttupulam, Puthumurippu, Kilinochchi KIL/ADP/87392/002/02	Inspection time from 9 am to 12 noon 10 th September 2015 Pre-bid meeting at 2 pm 10 th September 2015 United Nations Development	C6	115,000.00

Lot 2:	Construction of Tourism Promotion Center at Mankulam, Mullaitivu MUL/NLDP III/87392/001/04	Programme, Old Kachcheri, Kilinochchi	C7	50,000.00
Lot 3	Construction of Public Market at Navithanvely, Amapara AMP/SDDP/87393/006/05	Inspection time from 9 am to 12 noon 10 th September 2015 Pre-bid meeting at 2 pm 10 th September 2015 UNDP GLED Project Office, District Secretariat, Ampara	C 7	75,000.00

Eligible Civil Work Contractors are encouraged to bid for each individual LOT or multiple LOTs. Those bidders, who wish to submit Bids to multiple or all LOTS, must show proof of resources, financial capacity through the required level of ICTAD registration and similar projects successfully undertaken for the cumulative bid price. UNDP will NOT accept partial bids within each LOT and such bids will be rejected. Given the multiple and varied geographical locations of each project, sub-project and budget availability, UNDP reserves the right to award contracts to either individual, multiple or all LOTs per bidder.

The Technical Drawings, Bill of Quantity (BOQ), Scope of Works and all solicitation bid documents can be collected free of charge from any of the above UNDP Project Offices or from the below address from **31st August – 16th September 2015** or downloaded free of charge from www.lk.undp.org > Operations > Procurement. All bids must be clearly marked with the respective “Lot Number” on the top left corner of the envelope. Those who wish to bid more than one LOT have to submit the bids in separate envelopes by clearly marking the respective “LOT Number”.

The deadline for submission of the bids is 2.00pm 16th September 2015 Sri Lanka time and all bids must be sealed and delivered to the address below. **All late** offers will be rejected and returned to the bidder unopened. The bids will be opened immediately after the closure of the submission time and bidders are encouraged to participate in the bid opening.

Head of Procurement/Administration

United Nations Development Programme (UNDP)
202-204 Baudhaloka Mawatha
Colombo 07, Sri Lanka.

UNDP reserves the right to accept or reject any bid. The procurement process will be governed by the rules and regulations of the United Nations Development Programme (UNDP).

INVITATION TO BID

Implement Civil Construction Works

ITB/GLED/12/2015

SRI LANKA



United Nations Development Programme

August, 2015

Section 1. Letter of Invitation

SRI LANKA
August 30, 2015

ITB/GLED/12/2015

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/Administration
Procurement.lk@undp.org

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,

Rohana Dissanayake, Head of Procurement

Section 2: Instruction to Bidders¹

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.

¹ 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.

- 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 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/transparencydocs/UNDP Anti Fraud Policy English FINAL june 2011.pdf](http://www.undp.org/about/transparencydocs/UNDP_Anti_Fraud_Policy_English_FINAL_june_2011.pdf) and http://www.undp.org/content/undp/en/home/operations/procurement/procurement_protest/ 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/)

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 SHEET²

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/12/2015
2		Title of Goods/Services/Work Required:	CIVIL WORKS
3		Country:	SRI LANKA
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:	<p>Time: 2.00pm for LOT 1 & 2 Date: 9/10/2015 Venue: United Nations Development Programme, Old Kachcheri, Kilinochchi.</p> <p>Time: 2.00 pm for LOT 3 Date: 9/10/2015 Venue: UNDP GLED Project Office, District Secretariat, Ampara</p> <p>The UNDP focal point for the arrangement is: Mr. Anuradha Pingama Address: 202-204 Baudhdhaloka Mawatha, Colombo 07</p>

² 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 3rd column may be modified by the user. If the information does not apply, the 3rd column must state "n/a" but must not be deleted.

			Telephone: 2 580 691 ext 1330 E-mail: anuradha.pingama@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 115,000.00 for Lot 1 LKR 50,000.00 for Lot 2 LKR 75,000.00 for Lot 3 Form: Bank Guarantee
	B.9.5	Acceptable forms of Bid Security ³	<input checked="" type="checkbox"/> Bank Guarantee (See Section 8 for template) <input type="checkbox"/> Any Bank-issued Check / Cashier's Check / Certified Check
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 type="checkbox"/> Allowed up to a maximum of 20% of contract ⁴ <input checked="" type="checkbox"/> Not Allowed
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
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)
16	B.10.1	Deadline for submitting requests for clarifications/ questions	10 th September 2015

³ 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.

⁴ If the advanced payment that the Bidder will submit will exceed 20% of the Price Offer, or will exceed the amount of USD 30,000, the Bidder must submit an Advanced Payment Security in the same amount as the advanced payment, using the form and contents of the document in Section 10

17	B.10.1	Contact Details for submitting clarifications/questions ⁵	Focal Person in UNDP: Mr. Anuradha Pingama Address: 202-204 Bauddhaloka Mawatha, Colombo 07, Sri Lanka Fax No. : 2 581116 E-mail address dedicated for this purpose: anuradha.pingama@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 or fax
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 : September 16, 2015 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: September 16, 2015 2:30 PM Venue : UNDP, 202-204 Bauddhaloka Mawatha, Colombo 07, Sri Lanka
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	Required Documents that must be Submitted to Establish Qualification of Bidders (In "Certified True Copy" form only)	<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

⁵ 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.

		<i>[check all that apply, delete those that will not be required.]</i>	<p>Secretary, or its equivalent document if Bidder is not a corporation</p> <p><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</p> <p><input checked="" type="checkbox"/> Certificate of Registration of the business, including Articles of Incorporation, or equivalent document if Bidder is not a corporation</p> <p><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</p> <p><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></p> <p><input checked="" type="checkbox"/> Evidences to have the adequate bank credit facilities.</p> <p><input checked="" type="checkbox"/> Evidences to have the sufficient manpower competent to perform the project.</p> <p><input checked="" type="checkbox"/> Evidences to have the required machineries to perform the project.</p> <p><input checked="" type="checkbox"/> Statement of Satisfactory Performance from the Top 3 Clients in terms of Contract Value the past 3 years</p> <p><input checked="" type="checkbox"/> List of Bank References (Name of Bank, Location, Contact Person and Contact Details)</p>
27		Other documents that may be Submitted to Establish Eligibility	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>November 1, 2015</i>
30	C.15.2	Maximum Expected duration of contract	TBN
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 LOTs 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>Award Criteria</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><u>Bid Evaluation Criteria⁶</u></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 team;</p> <p><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;</p> <p><input checked="" type="checkbox"/> Inquiry and reference checking with other previous clients on the quality of performance on ongoing or previous contracts completed;</p> <p><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;</p> <p><input type="checkbox"/> Testing and sampling of completed goods similar to the requirements of UNDP, where available; and</p> <p><input type="checkbox"/> Others <i>[click here to specify]</i></p>
34		Conditions for Determining Contract Effectivity	<p><input checked="" type="checkbox"/> UNDP’s receipt of Performance Bond</p>

⁶ Pls. reconcile and ensure consistency with the contents of the Technical Specifications

			<input type="checkbox"/> UNDP's approval of plans, drawings, samples, etc. <input type="checkbox"/> Others <i>[click here to specify]</i> .
35		Other Information Related to the ITB ⁷	<i>[All other instructions and information not mentioned in DSs 1-33 but are relevant to the ITB must be cited here, and any further entries that may be added below this table row.]</i>

Section 3a: Schedule of Requirements and Technical Specifications

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

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

Section 4: Bid Submission Form⁸

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

Sri Lanka
6/29/2015

To: Rohana Dissanayake, 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.

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

We remain,

Yours sincerely,

Authorized Signature [*In full and initials*]: _____

Name and Title of Signatory: _____

Name of Firm: _____

Contact Details: _____

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

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

Bidder Information Form⁹

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		

⁹ 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.

14. Attached are copies of original documents of:

- ☐ All eligibility document requirements listed in the Data Sheet
- ☐ 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
- ☐ If case of Government corporation or Government-owned/controlled entity, documents establishing legal and financial autonomy and compliance with commercial law.

Joint Venture Partner Information Form (if Registered)¹⁰

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): Click here to enter text.		
1. Brief description of litigation history (disputes, arbitration, claims, etc.), indicating current status and outcomes, if already resolved. Click here to enter text.		

¹⁰ 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.

13. JV's Party Authorized Representative Information

Name: *[insert name of JV's Party authorized representative]*

Address: *[insert address of JV's Party authorized representative]*

Telephone/Fax numbers: *[insert telephone/fax numbers of JV's Party authorized representative]*

Email Address: *[insert email address of JV's Party authorized representative]*

14. Attached are copies of original documents of: *[check the box(es) of the attached original documents]*

- ☐ All eligibility document requirements listed in the Data Sheet
- ☐ Articles of Incorporation or Registration of firm named in 2.
- ☐ In case of government owned entity, documents establishing legal and financial autonomy and compliance with commercial law.

Section 6: Technical Bid Form¹¹

INSERT TITLE OF THE ITB

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

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.

¹¹ *Technical Bids not submitted in this format may be rejected.*

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.

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:

Name:		
Role in Contract Implementation:		
Nationality:		
Contact information:		
Countries of Relevant Work Experience:		
Language Skills:		
Education and other Qualifications:		
Summary of Experience: <i>Highlight experience in the region and on similar projects.</i>		
Relevant Experience (From most recent):		
Period: From – To	Name of activity/ Project/ funding organisation, if applicable:	Job Title and Activities undertaken/Description of actual role performed:
<i>e.g. June 2010-January 2011</i>		
<i>Etc.</i>		
<i>Etc.</i>		
References (minimum of 3):	<i>Name Designation Organization Contact Information – Address; Phone; Email; etc.</i>	
Declaration:		
<p>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.</p> <p>_____</p> <p>_____</p> <p>Signature of the Nominated Team Leader/Member Date Signed</p>		

Section 7: Price Schedule Form¹²

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

The Price Schedule must provide a detailed cost breakdown of all goods and related services to be provided, from unit price to lot prices. Separate figures must be provided for each functional grouping or category, if any.

Any estimates for cost-reimbursable items, such as travel of experts and out-of-pocket expenses, should be listed separately.

The format shown on the following pages is suggested for use as a guide in preparing the Price Schedule. The format includes specific expenditures, which may or may not be required or applicable but are indicated to serve as examples.

A. Cost Breakdown per Deliverable Items*

No.	Deliverables <i>[list them as referred to in the ITB]</i>	Expected Date of Delivery/Completion	Percentage of Total Price	Price (Lump Sum, All Inclusive)
1	Deliverable 1		[Percentage (weight) of each deliverable over the total price for the payment purposes, as per ITB]	
2	Deliverable 2			
3			
	Total		100%	

* This shall be the basis of payment tranches

B. Cost Breakdown by Cost Component:

The Bidders are requested to provide the cost breakdown for the above given prices for each deliverable based on the following format. UNDP shall use the cost breakdown for the price reasonability assessment purposes as well as the calculation of price in the event that both parties have agreed for additional set of goods and/or related services.

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

Deliverables and Sub-Components	(a) Quantity	Country of Origin	(b) Unit Price	(c)=(a)x(b) Total Cost of Goods	Brief Description of Related Services	(d) Cost of Related Services	(c) + (d) Total Price
I. Deliverable 1							
Sub-Component 1							
Sub-Component 2							
Sub-Component 3							
II. Deliverable 2							
Sub-Component 1							
Sub-Component 2							
Sub-Component 3							
III. Other Related Costs							
GRAND TOTAL PRICE							

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.

SIGNATURE AND SEAL OF THE GUARANTOR BANK

Date

Name of Bank

Address

Section 9: FORM FOR PERFORMANCE SECURITY¹³

(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

[Insert contact information as provided in Data Sheet]

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

¹³ 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



**[PLEASE ATTACH HERETO THE .PDF VERSION OF THE CONTRACT THAT
WILL BE USED AND THE GENERAL TERMS AND CONDITIONS]**

Section 3a: Schedule of Requirements and Technical Specifications

PROJECT : CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY

PROJECT REF NO:

3.a.1 Other Documents Applicable at Implementation Process:

Any interpretations not covered under the UNDP template shall be binding vide the standard documentations adopted by the GOSL as listed below.

3.a.1.1 Specifications

<u>Publication No.</u>	<u>Description</u>
SCA/4 (Vol.I)	Specifications for Building Works Vol. (I), Sri Lanka. 3 rd Edition (Revision) July 2004
SCA/4 (Vol.II)	Specifications for Building Works Second Edition (Revised), October 2001
SCA/3/2	Specifications for Water Supply, Sewerage and Storm Water Drainage Second Edition (Revised), August 2000
SCA/8	Specification for Electrical & Mechanical works, Second Edition (Revised), August 2000

3.a.1.2 Method of Measurements – SLS 573

3.a.1.3 Condition of contract : ICTAD/SBD/03

The engineer of the contract is to be nominated by UNDP on award of the contract.

3.a.2.

A. Scope of Work

The Scope of this project is to construct marketing place at Navithanvelli. The proposed Public Market is to be located in Chavalakadai GN division. This Market is maintained by Pradeshasaba Navithanveli. The proposed land is 40 perch in extent. This land is owned by Pradesha Saba Navithanveli.

During the assessment and consultation it has been identified as an urgent need of a medium scale market place which will benefit around 6,000 families and around 20 vendors directly including women sellers and many more people indirectly. Currently there is no such market available for Navithanvelli and people are used to go to Kalmunai for (8 Km away) for selling their products and purchasing the consumables. Normally more than 1500 customers are expected to visit the place on daily to purchase their day to day requirements

The main building technical expectations are:

1. Construction of 5 shops
2. Open market for fruit & vegetable
3. Separate area for fish and meat market with necessary structural arrangements
4. Fencing the market premises
5. Water tank and water source (due to salinity issue in the ground water, it is proposed to go for expected water supply from the National Water Supply Board and until then Pradeshiya Sabha Navathanvelli has agreed to provide water by bowsers to the site).
6. Earth filling, watering and compacting with approved quality gravel.
7. Ventilation factor to be considered
8. Painting – one coat of approved quality wall primer and two coat of approved quality enamel paint to new walls after applying lime putty
9. Sanitary facilities as appropriate with a water source
10. General expectations

Water sanitation plan and water storage have to be planned with an ecofriendly waste management means.

Access to differently abled and national safety /disaster reduction protocols to be considered

The recommendations of the Central Environmental Authority, Ministry of Health, need to be considered and adhered in the structural and architecture planning.

National energy conservation guidelines have to be incorporated.

The landscaping need to be focused taking into consideration of land topography and other climatological and ecological factors

Maximum Expected duration of contract –**05 months**

General Topography of the locality and other information:

Public and other transport access means are readily available to the site.

Tamil and Muslim communities are living the division.

Main livelihood of the people in this area is agriculture.

Electricity is national grid with main supply is close by.

There is no any water source at the moment to the proposed construction site.

3.a.3 PRICING PREAMBLES

3.a.3.1 GENERAL

1. The bidder should allow against the items or in the prices for everything contained in this Bill of Quantities which has a monetary value.
2. Lump sums shall not be given where unit rates are applicable.
3. Unit rates and extensions shall be given in Sri Lankan Rupees (SLR) to a maximum of two places decimals.
4. The various documents collectively referred to herein as the Bills of Quantities jointly constitute the Bill of Quantities referred to in the Conditions of Contract.
5. The method adopted in the preparation of bills of quantities shall be adopted for re-measurement of completed works.
6. Works have been measured net as fixed in position and each measurement shall be taken to the nearest 10millimeters.
7. Items in the preamble section of this bill of quantities are deemed to qualify and to form part of every description of measured work to which they refer including composite items.
8. The Contractor shall not use this-Bill of Quantities as a Construction programme or for the purposes of ordering materials or arranging Sub-Contracts. The references for these activities shall be the drawings, specifications and instructions issued by the Engineer.
9. The descriptions in the Bills of Quantities are for identification purposes only and the Contractor is referred to the Drawings, Specifications and Schedules for complete information regarding all relevant descriptions, quality, dimensions, capacities, design parameters and the like.

10. These pricing preambles are a standard and comprehensive set and hence may exceed the requirements of this particular project.

11. The Quantities given in the Bill of Quantities are estimated only and are intended to give an indication of the extent of the work to be carried out. Payment will however be made on Measure and pay basis.

12. The Quantities set out in the Bill of Quantities are provisional and cover the approximate scope of the work, which is anticipated to be performed by the Contractor.

13. The rates and prices entered in the Bill of Quantities shall, except in so far as it is otherwise provided under the Contract include cost of all constructional plant, supervision, materials erection and maintenance, duties/levies together with all general risks, liabilities and obligations as set out or implied in the Contract.

14. The rate or price shall be entered against each item in the Bill of Quantities, whether quantities are stated or not. The cost of items against which Contractor has failed to enter rate or prices shall be deemed to be covered in other rates and prices in the Bill of Quantities.

15. The whole cost of complying with the provisions of the Contract shall be included in the items provided in the Bill of Quantities and where no items are provided the cost shall be deemed to be distributed among the rates and prices entered for the related items of work.

16. General directions and descriptions of work and materials are not necessarily repeated nor summarized in the Bill of Quantities. Reference to the relevant sections of the Contract Document shall be made before entering prices each against item in the priced Bill of Quantities.

17. Provisional sums included and so designated in the Bill of Quantities shall be expended in whole or part at the direction and discretion of the Engineer in accordance with the stipulation made under General Conditions of Contract and/or Particular Conditions of Contract.

18. Where the determination for payment purposes of the quantity of any item of work depends upon the measurement of existing features or ground levels and the like, then prior to carrying out any operations which might affect such measurement, the Contractor shall first take such levels and measurements as the Engineer may direct and, after the Engineer has had the opportunity to check the same, they shall be certified as agreed by both the Engineer and the Contractor. In the event that the Contractor fails to observe the above procedure, the Engineer shall determine the quantity to be assumed for payment purposes using the best information available to him, and his decision in the matter shall be final.

19. Tenderer should visit the site and acquaint themselves with all existing conditions, the nature and extent of work to be done under this contract ascertaining the conditions governing access to the site, the extent of work and accordingly include for, in their prices

20. The following abbreviations are used in the Bill of Quantities and shall carry the meanings as listed hereunder:

Sq.ft - Square feet

cm	- Centimetre
L.Ft	- Linear feet
Sqrs	- Squares
Mm	- Millimetre
m	- Liner meter
m ²	- square meter
m ³	- cubic meter
kg	- Kilogram
t	- metric ton
pr	- Pair
nr	- Number
hr	- Hour
P.S.	- Provisional sum
BOQ	- Bills of Quantities
BS	- British Standard

Prices also deemed to include:

1. Rate shall be comprehensive and include for the following:
 - a) All obligations imposed by the Contract.
 - b) Complying in every respect with the requirements and the consideration of the specifications and drawings.
 - c) All considerations arising from the definitions incorporated into each preamble section.
 - d) Labour for fixing and all associated costs.
 - e) Materials and goods & all associated costs.
 - f) Fixing and or fixing materials and goods in any position, hoisting to any height.
 - g) Use of scaffolding, plant, equipment and tools
 - h) Any additional labour usually associated with measured items.
 - i) All necessary protection of the works, removing all casings and temporary coverings and making good and clearing away upon completion.
2. All measurements are net and the rates shall include for laps, waste, working space and trade or traditional allowance.
3. The pricing of materials shall take account of the following:
 - a) Pricing Preambles, Drawings and Specifications shall apply reciprocally between sections of the works unless otherwise described.
 - b) Materials shall be of the best quality available unless otherwise described.
 - c) All materials shall be transported, handled, stored and fixed in accordance with the printed instructions or recommendations of their manufacturer or suppliers.
 - d) Protection of completed work, all casing and temporary coverings and making good and clearing away upon completion. Building paper, damp proof membrane, quilts and all non-rigid sheet materials shall include cutting or forming holes and notchings and-extra labour of turning up at edges and the like.
4. Duct shall include draw wires.
5. Holes, mortices, pockets, grooves, chases and the like and items described as "built in" and "cast

in" shall include making in its fullest sense and through, around, into, over and up to the items concerned. '

6. Items described as "cut" shall include general making good similarly.

7. Where the word "allow" is used the cost of the items shall be the responsibility of the Contractor.

8. The Contractor shall obtain from all sub-contractors (where nominated or not) their requirements for all recesses, chases, holes and the like in order that they may be built in or formed as the work proceeds. No additional charges shall be allowed for cutting recesses, chases and holes and the like after the construction of the works.

9. In the event of their being any discrepancies between details on drawings, descriptions in specifications and descriptions in the bills of quantities then the rates and pricing shall be deemed to relate to the documents order of precedence set out in the Form of Agreement.

10. The amounts set against any items of profit shall include for all costs in connection with letters of credit, bank charges, interest charges and insurance after the materials come under the control of the Contractor.

11. The contractor should leave the whole of the works ready for immediate occupation to the satisfaction of the Engineer including the following:

- a) Cleaning and touching up the buildings both inside and out, leaving all surfaces free of cracks, blemishes or splashes.
- b) Easing, oiling and adjusting and making good of finishes to all fittings, doors, windows, ironmongery and the like.
- c) Cleaning and polishing all marbles, glasses, anodized aluminium and sanitary ware, including the removal of all protective coverings, paint splashes and the like. Replacement of all or any chipped, cracked or broken items.
- d) Balancing of air conditioning installation where applicable
- e) Removal of rubbish, debris or excess spoil from the site area and raking over and cleaning all unused parts of the site area.

Fix Only:

The expression "fix only" used in these Bills of Quantities means that the Contractor shall provide the following facilities:

- a) Fixing shall be understood to include unloading, storing, distributing and hoisting the goods and materials.
- b) Supplying full size templates, giving and "marking dimensions and taking responsibility for their accuracy.
- c) Getting in, protecting, handling, distributing and placing in position and assembling as required.
- d) Casing-up and protection, including clearing away protection on completion of the works including sub-contractors' works
- e) Full costs of replacement of any items, which are damaged, broken, lost or stolen after the acceptance of the items from the supplier or Employer and until handing over the complete works.
- f) Other necessary and usual facilities and documentation.

Supply Only:

The expression "Supply only" used in these Bills of Quantities means that the Contractor is provide for everything as defined in relevant method of measurement in connection with such items .except fixing in position. Supply only" shall further include:

- a) Labour and all associated costs
- b) Materials, goods and all associated costs
- c) Provision of plants
- d) Temporary works
- e) Establishment charges, overheads and profits

3.a.3.2 SITE-PREPARATION:

3.a.3.2.1 Extent of site clearing shall be determined by the Engineer. No payment shall be made for additional quantities unless the Engineer expressly required.

3.a.3.2.2 No trees shall be removed without consent of the Engineer.

3.a.3.3 EXCAVATION & EARTHWORKS

3.a.3.3.1 Prices also to include:

Rates for excavation shall be deemed to include for the following.

- a) Excavating by whatever means are necessary including hand excavation in any kind of ground except rock and boulder rock.
- b) Leveling bottom of excavations.
- c) Trimming or grading ground to produce level surfaces or surfaces to falls or slopes.
- d) Compacting to bottom of excavation and to filled surfaces
- e) Keeping free from water including any dewatering as necessary.
- f) Any hand excavation required around existing services or the like.
- g) Testing the bottom of excavations for foundations as instructed.
- h) Testing compaction on filled surfaces where necessary
- i) Backfilling with selected excavated material unless measured otherwise.
- j) Removing surplus excavated material from the site and dumping at approved location. Contractor shall arrange and obtain necessary permission from relevant authorities for disposal and dumping of earth.
- k) Contractor shall provide' due protection to avoid any damages to temporary work, any new or old structures during excavation.
- l) Necessary Planking and strutting
- m) Working space if required
- n) Bulking after excavation.
- o) Excavating at any height or any depth

3.a.3.3.2 The rates for excavation of trenches for services, pipes or drain pipes shall include for deepening and widening as necessary to enable the barrels of pipes, ducts, etc., to rest on firm ground and to facilitate jointing:

3.a.3.3.3 The rates for items of imported fillings, graded gravel fillings etc, shall include for:.

- a) Leveling and compacting as required by the specification
- b) Grading to slopes and falls
- c) Special compacting to form vertical or battering faces
- d) Forming sinking

3.a.3.3.4 Volume of excavation for pile cap shall be measured as shown in drawings, but deduction shall be made for the volume, already excavated for pile hacking under previous contract.

3.a.3.3.5 The rate for filling with excavated material is deemed to include for using existing excavated material at the site.

3.a.3.3.6 Excavating top soil is carried out, if the Engineer expressly required only.

3.a.3.3.7 Contractor shall provide 10 years guarantee for anti-termite treatment.

ROCK EXCAVATION

Rates for rock excavation shall be strictly as per specifications and to be priced accordingly.

Rates for rock excavation shall include for whole process as per specifications and leveling of the bottom etc., by using approved equipment.

The contractor shall forward the method statement and obtain prior approval from the Engineer.

Rate shall include for cart away weathered rock to waste as directed.

Useful hard rock can be used for construction work with price adjustment, or delivered to the officer in charge.

3.a.3.4.1. DISPOSAL OF EXCESS MATERIAL

All excess material shall be disposed as directed by the Construction Supervisor in Charge. Unsuitable material that is excavated shall be removed from the site. All dumped excess material shall be spread in a manner not to interfere with the drainage pattern of the area and affect other local environment. Plantation and other necessary measures shall be taken after the proper disposal of excess materials at a specified disposal area to protect the environment.

3.a.3.4.2. BORROW EXCAVATION

This work shall consist of excavation of suitable materials from approved borrow areas, including those within the right-of-way for the construction of embankments.

During borrow excavation the borrow areas shall be kept drained as far as possible and all necessary precautions shall be taken to prevent any erosion or interference with existing drainage facilities. Borrow operations should be carried out in a manner not to affect the stability or safety of any structure or cause any other damage to adjacent property.

The working of borrow areas within the right-of-way shall be subject to the approval of the Technical Agent. No borrowing shall be done below the level of the toe of the embankment. All suitable material removed from borrow sources shall be used as directed. On completion of borrow operations, borrow area shall be left in a neat condition with proper drainage.

3.a.3.5. EMBANKMENT CONSTRUCTION (ROAD FILL)

This work shall consist of the construction of embankment with approved material obtained either from the excavation of the roadway, borrow pits or other sources.

Materials

Embankment material shall be suitable material soil having a maximum dry density under standard conditions of compaction not less than 1500 kg/m³.

All suitable material available from the roadway and other excavation shall be used for embankment construction. Where additional material is necessary they shall be obtained from approved borrow pits or other approved sources. The embankment shall be set put as required. The pegs or stakes showing the limits of embankment shall be fixed a suitable distance outside the actual limits of the fill.

The embankment material shall normally be placed in layers not exceeding 225 mm loose thickness, for compaction using 8-10 tonne smooth wheel roller. The embankment fill shall be compacted at or near the optimum moisture content.

The moisture content of the material shall be checked at the time of compaction and at the rate of one test per 500 sq.m. of surface. If the material is too wet it shall be dried by aeration and if it is too dry the material shall be sufficiently wetted prior to compaction. Each successive layer shall be placed only after the degree of compaction of previous layer has been tested and found satisfactory. In the alternative each successive layer has been compacted using a specified number of passes of the roller as had been determined by field trails. Rolling shall commence at the edges and proceed towards the centre, except at super-elevated sections where the rolling shall commence at the lower edge and proceed towards higher edge.

Degree of compaction of Embankment Fills

The top 300 mm of the embankment shall be compacted to density not less than 100% of the maximum dry density and the lower layers of embankment and the embankment foundation shall be compacted to a density not less than 95% of the maximum dry density as determined by the standard compaction test specified.

In the alternative, the degree of compaction shall be assessed by the number of passes of the roller. However, random tests shall be carried out to determine whether the specified degree of compaction has been achieved. If the result of any test shows that the density is less than what is required, further compaction may be carried out.

3.a.3.6. GRAVELLING OF ROAD

This work shall consist of the gravelling of roads.

The materials used shall be gravelly soil.

Grading requirements for soils for gravel surfacing is given below;

Seive Size mm	m	Percentage Passing
37.5		100
19		75 - 100
4.75		40 - 100
2.36		30 - 80
	600	18 - 50
	75	5 - 25

Consistency limits for soils for gravel surfacing is given below;

Climatic Zone	Liquid Limit	Plasticity Index
Wet zone	Less than 40	4 – 15
Dry zone	Less than 50	6 - 25

The following shall be carried out prior to gravelling

The embankment to be gravelled, shall be cleared of all extraneous matter and the surface irregularities such as potholes, ruts and depressions corrected as required. Places of failure shall be examined for the cause of failure and corrected suitably either by excavating and filling of by filling over as appropriate. Any loose material requiring removal shall be removed. The surface shall be graded and recambered. The surface shall be moistened before the placement of new gravelly soil.

The gravel shall be spread over the prepared embankment to a uniform thickness, which will give the required thickness when compacted.

The gravel shall be compacted , by using a 8-10 tonne steel wheeled roller, at or near the optimum moisture content. The moisture content of the material shall be checked at the rate of one test per 500 sq.m. of surface. If the material is too wet it shall be dried by aeration and if it is too dry water shall be sprinkled and mixed uniformly prior to compaction. Rolling shall commence at the edges and proceed towards the centre, except at super elevated sections of the road where the rolling shall commence at the lower edge and proceed towards the higher edge. The rolled surface shall be checked transversely and longitudinally with straight edges and camber boards and any irregularities corrected by loosening the surface, adding or removing necessary amount of gravel, and re-compacting the same until the entire surface conforms to desired camber and grade. The gravel shall be compacted to at least 100 percent of the maximum standard dry density of the materials as determined by the standard compaction tests carried out, three tests for a kilo metre road length.

3.a.3.7. PIPE CULVERTS

This work shall consist of supplying, jointing, bedding of reinforced concrete pipes of the required type, diameter and length in the construction of culverts. The work also includes the construction of headwalls, wingwalls and other ancillary items necessary for completion. All works shall be carried out to lines, levels and dimensions shown in drawings.

Concrete for pipe bedding shall be 1:3:6 (40) cement concrete. Materials used for construction of head walls, wingwalls and other ancillary items shall conform to the requirements given for RR masonry and cement concrete in these specifications.

Excavation for pipe culverts shall conform to the requirement of section 2.1 of this specification. Trench when shaped and completed to receive the pipes shall be of sufficient width, depending on pipe size and other considerations, to provide working space for satisfactory bedding, laying and jointing of the pipe and for satisfactory compaction of bedding material and backfill. Provision shall be made, as necessary, to drain the trench and bedding during construction. When completed the bottom of the trench shall be firm over its full length and width.

Where the soil encountered at the designed grade is unsuitable material shall be removed and replaced with approved foundation fill material and compacted as required.

The pipes shall be bedded as shown on drawing; of mix proportions 1:3:6(40) having a minimum base thickness of 300mm. The concrete shall extend up the sides of the pipe as shown on drawings.

Prior to placing of the pipes the soil bed shall be lightly scarified and moistened to facilitate uniform embedment and where necessary, fresh soil shall be added so that the pipes when placed are firmly and uniformly bedded into the soil.

Laying of pipes on prepared foundation shall be started at the outlet and proceed towards inlets, with the abutting sections properly matched and fitted in. Where collars are used for jointing the pipes, cross trenches shall be excavated to accommodate the collar and to facilitate jointing. Ends of the pipe shall be carefully cleaned before they are placed. As each length of pipe is placed, the mouth of the pipe shall be protected to prevent entry of earth or bedding materials. Once laid the pipes shall be properly aligned.

Each pipe joint shall be sealed to prevent leakage and infiltration of water on to the bedding. Abutting ends of adjacent pipes shall be connected with concrete collars and the space between the pipe and the collar shall be tightly sealed with stiff 1:2 cement mortar, to uniform thickness round the pipe.

In the case of spigot and socket pipes, where a pipe with spigot at one end and socket at the other are jointed with pipe of same type and size, the spigot of one pipe shall be inserted into the socket of the other with the flexible joint ring fitted at the spigot end, and where a mortar joint is specified, cement mortar of 1:2 composition shall be worked into the joint by hand.

Backfilling shall be undertaken as early as practicable after concrete and jointing material has sufficiently hardened. Work shall be carried out according to section 102 of this

specification.

3.a.3.8. RANDOM RUBBLE MASONRY

This work shall consist of construction, in Random Rubble (RR) Masonry of walls, foundations, drains and other structures. Work shall be carried out to the lines and dimensions shown in the drawings.

Stones used in Random Rubble Masonry shall be obtained from approved quarries. They shall be hard, durable, fresh rock free from fractures and other imperfections, and shall be of maximum dimension not exceeding 450mm.

Cement mortar used shall normally consist of Ordinary Portland cement, sand and water in the proportions specified. Mortar shall be mixed thoroughly by hand until its colour and consistency are uniform. It shall be mixed in small quantities only as and when required and shall normally be used within 30 minutes of mixing. Mortar, which has been mixed for more than one hour and showing signs of hardening, shall be discarded.

All stones, chips and spalls used shall be of clean surfaces to facilitate adherence of mortar to them and shall be wetted before laying. Every stone shall be set flush in cement mortar of 1:6 or any other approved mix proportions and there shall be no dry work or hollow spaces left. Smaller stones shall be used to roughly fit the spaces between the larger stones and chips/ and spalls shall be wedged in where necessary to prevent thick beds of mortar. The stones in each course shall overlay the joints in the preceding course as far as practicable. A sufficient number of through stones shall be used in building walls. At least one through stone shall be built into walls at intervals of 2 m horizontally and 600 mm vertically.

They shall run through the full thickness of the walls, which are up to 600 mm in thickness. In case of walls exceeding 600 mm in normal thickness, more than through stones shall be used to run through the full thickness of the wall. In such cases the overlap shall not be less than 150 mm.

Where the faces of walls are to be plastered, their joints shall be raked to depths of 12 to 20 mm to form a key and the pointing shall be done using cement mortar of specified proportions and to the specified thickness. The faces, which are not to be plastered, shall be provided with struck off joints unless otherwise specified. In the latter case selected stones shall be used with straight edges as far as practicable, to provide close fitting joints of uniform width not exceeding 20 mm. The bushing of the stones shall not project more than 25 mm from the plane of the joints.

Where pointing of joints is specified they shall be carried out as given in the drawings or as directed.

Vertical construction joints in walls shall be avoided and at horizontal or sloping construction joints the mortar in the last course at the joint shall be omitted, for at least half the nominal thickness, to be later placed with the succeeding course of masonry.

When placing rubble masonry on or against construction joints all laitance shall be removed from exposed hardened mortar surface ; any further edges and hardened mortar shall be

removed from exposed stone surfaces.

Where rubble masonry is placed against a fill or excavation, surface irregularities in such surface shall be filled with stone chips, spalls or other free draining materials. Drains and formed wheelholes shall be constructed as shown in the drawings.

All rubble masonry work shall be maintained in constantly wet condition for a period of at least 3 days commencing from the time of final setting of the cement.

3.a.3.9. CEMENT SAND RENDERING

20 mm thick with 1:3 cement sand mortar.

This work shall consist of rendering of the exposed faces of random rubble masonry walls.

Cement shall be Portland cement, and cement sand mortar shall conform to the requirements outlined in above section 2.8 - Random Rubble Masonry.

The mortar shall be composed of one part of cement and three parts of sand by dry loose volumes and sufficient water to make a mortar that can easily be handled and towelled, hand smooth and finished with wooden float to give a true and even surface with all rises square and internal angles slightly rounded. Re-tempering of mortar that has been used in excess of 30 minutes, will not be permitted.

3.a.3.10 CONCRETE WORK

3.a.3.10.1 Concrete:

- (i) The rates for concrete works shall include for the following:
 - a) Concrete test cubes as instructed by the Engineer and testing costs
 - b) Rate shall include for plant for mixing, handling, hoisting, depositing, compacting, vibrating, curing and making good after removal of formwork.
 - c) Forming construction joints or the like
 - d) Forming joints between new concrete and existing concrete unless otherwise measured separately.
 - e) Shuttering to sloping upper surfaces not exceeding 15 degrees from horizontal
 - g) All necessary keys to concrete surfaces to receive in-situ finishes
 - (h) All costs in connection with the construction of "kickers"
 - (i) Providing admixtures if required
- j) The rates for blinding shall include for the following.
 - i) All necessary shuttering to edges or extra volume of concrete used in lieu of formwork.
 - ii) Forming sloping upper surfaces where required.
- (ii) All concrete works shall comply with the relevant specifications, filled into formwork and well packed around reinforcement.

- (iii) Concrete items are deemed to include projections, nibs, fillets and external splays
- (iv) Concrete in suspended slabs is deemed to include up stand curbs
- (v) Proportioning of Concrete Materials and Strength

Mix Proportions and Strengths

The mix proportions and compressive strengths are given below. The mix proportions are indicated by the volumetric ratios of cement; fine aggregate'; coarse aggregate. The concrete to be used in any locations in specified on the Drawings by the mix proportions followed by the nominal maximum size of coarse aggregate in brackets.

Mix Proportions	Nominal Maximum Size of Coarse Aggregate (mm)	Mean Cube Strength at 28 daysN/mm ²	Minimum Cube Strength at 28 daysN/mm ²
1:4:8	37.5	12	8
1:3:6	37.5	17	13
1:2:4	37.5	23	17
1:2:4	20	28	20
1:1.5:3	20	29	21
1:1.5:3	10	29	21

An additional 10 percent of cement over and above the specified mix proportion shall be used when hand mixing is done. The water / cement ratio by weight shall not exceed 0.55.

Workability of concrete

The workability or consistency of fresh concrete shall be such that the concrete is suitable for the conditions of handing and placing so that after compaction it surrounds and grips all reinforcements and completely fills the form work.

The degree of workability shall depend on the nature of work and the method of placement; whether with vibration or without vibration.

For purposes of these specifications the degree of workability shall be classified as low, medium and high and shall normally be assessed by means of the slump test.

Generally accepted values of slump, in relation to the degree of workability and the aggregate used, are given in table below.

Degree of Workability	Nominal max. size of aggregate (mm)	Slump (mm)
Low	12.5	0-12

	20 37.5	12-25 25-50
Medium	12.5 20 37.5	12-25 25-50 50-100
High	12.5 20 37.5	25-75 50-125 100-150

Testing of Concrete for Acceptance

General

Concrete shall be tested by determining the crushing strength of 150 mm cubes at 28 days. Where so required, an early assessment of the 28 days strength shall be made by carrying out tests at 7 days on the assumption that 65% of the 28 days strength is achieved in 7 days.

(vi) Hand Mixing

Hand Mixing where permitted, shall be carried out on a smooth watertight platform large enough to allow efficient turning over of the constituents of concrete before and after adding the water. Mixing platform shall be so formed that no foreign material gets mixed up with the concrete and the mixing water does not flow out of the mixing area.

(vii) Placing and compaction of concrete

Prior to placing of concrete all formwork and reinforcement therein shall be cleaned of all extraneous material and dust and made free of any standing water. It shall be ensured that all formwork is made leak proof and that there is no loss of mixing water or grout from the concrete.

All mixed concrete shall be placed and compacted in the formwork, using approved vibrators of the internal, external or screed types, or combinations thereof depending on the type of job. Where approved, steel rods may also be used for the purpose in addition to the vibrators. The adequacy of the compacting equipment or the suitability of the compacting method shall be determined depending on the requirements. Use of steel rods only for compaction shall be restricted to only in small jobs and in low strength concretes.

In all cases of continuous concreting, fresh concrete shall be placed before the already laid concrete is less than 30 minutes old and where this time gap is exceeded a construction joint shall normally be formed prior to continuing with the concreting. All concrete shall be placed and compacted in horizontal layers normally not exceeding 300 mm in depth except where internal vibrators are used when the depth may be increased up to a maximum of about 450mm.

No concrete shall be dropped from a height greater than about 1.5 meters. Where chutes are used for placing of concrete they shall be kept clean and used in a manner to prevent segregation. When concreting has to be resumed on a surface, which has hardened, it shall be roughened, swept clean thoroughly wetted and covered with a thin layer of cement grout or cement mortar as approved.

Semi-hardened surfaces shall be well brushed to remove all laitance, cleaned and covered with a thin layer of cement grout prior to overlaying with fresh concrete.

(viii) Curing of Concrete

Freshly laid concrete shall be kept undisturbed and protected from the effects of sun and rain from drying out till it hardens. Once hardened, the concrete shall continuously be cured in a moist atmosphere for a minimum period of 7 days and for a further period if so specified.

3.a.3.10.2 Formwork

(i) The rates for formwork shall include for the following:

- a) All cutting and waste including raking, curved or circular cutting.
- b) Setting up strutting and supporting at any height above the structure subject to any limitations imposed by the Engineer including all props, stays, struts, wedges and bolts etc.
- c) Coating of shutter oil
- d) Easing; striking, removing and cleaning the surface of concrete.
- e) Overlaps and passings at angles and labour at intersections
- f) Shortening struts or shapes and re-strutting or re-shoring where required.
- g) Rubbing down, filling and making good the surface of concrete after removal of shuttering.
- h) Cutting or notching shutters or moulds to in-situ or precast concrete around projecting reinforcement.
- i) Scaffolding if necessary
- j) Formwork has been measured the net contact surface between concrete and formwork.
- k) Formwork to beams, columns and casings deemed to include ends.

(ii) The rates for wrought shuttering/ shuttering to produce a special finish shall include for the following.

- a) Any necessary rubbing down or filling allowed by the specification to produce the finish required.
- b) Cutting out and re-casting unsatisfactory work or work not fulfilling the requirement of the specification or carrying out remedial or any other work required by the Engineer as an alternative to cutting out substandard work.

(iii) Removal of Formwork

The formwork shall be so removed as not to cause any damage to concrete due to shock or vibration.

Time of Removal

In no circumstances shall forms be struck until the concrete reaches a strength of at least twice the

stress to which the concrete may be subjected at the time of strike. Where possible, the form as long as possible, as it would assist curing, Forms shall be eased out carefully in order to prevent the load being transferred suddenly to the partly hardened concrete.

In the case of other construction as an indication, only the minimum period between the completion of concreting and the removal of frame work shall be taken as follows:-

Vertical Faces to Mass Concrete	-	24 hours
Vertical Faces to Reinforced Concrete	-	24 hours
Support to soffits of beams	-	14 days

3.a.3.10.3 Reinforcement

- (i) Reinforcement bars should comply with specifications in BS 4449: 1988 and mesh reinforcement with BS 4483: 1985. Steel reinforcing bars considered in the design are high yield strength bars for diameters 10, 12, 16, 20, 25; the characteristic strength should be 460 N/mm².
- (ii) Detailing is prepared on the assumption of the use of 6m bar lengths.
- (iii) 6mm diameter bars shown in reinforcement details are mild steel. ($f_y=250$ N/mm²)
- (iv) The rates for bar reinforcement shall include for the following:
 - a) Positioning and protecting starter bars
 - b) Straightening (if required), cutting to length and bending reinforcement to required shape.
 - c) Cleaning and wire brushing
 - d) Supporting in position (chairs etc) during concreting (excluding links and stirrups)
 - e) Binding wire, ties and distance pieces.
 - f) Additional cutting and bonding in connection with holes, mortices, pockets, grooves, chases and the like.
 - g) Bends, hooks and laps shall be measured with the quantities.
 - h) Preparation of bar reinforcement schedule for Engineer's approval before starting the work.
- (v) The rates for mesh reinforcement shall include for the following:
 - a) Straight, raking, curved and circular cutting and waste, bending to profiles and laps as required by the drawings and specifications.
 - b) Supporting in position during concreting (excluding special chairs), binding wires and

- distance pieces.
- c) Cutting, bending and notching around all obstructions.
- (vi) For the purpose of measurement length of bar shall be considered as 6000mm.
- (vii) Spacers for achieving Cover to Reinforcement;

Specified concrete cover to reinforcement bars should be provided using cover blocks. Chairs should be used to support top horizontal reinforcement and to separate vertical reinforcement in walls.

3.a.3.10.4 Pre-Cast Concrete:

- (i) The rates for pre-cast concrete shall include for the following:
 - a) Provisions of moulds
 - b) Forming a fair face finish in accordance with the specifications
 - c) Hacking or forming keys to all other surfaces
 - d) Lifting hooks or other devices approved by the Engineer for positioning
 - e) Hoisting and fixing in position to approval of the Engineer.
 - f) Bedding jointing in mortar as specified.
 - g) All necessary temporary struts or supports
 - h) Sills and copings etc. shall include for plain ends and angles where necessary.

3.a.3.11 WATERPROOFING:

3.a.3.11.1 The rates for work in this section shall include for the following:

- a) Remove all loose and foreign materials and clean surface to receive water proofing materials.
- b) Laps, seams and narrow widths, straight, raking curved and circular cutting and all consequent wastage, fillets, arises, angles, chases for tucking in etc., returned ends and dressed ends on flashings, dressing up over up stands and around and into gargoyles, rainwater outlets, vent pipes and the like.
- c) Any additional or special materials at construction joints, expansion joints, edges and corners etc.
- d) Repairing surface cracks and filling uneven surface with approved materials.
- e) Base screed, temporary screed and protection screed unless measured separately.
- f) Tropical grade mastic pointing to all wall flashings.
- g) Testing as per Engineer's Instructions
- h) Work to be done as per standard details necessary for complete system but not measured.
- i) Providing all necessary tools and any other equipment required as recommended by the manufacturer.
- j) Providing product samples, finished specimen areas etc., as required by the Architect

- k) Forming or chasing grooves, into masonry walls, concrete walls, concrete walls and slabs rebates etc., where necessary and turning waterproofing materials into chases and pointing as specified
- l) Lining to rain water outlets, cesspools, brackets, collars and filling around pipes, railing standards and the like
- m) Cutting to line and jointing new to old asphalt
- n) Obtaining manufacturer's supervisory/consultancy services if necessary and providing and acceptable guarantees for 10 years in the name of the employer for the product and the workmanship.
- o) Submitting a detailed set of shop drawings approved by manufacturer to incorporate all construction and expansion joints as shown in drawings, structural and services elements, other details encountered in the areas to be waterproofed and with details against settlements between two buildings with reference to manufacturer's proprietary details, specials and techniques. The arrangements shown in tender drawings are for proposes of guidance only and not construction drawings.
- p) Working at any given height.
- q) Application of water proofing materials to specifications and manufacturer's recommendation and as per approved shop drawings to cover all surfaces including angle fillets, chasings, sealing of construction joints and expansion joints, settlements joints etc.
- r) Submitting pre-shipment certificates by an acceptable international Surveyor certifying the product with respect to :-
 - i. Source and country of manufacture.
 - ii. Country of Origin
 - iii. Conformity to specification
 - iv. Conformity to system offered
 - v. Conformity to the product offered.

BOQ-SUMMARY SHEET

PROJECT TITLE	CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY
PROJECT NO	AMP/SDDP/87393/006/05
PROJECT LOCATION	NAVITHANVELY
DISTRICT	AMPARA

ITEM #	DESCRIPTION	AMOUNT -(Rs)	AMOUNT -(Rs)
1	PROVISIONAL SUM FOR PRELIMINARIES		
2	CONSTRUCTION OF SHOPS		
3	CONSTRUCTION OF FISH MARKET		
4	CONSTRUCTION OF VEGETABLE MARKET		
5	CONSTRUCTION OF CHAINLINK FENCING(152Lm) AND TOILET		
	Sub Total 1 (Total of 2 to 5)		
	Discounted Amount% for Sub Total 1 (if any)		
	Sub Total 2 [(1+Sub Total 1) - Discount]		
	5% of Physical Contingencies of Sub Total 2		
	Bid Amount (Sub Total 2+ contingencies)		
	If a VAT registered Contractor Add-VAT (11%)		
	Bid Amount (including VAT)		

Bid Amount in Words (excluding /including VAT) : SLRs.

VAT Registration No (if available)

Signature and seal :.....

Name of Bidder :.....

Address :.....

Date :.....

CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY

BILLS OF QUANTITIES

BILL NO. 01-PRELIMINARIES

ITEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	<p>PRELIMINARIES</p> <p>All the Bidders are requested to refer "Pricing Preamble and notes below" and works items of this Bills of Quantities shall be priced to fulfill the requirements therein. Also see that no page or items are missing prior to pricing the bill of quantities.</p> <p>The Bidder is advised to refer to the General Notes, Pricing Preambles, Drawings, Specifications, Conditions of Contract, Particular Conditions of Contract and other relevant documents prior to pricing the following items.</p> <p>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, and external working space, storage area etc.</p> <p>A list of typical general items are given below. However, the Bidder is requested to price only those items that may affect this Contract.</p> <p>Existing 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.</p> <p>Any other preliminary items not listed below but deemed necessary for the successful execution of the project shall be included in the tender rates, as no claims for extra payments for such, would be entertained.</p> <p>All temporary works shall be dismantled and cleared away from the site on completion of the work.</p> <p>Contractor shall provide helmets, gloves, safety masks, dusk masks, eye goggles, boots etc. for the workmen.</p> <p>Contractor shall provide safety boards, signs and safety ribbons (plastic yellow and black stripes) to be erected at site.</p> <p>Contractor shall take special care for safety of school children, staff and public during transportation of materials and implementation of the contract.</p> <p>Mechanical plant and equipment which emits excessive noise, water, smoke, fumes, or obnoxious liquids, gases etc., will not be allowed to be used on the site. If the use of such machinery becomes necessary, the Contractor is expected to obtain prior approval.</p> <p>No work in any trade shall be carried out in such a manner as to cause any nuisance to adjacent owners or the public.</p> <p>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.</p> <p>The contractor shall be responsible for any loss or damage to the works, existing structures, adjoining structures and unfixed materials.</p>	<p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p>			

CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY

BILLS OF QUANTITIES

BILL NO. 01-PRELIMINARIES

ITEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	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			
	DRAWINGS UNDP/AM/CPMN/LAY/001 (LAYOUT) UNDP/AM/CPMN/AR/001 (PLAN & ELEVATION) UNDP/AM/CPMN/AR/002 (ROOF) UNDP/AM/CPMN/STR/001 (COLUMNS AND WALL FOUNDATION) UNDP/AM/CPMN/STR/002 (COLUMNS AND WALL FOUNDATION) UNDP/AM/CPMN/STR/003 (WATER TANK) UNDP/AM/CPMN/STR/004 (ROOFBEAM) UNDP/AM/CPMN/DO/001 (DOORS) UNDP/AM/CPMN/ELE/001 (ELECTRICAL LAYOUT) UNDP/AM/CPMN/FEN/001 (CHAIN LINK FENCING) UNDP/AM/CPMN/GAT/001 (GATE) UNDP/AM/CPMN/SOK/001 (SOKAGE PIT & MANHOLE)				
A.01	Provisional Sum for site office for consultant - staff including necessary furniture, electricity, water & sanitary facilities to the approval of Engineer.	Allow		Pro. Sum	15,000.00
A.02	Provisional Sum for providing and maintaining a first aid box and regular supply of medicine, linen etc.	Allow		Pro. Sum	3,000.00
A.03	Provisional Sum for setting out of Works in accordance with drawings and other written information given by the Engineer.	Allow		Pro. Sum	2,000.00
A.04	Provisional Sum for all cost in connection with preparing samples for testing, making arrangements for testing of materials, goods etc., as stipulated in the specification, obtaining test reports and submitting the same to the Engineer.	Allow		Pro. Sum	3,000.00
A.05	Provisional Sum for provision of 3 sets of (hard copies and soft copies) As-Built drawings & maintenance manuals of all services for Engineer's approval.	Allow		Pro. Sum	7,500.00
A.06	Provisional Sum for providing all necessary safety measures to workmen at site such as helmets, gloves, safety masks, dusk masks, eye goggles, boots etc. conforming to the latest industrial safety regulations and as directed by the Engineer.	Allow		Pro. Sum	5,000.00
A.07	Supplying and fixing Name board 1.2m x 0.9m in dimension with 2nos 32mm dia G.I pipe to the approval of Engineer.	Allow		Pro. Sum	2,000.00
A.08	Allow Sum for providing a Performance Security	Allow		Sum	
A.09	Allow Sum for Insurance of Completed works.	Allow		Sum	
A.10	Allow Sum for Insurance against accidents and injury to Contractor's personnel as per the contract	Allow		Sum	
TOTAL FOR BILL NO.01-PRELIMINARIES CARRIED TO GRAND SUMMARY				SLRs	

CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY

BILLS OF QUANTITIES

BILL NO. 02-CONSTRUCTION OF SHOPS

ITEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A	<u>EXCAVATOR</u> Rates shall include for: Leveling and grading bottom of excavation and keeping sides plumb. Keeping excavation in a clean and dry condition free from water. Backfilling and consolidating with excavated materials at site. Any necessary additional excavation for working space such as for planking and strutting form work etc.				
A.01	Site clearing including removing of bushes and short length trees including all debris with in the premises and cleared away.	Sq.m	1,440.00		
A.02	Demolishing existing foundation in concrete when in excavation and debris cleared away.	Cu.m	3.00		
A.03	Demolishing existing foundation in Rubble or Brick when in excavation and debris cleared away.	Cu.m	7.00		
A.04	Excavation for foundation of columns in any materials met with except rock requiring blasting, part return fill in and ram and surplus disposed of as directed.	Cu.m	8.80		
A.05	Excavation for foundation of walls in any materials met with except rock requiring blasting, part return fill in and ram and surplus disposed of as directed.	Cu.m	21.50		
A.06	Approved gravel filling under floor well compacted with water by 225mm layer and rammed.	Cu.m	42.00		
A.07	Filling in front of the building with approved quality of gravel, spread, watered and well compacted.	Cu.m	20.00		
A.08	Removing of palmairah tree and debris cleared away.	Nos	2.00		
A.09	Removing of branched big trees and debris cleared away.	item	1.00		
	TOTAL FOR EXCAVATOR CARRIED TO SUMMARY:			SLRs.	

CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY

BILLS OF QUANTITIES

BILL NO. 02-CONSTRUCTION OF SHOPS

ITEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B	<u>CONCRETER</u> Unless otherwise specified all concrete shall be 1:2:4 (20mm) cement sand mix All concrete shall be made dense with a vibration. All concrete shall be so cast as to receive only that finishing on its exposed surfaces as specified in the respective items. Prices are to include for plant for mixing, handling, hosting, depositing etc. and curing making good after removal of form work. (Reinforcement and shuttering paid separately). The abbreviation R.C.C. means reinforced cement concrete.				
B.01	50mm thick 1:3:6(40mm) cement sand mix lean concrete in columns footing.	Sq.m	9.75		
B.02	150 mm thick 1:3:6(40mm) cement sand mix lean concrete in wall foundation.	Cu.m	4.80		
B.03	100 mm thick 1:3:6(40mm) cement sand mix lean concrete in wall foundation.	Cu.m	0.85		
B.04	75 mm thick 1:2 1/2:5 (25 mm) cement sand concrete in floor.	Cu.m	7.50		
B.05	1:2:4(20 mm) cement sand mix concrete in Column footings.	Cu.m	2.20		
B.06	1:2:4 (20 mm)cement sand mix concrete in Column shaft up to roof level.	Cu.m	2.70		
B.07	225mmx225mm size 1:2:4 (20 mm) cement sand mix concrete lintel over roller shutter door and over the circular column with 2Y12mm bottom and 2Y10 on top with links R6 @ 175mm Crs rate included r/f and shuttering.	L.m	51.00		
B.08	225mmx125mm roof beam over rear side wall with 2Y10 bottom r/f with S links in 200mm crs rate included shuttering and r/f.	L.m	16.50		
B.09	100mm thick 375mmx600mm size rectangular concrete slab in 1:2:4 (20 mm) r/f with Y10@ 150mm crs and Y10@ 225mm crs to cover drain rate included r/f and shuttering.	Nos	26.00		
	TOTAL FOR CONCRETOR CARRIED TO SUMMARY:			SLRs.	
C	<u>REINFORCEMENT:</u> Rates for all reinforcement shall include for cleaning, cutting, bending, fabricating, placing in position, holding and supporting including temporary fixing and supports and binding wire. All steel except 6mm dia. to be Lanka tor steel.				
C.01	10mm dia. tor steel in columns footing.	Kg.	90.00		
C.02	10mm dia. tor steel in columns shaft.	Kg.	133.00		
C.03	12mm dia. tor steel in columns shaft.	Kg.	167.00		
C.04	6mm dia mild steel links for columns.	Kg.	60.00		
	TOTAL FOR REINFORCEMENT CARRIED TO SUMMARY:			SLRs.	

CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY

BILLS OF QUANTITIES

BILL NO. 02-CONSTRUCTION OF SHOPS

ITEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
D	<u>FORMWORK:</u> Form work to all concrete work shall be made through leak proof and shall be good seasoned timber or steel. Rate to include for all necessary boarding, supports, erecting, framing, cutting angles, removing, cleaning wetting etc.				
D.01	Form work in footings of columns.	Sq.m	15.00		
D.02	Form work to column shaft from footing to roof level.	Sq.m	27.00		
D.03	Form work in circular column	Sq.m	26.00		
	TOTAL FOR FORM WORK CARRIED TO SUMMARY:			SLRs.	
E	<u>MASONRY WORK</u> Prices are to include all rough and fair cutting, plumbing angles, formatting rebated reveals racking out joints etc.				
E.01	Random rubble masonry in cement and sand 1:5 mix up to D.P.C. Level.	Cu.m	24.00		
E.02	225mm thick brick work in cement and sand 1:5 mix	Cu.m	35.00		
E.03	Brick drains in cement and sand 1:5mix, 225mm wide and 150mm - 225mm average depth including rendering 12mm thick cement and sand 1:2 mix to exposed faces with finished smooth including ramp of the same materials approx. 750mm wide all layed to approved slope.	L.m	36.00		
E.04	Brick drains in cement and sand 1:5mix, 225mm wide and 150mm - 225mm average depth including rendering 12mm thick cement and sand to exposed faces with 1:2 mix finished smooth without.	L.m	10.00		
	TOTAL FOR MASONARY WORK CARRIED TO SUMMARY:			SLRs.	
F	<u>PLASTERER:</u> Rate shall include for All temporary rules, screeds, grounds etc. for raking out joints of new brick work or hacking new concrete for key, internal and covered angles, joints between new and old plastering, arises quirks, intersections between curved or irregular surfaces etc.and all making good around pipes, sanitary fittings and similar fixtures. all with scaffolding.				
F.01	10mm thick Plastering in cement and sand 1:3 mix to columns	Sq.m	38.00		
F.02	10mm thick Plastering in cement and sand 1:3 mix to beam	Sq.m	34.00		
F.03	16mm thick Plastering in cement lime and sand 1:1:5 mix to internal plaster finished smooth	Sq.m	160.00		
F.04	16mm thick Plastering in cement lime and sand 1:1:5 mix to external plaster finished semi rough	Sq.m	85.00		
F.05	Plastering in cement lime and sand 1:1:5 mix in narrow widths not exceeding 150mm wide including forming arises.	L.m	30.00		
F.06	12mm thick Rendering in cement and sand 1:2 mix neat cement floating to concrete floor.	Sq.m	100.00		
F.07	20mm thick Plinth plaster in cement and sand 1:3 mix finished smooth with Red colour neat cement floating.	Sq.m	20.00		
F.08	20mm thick Damp proof course in cement and sand 1:2 mix treated with two coats of hot tar on top and blinded with sand.	Sq.m	27.00		
	TOTAL FOR PLASTERER CARRIED TO SUMMARY:			SLRs.	

CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY

BILLS OF QUANTITIES

BILL NO. 02-CONSTRUCTION OF SHOPS

ITEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
G	<u>IRON MONGER :</u>				
G.01	Supplying and fixing G. I. sheet Roller shutter CD1 size in 3075mmx2400mm necessary locking device including heavy pad lock 02 nos and 02nos handle as per plan (05Nos).	Sq.m	37.00		
G.02	Supplying and fixing of 600mmx600mm fixed glass with 100mmx50mm special class upper timber frame with 5mm thick tinted glass with necessary timber beading. And 2 coats of enamel painting. (05Nos)	Sq.m	1.80		
	TOTAL FOR IRON MONGER CARRIED TO SUMMARY:			SLRs.	
H	<u>ROOFER AND ROOF PLUMBER</u>				
H.01	Supplying and roofing with 0.47mm thick colour coated Zink Aluminum metal roofing sheets on special class upper timber frame consist of 100mmx50mm rafters well smooth fair faces (using Plainer) at 900mm centers and 50mmx50mm bearers with maximum spacing of 1200mm center to center, 150mm x 50mm ridge plate and 100mm x 75mm wall plate all timber to be treated colour less wood preservative. (Quality of timber and Brand, Profile and Colour of the sheets should be approved by the engineer).	Sq.m	160.00		
H.02	Supplying and laying approved quality double side Aluminum faced Foil(8mm) and 3"x3" (18G) mesh with necessary fasteners, etc.as directed (Quality of foil and mesh should be approved by the engineer/consultant).	Sq.m	110.00		
H.03	Supplying, making and fixing 0.47mm thick Zink Aluminum ridge capping of girth 600mm to match the colour of the roof .Rate shall include all necessary fasteners,etc	L.m	18.50		
H.04	Supplying and fixing Zink Aluminum colour bonded 450mm girth gutter with brackets	L.m	38.00		
H.05	Supplying and fixing 100mmx100mm Zink Aluminum colour coated down pipes as directed. Rate shall include all necessary nozzles, offsets, bends, clips,etc	L.m	20.00		
H.06	Supplying, making and fixing valance boards of minimum of 20mm finished thickness and 225mm width in Ginisapu and completing with necessary iron screws, etc. including one coat of primer and two coats of enamel paint.	L.m	58.00		
H.07	Ceiling along the roof (slope ceiling) asbestos sheet fixed with clout haded nails to 50x50mm bearers in special class timber including approved quality beading and molding Rate to include for applying wood preservative to timber frame and two coats white emulsion paint to flat sheets and two coats enamel paint to beading and molding as directed	Sq.m	160.00		
H.08	Supplying and fixing of eaves asbestos ceiling with 50mm x 50mm runners including with necessary nails and two coats of white emulsion paint and applying two coats of wood preservative to timber	Sq.m	50.00		
H.09	Supplying and fixing of 150mmx75mm purlin with necessary nails	Lm	34.00		
	TOTAL FOR ROOFER AND ROOF PLUMBER CARRIED TO SUMMARY:			SLRs.	

CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY

BILLS OF QUANTITIES

BILL NO. 02-CONSTRUCTION OF SHOPS

ITEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
I	<u>ELECTRICAL WORK:</u> Rate shall include for all conduits, conduits fittings, junction boxes row wire cables, earth conductors, screws, nails, hard wire fixing, and installing materials cutting holes in brick work, concrete etc. and making good the same in all trades. All rates shall include for the cost of supplying, installing, laying and all conduits wiring, PVC wall plug and boxes. All wiring works shall confirm to the Standard of JEE Rate shall include for producing certificate of satisfactory completion report form the proper authorities				
I.01	Supplying and fixing 15 amp socket out let with all specials. Rate shall include for necessary wiring etc.	Nos	5.00		
I.02	Supplying and fixing 5 amp socket out let with all specials. Rate shall include for necessary wiring etc.	Nos	5.00		
I.03	Supplying and fixing 23W CFL type pendant lamp all specials. Rate shall include for necessary wiring etc.	Nos	10.00		
I.04	Earth electrode 63mm dia G.I pipe 1800mm long and fixing .Rate shall include for necessary wiring etc.	No	5.00		
I.05	Supplying and fixing MCB board with other specials (30 Amp main, 30 Amp Trip 6 way circuit breaker and ABC box)	No.	5.00		
I.06	Supplying and fixing timber box 750mm x 750mm with glass sliding to fix 5 nos meter box with necessary screws with polishing	No.	1.00		
I.07	Providing 50mmx50mmx6mm angle Iron 1500mm length properly welded fix with wall for to get C.E.B Connection.	No.	3.00		
I.08	Providing 63mm dia and 4000mm length G.I Pipe with 450mmx450mmx450mm excavation and 1:3:6(40) concrete for transmit electrical wire.	Lm	12.00		
I.09	Supplying and fixing of table fan in wall.	Nos	5.00		
	TOTAL FOR ELECTRICAL WORK CARRIED TO SUMMARY:			SLRs.	
J	<u>DECORATOR AND PAINTER :</u> Rate shall include for All preparation of surfaces, cleaning down, smoothing, Knotting slopping etc. production of floor & filling removing and replacing doors and windows furniture & cleaning window etc.upon completion.				
J-1	Allow for applying two coats of emulsion paint to all internal and external faces of wall	Sq.m	260.00		
J-2	Allow for applying two coats of floor paint to plinth.	Sq.m	20.00		
J-3	Allow for applying two coats of white emulsion paint to column, beam and soffit of slab.	Sq.m	74.00		
	TOTAL FOR DECORATOR AND PAINTER CARRIED TO SUMMARY:			SLRs.	

CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY

BILLS OF QUANTITIES

SUMMARY OF BILL NO.02

ITEM #	DESCRIPTION OF WORK		AMOUNT	
A	Excavator			
B	Concreter			
C	Reinforcement			
D	Formwork			
E	Masonry Work			
F	Plasterer			
G	Iron Monger			
H	Roofer and Roof Plumber			
I	Electrical Work			
J	Decorator And Painter			
TOTAL FOR BILL NO. 02-CONSTRUCTION OF SHOPS CARRIED TO GRAND SUMMARY:			SLRs.	

CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY

BILLS OF QUANTITIES

BILL NO. 03-CONSTRUCTION OF FISH MARKET

ITEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A	<u>EXCAVATION/DEMOLISHING</u>				
A.01	Demolishing existing foundation in concrete when excavation	Cu.m	1.00		
A.02	Demolishing existing foundation in Rubble or Brick when excavation	Cu.m	1.50		
A.03	Excavation for foundation of columns and walls in any materials met with except rock requiring blasting,part return fill in and ram and surplus disposed of as directed.	Cu.m	15.00		
A.04	Approved gravel filling under floor well compacted with water by 225mm layer and rammed.	Cu.m	23.00		
A.05	Filling in front of the building with approved quality of gravel, spread, watered and well compacted.	Cu.m	10.00		
	TOTAL FOR EXCAVATION CARRIED TO SUMMARY:			SLRs.	
B	<u>CONCRETER</u>				
B.01	50mm thick 1:3:6(40mm) cement sand mix lean concrete in columns footing.	Sq.m	7.30		
B.02	100 mm thick 1:3:6(40mm) cement sand mix lean concrete in wall foundation.	Cu.m	1.50		
B.03	75 mm thick 1:2 1/2:5 (25 mm) cement sand concrete in floor.	Cu.m	4.50		
B.04	1:2:4(20 mm) cement sand mix concrete in Column footings.	Cu.m	1.70		
B.05	1:2:4 (20 mm)cement sand mix concrete in Column shaft up to roof level.	Cu.m	2.50		
B.06	225mmx225mm size 1:2:4 (20 mm)cement sand mix concrete in roof beam.	Cu.m	2.50		
B.07	100mm thick 1:2:4 (20mm) cement sand concrete in fish stall.	Cu.m	1.00		
B.08	100mm thick 375mmx600mm size rectangular concrete slab in 1:2:4 (20 mm) r/f with Y10@ 150mm crs and Y10@ 225mm crs to cover drain rate included r/f and shuttering.	Nos	6.00		
	TOTAL FOR CONCRETOR CARRIED TO SUMMARY:			SLRs.	

CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY

BILLS OF QUANTITIES

BILL NO. 03-CONSTRUCTION OF FISH MARKET

ITEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
C	<u>REINFORCEMENT</u>				
C.01	10mm dia. tor steel in columns footing.	Kg.	60.00		
C.02	12mm dia. tor steel in columns shaft.	Kg.	144.00		
C.03	12mm dia. tor steel in roof beam.	Kg.	85.00		
C.04	10mm dia. tor steel in roof beam.	Kg.	60.00		
C.05	10mm dia. tor steel in fish stall.	Kg.	120.00		
C.06	6mm dia mild steel links for columns.	Kg.	60.00		
C.07	6mm dia mild steel links for roof beam.	Kg.	70.00		
	TOTAL FOR REINFORCEMENT CARRIED TO SUMMARY:			SLRs.	
D	<u>FORM WORK</u>				
D.01	Form work in footings of columns.	Sq.m	15.00		
D.02	Form work to column shaft from footing to roof level.	Sq.m	35.00		
D.03	Form work in roof beam.	Sq.m	37.00		
D.04	Form work in fish stall.	Sq.m	27.00		
	TOTAL FOR FORM WORK CARRIED TO SUMMARY:			SLRs.	
E	<u>MASONRY WORK</u>				
E.01	Random rubble masonry in cement and sand 1:5 mix up to D.P.C. Level.	Cu.m	14.00		
E.02	225mm thick brick work in cement and sand 1:5 mix	Cu.m	7.00		
E.03	Brick drains in cement and sand 1:5mix, 225mm wide and 150mm - 225mm average depth including rendering 12mm thick cement and sand 1:2 mix to exposed faces with finished smooth including ramp of the same materials approx. 750mm wide all layed to approved slope.	L.m	18.00		
E.04	Brick drains in cement and sand 1:5mix, 225mm wide and 150mm - 225mm average depth including rendering 12mm thick cement and sand to exposed faces with 1:2 mix finished smooth without.	L.m	6.00		
	TOTAL FOR MASONARY WORK CARRIED TO SUMMARY:			SLRs.	

CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY

BILLS OF QUANTITIES

BILL NO. 03-CONSTRUCTION OF FISH MARKET

ITEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
F	<u>PLASTERING</u>				
F.01	10mm thick Plastering in cement and sand 1:3 mix to columns	Sq.m	27.00		
F.02	10mm thick Plastering in cement and sand 1:3 mix to beams.	Sq.m	42.00		
F.03	16mm thick Plastering in cement lime and sand 1:1:5 mix to external plaster finished smooth	Sq.m	50.00		
F.04	12mm thick Rendering in cement and sand 1:2 mix neat cement floating to concrete floor.	Sq.m	60.00		
F.05	20mm thick Plinth plaster in cement and sand 1:3 mix finished smooth with Red colour neat cement floating.	Sq.m	18.00		
F.06	20mm thick Damp proof course in cement and sand 1:2 mix treated with two coats of hot tar on top and blinded with sand.	Sq.m	17.00		
	TOTAL FOR PLASTERER CARRIED TO SUMMARY:			SLRs.	
G	<u>ROOFER AND ROOF PLUMBER</u>				
G.01	Supplying and roofing with 0.47mm thick colour coated Zink Aluminum metal roofing sheets on special class upper timber frame consist of 100mmx50mm rafters well smooth fair faces (using Plainer) at 900mm centers and 50mmx50mm bearers with maximum spacing of 1200mm center to center, 150mm x 50mm ridge plate and 100mm x 75mm wall plate all timber to be treated colour less wood preservative. (Quality of timber and Brand, Profile and Colour of the sheets should be approved by the engineer).	Sq.m	96.00		
G.02	Supplying, making and fixing 0.47mm thick Zink Aluminum ridge capping of girth 600mm to match the colour of the roof .Rate shall include all necessary fasteners,etc	L.m	8.50		
G.03	Supplying and fixing Zink Aluminum colour bonded 450mm girth gutter with brackets	L.m	16.00		
G.04	Supplying and fixing 100mmx100mm Zink Aluminum colour coated down pipes as directed. Rate shall include all necessary nozzles, offsets, bends, clips,etc	L.m	12.00		
G.05	Supplying, making and fixing valance boards of minimum of 20mm finished thickness and 225mm width in Ginisapu and completing with necessary iron screws, etc. including one coat of primer and two coats of enamel paint.	L.m	40.00		
G.06	Supplying and fixing of 150mmx75mm purlin including two coats of wood perservative and nails	Lm	14.00		
	TOTAL FOR ROOFER AND ROOF PLUMBER CARRIED TO SUMMARY:			SLRs.	

CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY

BILLS OF QUANTITIES

BILL NO. 03-CONSTRUCTION OF FISH MARKET

ITEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
H	<u>ELECTRICAL:</u>				
H.01	Supplying and fixing 5 amp socket out let with all specials. Rate shall include for necessary wiring etc.	Nos	2.00		
H.02	Supplying and fixing 23W CFL type pendant lamp all specials. Rate shall include for necessary wiring etc.	Nos	4.00		
H.03	Earth electrode 63mm dia G.I pipe 1800mm long and fixing .Rate shall include for necessary wiring etc.	No	1.00		
H.04	Supplying and fixing MCB board with other specials (30 Amp main, 30 Amp Trip 12 way circuit breaker and ABC box)	No.	1.00		
H.05	Providing 63mm dia and 4000mm length G.I Pipe with 450mmx450mmx450mm excavation and 1:3:6(40) concrete for transmit electrical wire.	Lm	4.00		
	TOTAL FOR ELECTRICAL WORK CARRIED TO SUMMARY:			SLRs.	

CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY

BILLS OF QUANTITIES

BILL NO. 03-CONSTRUCTION OF FISH MARKET

ITEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
I	<u>WATER SUPPLY AND DRAINAGE</u>				
I.01	Forming collecting pit with 150mmx150mm size 150mm deep cement concrete 1:2:4(20mm) complete with cement and sand 1:2 rendering 12mm thick PVC grating.	No.	2.00		
I.02	Supplying and fixing of 25mm dia.Bib tap with necessary fittings	Nos.	2.00		
I.03	Supplying and laying 32mm dia 1000 type P.V.C. pipe with necessary fittings.	L.m	30.00		
I.04	Supplying and laying 40mm dia 1000 type P.V.C. pipe with necessary fittings.	L.m	20.00		
I.05	Supplying and laying 25mm dia 1000 type P.V.C. pipe with necessary fittings.	L.m	40.00		
I.06	Supplying and laying 20mm dia 1000 type P.V.C. pipe with necessary fittings.	L.m	20.00		
I.07	Supplying and fixing 32 mm dia. PVC stop cock with necessary fittings.	No	1.00		
I.08	Supplying and fixing 25mm dia. PVC stop cock with necessary fittings.	No	1.00		
I.09	300mm x 200mm Lanka ceramic wall tiling on and including 12mm thick 1:3 cement sand backing and joints pointed with neat coloured cement to match the colour of tiles in fish stall.	Sq.m	12.00		
I.10	Supply and fix ceramic sink of approved quality size in 550mm x 500mm x 250mm complete with tap, waste plug and other accessories to working order including 112mm brick work with neat plastering to support.	Nos.	2.00		
I.11	Soakage pit size in1800mm x1200mm x1500mm deep built in 225mm thick brick to full depth in cement and sand 1:5 mix for excavation and 75mm thick R.C.C cover slab R/F with 10 mm dia tor steel bars at 150mm Centre both ways and 1:2:4(20mm) concrete. Beam size in 225mm x 150mm 2nos 1:2:4(20mm) mix concrete with 02nos 12mm dia tor steel at bottom with 3Nos lifting handles to working order as per plan.	No.	1.00		
	TOTAL FOR WATER SUPPLY AND DRAINAGE CARRIED TO SUMMARY:			SLRs.	
J	<u>PAINTINGS</u>				
	Rate shall include for All preparation of surfaces, cleaning down, smoothing, Knotting slopping etc. production of floor & filling removing and replacing doors and windows furniture & cleaning window etc.upon completion.				
J.01	Allow for applying two coats of emulsion paint to all internal and external faces of wall	Sq.m	60.00		
J.02	Allow for applying two coats of floor paint to plinth.	Sq.m	18.00		
J.03	Allow for applying two coats of white emulsion paint to column, beam.	Sq.m	69.00		
	TOTAL FOR PAINTINGS CARRIED TO SUMMARY:			SLRs.	

CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY
BILLS OF QUANTITIES

SUMMARY OF BILL NO.03

ITEM #	DESCRIPTION OF WORK	AMOUNT	
A	Excavation		
B	Concreter		
C	Reinforcement		
D	Formwork		
E	Masonry Work		
F	Plasterer		
G	Roofer and Roof Plumber		
H	Electrical Work		
I	Water supply and drainage		
J	Paintings		
TOTAL FOR BILL NO. 03-CONSTRUCTION OF FISH MARKET CARRIED TO GRAND SUMMARY:		SLRs.	

CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY

BILLS OF QUANTITIES

BILL NO. 04-CONSTRUCTION OF VEGETABLE MARKET

ITEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A	<u>EXCAVATION/DEMOLISHING</u>				
A.01	Demolishing existing foundation in concrete when excavation	Cu.m	1.00		
A.02	Demolishing existing foundation in Rubble or Brick when excavation	Cu.m	1.50		
A.03	Excavation for foundation of columns and walls in any materials met with except rock requiring blasting,part return fill in and ram and surplus disposed of as directed.	Cu.m	9.00		
A.04	Approved gravel filling under floor well compacted with water by 225mm layer and rammed.	Cu.m	13.00		
A.05	Filling in front of the building with approved quality of gravel, spread, watered and well compacted.	Cu.m	10.00		
	TOTAL FOR EXCAVATION CARRIED TO SUMMARY:			SLRs.	
B	<u>CONCRETER</u>				
B.01	50mm thick 1:3:6(40mm) cement sand mix lean concrete in columns footing.	Sq.m	6.50		
B.02	100 mm thick 1:3:6(40mm) cement sand mix lean concrete in wall foundation.	Cu.m	1.50		
B.03	75 mm thick 1:2 1/2:5 (25 mm) cement sand concrete in floor.	Cu.m	2.25		
B.04	1:2:4(20 mm) cement sand mix concrete in Column footings.	Cu.m	1.30		
B.05	1:2:4 (20 mm)cement sand mix concrete in Column shaft up to roof level.	Cu.m	2.00		
B.06	1:2:4 (20 mm)cement sand mix concrete in roof beam.	Cu.m	1.80		
	TOTAL FOR CONCRETOR CARRIED TO SUMMARY:			SLRs.	
C	<u>REINFORCEMENT</u>				
C.01	10mm dia. tor steel in columns footing.	Kg.	60.00		
C.02	12mm dia. tor steel in columns shaft.	Kg.	160.00		
C.03	12mm dia. tor steel in roof beam.	Kg.	65.00		
C.04	10mm dia. tor steel in roof beam.	Kg.	50.00		
C.05	6mm dia mild steel links for columns.	Kg.	35.00		
C.06	6mm dia mild steel links for roof beam.	Kg.	25.00		
	TOTAL FOR REINFORCEMENT CARRIED TO SUMMARY:			SLRs.	

CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY

BILLS OF QUANTITIES

BILL NO. 04-CONSTRUCTION OF VEGETABLE MARKET

ITEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
D	<u>FORM WORK:</u>				
D.01	Form work to column shaft from footing to roof level.	Sq.m	35.00		
D.02	Form work in roof beam.	Sq.m	30.00		
	TOTAL FOR FORM WORK CARRIED TO SUMMARY:			SLRs.	
E	<u>MASONARY WORK</u>				
E.01	Random rubble masonry in cement and sand 1:5 mix up to D.P.C. Level.	Cu.m	7.50		
E.02	225mm thick brick work in cement and sand 1:5 mix	Cu.m	3.20		
	TOTAL FOR MASONARY WORK CARRIED TO SUMMARY:			SLRs.	
F	<u>PLASTERING</u>				
F.01	10mm thick Plastering in cement and sand 1:3 mix to columns	Sq.m	24.00		
F.02	10mm thick Plastering in cement and sand 1:3 mix to beam	Sq.m	23.00		
F.03	16mm thick Plastering in cement lime and sand 1:1:5 mix to internal plaster finished smooth	Sq.m	15.00		
F.04	12mm thick Rendering in cement and sand 1:2 mix neat cement floating to concrete floor.	Sq.m	30.00		
F.05	20mm thick Plinth plaster in cement and sand 1:3 mix finished smooth with Red colour neat cement floating.	Sq.m	10.00		
F.06	20mm thick Damp proof course in cement and sand 1:2 mix treated with two coats of hot tar on top and blinded with sand.	Sq.m	9.00		
	TOTAL FOR PLASTERER CARRIED TO SUMMARY:			SLRs.	

CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY

BILLS OF QUANTITIES

BILL NO. 04-CONSTRUCTION OF VEGETABLE MARKET

ITEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
G	<u>ROOFER AND ROOF PLUMBER</u>				
G.01	Supplying and roofing with 0.47mm thick colour coated Zink Aluminum metal roofing sheets on special class upper timber frame consist of 100mmx50mm rafters well smooth fair faces (using Plainer) at 900mm centers and 50mmx50mm bearers with maximum spacing of 1200mm center to center, 150mm x 50mm ridge plate and 100mm x 75mm wall plate all timber to be treated colour less wood preservative. (Quality of timber and Brand, Profile and Colour of the sheets should be approved by the engineer).	Sq.m	67.00		
G.02	Supplying, making and fixing 0.47mm thick Zink Aluminum ridge capping of girth 600mm to match the colour of the roof .Rate shall include all necessary fasteners,etc	L.m	11.00		
G.03	Supplying, making and fixing valance boards of minimum of 20mm finished thickness and 225mm width in Ginisapu and completing with necessary iron screws, etc. including one coat of primer and two coats of enamel paint.	L.m	60.00		
G.04	Supplying and fixing of 100mmx50mm collar to all rafters with necessary nails	Lm	11.00		
	TOTAL FOR ROOFER AND ROOF PLUMBER CARRIED TO SUMMARY:			SLRs.	
H	<u>ELECTRICAL</u>				
H.01	Supplying and fixing 5 amp socket out let with all specials. Rate shall include for necessary wiring etc.	Nos	1.00		
H.02	Supplying and fixing 23W CFL type pendant lamp all specials. Rate shall include for necessary wiring etc.	Nos	3.00		
H.03	Providing 63mm dia and 4000mm length G.I Pipe with 450mmx450mmx450mm excavation and 1:3:6(40) concrete for transmit electrical wire.	Lm	3.00		
	TOTAL FOR ELECTRICAL WORK CARRIED TO SUMMARY:			SLRs.	
I	<u>WATER SUPPLY AND DRAINAGE</u>				
I.01	Supplying and fixing of 25mm dia.Bib tap with necessary fittings	Nos.	1.00		
I.02	Supplying and laying 32mm dia 1000 type P.V.C. pipe with necessary fittings.	L.m	30.00		
I.03	Supplying and laying 20mm dia 1000 type P.V.C. pipe with necessary fittings.	L.m	20.00		
I.04	Supplying and fixing 25mm dia. PVC stop cock with necessary fittings.	No	1.00		
	TOTAL FOR WATER SUPPLY AND DRAINAGE CARRIED TO SUMMARY:			SLRs.	

CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY

BILLS OF QUANTITIES

BILL NO. 04-CONSTRUCTION OF VEGETABLE MARKET

ITEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
J	<u>DECORATOR AND PAINTER</u>				
J.01	Allow for applying two coats of emulsion paint to all internal and external faces of wall	Sq.m	15.00		
J.02	Allow for applying two coats of floor paint to plinth.	Sq.m	10.00		
J.03	Allow for applying two coats of white emulsion paint to column, beam.	Sq.m	47.00		
	TOTAL FOR DECORATOR AND PAINTER CARRIED TO SUMMARY:			SLRs.	

SUMMARY OF BILL NO.04

ITEM #	DESCRIPTION OF WORK	AMOUNT
A	Excavation	
B	Concreter	
C	Reinforcement	
D	Formwork	
E	Masonry Work	
F	Plasterer	
G	Roofer and Roof Plumber	
H	Electrical Work	
I	Water supply and drainage	
J	Paintings	
TOTAL FOR BILL NO. 04-CONSTRUCTION OF VEGETABLE MARKET CARRIED TO GRAND SUMMARY:		SLRs.

CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY

BILLS OF QUANTITIES

BILL NO. 05-CONSTRUCTION OF CHAIN LINK FENCING (152Lm) AND TOILET

ITEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A	<u>FENCING</u>				
A.01	Site clearing along the chain link fence and removing of bushes.	Item	1.00		
A.02	Removing of existing barbed wire and concrete post barbed wire rolled up and stack at site to hand over Pradesiya saba.	L.m	22.00		
A.03	Excavation in foundation for erect G.I post.	Cu.m	5.50		
A.04	600mmx375mmx375mm size 1:3:6(40mm)cement sand mix concrete to erect G.I post.	Cu.m	5.50		
A.05	Supplying and fixing PVC coated chain link mesh tied to PVC coated wire in 63mm (2") heavy duty G.I pipe in uprights and 31mm(1-1/4") fix to top and bottom welded properly embeded in 375mm x 375mm x 600mm pit and 1:2:4 (20mm) mix cement and sand concrete as per plan rate included one coats of anticorrosive and two coats of enamel paint	L.m	152.00		
A.06	Construction of 300mm x 300mm concrete column up to 1.95m height with 4 nos 12mm dia tor steel 6mm dia links at 200mm crs with shuttering and plastering consist with 225 mm thick base concrete in 1200mm x 1200mm square footing in shuttering and 10mm dia tor steel at 150mm crs both ways to footing as per plan with two coats of emulsion paint (04Nos).	Nos	2.00		
A.07	Supplying and fixing ornamental gate size in 3600mm x 1950mm in two sashes comprise 63mm heavy duty G.I pipe outer and in bottom 25mm x 25mm box bar horizontally and 20mm x 3mm flat iron vertically welded strongly and Zn/Al aluminium heavy sheet welded in top included 1no handle with pad lock and locking device fixed 03 hinges at column rate included one coat of anticorrosive and two coats of enamel paint to all are in working order as per plan (02 Nos)	Sq.m	7.02		
	TOTAL FOR CONSTRUCTION OF FENCING CARRIED TO SUMMARY:			SLRs.	

CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY

BILLS OF QUANTITIES

BILL NO. 05-CONSTRUCTION OF CHAIN LINK FENCING (152Lm) AND TOILET

ITEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B	<u>TOILET</u>				
	<u>EXCAVATION AND FILLING</u>				
B.01	Excavation for wall and columns foundation.	Cu.m	6.50		
B.02	Approved imported gravel filling under floor well compacted with water by 225mm layer and rammed.	Cu.m	4.00		
	<u>CONCRETER</u>				
B.03	75 mm thick 1:3:6(40mm) cement sand mix lean concrete to wall and column foundation	Sq.m	8.00		
B.04	75 mm thick 1:2 1/2:5(25mm)cement sand mix concrete for floor.	Sq.m	30.00		
B.05	1:2:4 (20mm) cement concrete in columns shaft.	Cu.m	1.20		
B.06	1:2:4 (20mm) cement concrete in columns footings.	Cu.m	1.30		
B.07	1:2:4 (20mm) cement concrete in beam.	Cu.m	0.40		
B.08	125mm thick 1:2:4 (20mm) cement concrete in Slab.	Cu.m	0.45		
	<u>REINFORCEMENT</u>				
B.09	10mm Tor Steel in footings.	Kg	47.00		
B.10	10mm Tor Steel in Slab.	Kg	32.00		
B.11	16mm Tor Steel in columns	Kg	151.00		
B.12	16mm Tor Steel in beams	Kg	30.00		
B.13	12mm Tor Steel in beam.	Kg	45.00		
B.14	6mm Mild Steel link for beam and columns	Kg	40.00		
	<u>FORMWORK</u>				
B.15	Form work in columns.	Sq.m	17.00		
B.16	Form work in beams.	Sq.m	12.00		
B.17	Form work in Slab.	Sq.m	7.00		
	<u>MASONRY</u>				
B.18	Random rubble masonry in cement and sand 1:5 mix.	Cu.m	5.00		
B.19	225mm thick brick work in cement and sand 1:5 mix.	Cu.m	6.00		
B.20	112mm thick brick work in cement and sand 1:5 mix.	Sq.m	10.00		
	<u>DOORS AND WINDOWS</u>				
B.21	Supplying and fixing of Aluminium door size in 750mmx1950mm with section bar frame and aluminium glazing sash in 2 sides with 2 nos 100mm barrel bolt and neccessary Hinges (02 nos)	Sq.m	2.95		
B.22	Supplying and fixing of Aluminium door size in 1200mmx1950mm with section bar frame and aluminium glazing sash in 2 sides with 2 nos 100mm barrel bolt and neccessary Hinges (01 no)	Sq.m	2.34		

CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY

BILLS OF QUANTITIES

BILL NO. 05-CONSTRUCTION OF CHAIN LINK FENCING (152Lm) AND TOILET

ITEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>ROOF</u>				
B.23	Supplying and lean roofing with 0.47mm thick colour coated Zink Aluminum metal roofing sheets on special class upper timber frame consist of 100mmx50mm rafters at 900mm centers and 50mmx50mm bearers with maximum spacing of 1200mm center to center, and 100mm x 75mm wall plate all timber to be treated colour less wood preservative. (Quality of timber and Brand, Profile and Colour of the sheets should be approved by the engineer).	Sq.m	9.50		
B.24	Supplying, making and fixing valance boards of minimum of 20mm finished thickness and 225mm width in Ginisapu and completing with necessary iron screws, etc. including one coat of primer and two coats of enamel paint.	L.m	8.00		
	<u>PLASTERING</u>				
B.25	16mm thick Plastering in cement lime and sand 1:1:5 mix to external wall finished semi-rough to all faces to walls.	Sq.m	17.00		
B.26	16mm thick Plastering in cement lime and sand 1:1:5 mix to internal walls finished smooth.	Sq.m	19.00		
B.27	10mm thick Plastering in cement and sand 1:3 mix finished smooth with lime putty to Slab.	Sq.m	7.00		
B.28	20mm thick Damp proof course in cement and sand 1:2 mix treated with two coats of hot tar on top and blinded with sand.	Sq.m	7.00		
B.29	20mm thick Plinth Plastering in cement lime and sand 1:3 mix finished with red cement floating.	Sq.m	8.00		
B.30	12mm thick Rendering in cement and sand 1:2 mix neat cement floating to concrete floor.	Sq.m	3.00		
	<u>TILING</u>				
B.31	Floor tiles 300mmx300mm coloured non skid floor ceramic tiles Lanka/Rocell or equivalent with all special corner etc. applied and fixed to floor including raking plastering and bedding in cement motor 1:2 mix.	Sq.m	10.00		

CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY

BILLS OF QUANTITIES

BILL NO. 05-CONSTRUCTION OF CHAIN LINK FENCING (152Lm) AND TOILET

ITEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<u>WATER SUPPLY</u>				
B.32	Supplying and fixing 20mm dia. Bib tap with necessary fittings.	No	3.00		
B.33	Supplying and laying 25mm dia 1000 type P.V.C. pipe with necessary fittings rate included excavation and filling.	L.m	15.00		
B.34	Supplying and laying 40mm dia 1000 type P.V.C. pipe with necessary fittings.	L.m	15.00		
B.35	Supplying and laying 20mm dia 1000 type P.V.C. pipe with necessary fittings rate included excavation and filling.	L.m	20.00		
B.36	Supplying and fixing 32mm dia P.V.C. stop cock with special.	No.	1.00		
B.37	Collecting pit 150mm x 150mm x 100mm deep internally built in 75mm thick cement concrete 1:2:4 (20mm) sides and bottom including 12mm thick cement & sand 1:2 smooth with neat cement floating to all exposed faces and cast rendering finished plastic grating on top complete with inlet & outlet connection.	No.	3.00		
B.38	Supplying and fixing squatting Pan large size with two necessary ceramic pedestal.	No.	2.00		
B.39	Supply and fixing of ceramic commode with ceramic low level cisten all in one set flush pipe double plastic seat cover 12mm stop cock, trap including bid shower to working order	No.	1.00		
B.40	Soakage pit size in 2700mm x1650mm x1800mm deep built in 225mm thick brick to full depth in cement and sand 1:5 mix for excavation and 12mm thick neat cement rendering with 75mm thick 1:3:6(40mm) concrete in 1st compartment and 16mm thick plastering with 75mm thick R.C.C cover slab R/F with 10 mm dia tor steel bars at 150mm center both ways and 1:2:4(20mm) concrete. Beam size in 225mm x 150mm 1:2:4(20mm) concrete with 2nos 12mm dia tor steel with 3Nos lifting handles to working order as per plan.	No.	1.00		
B.41	Man hole size in 600mm x600mm internally built in 225mm thick brick work including plastering in exposed faces and make proper slope drainage with neat cement floating including 75mm thick 1:2:4(20mm) cover slab with lifting handle to working order as per plan.	No.	3.00		
B.42	110mm dia PVC 400 type pipe extended from manhole to the manhole and up to sockage pit with average invert depth not exceeding 600mm including excavation and back filling bedding on a layer of cement concrete 1:4 :8 (37.5mm) 100mm thick and 100mm wide in each side of the pipe and subsequently encasing with the same concrete after inspection of the pipe.	L.m	12.00		
B.43	Supplying and fixing of good quality 2000 lit plastic water tank.	No.	1.00		

CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY

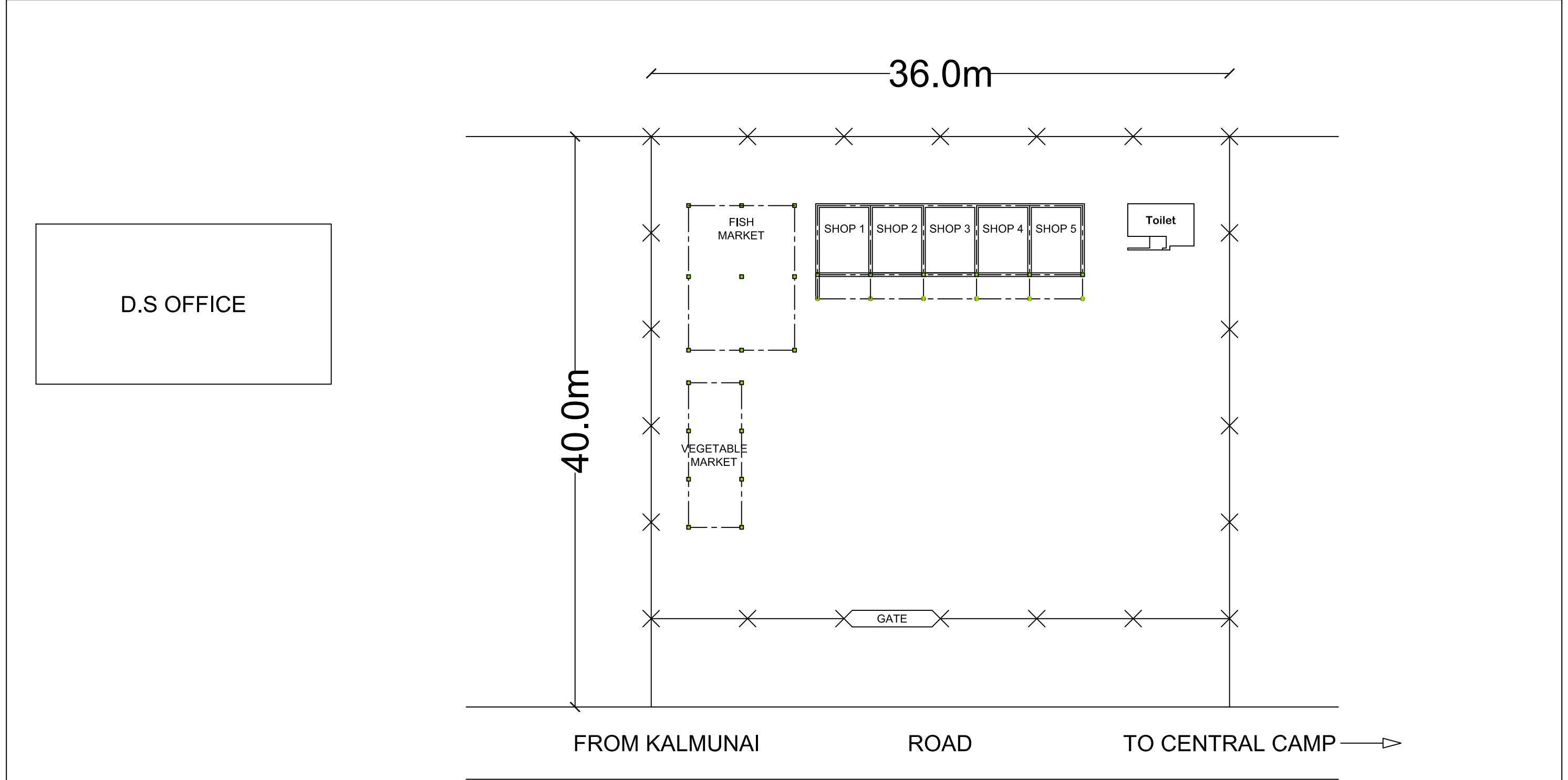
BILLS OF QUANTITIES



BILL NO. 05-CONSTRUCTION OF CHAIN LINK FENCING (152Lm) AND TOILET

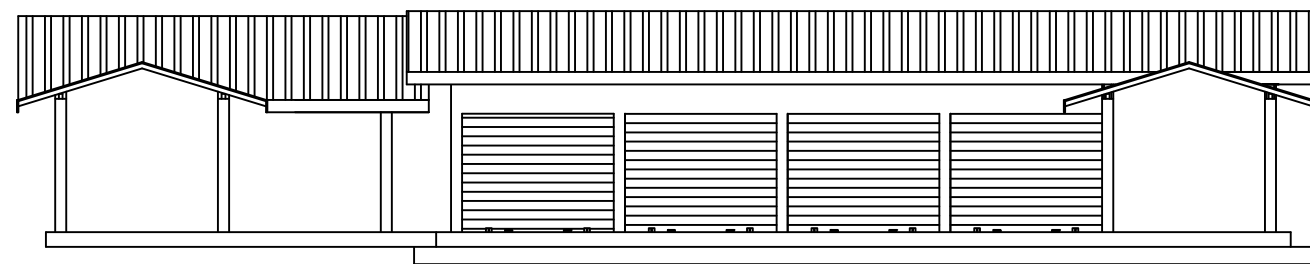
ITEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B.44	<u>ELECTRICAL</u> Supplying and fixing of pendent lamp with 23W CFL type lamp all specials. Rate shall include for necessary wiring etc.	No.	3.00		
B.45	Supplying and fixing 7/053 twin wire 15Amp to get connection from DB Box to building.	L.m	30.00		
B.46	<u>PAINTING</u> 2 coats of emulsion paint to all walls.	Sq.m	38.00		
B.47	2 coats of white emulsion paint to slab.	Sq.m	7.00		
B.48	2 coats of white enamel paint to plinth.	Sq.m	8.00		
	TOTAL FOR CONSTRUCTION OF TOILET CARRIED TO SUMMARY:			SLRs.	

SUMMARY OF BILL NO.05

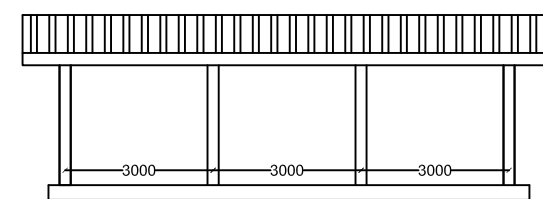
ITEM #	DESCRIPTION OF WORK	AMOUNT
A	Construction of Fence	
B	Construction of Toilet	
	TOTAL FOR BILL NO. 05-CONSTRUCTION OF CHAIN LINK FENCING (152Lm) AND TOILET CARRIED TO GRAND SUMMARY:	SLRs.



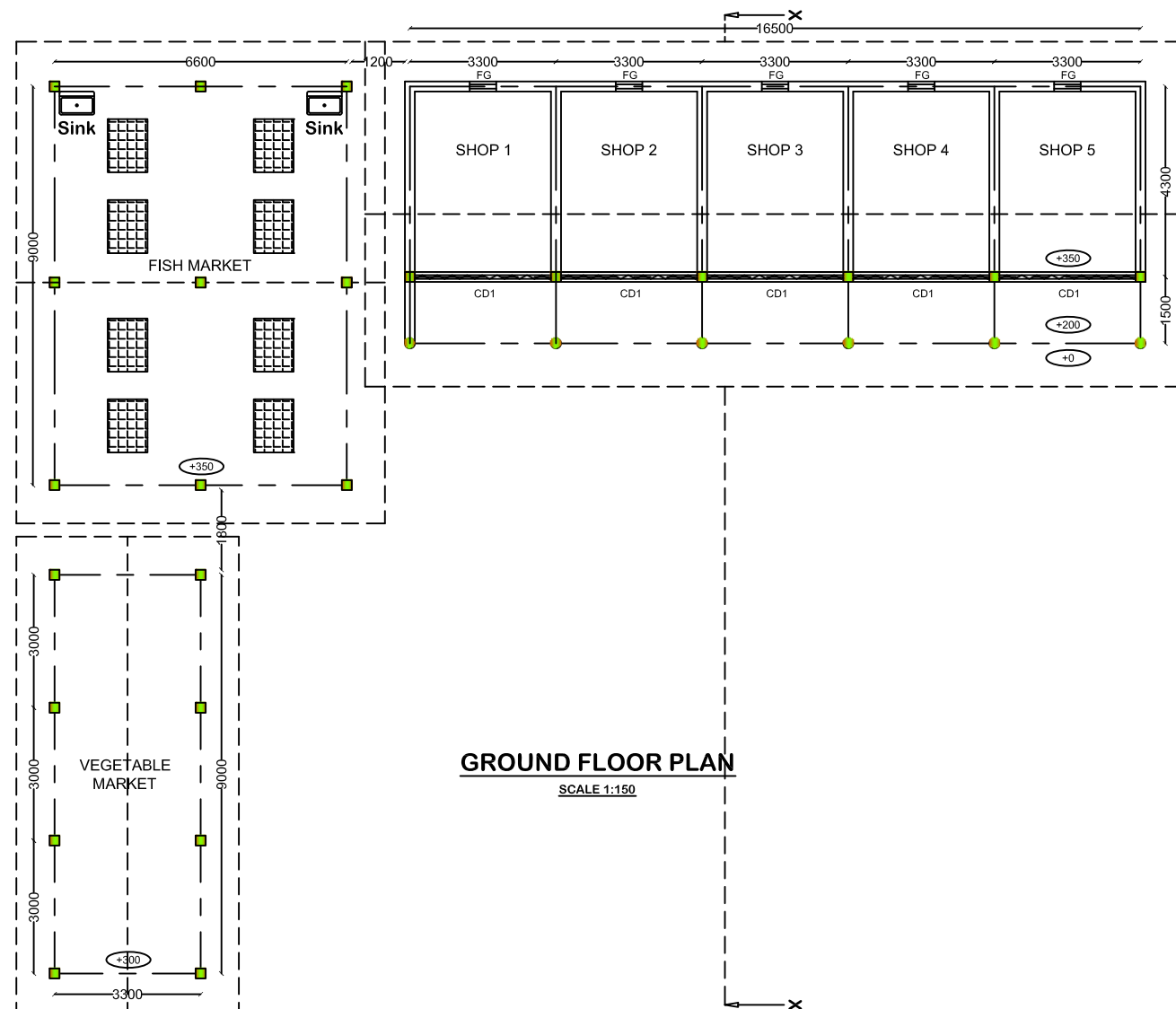
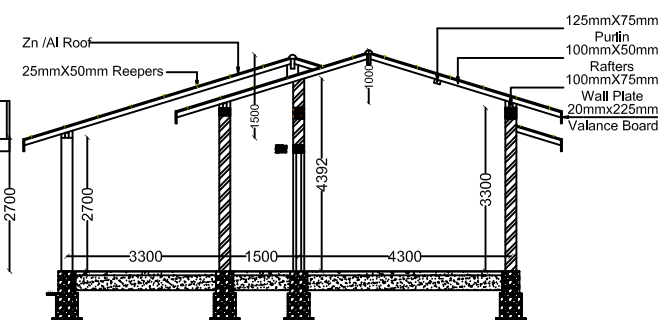
<div><div>UNITED NATIONS DEVELOPMENT PROGRAMMED</div></div>	CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY.	<div><div>RESOURCES DEVELOPMENT CONSULTANTS (PVT) LTD, No: 55-2/1, Galle Road, Colombo - 03</div></div>	DRAWING TITLE		SITE LAYOUT		
			DRAWN		JM.ASEEM (DRAFTSMAN)		
			CHECKED		Eng. A.VIMALANATHAN (SPE)		
			DATE		05.08.2015		
			SCALE		NOT TO SCALE	All dimension are mm	
			DRAWING NO		UNDP/AM/CPMN/LAY/001	REV. NO	



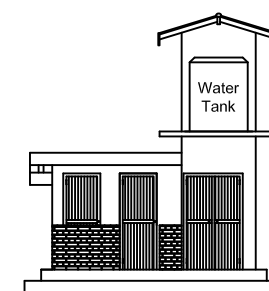
FRONT ELEVATION



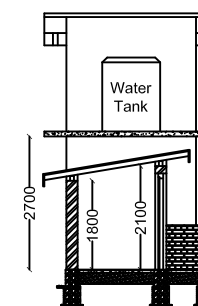
SECTION X-X



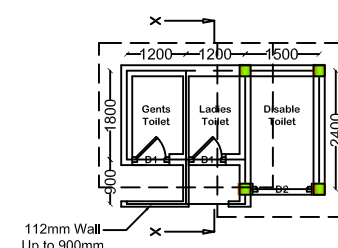
GROUND FLOOR PLAN
SCALE 1:150



FRONT ELEVATION



SECTION X-X



PLAN (TOILET BLOCK)
SCALE 1:150



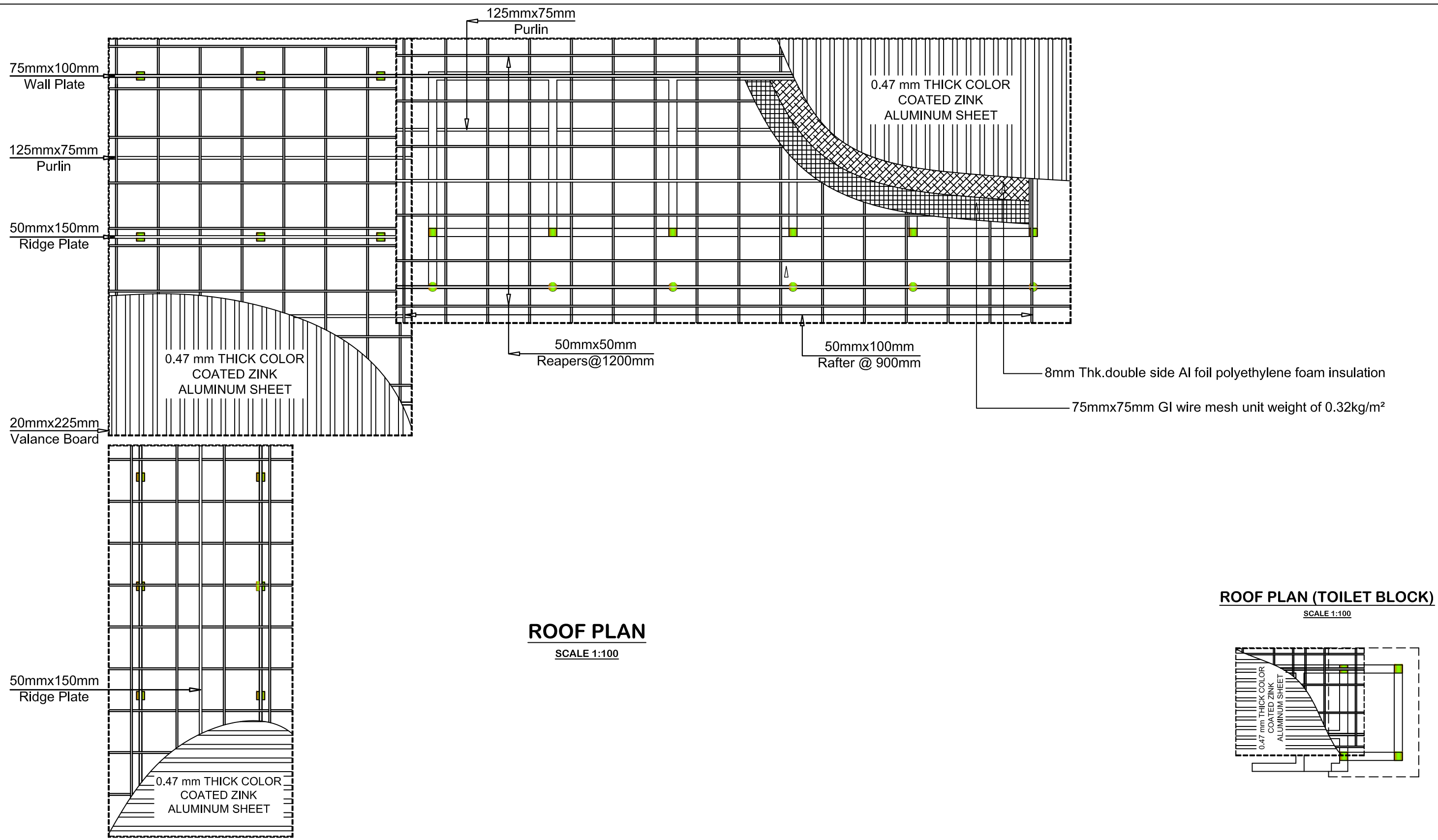
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CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY.



RESOURCES DEVELOPMENT
CONSULTANTS (PVT) LTD,
No: 55-2/1, Galle Road,
Colombo - 03

DRAWING TITLE		PLAN,ELEVATION AND SECTION	
DRAWN		JM.ASEEM (DRAFTSMAN)	
CHECKED		Eng. A.VIMALANATHAN (SPE)	
DATE		05.08.2015	
SCALE		1:150	All dimension are mm
DRAWING NO		UNDP/AM/CPMN/Ar/001	REV. NO



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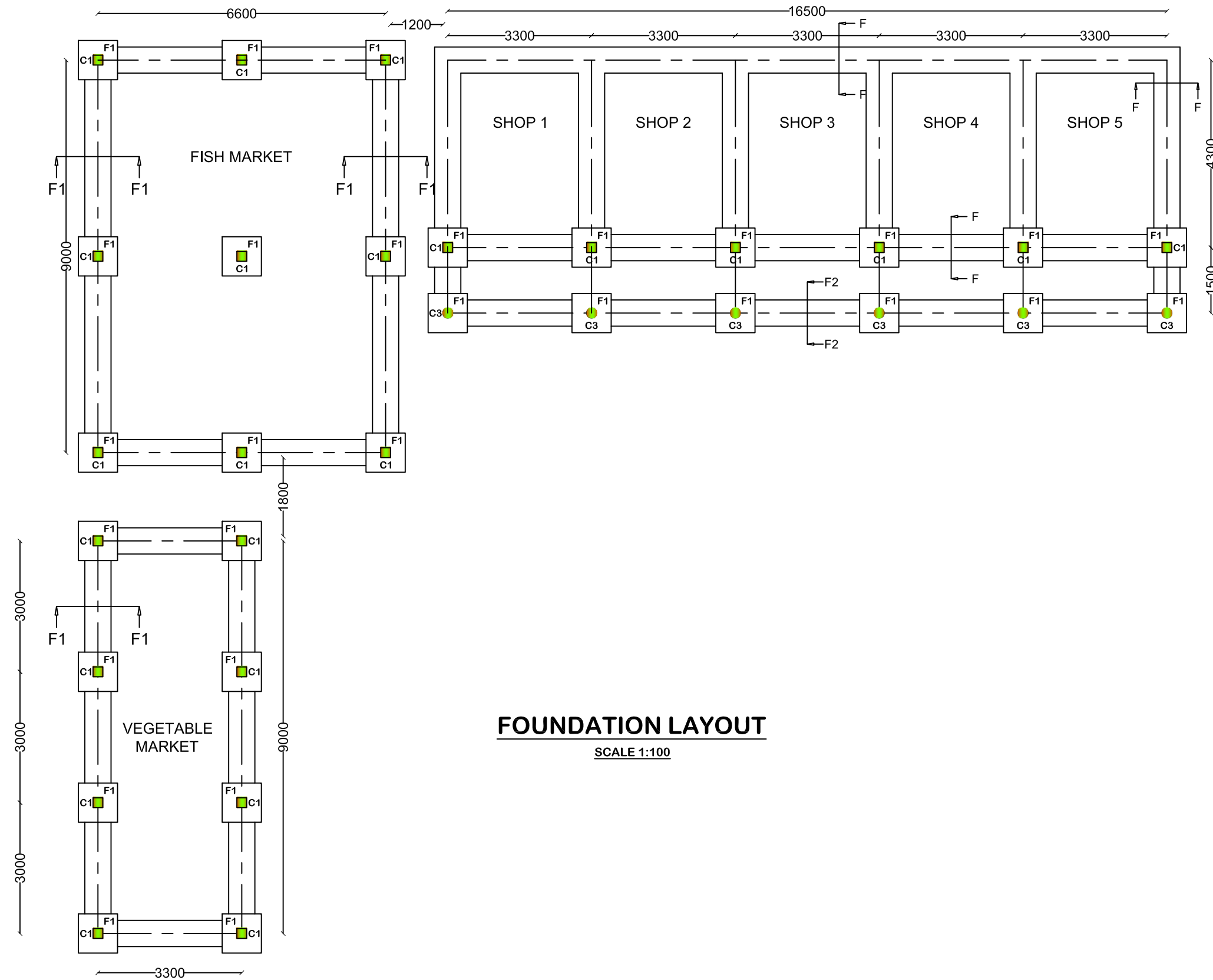
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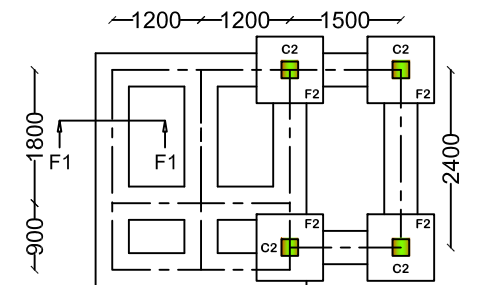
RESOURCES DEVELOPMENT
CONSULTANTS (PVT) LTD,
No: 55-2/1, Galle Road,
Colombo - 03

DRAWING TITLE	ROOF DETAILS		
DRAWN	JM.ASEEM (DRAFTSMAN)		
CHECKED	Eng. A.VIMALANATHAN (SPE)		
DATE	05.08.2015		
SCALE	1:100	All dimension are mm	
DRAWING NO	UNDP/AM/CPMN/Ar/002	REV. NO	



FOUNDATION LAYOUT

SCALE 1:100



FOUNDATION LAYOUT

SCALE 1:100



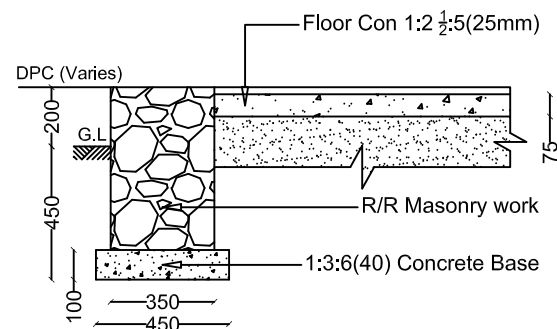
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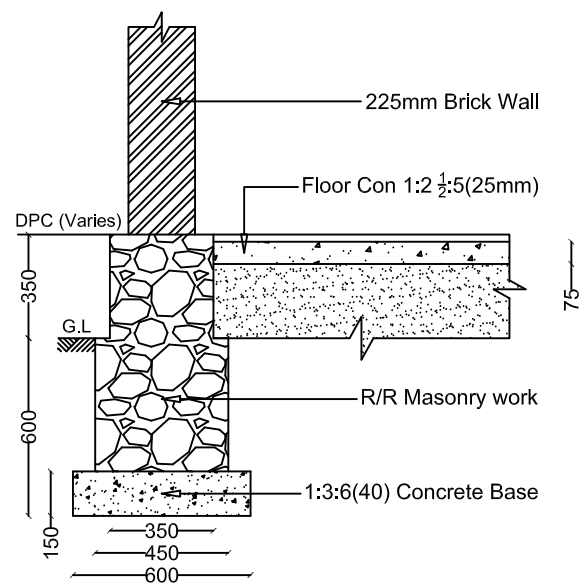


RESOURCES DEVELOPMENT
CONSULTANTS (PVT) LTD,
No: 55-2/1, Galle Road,
Colombo - 03

DRAWING TITLE	COLUMN , WALL AND FOOTING DETAILS		
DRAWN	JM.ASEEM (DRAFTSMAN)		
CHECKED	Eng. A.VIMALANATHAN (SPE)		
DATE	05.08.2015		
SCALE	1:100	All dimension are mm	
DRAWING NO	UNDP/AM/CPMN/STR/001	REV. NO	



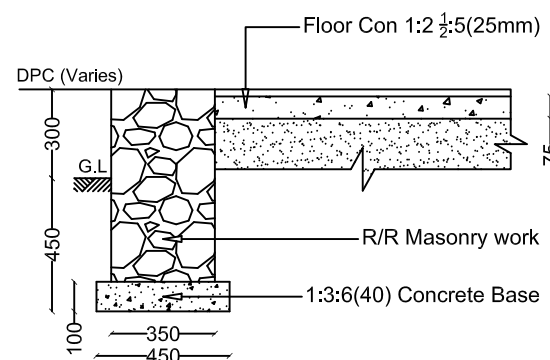
FOUNDATION DETAILS F2 - F2



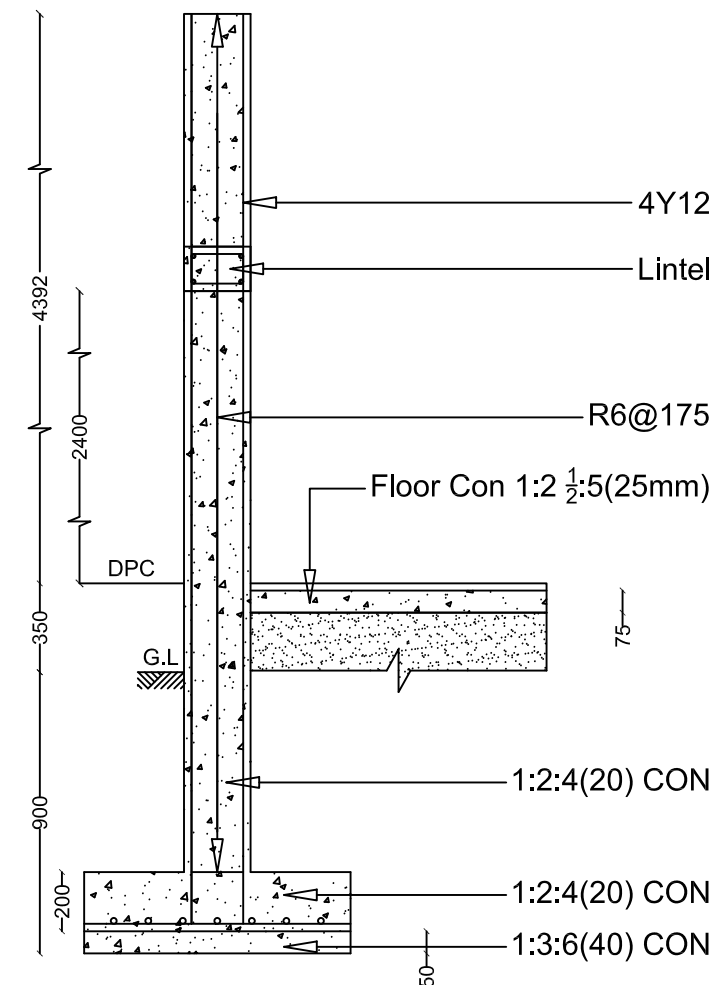
FOUNDATION DETAILS F - F

COLUMNS DETAILS			NOS
C1		4Y12 R6@175C/C	23
C2		4Y16 R6@150C/C	04
C3		6Y10 R6@175C/C	06

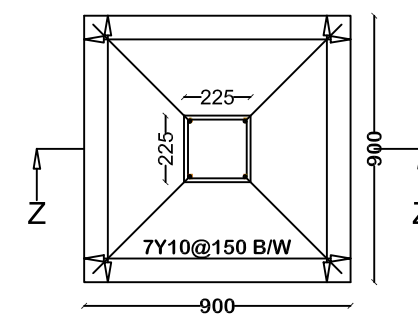
FOOTINGS DETAILS		
F1	900x900x200	Y10@150 B/W
F2	1200x1200x225	Y10@125 B/W



FOUNDATION DETAILS F1 - F1



SECTION Z-Z



COLUMN TYPE F1,C1



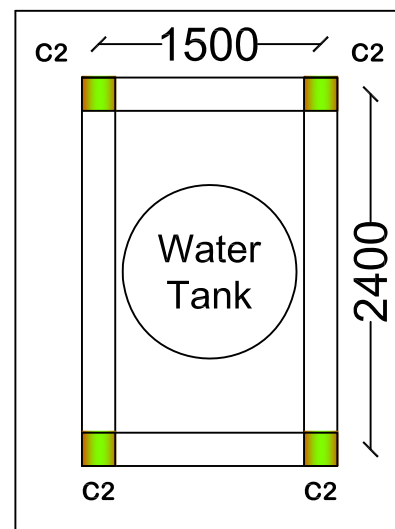
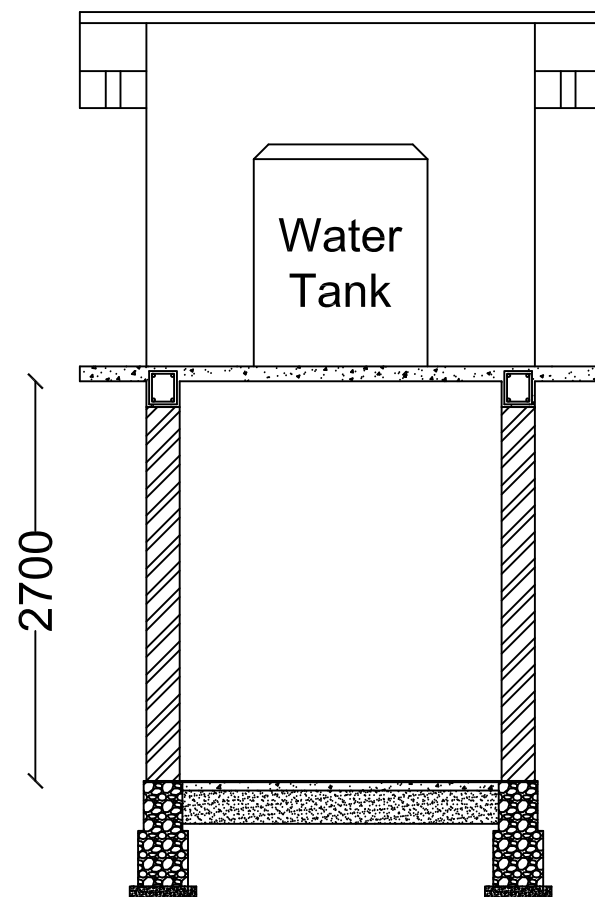
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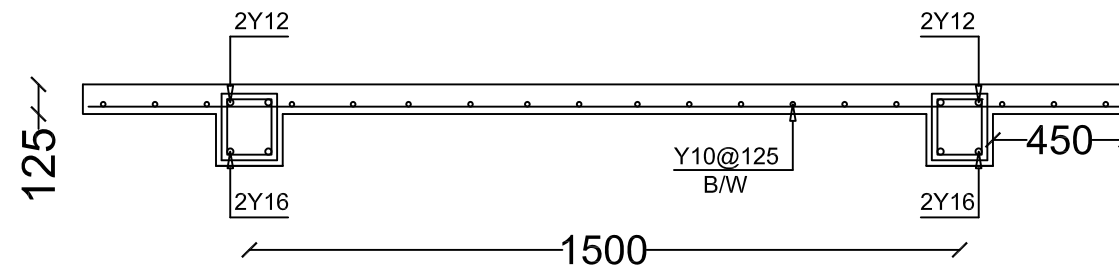


RESOURCES DEVELOPMENT
CONSULTANTS (PVT) LTD,
No: 55-2/1, Galle Road,
Colombo - 03

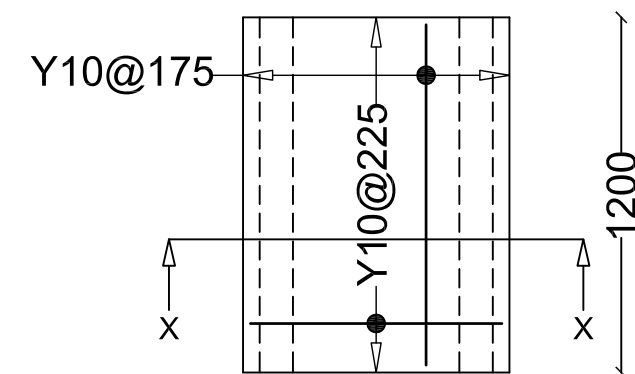
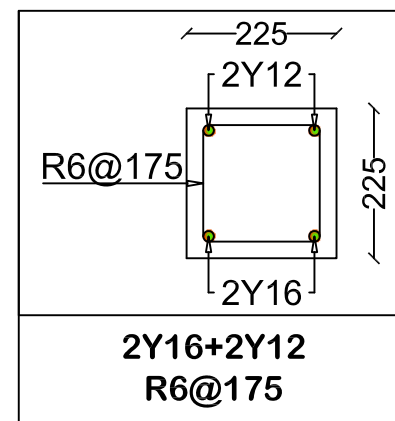
DRAWING TITLE		COLUMN , WALL AND FOOTING DETAILS	
DRAWN		JM.ASEEM (DRAFTSMAN)	
CHECKED		Eng. A.VIMALANATHAN (SPE)	
DATE		05.08.2015	
SCALE		1:25	All dimension are mm
DRAWING NO		UNDP/AM/CPMN/STR/002	REV. NO



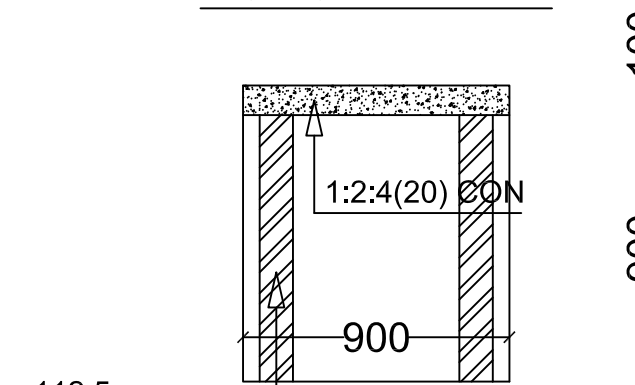
TOILET BLOCK PLAN (SLAB)



SLAB AND BEAM DETAILS



FISH STALL PLAN



112.5mm
thick wall

SECTION X-X



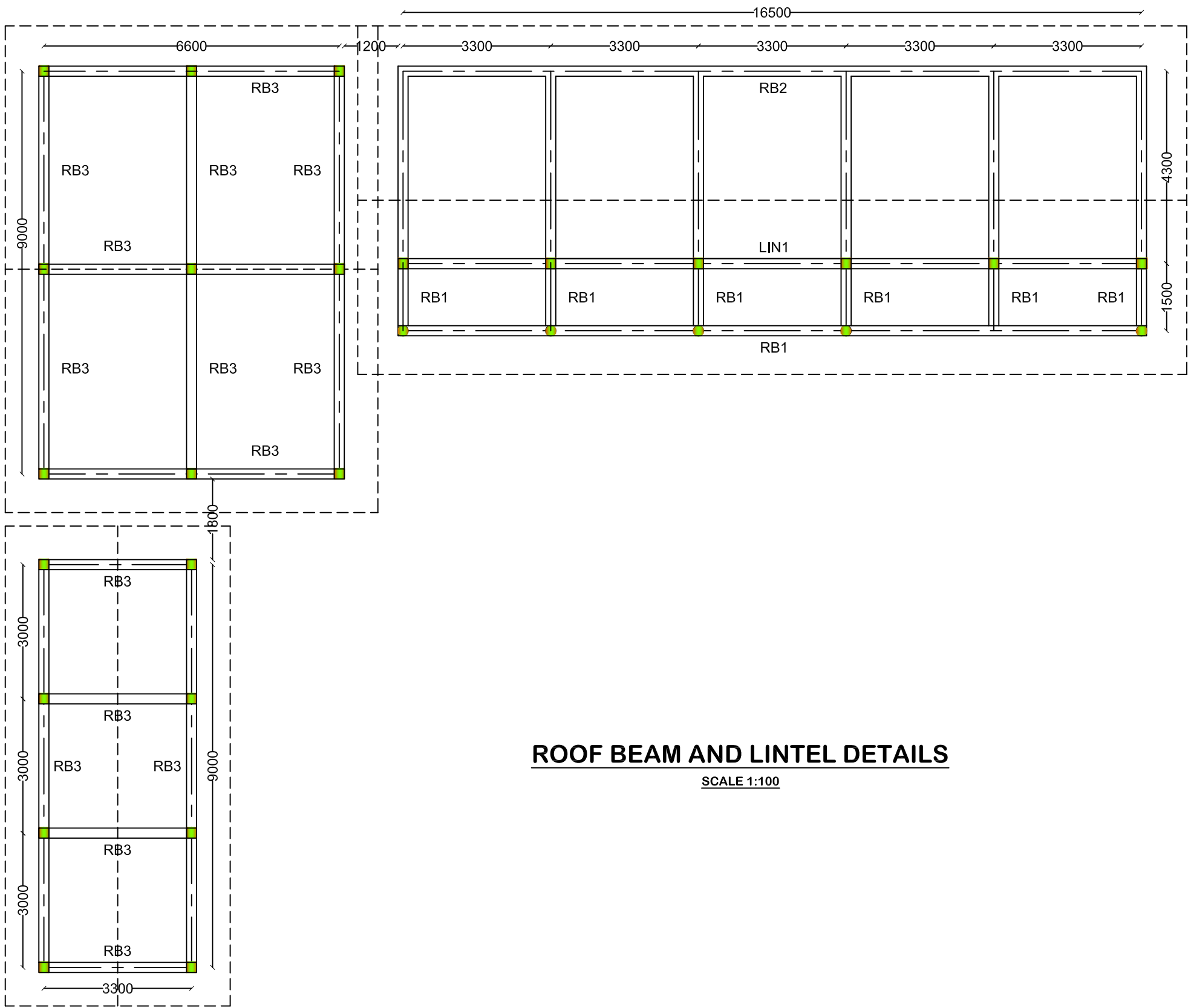
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RESOURCES DEVELOPMENT
CONSULTANTS (PVT) LTD,
No: 55-2/1, Galle Road,
Colombo - 03

DRAWING TITLE		WATER TANK AND FISH STALL DETAILS	
DRAWN		JM.ASEEM (DRAFTSMAN)	
CHECKED		Eng. A.VIMALANATHAN (SPE)	
DATE		11.08.2015	
SCALE		NOT TO SCALE	All dimension are mm
DRAWING NO		UNDP/AM/CPMN/STR/003	REV. NO



ROOF BEAM AND LINTEL DETAILS

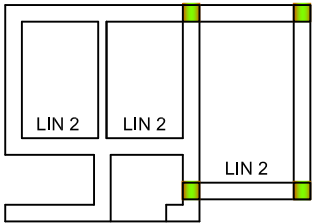
SCALE 1:100

TYPE	DETAILS	REINFORCEMENT	LEVEL
RB 1		2Y12+2Y10 R6@175	AT 3300 LEVEL
RB 2		2Y10 R6@200	AT 3300 LEVEL
RB 3		2Y12+2Y10 R6@175	AT 2700 LEVEL

TYPE	DETAILS	REINFORCEMENT	LEVEL
LIN 1 (LINTEL)		2Y12+2Y10 R6@175	AT 2400 LEVEL
LIN 2 (LINTEL)		2Y10 R6@150	AT 1950 LEVEL

PLAN (TOILET BLOCK)

SCALE 1:100



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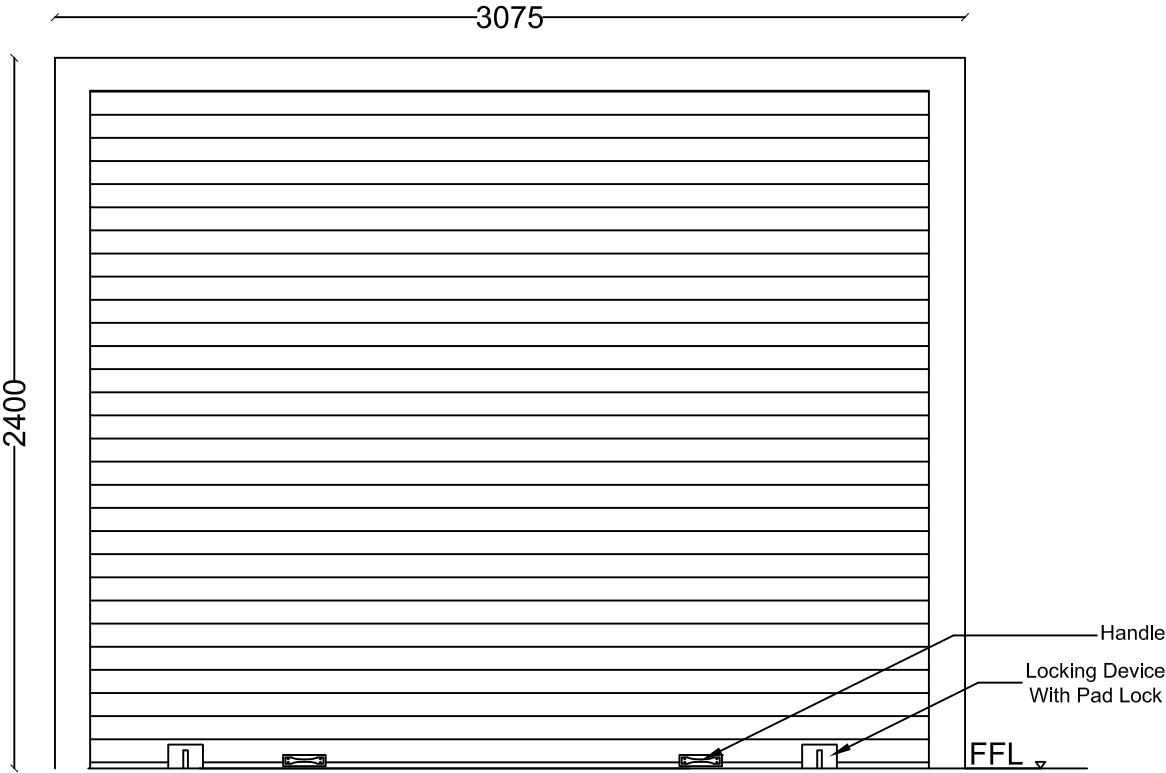
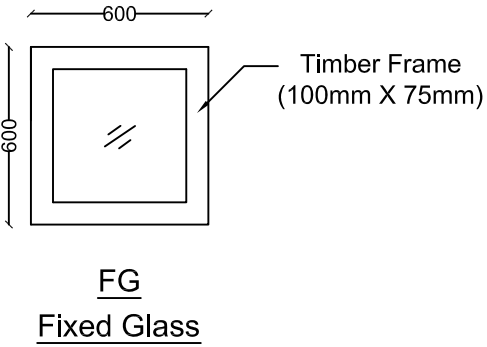
CONSTRUCTION OF PUBLIC MARKET
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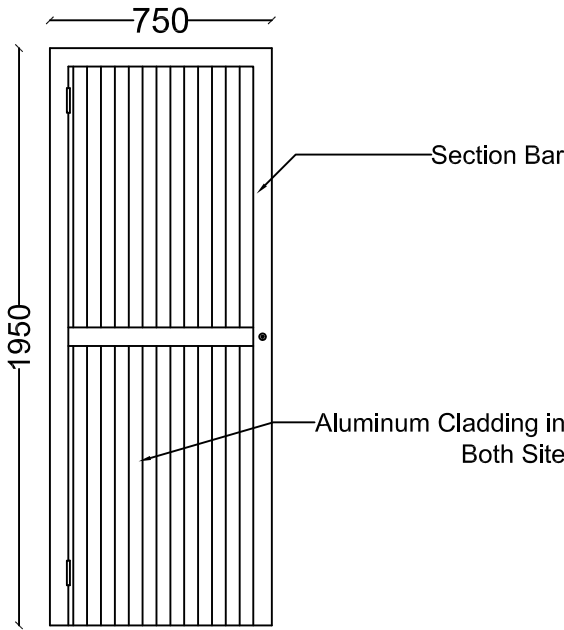
RESOURCES DEVELOPMENT
CONSULTANTS (PVT) LTD,
No: 55-2/1, Galle Road,
Colombo - 03

DRAWING TITLE	ROOF BEAM AND LINTEL		
DRAWN	JM.ASEEM (DRAFTSMAN)		
CHECKED	Eng. A.VIMALANATHAN (SPE)		
DATE	11.08.2015		
SCALE	1:100	All dimension are mm	
DRAWING NO	UNDP/AM/CPMN/STR/004	REV. NO	

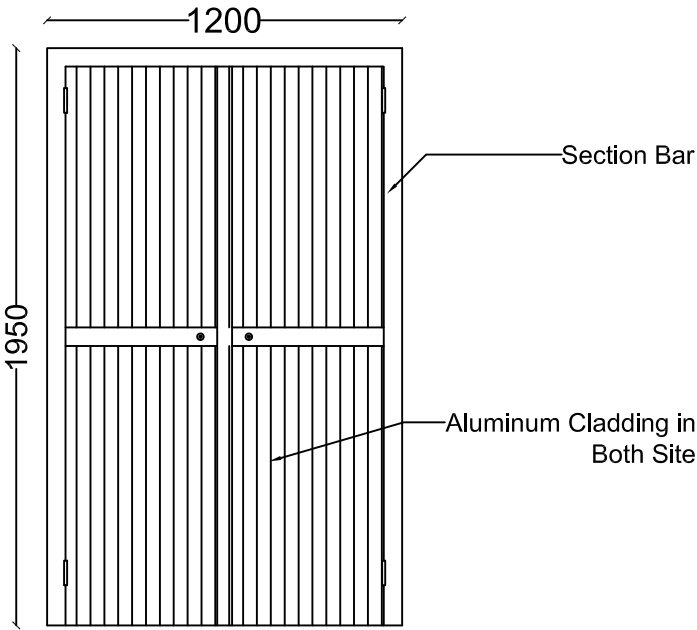
DETAILS OF OPENINGS			
ITEM	SIZE IN mm	DESCRIPTION	NOS
CD1	3075 x 2400	Roller Sutter	05
D1	750 x 1950	Aluminum Door	02
D2	1200 x 1950	Aluminum Door	01
FG	600 x 600	Fixed Glass	05



CD1 - Roller Shutter



D1
Aluminum Door (Toilet Block)



D2
Aluminum Door (Toilet Block)



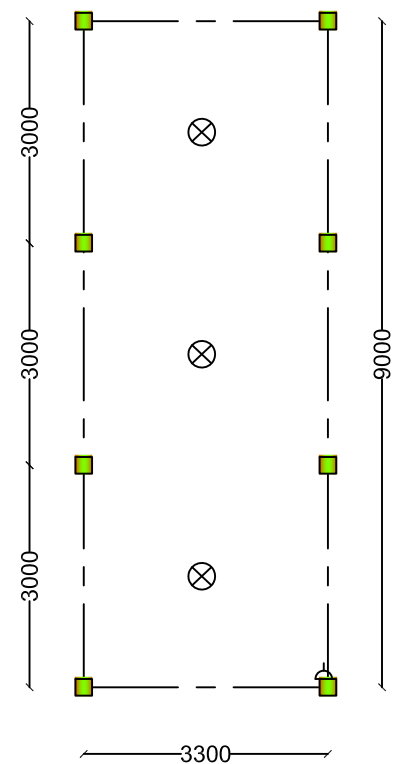
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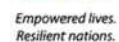
RESOURCES DEVELOPMENT
CONSULTANTS (PVT) LTD,
No: 55-2/1, Galle Road,
Colombo - 03

DRAWING TITLE	DOOR DETAILS		
DRAWN	JM.ASEEM (DRAFTSMAN)		
CHECKED	Eng. A.VIMALANATHAN (SPE)		
DATE	05.08.2015		
SCALE	1:25	All dimension are mm	
DRAWING NO	UNDP/AM/CPMN/DO/001	REV. NO	

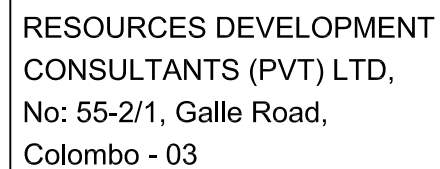


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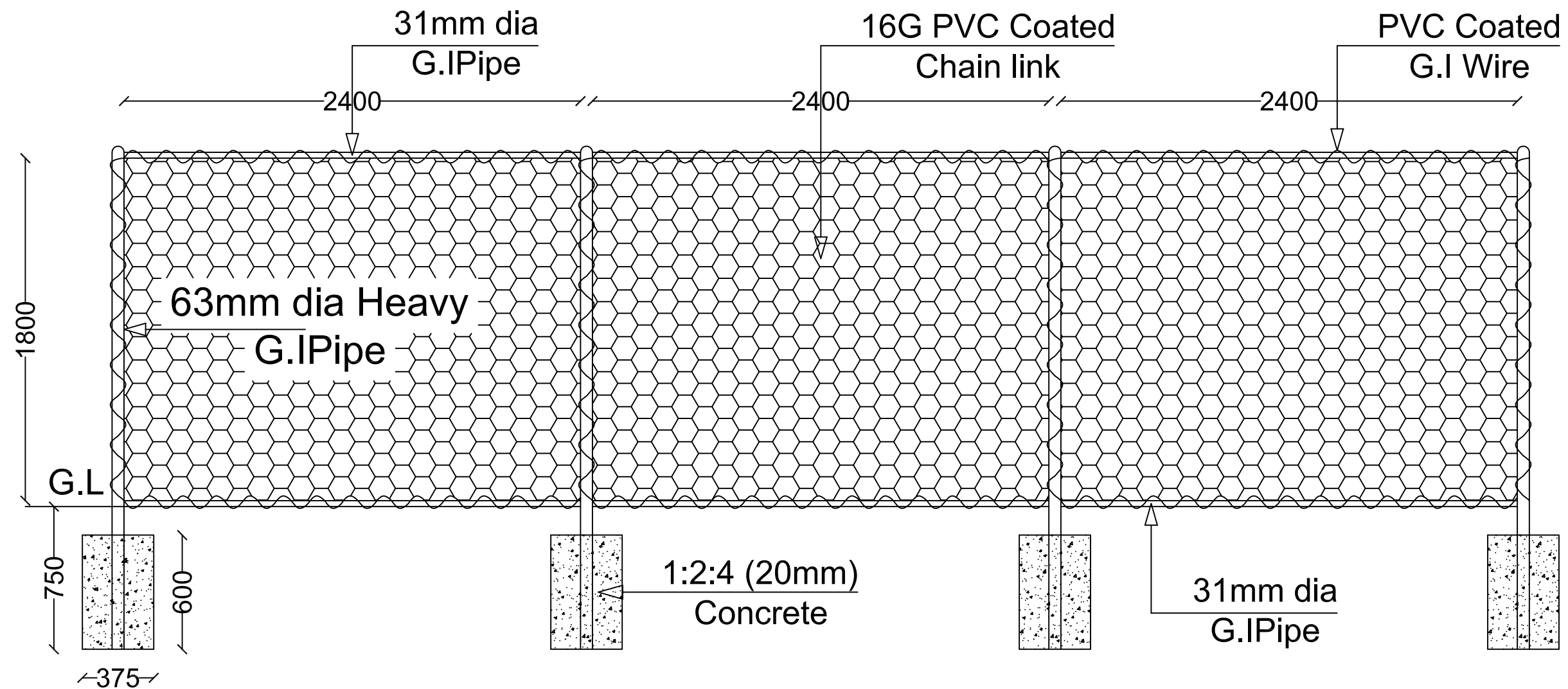
SCALE 1:100



CONSTRUCTION OF PUBLIC MARKET AT NAVITHANVELY.



DRAWING TITLE	ELECTRICAL LAYOUT		
DRAWN	JM.ASEEM (DRAFTSMAN)		
CHECKED	Eng. A.VIMALANATHAN (SPE)		
DATE	05.08.2015		
SCALE	1:100	All dimension are mm	
DRAWING NO	UNDP/AM/CPMN/ELE/001	REV. NO	



FRONT ELEVATION

CHAIN LINK FENCE



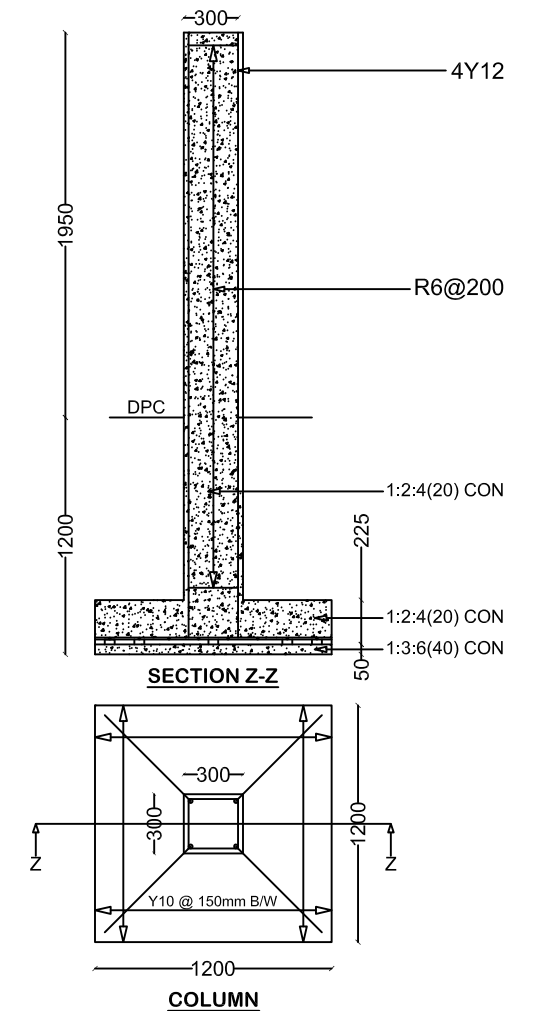
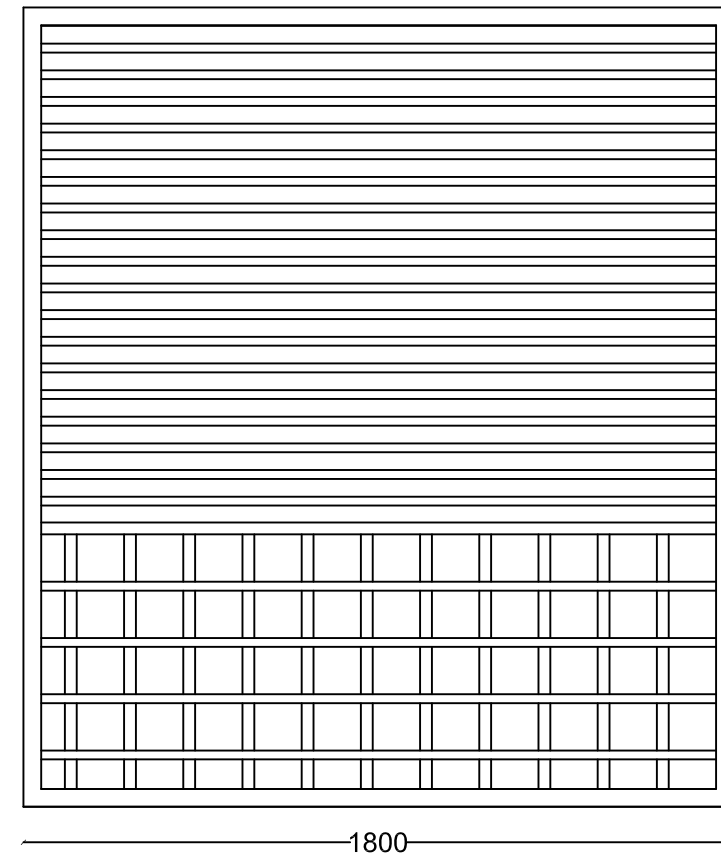
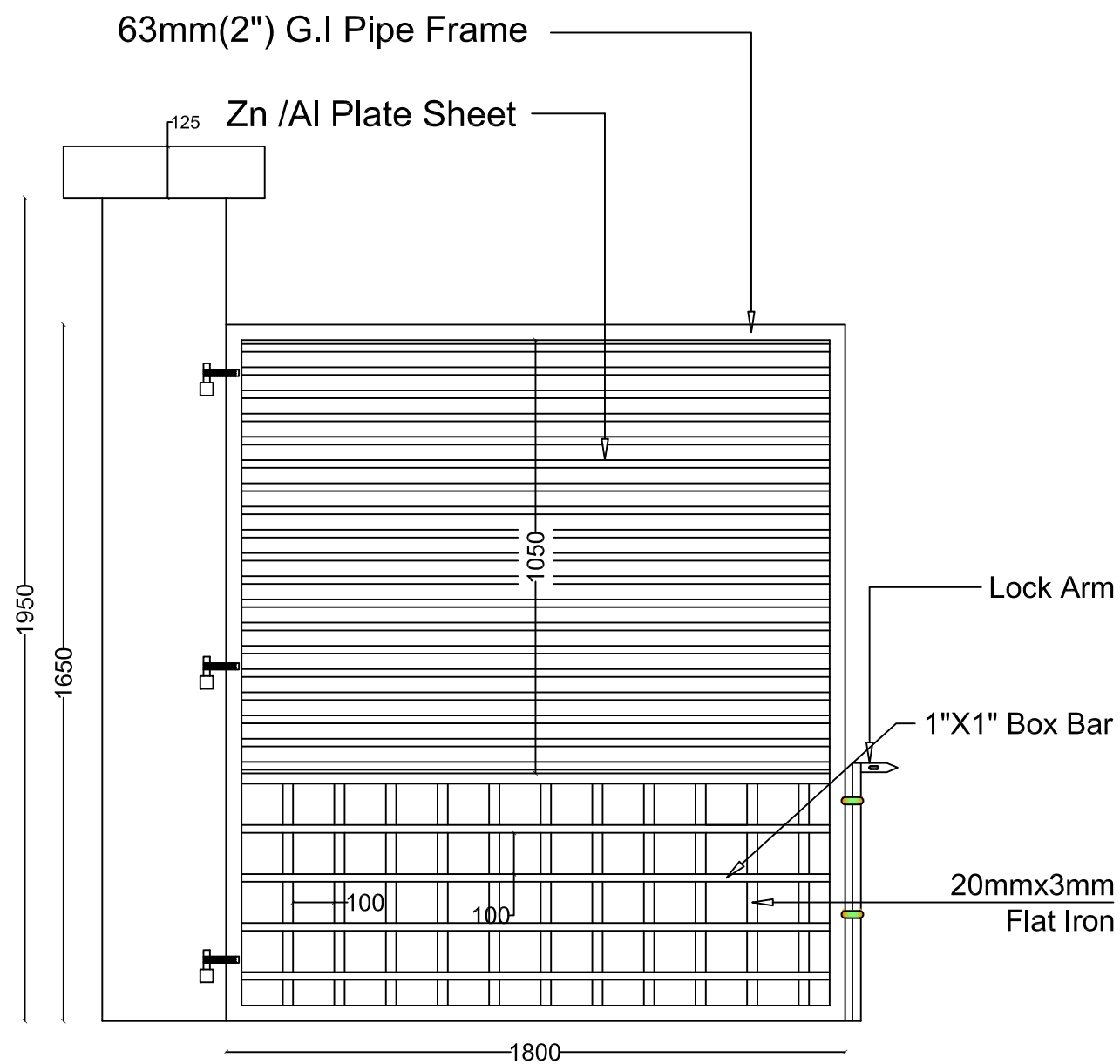
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CONSTRUCTION OF PUBLIC MARKET
AT NAVITHANVELY.



RESOURCES DEVELOPMENT
CONSULTANTS (PVT) LTD,
No: 55-2/1, Galle Road,
Colombo - 03

DRAWING TITLE	CHAIN LINK FENCE		
DRAWN	JM.ASEEM (DRAFTSMAN)		
CHECKED	Eng. A.VIMALANATHAN (SPE)		
DATE	11.08.2015		
SCALE	NOT TO SCALE	All dimension are mm	
DRAWING NO	UNDP/AM/CPMN/FE/001	REV. NO	



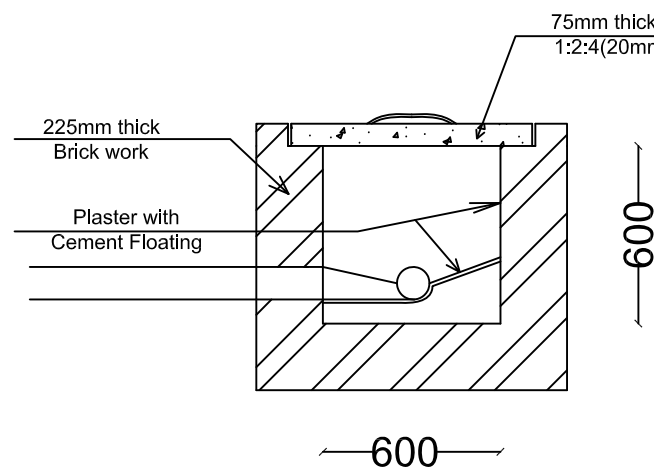
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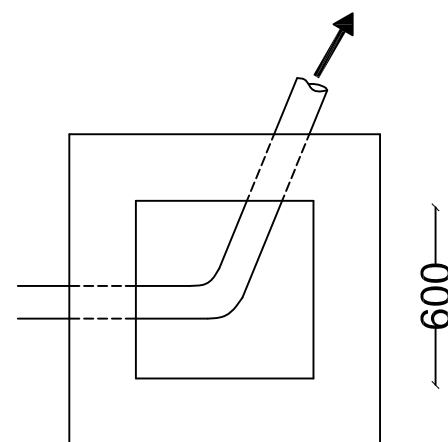


RESOURCES DEVELOPMENT
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No: 55-2/1, Galle Road,
Colombo - 03

DRAWING TITLE	ROOF BEAM AND LINTEL		
DRAWN	JM.ASEEM (DRAFTSMAN)		
CHECKED	Eng. A.VIMALANATHAN (SPE)		
DATE	11.08.2015		
SCALE	1:25	All dimension are mm	
DRAWING NO	UNDP/AM/CPMN/STR/004	REV. NO	

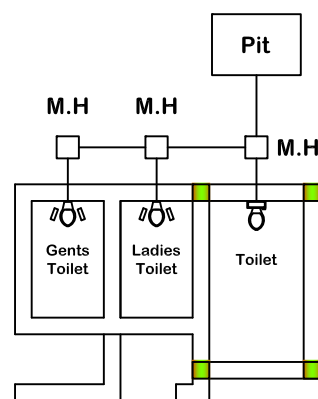


SECTIONAL ELEVATION



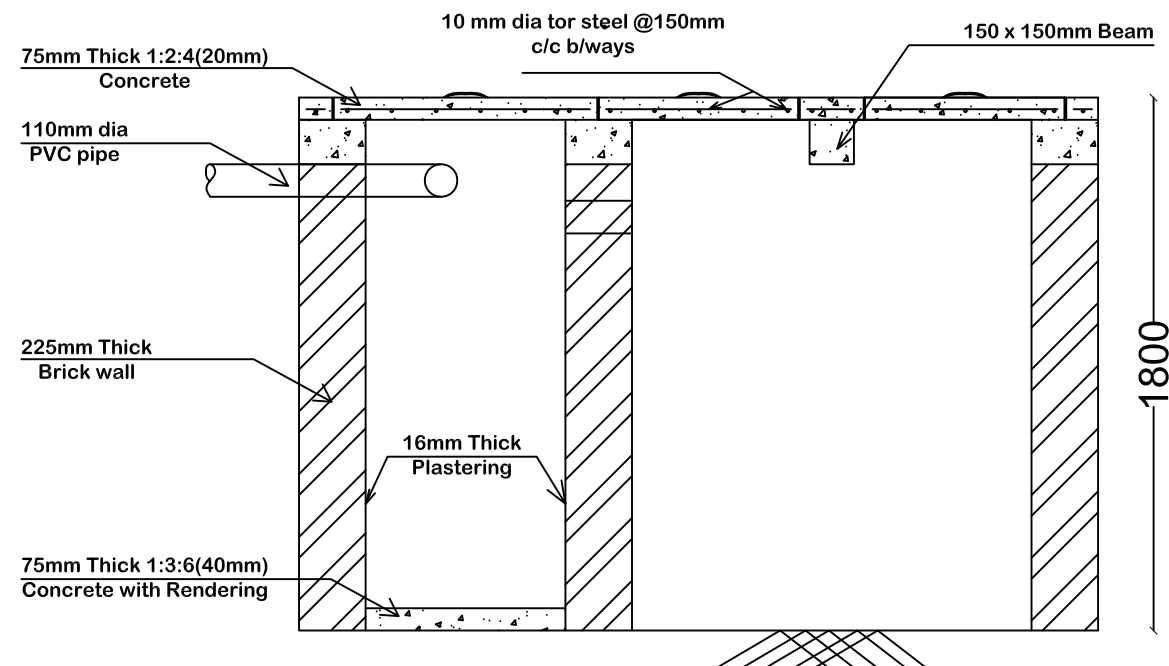
**PLAN
SEWER MAN HOLE**

Scale 1:25

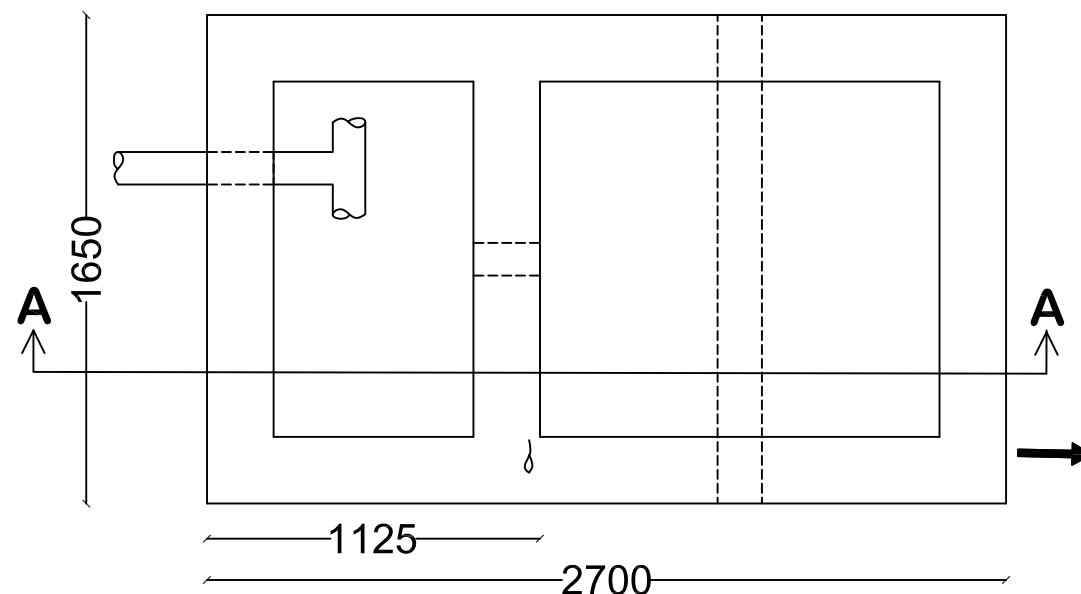


TOILET BLOCK

SCALE 1:100

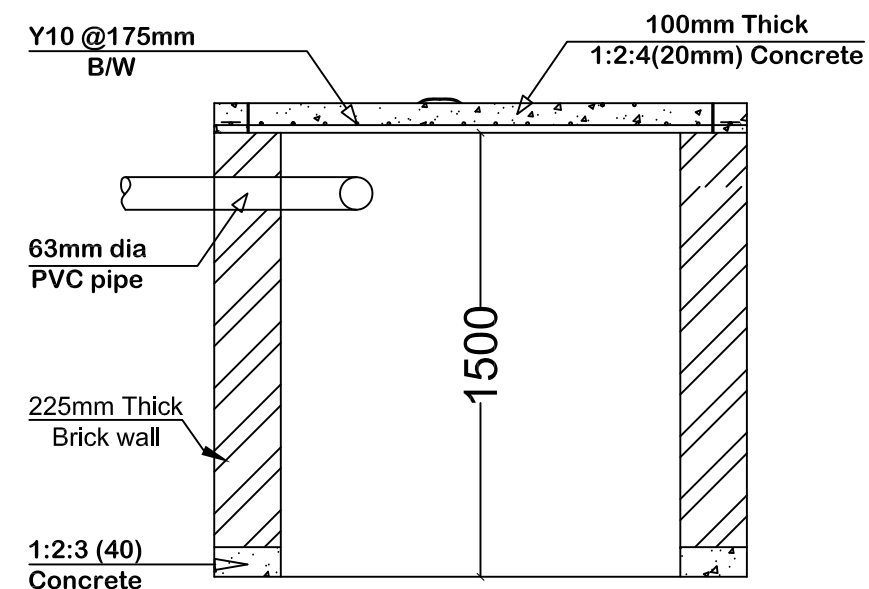


SECTIONAL ELEVATION (X-X)

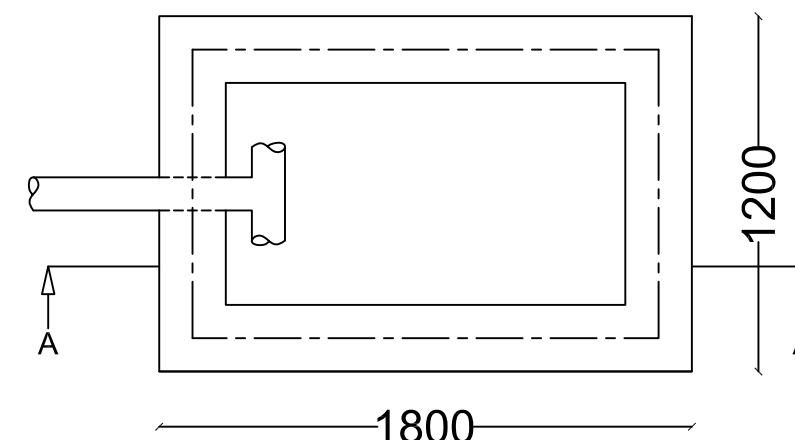


**PLAN
SOAKAGE PIT**

Scale 1:25



SECTIONAL ELEVATION (A-A)



**PLAN
WASTE WATER PIT**

SCALE 1:25



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RESOURCES DEVELOPMENT
CONSULTANTS (PVT) LTD,
No: 55-2/1, Galle Road,
Colombo - 03

DRAWING TITLE		DRAINAGE	
DRAWN		JM.ASEEM (DRAFTSMAN)	
CHECKED		Eng. A.VIMALANATHAN (SPE)	
DATE		11.08.2015	
SCALE		NOT TO SCALE	All dimension are mm
DRAWING NO		UNDP/AM/CPMN/Dra/001	REV. NO