



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>Bid Evaluation Criteria⁶</p> <p><input checked="" type="checkbox"/> Minimum no. of years of experience: [03 years];</p> <p><input checked="" type="checkbox"/> Minimum no. of construction projects in similar nature undertaken within last Five years: [03 projects];</p> <p><input checked="" type="checkbox"/> Minimum no. of construction projects in similar money volume of undertaken within last five years: [02 projects];</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 [click here to specify]</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.

<p>13. JV's Party Authorized Representative Information</p> <p>Name: <i>[insert name of JV's Party authorized representative]</i></p> <p>Address: <i>[insert address of JV's Party authorized representative]</i></p> <p>Telephone/Fax numbers: <i>[insert telephone/fax numbers of JV's Party authorized representative]</i></p> <p>Email Address: <i>[insert email address of JV's Party authorized representative]</i></p>
<p>14. Attached are copies of original documents of: <i>[check the box(es) of the attached original documents]</i></p> <p><input type="checkbox"/> All eligibility document requirements listed in the Data Sheet</p> <p><input type="checkbox"/> Articles of Incorporation or Registration of firm named in 2.</p> <p><input type="checkbox"/> In case of government owned entity, documents establishing legal and financial autonomy and compliance with commercial law.</p>

Section 6: Technical Bid Form¹¹

<p>INSERT TITLE OF THE ITB</p>

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

<p>SECTION 1: EXPERTISE OF FIRM/ ORGANISATION</p>
<p><i>This section should fully explain the Bidder's resources in terms of personnel and facilities necessary for the performance of this requirement.</i></p> <p>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.</p> <p>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.</p> <p>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.</p>

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</i> <i>Designation</i> <i>Organization</i> <i>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 TOURISM PROMOTION CENTER AT MANKULAM

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

The works under this Contract shall be executed in accordance with the Specifications given in the following documents issued by the Institute for Construction Training and Development (ICTAD), "Savsiripaya", Wijerama Mawatha, Colombo 07, as applicable. The specifications given in this Document, if any, shall take precedence over the ICTAD documents wherever relevant.

<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

Eligible bidders are expected to be fully acquainted with the above documents and hence these will not be issued to the Bidders with this Document.

Bidders may purchase same if necessary, from ICTAD, "Savsiripaya", Wijerama Mawatha, Colombo 07.

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. SCOPE OF WORKS

Project Title: Construction of Tourism Promotion Center at Mankulam .

Despite the government's effort, which is a welcome change, there needs to be more focus on raising awareness on the potential tourism sector and the resulting employment and business opportunities. It is important that the construction of tourism infrastructure and other related activities need to be in line with the culture and tradition of the area so that resistance to this kind of development will be minimal.

Districts in the Northern Province are now becoming a popular tourist locations for its serene, beautiful and unspoiled beaches and also war monuments for both locals and internationals. Nearly 10,000 visitors per month visit the Districts. However, there is now places available to give the details of the tourist places and information related to services available in the Districts. The Mankulam in Mullaitivu District is the central place of the Northern Province and it is along with the A9 road which is the main route to connect most of the Districts. The proposed tourism information centre is to be constructed at Mankulam in Mullaitivu District with the collaboration of Presedhiya Saba, Tourism Development Unit of Provincial Council and District Secretariat, Mullaitivu. So that the proposed center would give details information of tourist location, services available in relation to the tourism in North, also serve a place to promote locally produces product.

The main building technical expectations are:

1. Roof type Metal Roof with Steel frame work
2. Flooring— Floor Concrete with Cement rendered floor work for all section.
3. Wall thickness –100mm thick Cement concrete precast block work in 1:4:5 (3/4") mix and wall plastering
4. Doors and windows—Aluminium doors and windows
5. Electrification arrangements—Sufficient lighting and power capacity for machinery.
6. Painting—Normal standard painting for new works.

7. Toiletries—As per the Sri Lankan standards.

8. Water – Tube well, Steel framed water tank & Water pump

9. Fence-PVC coated Chain link Mesh & Barbed wire Fence with concrete post

Maximum Expected duration of contract – **03 months**

General Topography of the locality and other information:

This building site which is located on A-9 Road at Mankulam

The soil type is sandy Gravel.

Majority of the people are Tamils practicing Hindu and Christian faith. Sinhalese and Muslims visit for business purpose.

Main livelihood is farming.

Electricity is national grid with main supply.

RDC is responsible for preparing of drawing and BOQ as per guidelines provided by scope of work and UNDP TOR for award of specific service.

3.a.3 PRICING PREAMBLES

GENERALLY

Provision has been made for the total of each page to be collected at the end of each bill of these Bills of Quantities.

The Contractor should allow against the items or in the prices for everything contained in these Bills of Quantities which has a monetary value.

Lump sums shall not be given where unit rates are applicable.

Payment against any item in the Bill of Quantities will be made only if such item has actually been carried out by the contractor. If the Contractor intends to execute any alternative method of construction, the Engineer's prior approval thereof shall be obtained prior to execution of such work in order to ensure payment against the relevant item.

Unit rates may be used reciprocally in the settlement of accounts unless conflict between them occurs. The Contractor is, therefore, to ensure that identical items occurring in separate bills are not priced at different rates unless this is his deliberate intention.

The Contractor shall check against the summaries that each copy of the Bills of Quantities is complete in the number of pages and in the reproduction of each page.

The Contractor's prices and extension shall be entered in water proofing.

Unit rates and extensions shall be given in **Sri Lankan Rupees** to a maximum of two significant places of decimals.

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.

These Bills of Quantities have been measured generally in accordance with the principles laid down in the Method of Measurement of Building Works (First Revision) **SLS 573: 1999 published by Sri Lanka Standard Institution** (as here below defined) and rates shall include for everything required for complete sections of work in accordance with the specifications and drawings.

In the Bills of Quantities, if any materials/ fittings are described by using a trade name, it is only for the purpose of indicating the minimum level of quality and standard required. The Bidder may use any other material/ fittings, which are considered as equivalent in quality and standard to those specified therein subject to the approval of the “Engineer”.

Items in the preambles section of these Bills of Quantities are deemed to qualify and to form part of every description of measured work to which they refer including composite descriptions

No amendment which has not been authorized in writing by the Engineer shall be made to these Bills of Quantities.

The Contractor shall not use these Bills of Quantities as a construction programmer or for the purposes of ordering materials or arranging sub-contracts. The references for these activities shall be the drawings, specification and instructions issued by the Engineer.

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

Format for Descriptions

In addition to common abbreviations the following have been adopted:

M	–	meter	m ²	–	square meter
M ³	–	cubic meter	mm	-	mille meter
Nr	–	number	t	-	tone
Kg	–	kilograms	h	–	hour
CP	–	Code of Practice	BS	–	British Standard
BOQ	-	Bills of Quantities			

Every description shall read as if the phrase “and the like” were incorporated into it.

Where specific classifications have been given but are deemed to include other categories of work only the classified item shall be given in descriptions.

“Prices also to include”; items under this heading fall into two categories :

- a) Those which are deemed to be included in descriptions and therefore, in prices.
- b) Those for which the Contractor shall allow in his prices.

“Approved”, “Directed”, “Selected” and similar expressions shall relate to the Engineer’s decision.

“Falls”, “Slopes”, and “Weathered”: inclined from the horizontal in one plane.

“Cross Falls”, “Cross Slopes”, “Cross weathered”: inclination from the horizontal in more than one plane.

Prices also deemed to include

Rates 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 considerations 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 and all associated costs.
- f) Fitting and / or fixing materials and goods in any position, hoisting to any height.
- g) Use of scaffolding, plant, equipment and tools.
- h) Allow for protection of finished surfaces/fittings etc. of all work sections.
- i) Any additional labours usually associated with measured items.
- j) Testing of electrical installations and Mega testing by and independent authority acceptable to the consultant.
- k) All overheads profits, local taxes, security and monitoring fees unless otherwise described separately.

All measurements are net and the rates shall include for all laps(except for steel reinforcement where the quantity of laps is included in the BOQ quantity), waste, working space and trade or traditional allowances.

The pricing of materials shall take account of the following:

Pricing Preambles, Drawings and Specifications shall apply reciprocally between sections of the works unless otherwise described.

- a) Materials shall be of the best quality available unless otherwise described.
- b) All materials shall be transported, handled, stored and fixed in accordance with the printed instructions or recommendations of their manufacture or suppliers.
- c) Protection of completed work, all casings 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 notching and the extra labour of turning up at edges and the like.

Duct shall include draw wires.

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.

Items described as “cut” shall include general making good similarly.

Where the word “allow” is used the cost of the items shall be the responsibility of the Contractor.

The Contractor shall obtain from all sub-contractors (weather nominated or otherwise) 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.

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.

The amounts set against any Provisional Sums for supply of materials shall be the net CIF amount adjusted for all discounts and customs duty. 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.

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 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 marble glass, anodized aluminium and sanitary ware, including the removal of all protective coverings, paint splashes and the like. Replacements of all or any chipped, cracked or broken items.**
- d) Balancing of air conditioning installations where applicable.**
- e) Removal of temporary sheds, worker toilets etc rubbish, debris or excess spoil from the site area and raking over and cleaning all unused parts of the site area.**

Sub – Contractors

Sub-contractors, whether nominated or not, are to be let on a current form of sub-contract designed for use in conjunction with the General Conditions of Contract amended as necessary to incorporate the appropriate provisions of the main Conditions of Contract.

The Contractor should ascertain from sub-contractors and suppliers before the work is put in hand particulars of positions in which chases, holes, mortices and the like will be required to be formed or left. No claim for the extra costs of cutting away work already built due to the Contractor's failure to ascertain these particulars will be admitted.

Any local sub-contractors which the Contractor proposes to use for the works are subject to the approval of the Engineer and Employer.

The Contractor shall provide for approval a list of sub-contractors who will be employed on the works with their qualifications.

If the Contractor is refused permission to use any of his proposed sub-contractors then the work shall be sub-let at no extra cost to an approved sub-contractor.

Any sub-contractor who has not been approved by the Engineer shall not be used in connection with the carrying out of the works.

Prime Cost Sums in Unit Rates

Certain rates within the Bills of Quantities will include Prime Cost Sums. The material specification and fixing details will be specified. The Contractor is to include against each heading the necessary uplifts and additions required to give his final rate. This rate will then be carried to the relative places within the Bills of Quantities.

These prime cost sums are subject to alteration and no additional claim will be allowed for the varying of these items.

SECTION : DEMOLITION

Contractor is required to refer relevant ICTAD conditions on demolition work and also to inspect the site, drawings and BOQ thoroughly to understand the nature of demolition involved. Contractor is expected to use electrical and mechanical tools for demolition work and should avoid excessive vibration and noise. Contractor should use maximum care as not to damage the adjacent areas / structures / elements while demolition of the required members.

All re-usable items to be handover to the client and no material is allowed to take away from site, unless approved by the engineer.

SECTION: EXCAVATION AND EARTH WORK

Definitions

Rock is defined as any material met with which is of such size or position that, in the opinion of the Engineer it can only be removed by means of wedges, special plants or explosives..

Method of Measurement

The method of measurement and re-measurement will be entirely at the discretion of the Engineer but generally will be as follows :

- a) Where there is no reduced level excavation, other excavations will be measured from natural ground level.
- b) In instances where there is excavation to reduce levels other excavations will be measured from the reduced level.**

Should the Contractor be able to use any excavated material arising from the works as general filling then it shall be measured as material back filled in making up levels with a deduction of items for filling and for material removed from site.

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.
- b) Over break including filling with mass concrete to the levels required by the Engineer.
- c) Trimming or grading ground to produce level surfaces or surfaces to falls or slopes.
- c) Ramming and compacting sides and bottoms of excavations.
- d) Additional excavation for working space arising out of any cause, as excavation measured net unless otherwise specified in item description.
- e) Any hand excavation required around existing services or the like.
- f) Compliance with relevant acts, by laws and regulations relating to excavations and earth work supports.
- g) Inspection of Site

Hard Rock

The tenderer at the time of preparing the tender shall ascertain the prevailing laws and regulation as to the legal requirements of blasting rock and shall allow in his prices accordingly.

Hard rock requiring blasting

Rates for excavation in rock requiring blasting shall include for:-

- a) Obtaining all necessary permits and taking precautionary measures during blasting operation.
- b) Complying with all regulations and instructions issued by relevant government or local government authorities.
- c) Additional Insurance cover; if necessary.

Sledding and stock piling excavated rock etc. as directed by the Engineer. (Maximum distance of stock pile 100 meter from the point of excavation).

Note:-

For the purpose of measurements, percentage of voids in stock pile shall be taken as 20% the volume considered for payment shall be the gross volume of stock pile x 0.80

Earth work support

- a) Provisional quantities of earth work support (planking and strutting) are given in the BOQ.
 - b) Payment for earth work supports will only be considered if physically carried out at the site.
- The Contractor shall obtain the prior approval of the Engineer before carrying out any alternative method of earth work supports than specified in the Contract.

Termite Protection/Applying Insecticides.

The quantity measured in the BOQ is the plinth area of the building in square metres.

The bidder shall assess the actual quantity of area to be treated and shall allow in the unit rate accordingly.

Rate shall include for providing guarantee as per contract.

SECTION : CONCRETE WORKS

Prices also to include

The Contractor should ascertain from the Engineer the total number of locations of items to be formed in and cast into in-situ and pre-cast concrete including those which are not specifically shown on the drawings. No cutting away of concrete shall be carried out without the approval of the Engineer. All remedial works shall be carried out at the Contractor's expense.

The rates for all In-situ concrete work shall include for the following :

- a) Concrete test cubes and testing costs.
- b) Mixing, hoisting (local) and placing and compacting on the surfaces of any material or on formwork.**
- a) Forming any construction joints or the like.
- d) Vibrating, Curing and protecting concrete surfaces from harmful weather conditions.
- e) All necessary keys to concrete surfaces to receive in-situ finishes.
- f) All costs in connection with the construction of "kickers".

The rates for plain concrete foundations and concrete blinding shall include for the following.

- a) All necessary shuttering to edges or extra volume of concrete used in lieu of shuttering.
- b) Forming sloping upper surfaces where required.

The rates for reinforced concrete shall include for working concrete around reinforcement.

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 shapes.
- c) Waste and rolling margin of steel reinforcement.
- d) Cleaning and wire brushing.
- e) Supporting in position during concreting :
Provision of supports (excluding links and stirrups) steel binding wire and approved / proprietary distance pieces.
- f) Additional cutting and bonding in connection with holes, mortices, packets, grooves, chases and the like.
- g) Preparation of detailed reinforcement drawings and bar bending schedules for all steel work to be submitted to the Engineer or his representative for approval before starting the work.

The rates for reinforcement shall include for the following:

- a) Straight raking curved and circular cutting and waste, bending to profiles, laps of one full square / rectangular module or as noted.
- b) Supporting in position during concreting: provision of supports (excluding special chairs) steel binding wire and approved / proprietary distance pieces.
- c) Cutting, bending and notching around all obstructions.

The rates for Form work as appropriate shall include for the following.

- a) Small quantities.
- b) All cutting and waste including raking curved or circular cutting and cutting and notching around pipes, ducting and fittings.
- c) Setting up, strutting and supporting at any height above the structure subject to any limitations imposed by the Employer's representative including all props, stays struts, wedges and bolts etc.
- d) Carefully coating with shutter oil ensuring that no shutter oil is applied to surfaces of reinforcement.
- e) Easing, striking, removing and cleaning and preparing for re-use and removal when no longer required.
- f) Over laps and passing at angles and labours at intersections.
- g) Shortening struts or shapes and re-strutting or re-shoring where required.
- h) Rubbing down, filling and making good the surface of concrete after removal of shuttering.
- i) Cutting or notching shutters or moulds to in-situ or pre cast concrete around projecting reinforcement.
- j. Removal of Shutters: slabs and beams not before 21 days. Columns 4 days.

SECTION : MASONRY WORKS

Prices also to include

The rates for masonry walls shall include for the following:

- a) Material testing at a recognized laboratory, provision of certificates.
- b) Small quantities and any extra labour in forming kerbs.
- c) Straight, raking, curved and circular rough or fair cutting, plumbing at angles, cutting and bonding at angles, openings and intersections, building into and / or against adjacent work, wedging and pinning up to soffits.

- d) in-situ finishings.
- e) Grouting up at back of walls built against other construction.
- f) All necessary cast in wall ties at any junctions between different types of constructions such as brickwork + block work, brick work + concrete work, block work + concrete work and the like.
- g) All necessary expansion, construction, contraction joints, slip strip or the like.

SECTION : STRUCTURAL STEEL WORK

Definitions

“Welding” is deemed to be in accordance with the specification and for the material to which it is to be used. Gusset plates, shoe plates, ends, caps, cleats, brackets, stiffeners, bolts, etc., have been included in the weights of the associated steel work in which they occur.

In places where new members are to be introduced to the existing roof trusses due to corrosion, the contractor has to use similar type of section while replacing them. In all trusses, the hot air passage, provided at the apex point of the trusses to be removed.

Prices to Include

- a) All shop fabrication work, marking, delivery, unloading, hoisting, and (local) erecting, fixing.
- b) Allowance for rolling margin.
- c) The weight of weld metal in welded constructions.
- d) Members of any length.
- e) Cutting to size and shape and joints in the running length.
- f) Notches, holes, slots, mitres, ends and for all drilling and splay cut ends.
- g) Grinding to a smooth finish, unless otherwise required.
- h) After fabrication wire brushed to clean the surface and spray painted with two coats of anticorrosive and two coats of enamel paint.
- i) Rates for galvanising or similarly treated work are to include for the treatment of all ends to the approval of the Engineer.

SECTION: METAL WORK

Generally

Sizes given in the description of items are nominal sizes. The Contractor shall visit the site and take all necessary spot measurements to determine the actual sizes of opening before fabricating the units.

Definitions

“Welded” or “welding” unless otherwise stated shall be continuous butt or fillet welding left as laid.

The rates for metal work shall include for the following:

All fabrication work, handling, delivery, unloading, hoisting, (local) fitting and fixing in position.

- a) Joints in the running length.
- b) Angles in the running length.
- c) Holes, notches, slots and the like.
- d) Fixing with appropriate non-corroding countersunk screws including holes unless otherwise described.
- e) Riveted and bolted work shall include rivets, bolts and holes.
- f) Approved protection to cut ends or holes in galvanised work or other applied finish.
- g) Metal door frames shall include for assembling, fixing with clamps, filling with mortar, temporary supports and removal of base ties.
- h) Floor plates, duct covers and the like shall include narrow widths laying in position and for all holes, slots and the like making good.

SECTION : ALUMINIUM

Refer notes in the relevant BOQ items. Contractor is to use only two approved manufactures aluminium extrusions. The powder coated aluminium will have a coating thickness of minimum of 60 microns and should be in the range of 60 – 80 microns. Since the building is located near the sea, the contractor has to supply the consultants a certificate from the above suppliers that of quality of the selected aluminium sections are suitable to marine environment.

SECTION : WOODWORK

Method of Measurement

Sizes of sawn timber are basic.

Sizes of milled timbers are finished.

All timber sizes indicated in the descriptions shall be finished sizes after planning .

Woodwork shall be deemed to be fixed with non-corroding nails and screws unless otherwise described, all plugging, pelling, etc., is deemed to be included.

Screwed woodwork shall be so described and shall be deemed to be fixed with non-corroding screws.

Special millings shall be described according to convention except that grooves, rebates and the like shall include for splayed grooves, rebates and the like.

Items which are to be plugged shall include for building in or drilling or cutting for and providing hardwood fixing plugs or approved proprietary fixings at 450mm centres unless specified otherwise.

Prices also to include

The rates for woodwork shall include for the following:

- a) Working to size and shape including short lengths, mitres and ends.
- b) All joints in the running length including structural joints.
- c) Cutting and fitting to steelwork, trimming around openings, nothings, boring and sinkin.

- d) Priming backs of woodwork in contact with structure with a mixture of linseed oil and red lead or as specified.
- e) Grounds, packing or the like for woodwork in contact with or fixed to the structure or the like.
- f) Applying two coats of an approved wood preservative before fixing.

The rates for framed woodwork shall include for proper framed joints, gluing joints, dowelling and/or screwing joints.

The rates for milled woodwork shall include for the following.

- a) Punching fixings below exposed surfaces and filling flush.
- b) Any necessary sanding to remove “rippling” caused by milling machines
- c) Special returned ends.
- d) Wreaths, ramps and the like.

The rates for woodwork described as “selected” shall include for the following

- a) Keeping clean and clear finishes
- b) Punching nails and pins below exposed surfaces and filling with an approved coloured filler to match the woodwork.
- c) Where described also as “screwed” the woodwork shall be fixed with brass screws recessed and pelleted to match the woodwork.

The rates for frames sills and linings shall include for bedding in cement lime mortar (1:1:6) and mastic pointing where required.

The rates for plywood block-board and the like shall include for straight raking curved and circular cutting and all consequent wastage.

The rates for plastic laminate faced manufactured boards shall include for providing plastic laminate edgings and balancing laminates and removal of protective coatings.

CARPENTRY

The rates for carpentry shall include for the following:

- a) All labour in framing together all work in accordance with the best practices, complete with all necessary nails, spikes, screws etc.
- b) Hoisting and fixing in position
- c) Drilling and making good
- d) Applying two coats of an approved wood preservative before fixing

JOINERY

Note: All timber sizes indicated in the descriptions shall be finished sizes after planning.

Rates for Joinery Work shall include for:

- a) Framing together all work in accordance with the best practices
- b) Nails, screws, glue, plugs etc.
- c) Priming backs before fixing
- d) Rawl plugs, brass screws etc.
- e) Drilling and making good

The rates for ironmongery shall include for the following:

- a) Mortises, sinking and the like.
- b) Removing before and replacing after decoration.
- c) Testing, easing and adjusting including oiling and leaving in perfect working order.
- d) Adhering strictly to mastering and sub-mastering schemes.
- e) Supplying and labelling at least two keys for each and every lock and handing to the employer's representative.
- f) Master key if required by the specification or drawings.

The rates for ironmongery described as "fixed to hardwood" shall include for fixing to plywood block-board and the like.

SECTION: ROOF COVERING AND ROOF PLUMBING

The rates for Roof covering and roof plumbing shall include for the following:

- a) Hoisting (local) and placing roofing materials in position.
- b) Laps, straight cutting and waste.
- c) Nails, screws, clips, rivets, straps and the like.
- d) Fixing nuts, limpets etc...
- e) Any Guarantee for finished work as per contract
- f) Apply paint to all exposed faces of roof plumbing as directed.

SECTION: PLUMBING / SANITARY INSTALLATIONS

The rates for plumbing / sanitary installations shall include for the following:

- a) Complying with the relevant Sri Lanka or British Standard and with the regulations of the local authorities and other controlling bodies.
- b) Pipes where diameter is less than or equal 50mm diameter, fittings are included in the pipe work items.
- c) Cutting and waste of pipe etc. and jointing pipes.
- d) Solder, rivets, screws, nails, clips, brackets, running sockets, straps etc.
- e) Connecting pipes to sanitary fixtures and appliances,
- f) Laying, chasing, burying and fixing pipes and fittings making good all worked disturbed.
- g) All laps, straight cutting and waste.
- h) Chipping concrete/ masonry work where necessary.
- i) Testing installation as required.
- j) Applying painting to all exposed faces of pipe work as directed.

The rates for sanitary fittings and the like shall, 'unless otherwise described or implied, include for

the following:

- a) Assembling component parts including suitable bedding compounds.
- b) All necessary plugging and brass screwing.
- c) Joints to water services with straight or bent proprietary connectors
- d) Joints to waste soils or drain pipes 'with approved proprietary connectors.
- e) Cleaning off all protective wrappers and leaving ready for use.
- f) Leaving taps and valves greased, clean and in full working order.
- g) The Contractor shall include for the supply of manufacturers recommended spares for one year operation for all mechanical engineering installations.

SECTION : ELECTRICAL INSTALLATIONS

Prices also to include

The rates in general shall include for the following

- a) All cutting, short lengths and small quantities.
- b) All joints in the running length and all connections
- c) All considerations arising from the specification.
- d) All necessary conduits, cables, fittings, screws, nails, clips, brackets, junction boxes, straps, 3 core flexible cables, ceiling roses, GI chains, fan hooks and the like.
- e) Pipe sleeves through walls.
- f) Assembling component parts.
- g) Cleaning off all protective wrappers and leaving ready for use.
- h) Leaving all equipment, etc., clean and in full working order.
- i) Draw wires 'in empty conduits
- j) Consulting and co-operating with other trades.
- k) Giving notices, obtaining permits, paying fees etc.
- l) Provision of shop drawings and circuit diagrams including conduit layout drawings etc.
- m) Labelling switch and distribution boards and other equipment.
- n) Providing samples of switches and other fittings.
- o) Earthing the installation.
- p) Testing installations as required by the Engineer and submission of certificate of conformance of Electrical Installations to IEE regulations by a Chartered Electrical Engineer registered with the Ceylon Electricity Board.
- q) Submitting charts/ lists indicating the country of origin and performance of all equipment offered.

Cabling and conduiting shall be inclusive of all sleeves, joints, etc., as required to connect the incoming supply to the Main Distribution Board.

SECTION : FLOOR/ WALL/CEILING FINISHES

Generally

- a) Thickness of plaster work, bedding, backing etc. given in the description of items are the optimum thickness required.
- b) Finished work must conform in all respect to the approved samples.
- c) Pointed edges special tiles or the like to ceramic or clay tiles, marble work and the like shall be deemed to be included.
- d) Brushing and cleaning off and damping down all backgrounds
- e) Square and rounded edges coving at wall, floor and ceiling junctions, quirks, wee-joints and making good to frames and the like.
- f) Dubbing out as necessary to take up tolerances in the structure and cambers in floors and the like

Rates for floor finishes shall include for:

- a) Straight raking curved and circular cuttings and all consequent wastage
- b) All setting out temporary rules, screeds, template and supports.
- c) Curing and cleaning off / down upon completion.
- d) Spacers, cover guards, etc. to tiling or the like.
- e) All labours and making good around pipes, ducting and fittings and the like.
- f) Joints between different surfaces.
- g) Finishing to slopes and cross falls.
- h) All normal cutting arises, rounded edges, bedding and pointing.
- i) Preparation of sample panels of different finishes for the approval of the engineer. Each panel shall not less than 0.5m² in area.

SECTION : PAINTING

Generally

All paint materials shall be best quality and shall be prepared products of manufacturers approved by the Engineer in writing.

All surfaces to be painted shall be prepared as directed and the prepared surfaces shall be approved by the Engineer before painting.

Unevenness and fillings in plastered surfaces shall be filled with gypsum and allowed to set and sand papered to give a smooth and even surface.

The rates for painting shall include for the following
Rates for Painting shall include for:

- a) Preparation of surfaces, cleaning down
- b) Smoothing, knotting, stopping etc.
- c) Protecting floors, and fittings etc.
- d) Removing and replacing doors furniture and cleaning upon completion.
- e) Providing samples and specification of all paints to be used in the works.

- f) Providing painting to an approved colour scheme and design.
- g) Preparation sample panels of different finishes for the approval of the Engineer. Each panel shall not less than 0.5m² in area.

Note:-

Painting and similar work to timber surface, metal surfaces, PVC surfaces and any other surfaces requiring painting have been measured with the relevant items.

SECTION : DRAINAGE SYSTEM (surface/below ground/agricultural)

Generally

The preceding and following clauses of all sections shall apply equally to relevant items within this section.

DRAINAGE

The rates for underground drainage shall include for the following :

- b) Short lengths, joints and cutting at manholes.
- c) Cutting and fixing pipe work to fittings.
- c) Testing.

BOQ-SUMMARY SHEET

PROJECT TITLE	CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM
PROJECT NO	MUL/NLDP III/87392/001/04
PROJECT LOCATION	MANKULAM
DISTRICT	MULLAITIVU

ITEM #	DESCRIPTION	AMOUNT WITHOUT PRO.SUMS -(Rs)	PROV.SUM -(Rs)
A	PROVISIONAL SUM FOR PRELIMINARIES		
B	EXCAVATION AND EARTH WORK		
C	CONCRETE WORK		500,000.00
D	MASONRY WORK		
E	WATER PROOFING		
F	STRUCTURAL METAL WORK		
G	METAL WORKS		
H	CEILINGS		
I	ROOFER AND ROOF PLUMBING		
J	FLOOR, WALL & CEILING FINISHES		125,000.00
K	PAINTER & DECORATOR		50,000.00
L	PLUMBING AND SANITARY INSTALLATION		200,000.00
M	ELECTRICAL INSTALLATION		30,000.00
N	EXTERNAL WORKS		75,000.00
O	LANDSCAPING WORKS		
	Sub Total 1 (Total of B to O Without Pro.Sums)		
	Discounted Amount% for Sub Total 1 (if any)		
	Sub Total 2 [(A+Prov.Sums of (C+J+K+L+M+N)+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 TOURISM PROMOTION CENTER AT MANKULAM
BILLS OF QUANTITIES

TEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
A	<p>PRELIMINARIES</p> <p>Notes :</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 there-in. 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>Exsisting roads & culverts cannot take the passage of heavy vehicle or such in adquate areas to be strenghten by the successful bidder, before make use of such areas, roads and approches.</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>The Contractor shall be responsible for necessary lighting, watchman and other suitable measures during construction until handing over</p>	Note			

CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM
BILLS OF QUANTITIES

TEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	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			
A.01	Provisional Sum for site offices for consultant - staff including necessary furniture, electricity, water & sanitary facilities to the approval of Engineer.	Allow		Pro. Sum	20,000.00
A.02	Provisional Sum for providing and maintaining a first aid boxe and regular supply of medicines, 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	3,000.00
A.04	Provisional Sum for all cost in connection with preparing samples for testing, making arrangemnts for testing of mataerials, goods etc., as stipulated in the specification, obtaining test reports and submitting the same to the Engineer.	Allow		Pro. Sum	2,500.00
A.05	Provisional Sum for provision of 3 sets of (hard copies and soft copies) As-Built drawings & maintanace manuals of all services for Enginner's approval.	Allow		Pro. Sum	2,500.00
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 derected by the Engineer.	Allow		Pro. Sum	3,000.00
A.07	Supplying and fixing Name boards 1.2m x 0.9m in dimension with 2nos 32mm dia G.I pipes 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 accidentsand injury to Contractor's personnel as per the contract	Allow		Sum	
	SUB TOTAL FOR PRELIMINARIES CARRIED TO SUMMARY			SLRs	

CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM
BILLS OF QUANTITIES

TEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
B	<u>EXCAVATION AND EARTH WORK</u> Rates for excavation shall include for : All necessary shoring, strutting, etc. and removal after completion of work. Stabilisation of excavated surfaces, if required. All working space required, including for planking, strutting, formwork etc. Bulking after excavation and disposal of excavated material as directed. Backfilling with approved material to required levels and surfaces, consolidating and ramming by an approved method for over excavation. Dewatering, if required. Measurement for payment for excavation shall be for the net contact volumes upto the concrete surface.				
B.01	Allow Lump Sum for Clearing site, bushes, shrubs under growth hedges and cleared away from premises.	Item	1.00		
B.02	Allow Lump Sum for up rooting trees (girth 2m) and cleared away from premises.	Nr	8.00		
B.03	Excavating to reduce level average depth of 150mm	m ²	83.00		
B.04	Excavation for Wall and Column foundations in any material except rock requiring blasting, depth not exceeding 1500mm from the existing Ground level.	m ³	17.00		
B.05	Filling under floors and under Steps with Approved imported hard earth filling including levelling, watering and compacting in 150mm layers with 98% compaction. (Measured compacted volume)	m ³	45.00		
B.06	Anti - termite treatment which shall cover excavated trenches, pits, etc. and the ground covered by floor slabs, foundation & walls and 2m beyond the building perimeter. Work shall be carried out by a reputed Pest control Company approved by the Engineer. Particulars of chemicals used and their concentration shall be forwarded to the Engineer for approval. The Contractor shall furnish a joint guarantee binding Specialist Sub-contractor and the Contractor as to the effectiveness of the Anti-termite treatment for a minimum period of 10 years after completion and cost shall include for precautionary measures against chemicals being infiltrated into outside area. Area Measured shall be Plinth area of the Building.	m ²	58.00		
	SUB TOTAL FOR EXCAVATION AND EARTH WORK CARRIED TO SUMMARY			SLRs	

CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM
BILLS OF QUANTITIES

TEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
C	<u>CONCRETE WORK</u>				
	Unless otherwise stated all concrete shall be of grade as per Specifications	Note			
	Rates for concrete shall include for construction joints, expansion joints or contraction joints as necessary.	Note			
	Concrete shall be measured as the net area/volume, as shown on the drawings.	Note			
	Rate for concrete shall include for :				
	supply, handling at site, depositing, compacting, vibrating, curing and making good after removal of formwork.				
	preparation of surfaces, roughening/chipping to the approval of the Engineer.				
	providing water stops at temporary construction joints, if necessary.	Note			
	Reinforcement and Formwork paid separately unless specified in the Item.	Note			
	Rate for formwork shall include for all necessary boarding, supports, erecting, framing, cutting angles, cleaning, apply approved foam oil, wetting before placing concrete, removal etc.	Note			
	Formwork is measured as the net contact surface measurement between formwork and concrete.	Note			
	All reinforcement shall be as per relevant British Standards having minimum characteristic strength of 460 N/mm ² for ribbed tor steel and 250 N/mm ² for mild steel.	Note			
	Rate for reinforcement shall include for supplying, cleaning, cutting, bending, fabricating, binding, placing in position, binding wires, ties, supporting bars, spaces, chairs, wastage etc.	Note			
	1 :3 :6 (40mm) Volumed Batched Concrete				
C.01	75mm thick Screed concrete under Column & Wall foundation.	m ²	8.00		
C.02	100mm thick Screed concrete under Wall foundation.	m ²	21.00		
	1 :2 1/2 :5 (25mm) Volumed Batched Concrete				
C.03	75mm thick, mass concrete in floors and Steps in Building .	m ²	58.00		
	1 :2 :4 (20mm) Volumed Batched Concrete				
C.04	Reinforced concrete in Columns Foundation	m ³	1.00		
C.05	Reinforced concrete in Columns	m ³	1.75		
C.06	- do - Roof Level Beams	m ³	1.50		
C.07	- do - Work top	m ³	0.75		
	Formwork				
C.08	Sides of Columns Footings	m ²	7.00		
C.09	Sides of Columns	m ²	30.00		
C.10	Sides of Roof Level Beams	m ²	11.00		
C.11	Sides of Work top	m ²	2.00		
	In soffits of Slab & Beam				
C.12	Soffit of Roof Beam	m ²	4.50		
C.13	Soffit of Work top	m ²	7.50		

CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM
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TEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
C.14	High yield Steel reinforcement & Mild Steel reinforcement In Column Footing	kg	35.00		
C.15	In Columns	kg	225.00		
C.16	In Roof Level Beams	kg	170.00		
C.17	In Work top	kg	105.00		
C.18	Construction of reinforced concrete (20 N/mm ² -20mm) lintel of size 100 mm x 200mm. Rate to including for form work & reinforcment (4 Y12 bars) in Building.	m	28.00		
C.19	Construction of reinforced concrete (20 N/mm ² -20mm) lintel of size 100 mm x 150mm. Rate to including for form work & reinforcment (2 Y12 bars) in Building.	m	36.00		
C.20	Ornamental Works Provisional sum for Concrete works for the Construction of Ornamental Columns, Arches and Beams at the Entrance of the Building.	Allow		Pro. Sum	500,000.00
	SUB TOTAL FOR CONCRETE WORK CARRIED TO SUMMARY			SLRs	

CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM
BILLS OF QUANTITIES

ITEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
D	<u>MASONRY WORK</u> Notes : Rate shall include to, 1. All rough and fair cutting, plumbing angles, normal straight cutting, forming rebated reveals and raking out joints for plastering. 2. Forming rough and fair grooves, throats, mortises, chases, rebates and holes, stops and miters. 3. Supplying & Fixing Stone Work <u>Random Rubble Masonry Work</u> Random Rubble(150 mm-225 mm) Masonry work in 1:5 Cement sand mortar in Wall Foundation of Building and in Disable Ramp Block Work All cement and sand concrete blocks shall comply with BS 6073. Characteristic strength of block work shall be 2.5 N/mm ² Mortar used for block work/ brick work shall be 1:5 cement and sand mixture unless otherwise specified. <u>100mm Cement Block Work</u>				
D.01	Random Rubble(150 mm-225 mm) Masonry work in 1:5 Cement sand mortar in Wall Foundation of Building and in Disable Ramp	m ³	21.00		
D.02	100mm thick block work in 1:5 cement sand mortar for walls in Building.	m ²	142.00		
	SUB TOTAL FOR MASONRY WORK CARRIED TO SUMMARY			SLRs	
E	<u>WATER PROOFING</u> Damp Proofing E.01 Damp proof membrane to horizontal surfaces of floors out of 1000 gauge polythene. E.02 20mm thick 1:2 cement : sand DPC and finished with two coats of hot tar blinded with coarse sand.				
	SUB TOTAL FOR WATER PROOFING CARRIED TO SUMMARY			SLRs	

CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM
BILLS OF QUANTITIES

TEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
F	<p><u>STRUCTURAL METAL WORK</u></p> <p>Notes for Steel works</p> <p>All steel used in the work shall comply with the relevant British Standards & to the specifications.</p> <p>All steel shall be new & each member shall be free from any built- weld or other forms of splice for the full length between joints shown in or indicated in the drawings unless such splice shall have been shown in the approved drawings.</p> <p>The contractor shall submit the specification for the steel which he proposed to use and obtain prior approval from the Engineer before commencement of ordering of steel and fabrication.</p> <p>Drawings Before any steel work is fabricated the contractor shall obtain the Engineer's approval of the proposed details of fabrications. For this purpose, two copies of each drawings shall be submitted to the Engineer not less than 14 days before commencement of fabrication.</p> <p>Inspections All steel work shall be subjected for inspection by the Engineer. The steel works shall not be moved from the place of fabrication nor primed or painted until the approval of the Engineer has been obtained for the fabrication of steel work.</p> <p>Welding No welding shall be done until approval of the prepared surface has been obtained. All welding shall be carried out under the supervision of qualified persons.</p> <p>Base plate, Sole plate, gussets plate, splice etc. have not been measured separately but the weights of such attachments have been included in weight of respective items indicated in item description.</p> <p>Refer drawings for fabrication and fixing details of trusses, beams, purling etc.</p> <p><u>Trusses , Roof Frames, Beams & Columns</u></p> <p>Structural steel should be of grade 43 (Yield strength 275 N/mm²) in compliance with BS 4360</p> <p>Rates to include for the cost for scaffoldings</p> <p>Rate shall include for all necessary cuttings, drillings, bolting, reverting, welding, grinding, delivering, unloading, hoisting, erecting and fixing in position, leveling, plumbing and getting approval of all shop drawings.</p> <p>Rate shall include for preparation and painting two coats of anticorrosive and two coats of Enamel Painting. For GI Pipes work One coat of Zinc Primer and two coats of Enamel Painting shall be included in Rates.</p>				

CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM
BILLS OF QUANTITIES

ITEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Trusses & Roof Frames Supplying, fabricating and fixing of steel trusses with necessary accessories. Rate to include for base plates, sole plates, cleats, rivets, bolts, nuts and washers.				
F.01	Truss type T1 of Span 9m with an intermediate support (Approx weight of Truss 100Kg) as shown in Drawing made out of Equal Angle Iron, fixed to Columns.	Nr	6.00		
F.02	2.3m long Eaves Truss as shown in Drawing made out of 2/50 x 50 x 6 mm Equal Angle Iron, fixed to Gable wall and extended up to eaves side for fixing purlin. (Approx weight 25Kg) .	Nr	8.00		
F.03	3.0m Span A-Frame Truss T2 as shown in Drawing made out of 2/50 x 50 x 6 mm Equal Angle Iron, fixed to Columns. (Approx weight 70 Kg) .	Nr	1.00		
F.04	1.0m long Cantilevered Curved Truss made out of 2/50 x 50 x 6 mm Equal Angle Iron, fixed to wall/column at one end and free on the other end .(Approx weight 10 Kg) . Truss is bended to curved profile.	Nr	6.00		
F.05	Supplying, fabricating and fixing of 12mm thick steel Centre Plate (Hexagonal shape in plan-Dimension of One side of Hexagon is 120mm and rectangular shape in elevation -size 120 x 435mm) at centre position of Trusses of trusses with necessary accessories. Rate to include for Bolts & Nuts. Internally plates are strut jointed with 12mm dia rods at twelve locations.	Nr	1.00		
	<u>Brackets for Valance Board</u>				
F.06	Supplying, fabricating and fixing of 500mm long brackets made out of 25x 6 mm thick MS flat iron bent to shape and welded to steel purlins at eaves at centres not exceeding 2 m for fixing valance and at fascia side at centres not exceeding 1 m for fixing barge board with 2 Nos of 6mm dia holes for fixing valance/barge boards with necessary accessories.	Nr	46.00		
	<u>Roof Purlins</u>				
F.07	Supplying and fixing of High tensile steel C10020 (100x50x15,2mm thickness) lipped channel purlins for Roof with all necessary accessories. Rate to include for bolts and nuts and preparation and painting two coats of anticorrosive.	m	185.00		
F.08	Supplying and fixing of High tensile steel Hollow section of size 25mm x 25mm for Roof with necessary screws & fittings. Rate to include for bolts and nuts and preparation and painting two coats of anticorrosive	m	11.00		
	SUB TOTAL FOR STRUCTURAL METAL WORK CARRIED TO SUMMARY			SLRs.	

CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM
BILLS OF QUANTITIES

TEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
G	<p><u>METAL WORKS</u></p> <p>Aluminium Works</p> <p>Notes:</p> <p>All sections shall be extruded from AA 6063 aluminum alloy and sections shall be designed to give a rebated internal and external faces</p> <p>Aluminum sections for mullions, frames, transoms, heads and the sills and the other members should strictly comply with the requirements laid down in the following British Standard</p> <p>B.S. 1161 of 1972 – Specification for aluminum alloy sections for structural purposes</p> <p>B.S. 1470 of 1972 (Amended in 1987) – Wrought aluminum and aluminum alloys plate, sheet and strip</p> <p>B.S. 1474 of 1972 – Wrought aluminum and aluminum alloys for general engineering Purpose and external architectural application bars, extruded, down tubes and sections</p> <p>Powder coated Aluminium sections where ever specified shall be film thickness of 60-80 micron,</p> <p>The Contractor shall refer all relevant drawings and specification prior to pricing and it shall be his responsibility to complete the said works to the entire satisfaction of the Engineer.</p> <p>All dimensions shown on the drawings shall be verified by actual site measurement before fabrication and installation. Any cutting to enlarge the size of opening and any cement mortar filleting behind frames required after installation shall be executed by the contractor at his own expense.</p> <p>Glass panels in windows shall be body frosted/clear float glass of minimum thickness 5 mm unless otherwise stated.</p> <p>Glass panels in doors shall be body frosted/clear float glass of minimum thickness 6 mm unless otherwise stated.</p> <p>The Contractor shall submit detailed shop drawings and fabricated samples of typical units of each type for the approval of the Engineer, 14 days prior to fabrication.</p> <p>Rate shall include for supplying, fabrication and installation.</p> <p>Rates for doors shall include for all necessary ironmongery including stainless steel hinges, locks, Handles, Heavy Duty Door Closers etc.</p> <p>Rate for windows shall include for provision of heavy duty stainless steel friction hinges and die-cast Natural Anodized Aluminium fasteners.</p> <p>Rates shall include for approved weather strip, mastic/silicon, sealant, pointing, caulking, jointing, backing, etc., as specified.</p> <p>Infilled panels for Aluminium Door sash & Partition panels shall be colour coated Aluminium composite Panels</p> <p>Rate for handrail / guardrail shall include for necessary welding, cutting, embedding, anchoring etc., as per detail drawings.</p> <p>Rates for all metal works shall include for necessary builders work.</p>				

CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM
BILLS OF QUANTITIES

TEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Doors				
G.01	Supplying, fabricating and fixing Door type D1, 1200mm x 2100 mm over all size Aluminium framed, infilled panel & glazed double sash swing Door with all necessary accessories.	Nr	2.00		
G.02	Supplying, fabricating and fixing Door type D2, 900mm x 2100 mm over all size Aluminium framed, infilled panel & glazed Single sash swing Door with all necessary accessories.	Nr	2.00		
	Windows				
G.03	Supplying, fabricating and fixing Window type W1, 1200mm x 1200mm over all size, Aluminium framed, Glazed sash Castement window with all necessary accessories	Nr	2.00		
	Sliding Window				
G.04	Supplying, fabricating and fixing of Sliding Window type SDW, 1200mm x 1000 mm over all size (when closed) Aluminium framed, glazed sliding sash with sliding rails & grooves and all necessary accessories.	Nr	4.00		
	Fanlight				
G.05	Supplying, fabricating and fixing Fanlight type FL1, 600mm x 450mm over all size Aluminium framed, Glazed sashes in Building.	Nr	2.00		
	Alumnium Partition				
G.06	Glazed Aluminium Partition on suitable Aluminium framed sections with Glazed Panels including all necessary fittings.	m ²	22.00		
	PVC Doors				
G.07	Supplying, fabricating and fixing PVC framed & PVC Sashed Swing Door D4, 950mm x 2100mm over all size, with door hinges, press button knob set, door stopers and all necessary accessories.	Nr	2.00		
	SUB TOTAL FOR METAL WORKS CARRIED TO SUMMARY			SLRs.	

CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM
BILLS OF QUANTITIES

TEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
H	CEILING				
	Cement Fibre Ceiling				
H.01	Supplying and installation of 4.5mm think Cement Fibre Flat ceiling fixed with necessary timber frame work (50mm x 100mm joists and 50mm x 50mm bearers at 600mm c/c) of approved quality fixed with 40mm x 12mm timber beedings of 40mm x 40mm timber cove mouldings of approved quality with necessary screws and nail. Rate shall include for applying two coats of wood preservative to Timber frame work and One primer coat two coats of emulsion paint to ceiling and two coats of enamel paint to beedings mouldings.Timber Frame shall be of Kempus or Palai/Palu or Equivalent approved by the Engineer.	m ²	55.00		
H.02	Supplying and installation of 4.5mm think Cement Fibre Eave ceiling fixed with necessary timber frame work 50mm x 50mm bearers at 600mm c/c) of approved quality fixed with 40mm x 12mm timber beedings of 40mm x 40mm timber cove mouldings of approved quality with necessary screws and nail. Rate shall include for applying two coats of wood preservative to Timber frame work and One primer coat two coats of Fungus Resistant emulsion paint to ceiling and two coats of enamel paint to beedings mouldings.	m ²	55.00		
	SUB TOTAL FOR CEILING CARRIED TO SUMMARY			SLRs	
I	ROOFER AND ROOF PLUMBING				
	Roof Covering				
	Metal Roofing				
	Zn/Al alloy coated steel Roofing sheet steel minimum tensile strength should be 550 N/mm ² and profile should be approved by the Engineer				
I.01	Supplying and fixing of 0.47mm thick Corrugated Zn/Al alloy coated colour bonded steel roofing sheet on steel lipped channel with necessary screws & hooks (Steel lipped channel paid separately.)	m ²	132.00		
I.02	Supplying and fixing of 0.47mm thick Zn/Al alloy coated color bonded Curved roofing sheet on steel lipped channel on steel roof trusses with necessary screws & hooks (steel roof truss and steel lipped channel paid separately.)	m ²	7.00		
I.03	Supplying and fixing 0.47mm thick Zn/Al alloy coated colour bonded steel roofing ridge/Hip to match to roof covering	m	38.00		
I.04	Supplying and fixing of 300mm high Zinc aluminium alloy coated colour bonded valance board.	m	53.00		
I.05	Supplying and fixing of 450mm high Zinc aluminium alloy coated colour bonded barge board.	m	21.00		
I.06	Roof Heat Proofing Heat Insulation to roofing sheets with 3mm thick 3 way reinforced double side aluminium foil polythene foam. Rate shall include for 75mm x 75mm GI Wire Net basic weight / density 0.32 kg/m2 weight .	m ²	132.00		
I.07	Roof Plumbing Supplying and fixing 0.4 mm thick Zinc aluminium alloy coated colour bonded down pipes of size 100mm x 100mm of approved pattern and colour with brackets and brass screws with wooden plugs including all necessary molded fittings	m	46.00		
I.08	Supplying and fixing 0.4 mm thick Zinc aluminium alloy coated colour bonded box type eave gutters of size 130 x 160mm of approved pattern and colour including end caps, running joints with including all necessary fittings.	m	53.00		
	SUB TOTAL FOR ROOFER AND ROOF PLUMBING CARRIED TO SUMMARY			SLRs	

CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM
BILLS OF QUANTITIES

TEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
J	<u>FLOOR, WALL & CEILING FINISHES</u> Rates for floor finishes shall include for temporary rules, screeds, ground etc., all normal cutting arises, rounded angles and the like, bedding, pointing, forming joints making good between different surfaces, around pipes, sanitary fittings and other fixtures and cleaning down upon completion. All floor and wall tiles shall be of approved quality (Lanka Tiles/ Rocell Brands) and colour. Tile samples shall be provided for approval by the Engineer/Architect prior to purchase of materials. Rates for plaster work shall include for reinforcing joints between different types of construction material (e.g. block work/ brickwork and concrete work) with 150mm wide galvanized steel mesh as directed by the Engineer. Rate shall include for Reveals. Rates for soffit finishes shall include for preparation of surfaces, cleaning down, smoothing, knotting, stopping, etc., protection of floors and fittings, removing and replacing door and window fittings, if required, and cleaning upon completion. <u>Floor Finishes</u> <u>Rendering</u> J.01 20mm thick 1:3 cement sand rendering including neat coloured cement floating to Floors of Building. <u>Tiling to Floors</u> J.02 Supply and Laying of 300 x 300mm Anti slip Ceramic tiles of approved quality and colour, fixed with straight joints in both ways including all angles corners and including 1:3 cement sand bedding of minimum 20mm thickness and pointed in matching colour in Toilet floors <u>Wall Finishes</u> <u>External Faces</u> <u>Plastering</u> J.03 15mm thick 1:3 cement sand plaster finished smooth with approved coloured cement floating to plinths. J.04 15mm thick 1:3 cement sand plaster finished semi rough with to walls, Columns and Sides of Beams & Lintols in Building <u>Internal Work</u> <u>Plastering</u> J.05 15mm thick 1:3 cement sand plaster finished smooth to internal faces of walls, Columns and sides of Beams & Lintel <u>Ceiling Finishes</u> J.06 12mm thick 1:3 cement sand plaster finished smooth to soffit of Beams, Slabs & Work top <u>Ornamental Works</u> J.07 Provisional sum for Plastering works in the Ornamental Columns, Arches and Beams at the Entrance of the Building.				
	SUB TOTAL FOR FLOOR, WALL & CEILING FINISHES CARRIED TO SUMMARY			SLRs	

CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM
BILLS OF QUANTITIES

TEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
K	<u>PAINTER & DECORATOR</u>				
	<p><u>Note:</u> Rate shall include for preparation of surfaces, cleaning down, smoothing, knotting, stopping, patching up cracks, etc., protection of floors and fittings, removing and replacing door and window fittings, if required, and cleaning upon completion.</p> <p>All emulsion/ enamel/ weathershield paint shall be of approved make CIC or equivalent approved by Engineer</p> <p>Rate to include for the cost for the scaffoldings.</p> <p><u>External Faces</u></p> <p><u>Walls</u></p>				
K.01	Prepare & apply one alkaline resisting primer coat and two coats of weather shield emulsion of approved colour and quality to semi-rough rendered surfaces of walls, Columns and Sides of Lintols. (Rate shall include for reveals)	m ²	145.00		
	<p><u>Internal Faces</u></p> <p><u>Walls</u></p>				
K.02	Prepare and apply one primer coat and two coats of Emulsion of approved colour and quality to smooth plastered surfaces to internal faces of walls, sides of Lintel & Beams and column faces. (Rate shall include for reveals)	m ²	145.00		
	<u>Wall Tiling</u>				
K.03	Supply & laid 200 x 300mm Glazed Ceramic Wall Tiles of approved quality and colour for Walls fixed with straight joints in both ways including all angles corners including 1:3 cement sand bedding and pointed in matching colour.	m ²	17.00		
	<u>Soffits</u>				
K.04	Prepare and apply one primer coat of approved variety and apply two coats of emulsion of approved colour and quality to smooth rendered surfaces of soffit.	m ²	13.00		
	<u>Ornamental Works</u>				
K.05	Provisional sum for Painting works in the Ornamental Columns, Arches and Beams at the Entrance of the Building.	Allow		Pro. Sum	50,000.00
	SUB TOTAL FOR PAINTER & DECORATOR CARRIED TO SUMMARY			SLRs	

CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM
BILLS OF QUANTITIES

TEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
L	<p>PLUMBING AND SANITARY INSTALLATION</p> <p>Note</p> <p>Unplasticized polyvinyl chloride (uPVC) pipes shall be used in the plumbing installation and they must confirm in every respect to the requirements of the SLS 147 of 1989 & 1972 or BS 4514.</p> <p>All fittings and pipe specials used in the plumbing installation shall be suitable and compatible with all respects to the pipe line to which fittings and specials are fixed.</p> <p>All sanitary fittings & fixtures shall be American Standards or equivalent.</p> <p>Rates for plumbing work shall include for:-</p> <p>(a) Complying with the relevant Sri Lankan, British or any other standard as given under the specifications and with the regulations of the Local Authority and or any other relevant authorities.</p> <p>(b) Cutting and waste of pipes etc., and joining pipes.</p> <p>(c) All specials such as elbows, bends, tees, junctions, plugs, reducers and similar pipe fittings except for valves which will be measured separately.</p> <p>(d) Connecting pipes to sanitary fixtures and appliances.</p> <p>(e) Casing to brick walls etc. and making good all works disturbed.</p> <p>(f) Necessary screws, nails sockets, connection back nuts standard pipe fixing or supporting clips, saddles, brackets, holder bats, straps etc.</p> <p>(g) Connecting different types of pipes.</p> <p>(h) Testing and disinfection after completion.</p> <p>(i) Submitting shop drawings where necessary.</p> <p>(j) Excavation, backfilling, disposal of surplus soil</p> <p>Rates for sanitary fittings shall include for:-</p> <p>(a) Fittings such as taps, waste water outlet, internal overflows etc. and supporting brackets, incidental materials for fixing.</p> <p>(b) Assembling, jointing together fixing components parts, and jointing to pipes including necessary coupling and for leaving perfectly clean and in perfect working order on completion.</p> <p>(c) Jointing and connecting pipes to sanitary fittings.</p> <p>(d) Testing and commissioning of the installation.</p> <p>(e) Making good the work disturbed.</p> <p>(f) Submitting samples for the approval of the Engineer.</p> <p>(g) Protecting the works.</p>	<p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p> <p>Note</p>			

CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM
BILLS OF QUANTITIES

TEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	Rates for drainage work shall include for :- (a) Laying of pipes to falls. (b) Excavation, backfilling, disposal of surplus soil (c) All pipe specials such as bends, junctions, elbows, tees, "Y" junctions, reducers, inspection openings, stop ends, etc. (d) Connection to sides of manholes etc. (e) Providing sleeves etc., when pipes pass through walls, foundations etc. (f) Giving notices, obtaining permits, paying fees, fixing, testing and commissioning etc.	Note			
	Sanitary Fixtures				
L.01	Supply and installation of floor mounted ceramic water closet with 100 mm trap and 6 litre (Dual Flush) capacity low level ceramic cistern conforming to BS 1125 with plastic syphon, 15 mm angle valve with wall plate, flexible hose connection and all fixtures and fittings necessary for the completion of water closet installation. Rate shall include for Bidet shower.Closet shall be of American Standard or Equivalent.	Nr	2.00		
L.02	Supply & Installation of Pesdestal type wash basin conforming to SLS 377 including bottle trap with 40 mm waste outlet, 15 mm angle valve with wall plate, 15 mm pillar tap, chrome plated exposed piping and all fixtures and fittings necessary for the completion of wash basin installation.Wash Basin shall be of American Standard or Equivalent.	Nr	2.00		
L.03	Supply and installation of Stainless Steel soap dish	Nr	2.00		
L.04	Supplying and fixing of chromium plated towel rail with necessary fixtures.	Nr	2.00		
L.05	Supply Installation of mirror of size 750x 600 x6 mm with bevelled edges and fixed to the wall with chromium plated studs	Nr	1.00		
L.06	Supplying and fixing of chromium plated 25mm bib tap, chinese or indian.(Rate shall include for forcet socket)	Nr	3.00		
L.07	Supply and installation of 150x150 mm Stainless Steel floor gully with cover for Toilets .	Nr	2.00		
	Water Supply, Wastewater & Drainage Connection Type 1000 Pipes for Cold Water Supply				
L.08	20mm dia.	m	10.00		
L.09	25mm dia.	m	35.00		
L.10	40mm dia.	m	75.00		
L.11	50mm dia.	m	25.00		
	Valves for Water Supply Lines Supplying and fixing of approved quality Brass stop valves /Ball Valves including all necessary fixtures.Valves shall be Pegler or Equivalent Brands.				
L.12	20 mm diameter valve	Nr	1.00		
L.13	25 mm diameter valve	Nr	2.00		
L.14	50 mm diameter valve	Nr	2.00		

CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM
BILLS OF QUANTITIES

TEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
L.15	Supplying and fixing Electric Submergible Pump . Pump with motor of 1 HP (Jinasena submergible pump or equivalent), 1 1/2", single phase, including foot valve , starter switch and all required fittings ,complete in working order including Construction of Pump Room as per Drawing.	Nr	1.00		
L.16	Supplying and installation of 1000 litre capacity plastishell overhead water tank with Steel Framework and 6m high Steel Tower as per Drawings.	Nr	1.00		
	Type 600 uPVC pipe for Waste Water Lines				
L.17	50 mm diameter	m	10.00		
L.18	63 mm diameter	m	20.00		
	Sewerage Disposal System				
	Type 600 uPVC pipe for Waste Water Lines				
L.19	110 mm diameter	m	20.00		
	Waste Water Manholes				
L.20	Supplying all material and construct Interceptor manholes (Average size 600 x 600 x 600 mm internally). Rate included for excavation & backfilling, screed concreting, formwork, reinforcement @ 150 c/c, 150mm thick concrete base & walls, benching, internal plastering, precast concrete cover slab with lifting handles, etc.	Nr	1.00		
	Sewer Manholes				
L.21	Supplying all material and construct Sewer manholes (Average size 600 x 600 x 600 mm internally). Rate included for excavation & backfilling, screed concreting, formwork, reinforcement @ 150 c/c, 150mm thick concrete base & walls, benching, internal plastering, precast concrete cover slab with lifting handles, etc.	Nr	1.00		
	Septic Tank				
L.22	Supplying all material and construct septic tank in grade 30(20mm) concrete, internal size of chamber-1 is 1500 x 900 mm and chamber-2 is 900 x 900 mm, 1500 mm average depth , 100 mm thick base 125 mm thick walls and 75 mm thick top slab. Rate included for excavation , backfilling, form work, reinforcement (125kg/m ³), concreting,Finishing cover slabs with lifting handles, all necessary pipe work inside the tank etc.	Nr	1.00		
	Soakage Pit				
L.23	Supplying all material and construct soakage pits in grade 30(20mm) concrete, internal size 1200mm Diameter , average depth 2500 mm, with 125mm thick block walls and 75 mm thick top slab. Rate included for excavation, backfilling, formwork, reinforcement (125kg/m ³), concreting, covers slabs with lifting handles, all necessary pipe work inside the pit, etc.	Nr	1.00		
	Tube Well				
L.24	Provisional Sum for Construction of Tube Well including all finishes.	Allow		Pro. Sum	200,000.00
	SUB TOTAL FOR PLUMBING AND SANITARY INSTALLATION CARRIED TO SUMMARY			SLRs	

CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM
BILLS OF QUANTITIES

TEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
M	<p>ELECTRICAL INSTALLATION</p> <p>Rates in Bill of Quantities shall include all necessary materials (Cables, conduits, PVC sunk box, bulbs, switches etc.) and labour required to complete the electrical installation to good working order.</p> <p>Testing and commissioning of all the systems & electrical installation is to be carried out and inspection report (02 sets) submitted according to the requirements of the power supply by a Chartered Electrical Engineer. Rate shall be include for Testing, commissioning and report submission.</p> <p>Rate Shall include for submission of shop drawings and submission of draft layouts, conduit layouts etc. for Consultant's approval before commencing the installation (03 sets) with Designing of Distribution board, Consumer unit and line diagram designing a Chartered Electrical Engineer.</p> <p>Rate Shall include for submission of As-built drawings on completion of the contract (03 sets)</p> <p>Electrical Items (MCB, RCCB etc.) should be of European/Japanese origin or to the BS or equivalent and items without an accredited agent in Sri Lanka shall not be accepted. Guarantee cards (Fans etc.) should be provided from accredited agent before installation.</p> <p>All the quantities given here are approximated values and Quantities may change with the actual installation at the site.</p> <p>All types of fittings, materials, painting and finishes shall be approved by the Engineer prior to installation.</p> <p>All panel boards and consumer units should have wire numbering and a laminated circuit diagram should be pasted on the inside surface of the door.</p> <p>Electrical Conduits, which are laid along Earth should be securely protected by PVC conduits. Earth shall be backfilled properly.</p> <p>Electrical Conduits, which are laid along internal Roads should be securely protected by PVC conduits. Cut road shall be filled with mass concrete and making good to roads.</p> <p><u>Single phase Consumer units</u></p>				
M.01	<p>Supply and installation of wall mounted switch gear cubicle made out of polycarbonate enclosure to the approval of the engineer . Additional space to be provided inside the distribution board enclosure to install two additional breakers (of capacity with existing max. outgoing breaker) if necessary.</p> <p>01 No. 40A, 2-pole MCB 6kA</p> <p>01 Nos. 40A 2-pole RCCB, 30mA sensitivity</p> <p>5 - 7 No. 6-32A, 1-pole MCB 6kA</p> <p>Earth Bar</p> <p>All internal connections.</p> <p>Equipment to be to the BS and European/Japanese make</p>	Nr	1.00		

CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM
BILLS OF QUANTITIES

TEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
M.02	Provisional Sum for obtaining main power supply connection from the Ceylon Electricity Board 40A/SP connection including all the correspondence and co-ordination work, builders work. Etc.	Allow		Pro. Sum	20,000.00
M.03	Supply and Installation of service bracket 5'-0" long 2 1/2" x 2 1/2" x 1/4" angle iron.	Nr	1.00		
M.04	Supply & installation of 32A single phase wiring to pump house . Rate to include for MCB, complete with pilot lamp to working order as per electrical specification.	Nr	1.00		
	Cables				
M.05	Provisional Sum for Suppling and Installation of Main Cables from Energy Meter to MDB and MDB to Cosumer Units	Allow		Pro. Sum	10,000.00
	Fans				
	Ceiling Fan				
M.06	Supply & installation of 1400mm Diameter sweep ceiling fan (European/Japanese make), complete with regulator, fan hook, extension rod & attachment - Guarantee cards should be provided from accredited agent. Rate to include for wiring (including supply of all material, earth wire & switch) of the above ceiling fans using approved type 1 mm2, Cu/PVC/PVC cable & 2.5 mm2 earth wire drawn through securely fixed concealed PVC conduits	Nr	5.00		
	Socket Outlets				
M.07	Supply & installation of 15A shuttered switched single socket outlet to comply with BS 1363 . Rate to include for Wiring (including supply of all material required) of 15A socket outlets using approved type 2.5mm2 Cu/PVC/PVC, 2C cable & 2.5mm2 earth cable drawn through securely fixed concealed PVC conduit	Nr	2.00		
M.08	Supply & installation of 5A shuttered switched socket outlet to comply with BS 1363.Rate to include for Wring (including supply of 2.5 mm2 earth wire & all other material required) of above socket outlet using approved type 1.0mm2 Cu/PVC/PVC cable drawn through securely fixed concealed PVC conduits	Nr	2.00		
	Light Fitting				
	Samples should be provided prior to the installtion for electrical engineer's approval. Guarantee cards should be provided for CFL bulbs.				
M.09	Supply and installation of Pendent Type Lamp Fittings. Rate to include the cost of 24W CFL Spiral bulbs (warm white) lamp.Rate to include for Wiring (including supply of all materials) of the above light points using approved type PVC insulated PVC sheathed 1 mm2 copper cable and 1mm2 Cu/PVC earth drawn through securely fixed concealed PVC conduit	Nr	9.00		
M.10	Supply and installation of Wall Mounted/ Bracket Lamp Fittings. Rate to include the cost of 20W approved type bulbs. Rate to include for Wiring (including supply of all materials) of the above light points using approved type PVC insulated PVC sheathed 1 mm2 copper cable and 1mm2 Cu/PVC earth drawn through securely fixed concealed PVC conduit	Nr	2.00		
	Main Earthing System				
	Supply and Installation of all required materials and cables and connection to respective equipment to provide complete system.				
M.11	Supply and Installation of an earth electrode of minimum 16mm dia. solid copper rod of length 1.2m or more with a clamp connection to earth conductor. Earth resistance shall be less than 10 Ohms tested on a dry day. An earth pit of size 300mm x 300mm x 200mm is to be prepared and covered by concrete plate to protect the earth electrode.	Nr	1.00		
	SUB TOTAL FOR ELECTRICAL INSTALLATION CARRIED TO SUMMARY			SLRs	

CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM
BILLS OF QUANTITIES

TEM #	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
N	EXTERNAL WORKS				
	Steel Gate				
N.01	Supplying, fabricating and fixing of Gates of sized 4000mm (wide) x 1650mm (height) with made out of heavy duty 75x 50mm Hollow GI Box section and 25mm diameter G.I pipes as shown in Drawings.Rate to include for 2 Nos 300 x 300mm RCC pillars for 2.0 m height in 1:2:4 (3/4") concrete 4Y12 reinforced and R6 at 150mm crs stirrups rate include for Excavation base concrete footing R/F with Y10 @ 200mm c/c both way and 16mm thick 1:4 plastering, 3 Nos pintol and stirrups locking device barrel bolt etc. and 2 coats of anticorrosive paint and 2 coats of enamel paint and 2 coats of painting to pillars as directed.	nr	1.00		
	Chainlink Mesh Fence				
N.02	Supplying and fixing of 1.80 m high (above Ground) gauge 8 PVC coated chainlink mesh on the fence posts. Rate to include for 3 Nos, top.middle and bottom line wires, stretcher bars and bolting bracket arrangement with cleats, washers etc. including Casting, transport & erection of intermediate (at 2.4 m intervals) , corner, end and strainer RCC fence posts (100mm x 100mm at top & 150mm x 150mm at bottom ,Reinforced with 4 no R6 Mild steel with High tensile wire stirrups spaced at 225mm . Rate to include for excavation of pits and erection of fence posts along boundary line with lower end buried in ground and surround with grade 10 concrete .	m	30.00		
	Barbed Wire Fence				
N.03	Supplying and fixing of 1.80 m high (above Ground) Barbed wire (Barbed wire , 12 1/2 gauge, 4 ponts , 6" apart, 7 Strands) fence including Casting, transport & erection of intermediate (at 2.4 m intervals) , corner, end and strainer RCC fence posts (100mm x 100mm at top & 150mm x 150mm at bottom ,Reinforced with 4 no R6 Mild steel with High tensile wire stirrups spaced at 225mm . Rate to include for excavation of pits and erection of fence posts along boundary line with lower end buried in ground and surround with grade 10 concrete and 25 x 5mm MS strip for fixing Barbed wire. Refer Drawing for details	m	170.00		
	Precast Concrete Chairs & Tables				
N.04	Provisional Sum for Suppling & Placing of 04 Nos Pre-Cast Concrete Chairs , Pre-cast concreteTables, Roofing arrangement with columns, including finishing and painting works	Allow		Pro. Sum	75,000.00
	SUB TOTAL FOR EXTERNAL WORKS CARRIED TO SUMMARY			SLRs	
O	LANDSCAPING WORKS				
	Curbs				
Q01	Casting and placing of 100mm wide 200mm high concrete curbs. Concrete shall be 1:2:4 (20) mix.Rate to include for excavation and 1:3:6 concrete bedding for a thickness of 75mm with necessary items for placing, etc. all complete.	m	100.00		
	Interlocking Paving				
Q02	Supplying and laying of pre-cast interlocking Cement paving blocks of thickness 60mm(Compressive strength 40N/mm ²). Colour & quality shall be approved by Engineer. Supplying, Spreading of 300mm thick gravel layer and 75mm thick quarry dust layer Compacting using plate compacter .	m ²	100.00		
Q03	Approved imported hard earth (Gravel) filling including levelling, watering and compacting in 150mm layers for the proposed internal access culert with 98% compaction. (Measured compacted volume)	m ³	100.00		
	SUB TOTAL FOR LANDSCAPING CARRIED TO SUMMARY			SLRs	

**PROJECT:
CONSTRUCTION OF TOURISM PROMOTION CENTER AT
MANKULAM**

CLIENT:

PREDESHIYA SABA, PUTHUKKUDIYIRUPPU.

FUNDING:



UNITED NATIONS DEVELOPMENT PROGRAMME

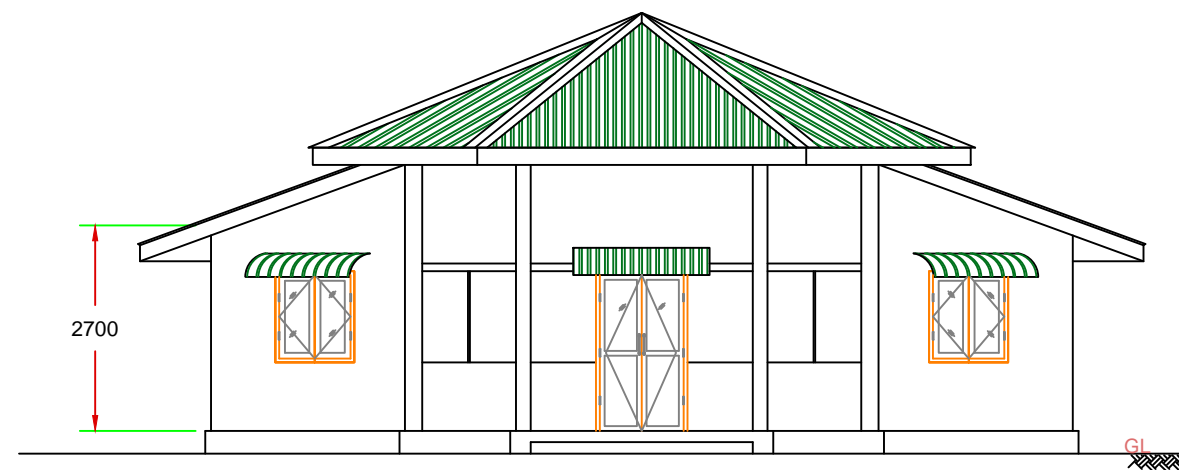
CONSULTANTS:



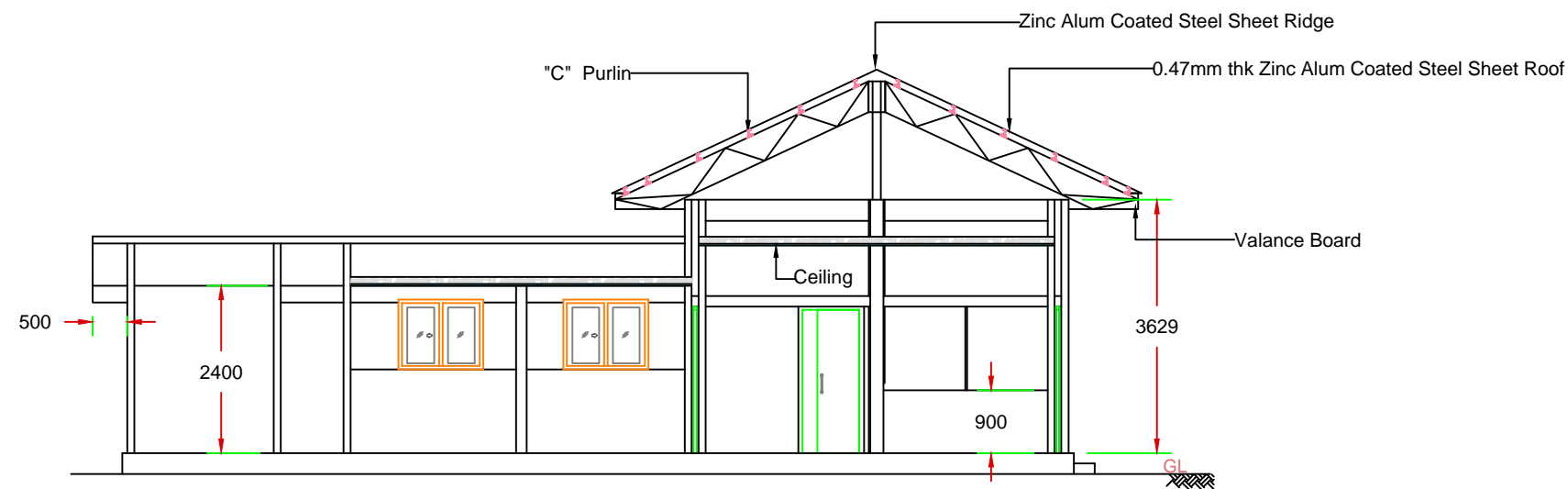
RESOURCES DEVELOPMENT CONSULTANTS (PVT) LTD.

LIST OF DRAWINGS

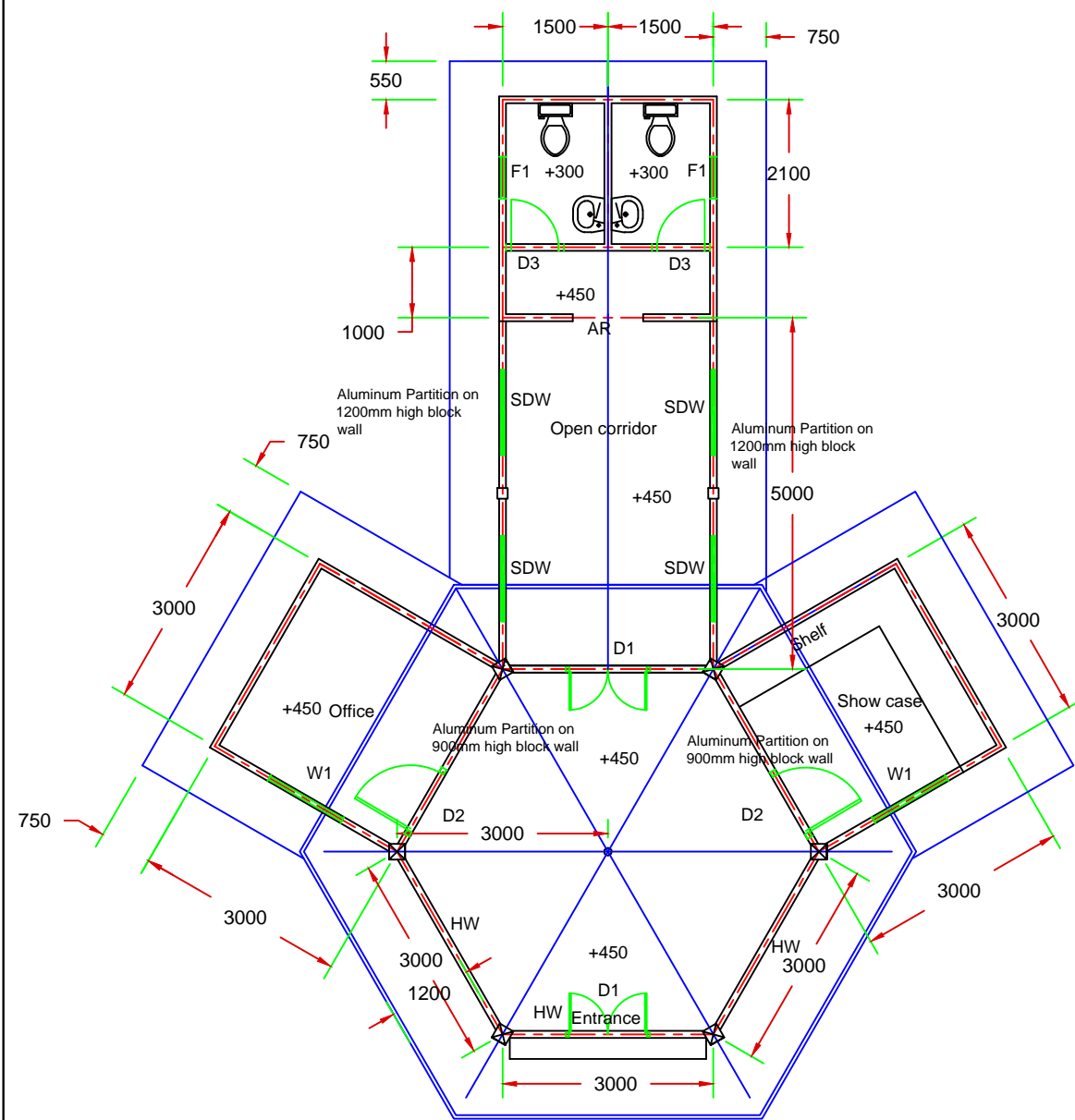
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|--|-----------------------------|
| 1. KEY PLAN | - UNDP/MUL/MAN/TOUR/AR/001 |
| 2. DETAIL OF DOORS & WINDOWS | - UNDP/MUL/MAN/TOUR/AR/002 |
| 3. LAYOUT & DETAIL OF WALL FOUNDATION | - UNDP/MUL/MAN/TOUR/SD/001 |
| 4. LAYOUT & DETAIL OF COLUMN AND COLUMN FOUNDATION | - UNDP/MUL/MAN/TOUR/SD/002 |
| 5. LAYOUT & DETAIL OF LINTEL & BEAM | - UNDP/MUL/MAN/TOUR/SD/003 |
| 6. DETAIL OF ROOF FRAME | - UNDP/MUL/MAN/TOUR/SD/004 |
| 7. DETAIL OF ROOF TRUSS | - UNDP/MUL/MAN/TOUR/SD/005 |
| 8. LAYOUT OF ROOF | - UNDP/MUL/MAN/TOUR/SD/006 |
| 9. DETAIL OF SOAKAGE PIT & SEPTIC TANK | - UNDP/MUL/MAN/TOUR/SD/007 |
| 10. DETAIL OF WATER TANK | - UNDP/MUL/MAN/TOUR/PLU/001 |
| 11. LAYOUT OF WATER SUPPLY | - UNDP/MUL/MAN/TOUR/PLU/002 |
| 12. LAYOUT OF WASTE DISPOSAL | - UNDP/MUL/MAN/TOUR/PLU/003 |
| 13. LAYOUT OF SEWER DISPOSAL | - UNDP/MUL/MAN/TOUR/PLU/004 |
| 14. DETAILS OF MANHOLES | - UNDP/MUL/MAN/TOUR/PLU/005 |
| 15. DETAIL OF ELECTRICAL FLOOR LAYOUT | - UNDP/MUL/MAN/TOUR/ELE/001 |
| 16. DETAILS OF FENCE & GATE | - UNDP/MUL/MAN/TOUR/EXT/001 |
| 17. DETAILS OF PUMP ROOM | - UNDP/MUL/MAN/TOUR/EXT/002 |



FRONT ELEVATION



SECTION ON X-X



PLAN

PROPOSED SCHEDULE OF OPENINGS			
NAME	DESCRIPTION	SIZE	NOS
D1	GLAZED AND PANELLED ALUMINUM DOOR	1200 x 2100	02
D2	GLAZED AND PANELLED ALUMINUM DOOR	900 x 2100	02
D3	PVC DOOR	900 x 2100	02
W1	FULLY GLAZED ALUMINUM WINDOW	1200 x 1200	02
F1	FULLY GLAZED ALUMINUM FAN LIGHT	600X450	02
AR	FULLY OPENED ARCH	1000X2100	01
SDW	FULLY GLAZED ALUMINUM SLIDING WINDOW	1200X1000	04



**UNITED NATIONS
DEVELOPMENT PROGRAMME**

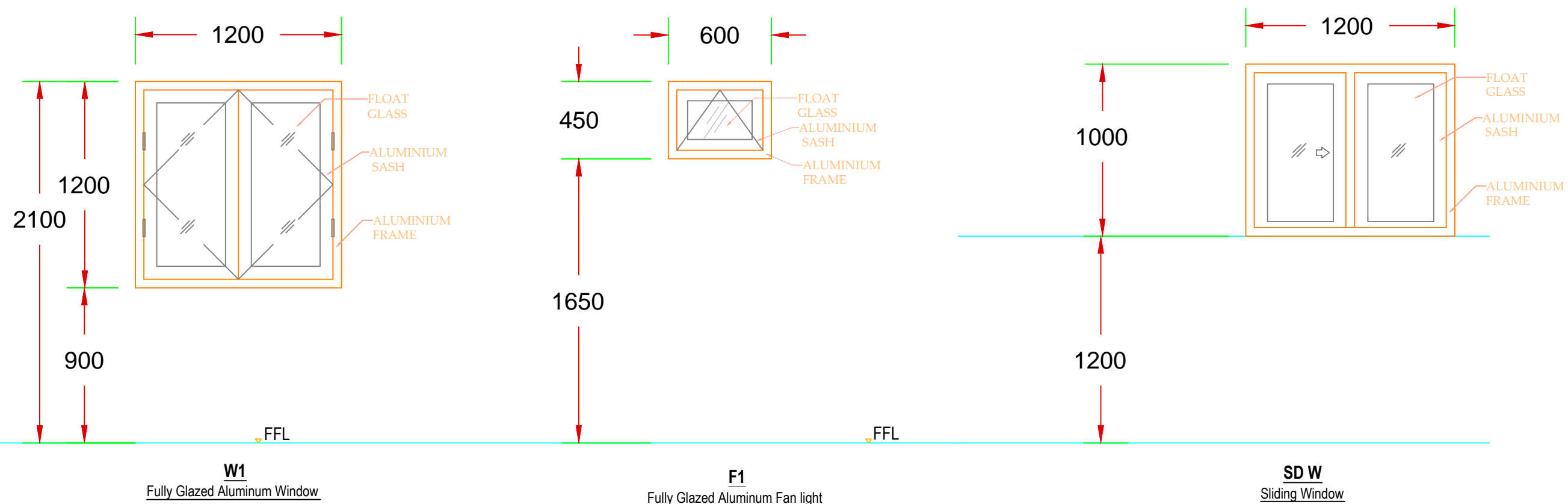
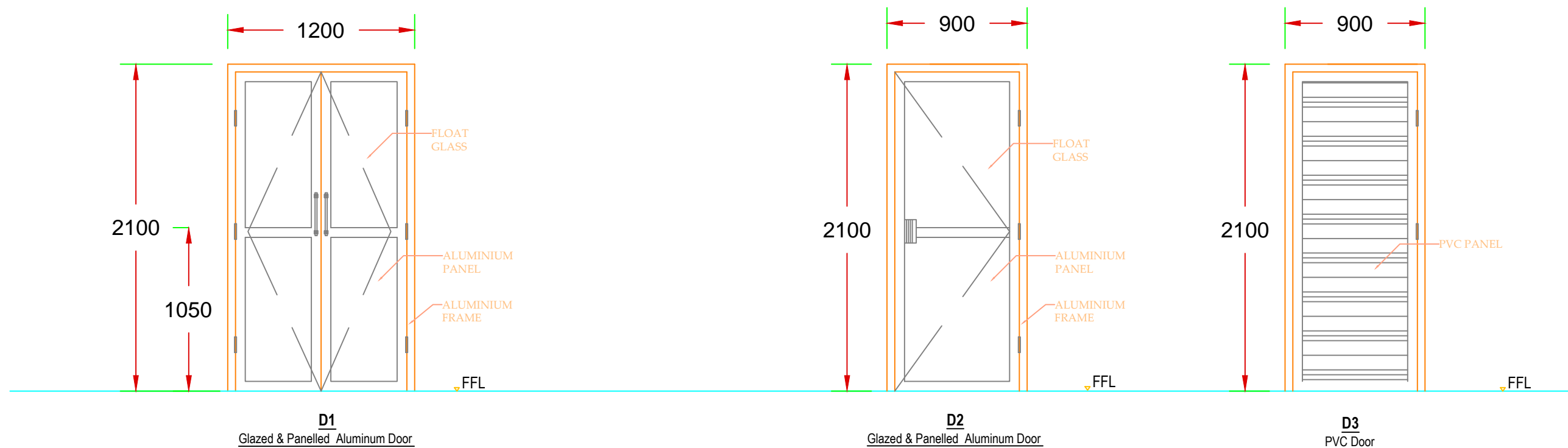
PROJECT REF. No:

CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM.



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

DRAWING TITLE	Key plan		
DRAWN	S.S		
CHECKED	A.M		
DATE	17.08.2015		
SCALE	N.T.S.		
DRAWING NO	UNDP/MUL/MAN/TOUR/AR/001	REV. NO	



**UNITED NATIONS
DEVELOPMENT PROGRAMME**

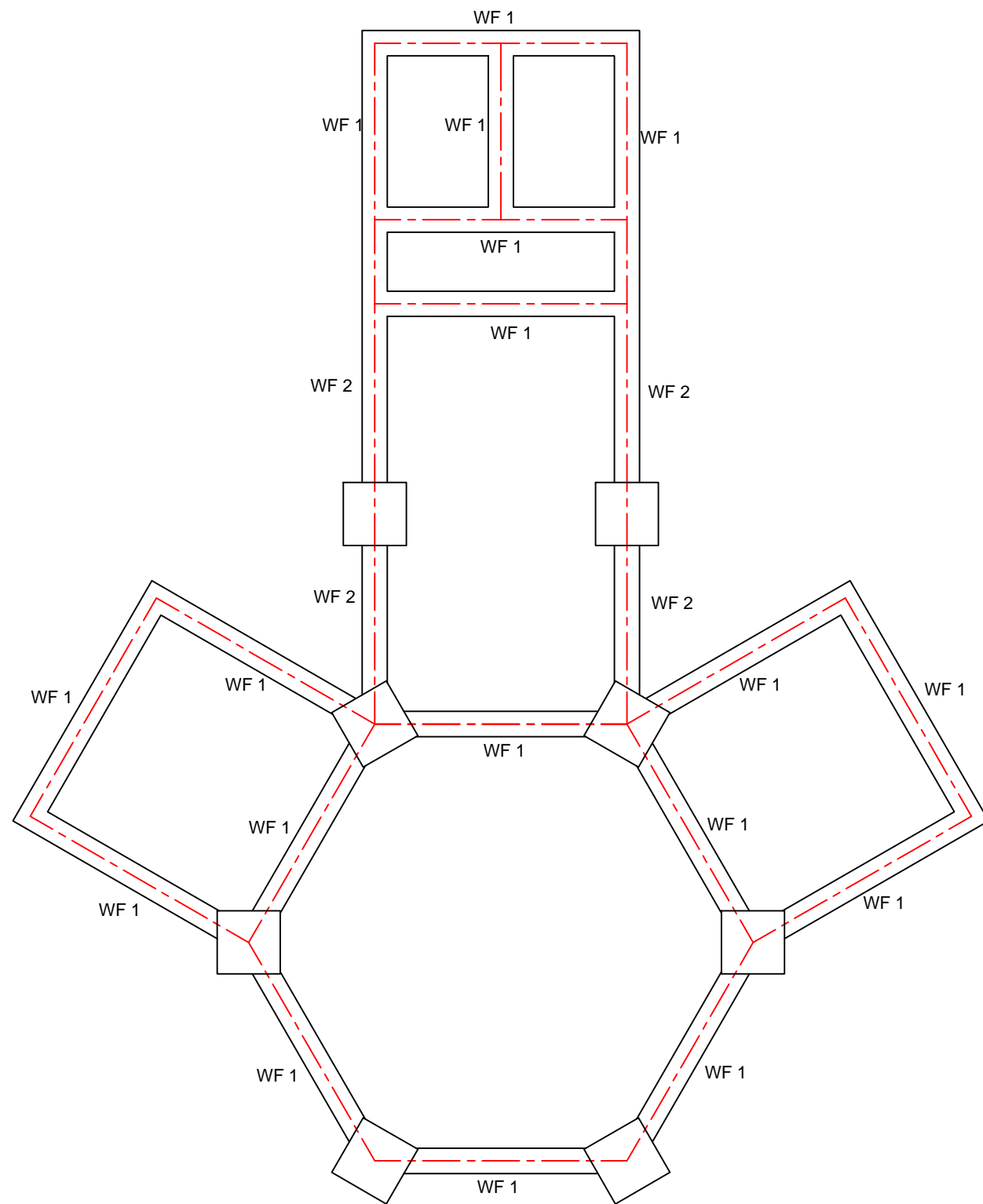
PROJECT REF. No:

CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM.

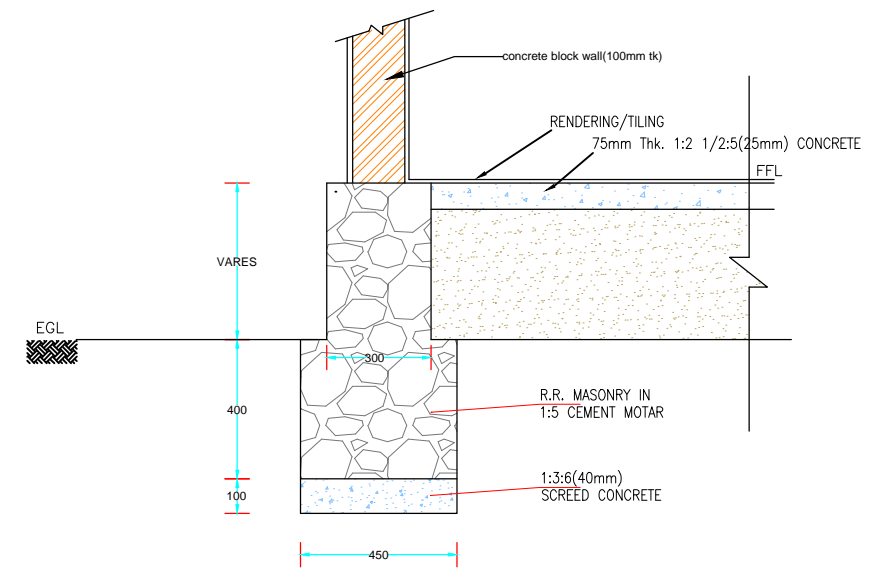


**RESOURCES DEVELOPMENT
CONSULTANTS (PVT) LTD,**
No: 55-2/1, Galle Road,
Colombo - 03

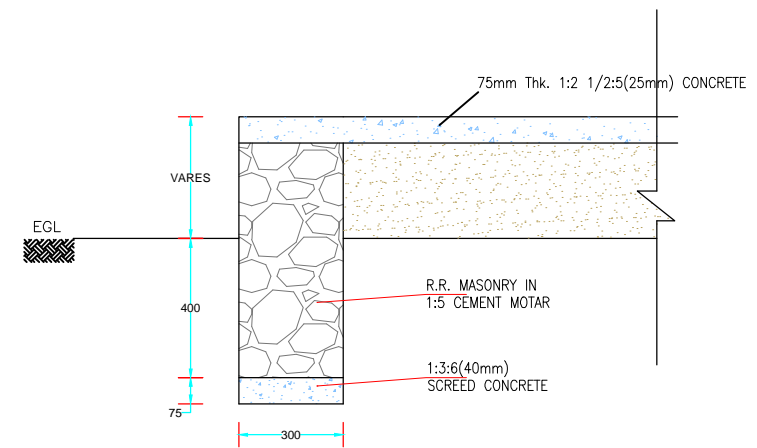
DRAWING TITLE	Details of Doors and Windows		
DRAWN	S.S		
CHECKED	A.M		
DATE	18.08.2015		
SCALE	N.T.S.		
DRAWING NO	UNDP/MUL/MAN/TOUR/AR/002	REV. NO	



1. Structural Concrete Grade 20(20) N/mm²
2. Minimum Concrete cover Thickness 20mm
3. All dimensions in mm
4. For elevation refer Architectural Drawing



WALL FOUNDATION WF 1



DETAILS OF RAMP FOUNDATION WF 2



**UNITED NATIONS
DEVELOPMENT PROGRAMME**

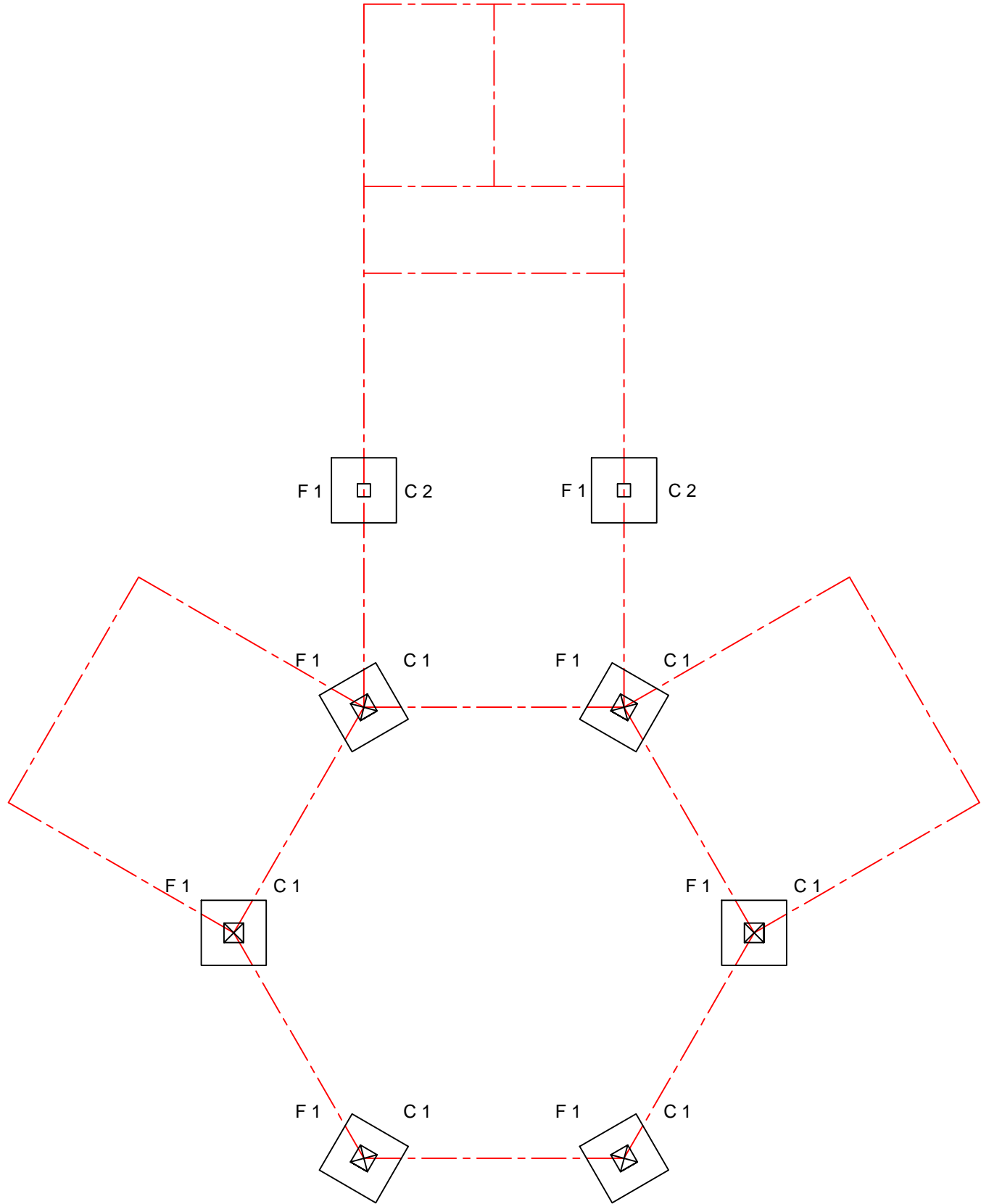
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CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM.

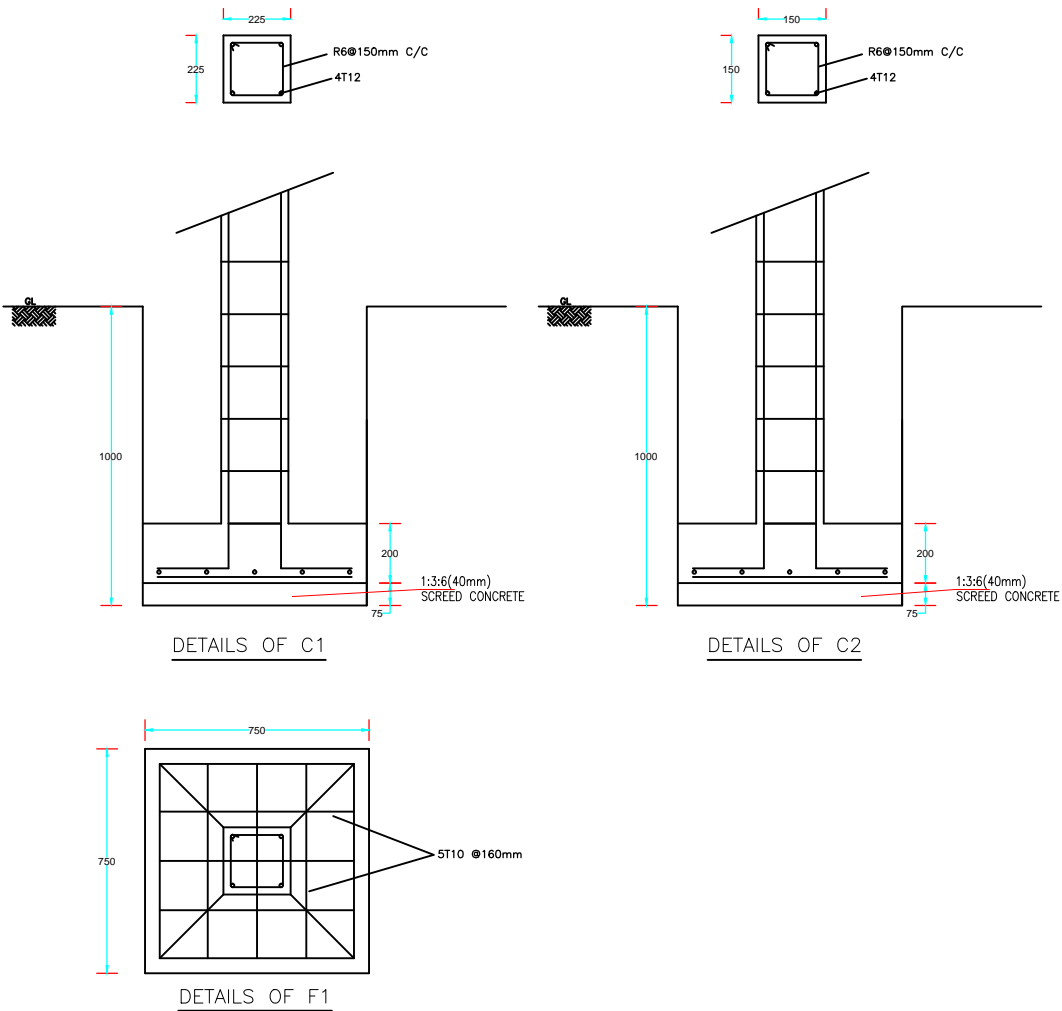


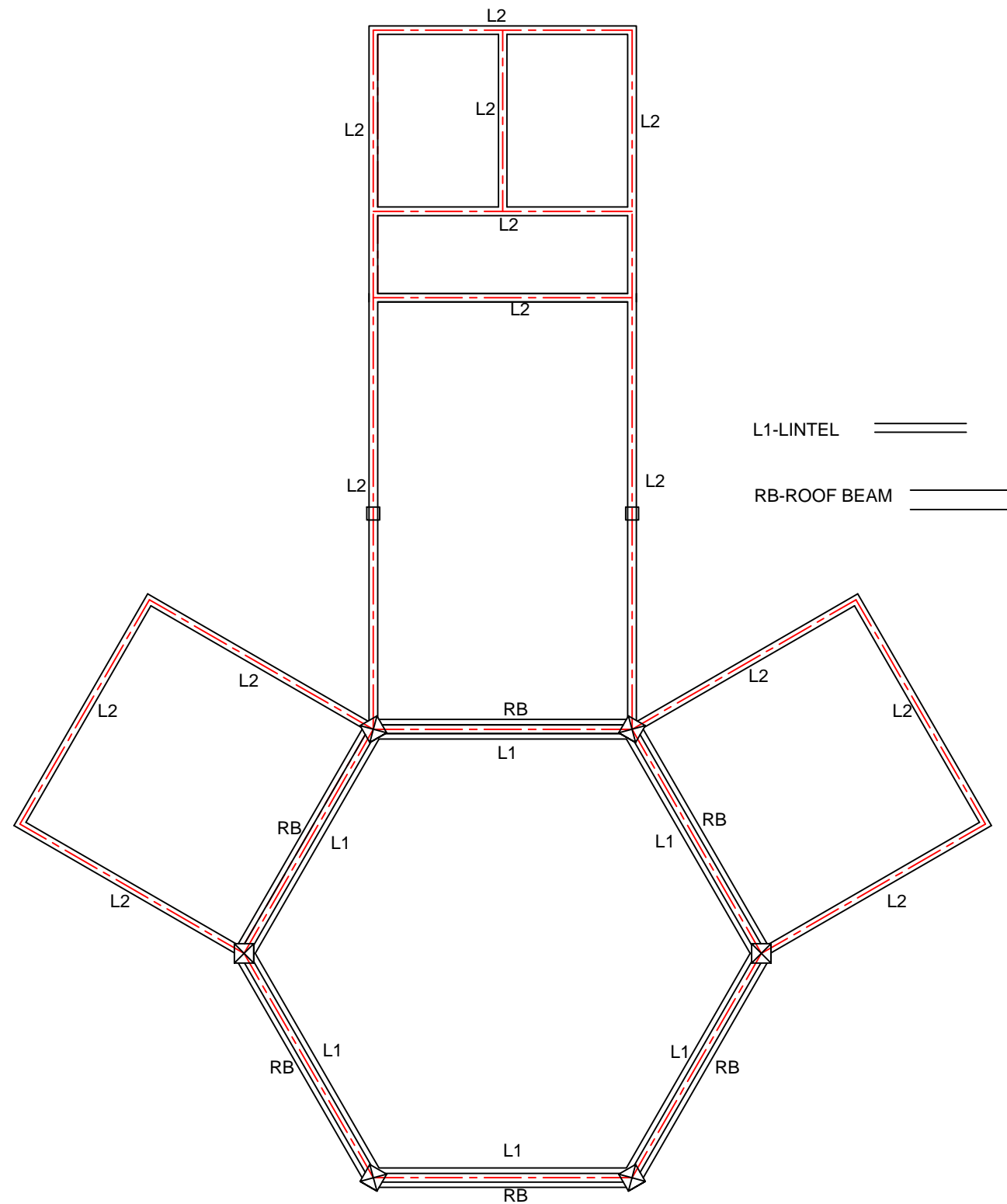
**RESOURCES DEVELOPMENT
CONSULTANTS (PVT) LTD,**
No: 55-2/1, Galle Road,
Colombo - 03

DRAWING TITLE	Layout & details of Wall foundation		
DRAWN	S.S		
CHECKED	A.M		
DATE	18.08.2015		
SCALE	N.T.S.		
DRAWING NO	UNDP/MUL/MAN/TOUR/SD/001	REV. NO	

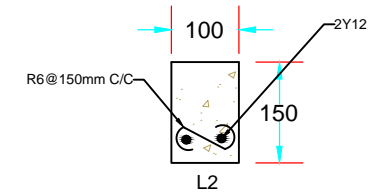
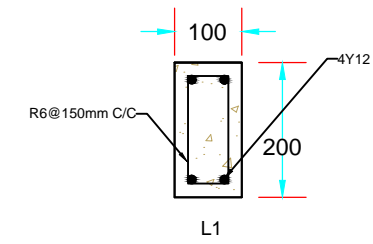


- 1. Structural Concrete Grade
20(20) N/mm²
- 2. Minimum Concrete cover
Thickness 20mm
- 3. All dimensions in mm
- 4. For elevation refer Architectural
Drawing

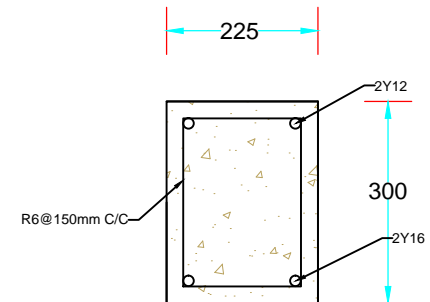




1. Structural Concrete Grade
20(20) N/mm²
2. Minimum Concrete cover
Thickness 20mm
3. All dimensions in mm
4. For elevation refer Architectural
Drawing



DETAILS OF LINTEL



DETAILS OF ROOF LEVEL BEAM



**UNITED NATIONS
DEVELOPMENT PROGRAMME**

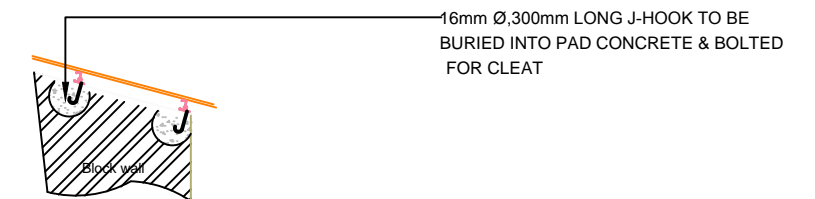
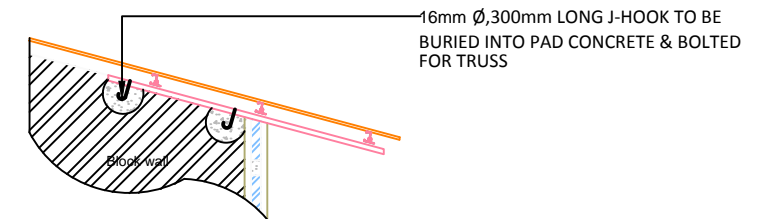
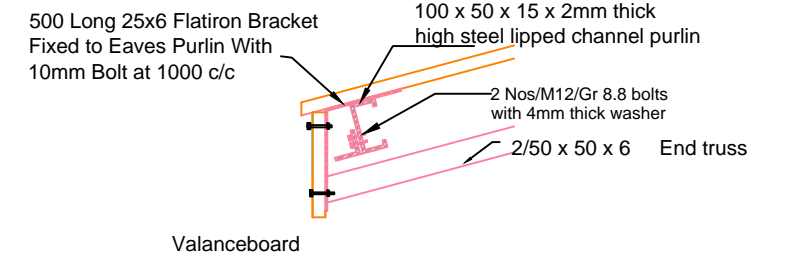
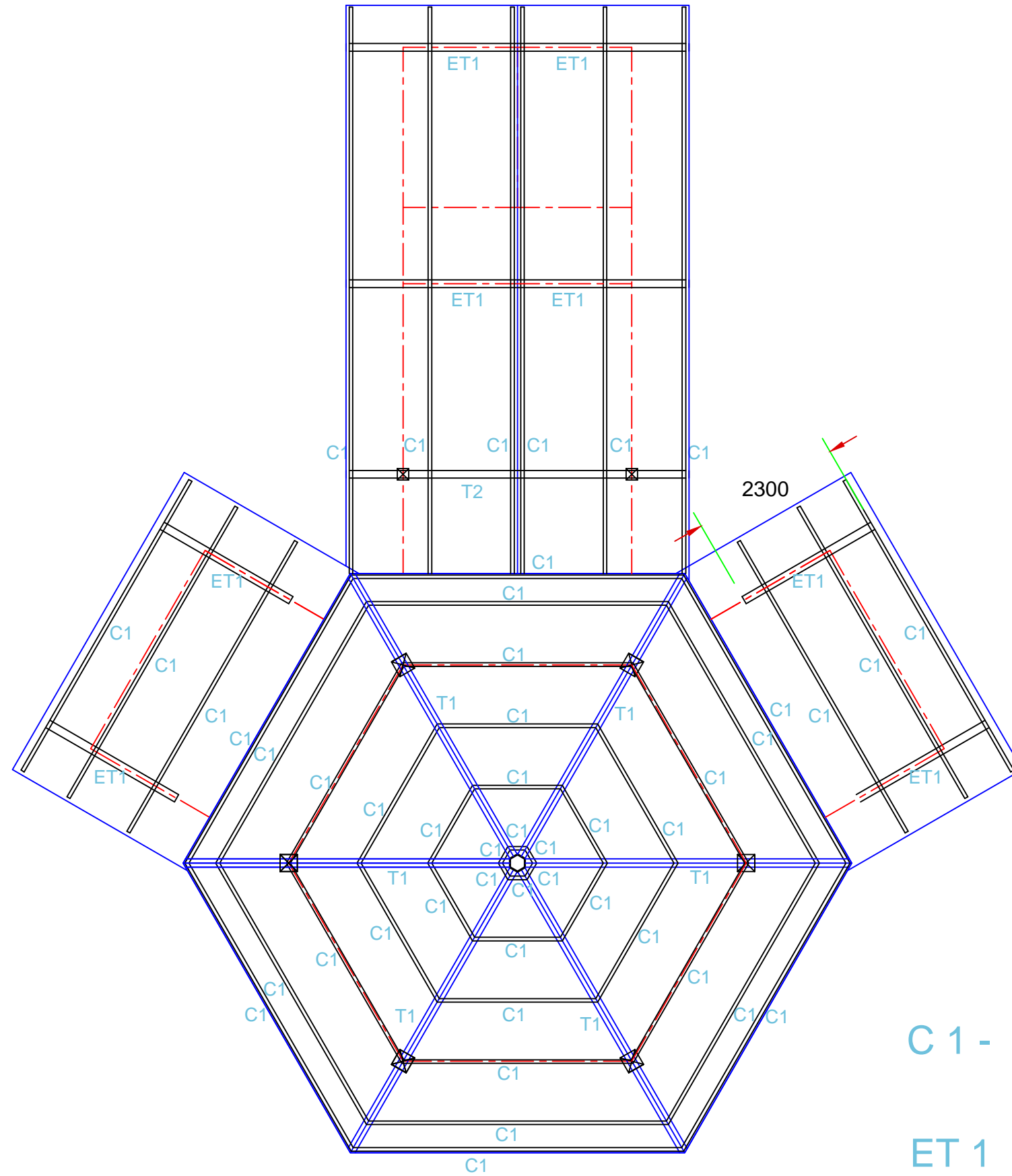
PROJECT REF. No:

CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM.



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

DRAWING TITLE	Details of Lintel and Beam		
DRAWN	S.S		
CHECKED	A.M		
DATE	19.08.2015		
SCALE	N.T.S.		
DRAWING NO	UNDP/MUL/MAN/TOUR/SD/003	REV. NO	



C 1 - C10020 (100x50x14) HYS PURLIN

ET 1 - END TRUSS - 2/50X50X6



**UNITED NATIONS
DEVELOPMENT PROGRAMME**

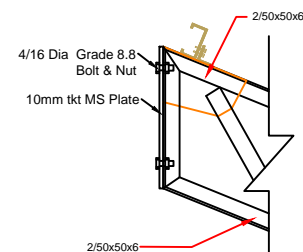
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**CONSTRUCTION OF TOURISM PROMOTION CENTER
AT MANKULAM.**

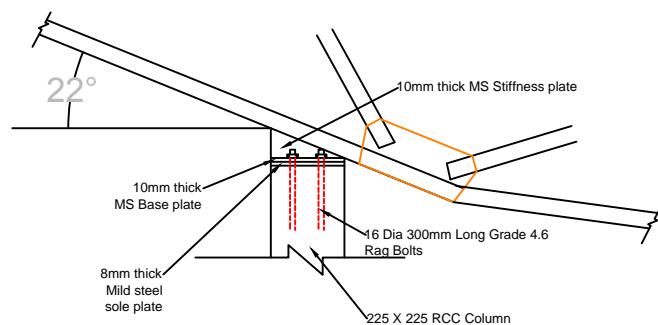


**RESOURCES DEVELOPMENT
CONSULTANTS (PVT) LTD,**
No: 55-2/1, Galle Road,
Colombo - 03

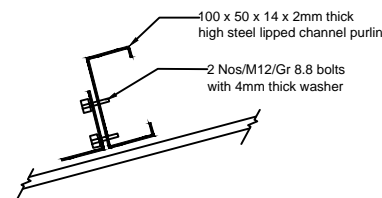
DRAWING TITLE	Details of Roof frame		
DRAWN	S.S		
CHECKED	A.M		
DATE	19.08.2015		
SCALE	N.T.S.		
DRAWING NO	UNDP/MUL/MAN/TOUR/SD/004	REV. NO	



Detail at "P"

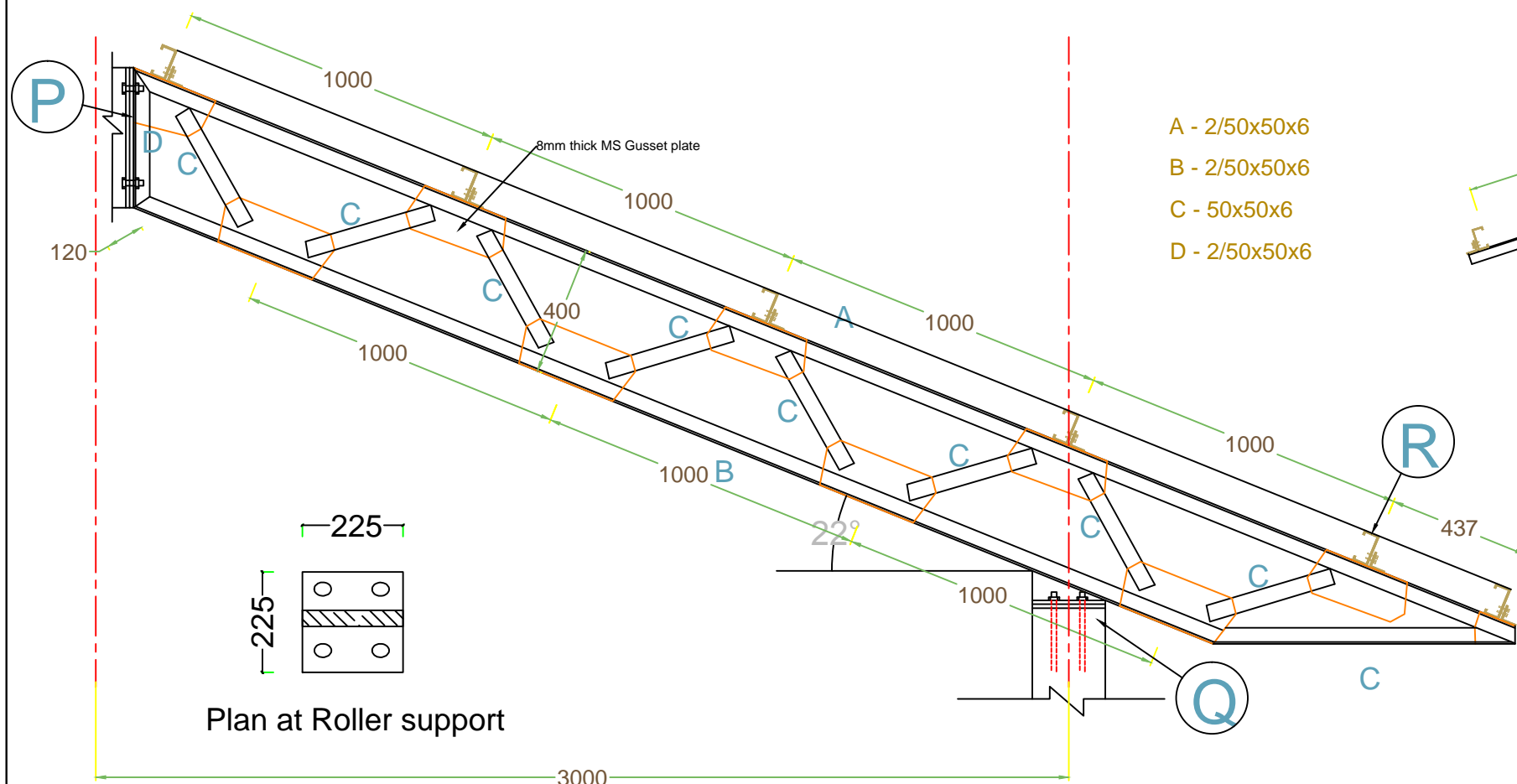


Detail at "Q"

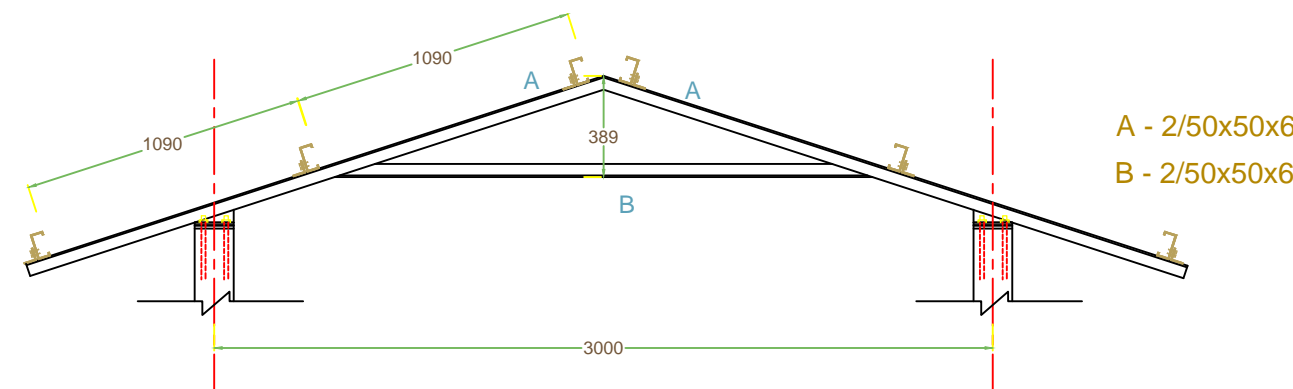


Detail at "R"

- NOTES:
- (1) REFER ARCHITECTURAL DRAWING FOR COLUMN HEIGHT.
 - (2) ALL STRUCTURAL STEEL SHOULD BE GRADE 43 (YIELD STRENGTH 275N/MM²) IN COMPLINE WITH BS 4360.
 - (3) STRENGTH OF THE BOLTS USED FOR CONNECTION AS OF BS 5950 ARE GIVEN BELOW.
GRADE 8.8-HIGH STRENGTH STEEL- YIELD STRESS - 627N/MM²
GRADE 4.6-MILD STRENGTH STEEL- YIELD STRESS - 235N/MM²
 - (4) ALL EXPOSED STEEL COMPONENTS SHOULD BE PROJECTED WITH TWO COATS OF APPROVED ANTICORROSSIVE PAINT.
 - (5) ALL WELDS SHOULD BE FILLET WELDS OF 6mm LEG LENGTH HAVING STRENGTH OF 215N/mm SPECIFIED IN TABLE 36 OF BS 5950 WITH RESPECT TO COVERD ELECTRODE TYPE E43 COMPLYING WITH BS 639.
 - (6) MINIMUM FILLET WELDING LENGTH (h) TO BE 100mm BOTH SIDE UNLESS SHOWN OTHERWISE.
 - (7) ALL STEEL MEMBER SECTION ARE ANGLE IRON



DETAIL OF ROOF TRUSS - TI



DETAIL OF ROOF TRUSS - T2



UNITED NATIONS
DEVELOPMENT PROGRAMME

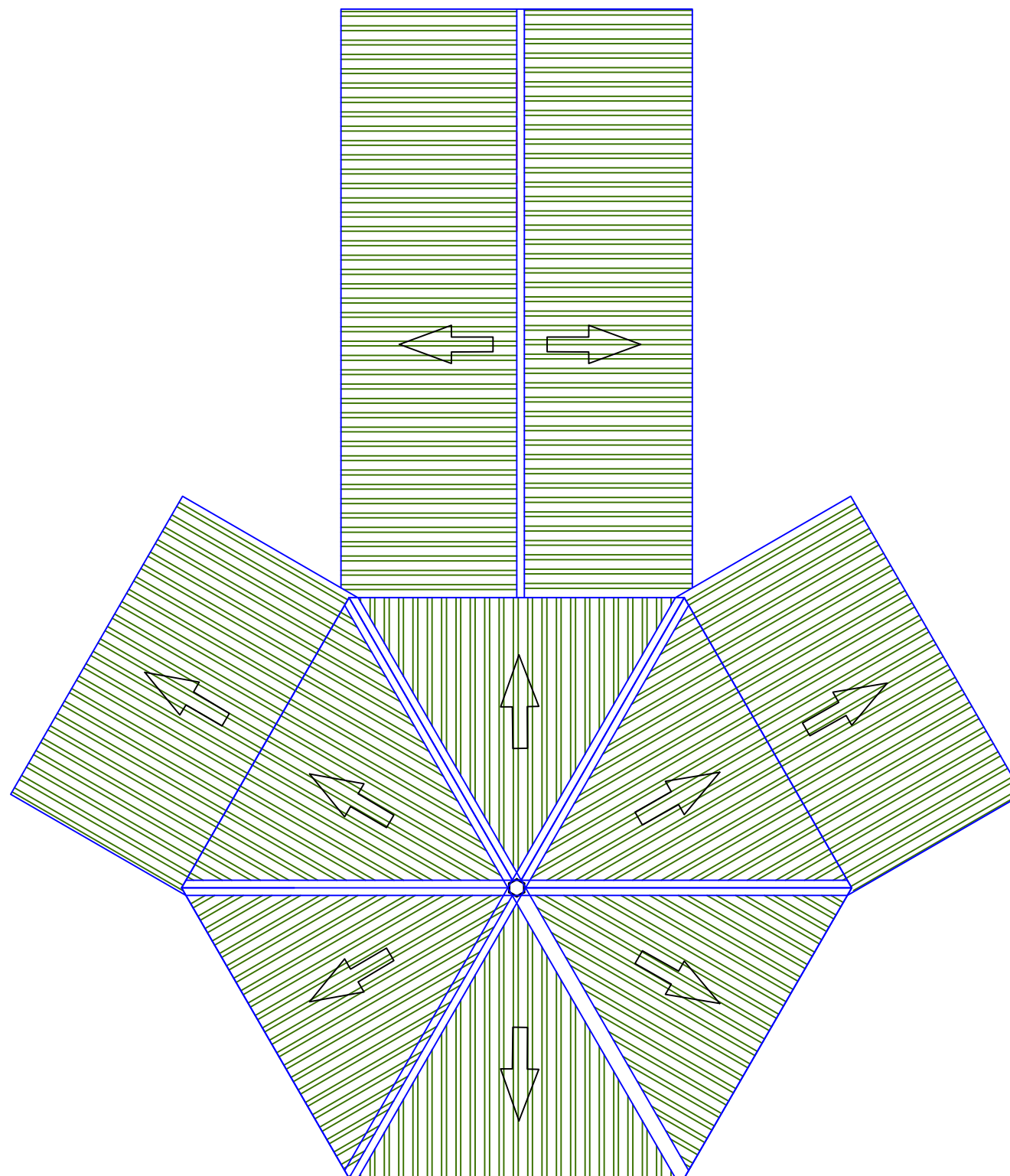
PROJECT REF. No:

CONSTRUCTION OF TOURISM PROMOTION CENTER
AT MANKULAM.



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

DRAWING TITLE	Details of Roof truss		
DRAWN	S.S		
CHECKED	A.M		
DATE	19.08.2015		
SCALE	N.T.S.		
DRAWING NO	UNDP/MUL/MAN/TOUR/SD/005	REV. NO	



**UNITED NATIONS
DEVELOPMENT PROGRAMME**

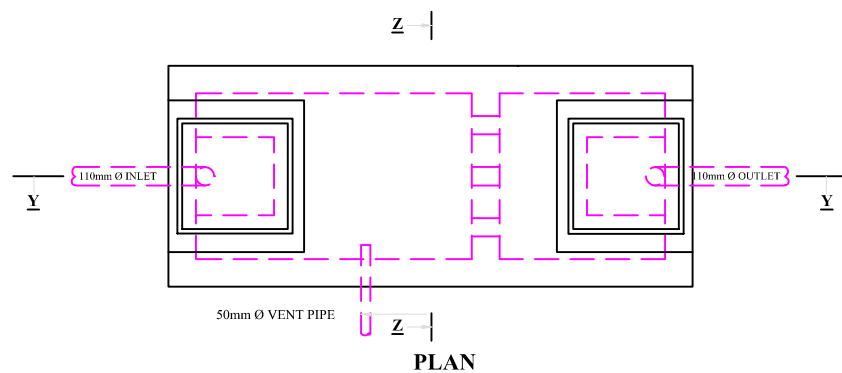
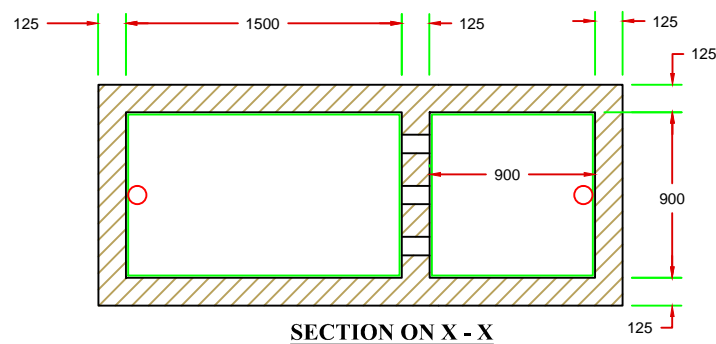
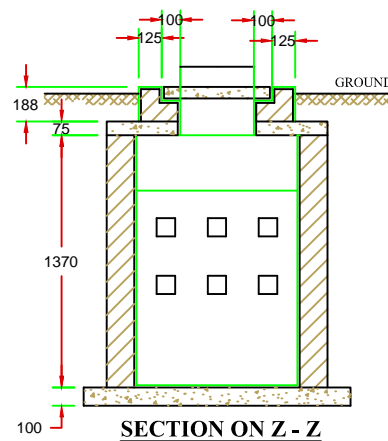
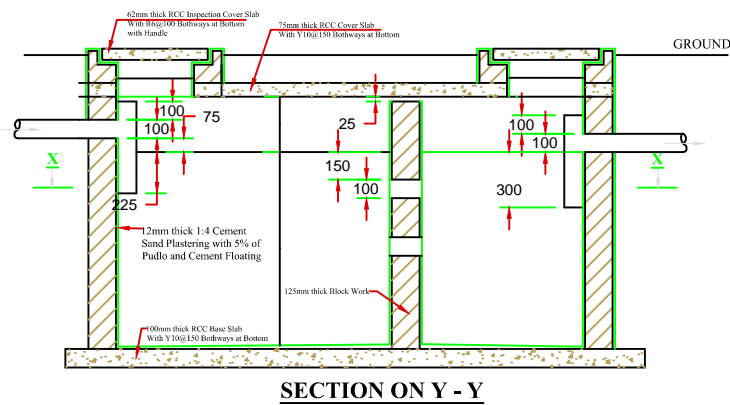
PROJECT REF. No:

**CONSTRUCTION OF TOURISM PROMOTION CENTER
AT MANKULAM.**

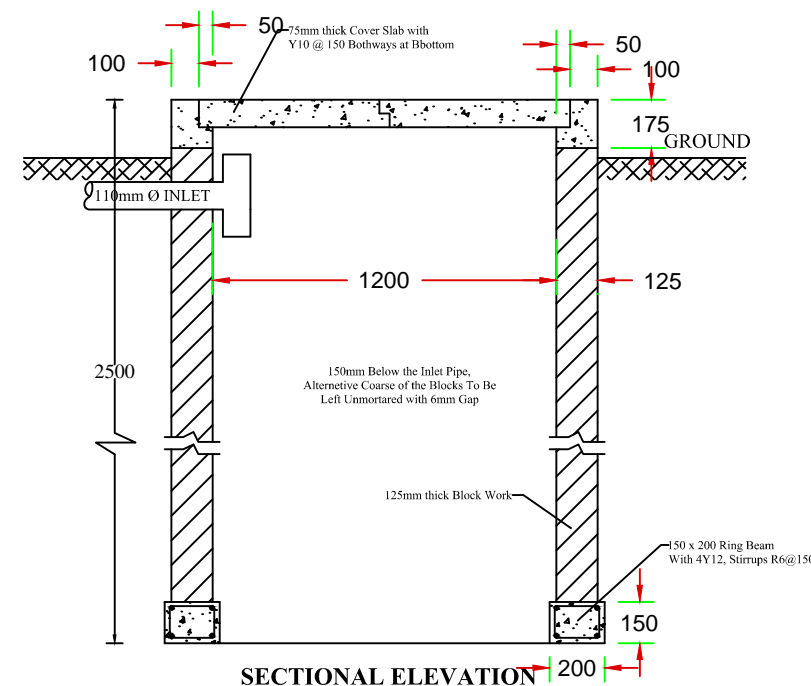
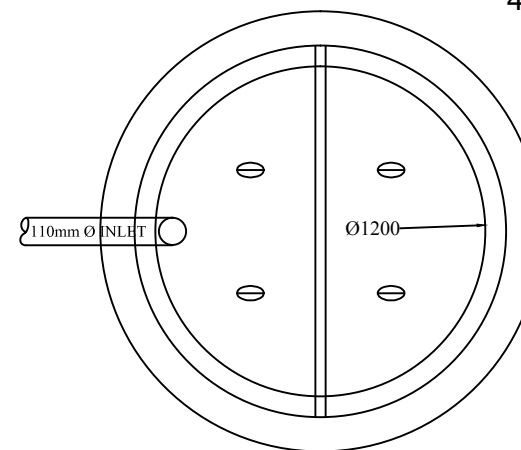


**RESOURCES DEVELOPMENT
CONSULTANTS (PVT) LTD,**
No: 55-2/1, Galle Road,
Colombo - 03

DRAWING TITLE	Layout of Roof		
DRAWN	S.S		
CHECKED	A.M		
DATE	19.08.2015		
SCALE	N.T.S.		
DRAWING NO	UNDP/MUL/MAN/TOUR/SD/006	REV. NO	



SEPTIC TANK



SOACKAGE PIT

1. Structural Concrete Grade 20(20) N/mm²
2. Minimum Concrete cover Thickness 20mm
3. All dimensions in mm
4. For elevation refer Architectural Drawing



UNITED NATIONS
DEVELOPMENT PROGRAMME

PROJECT REF. No:

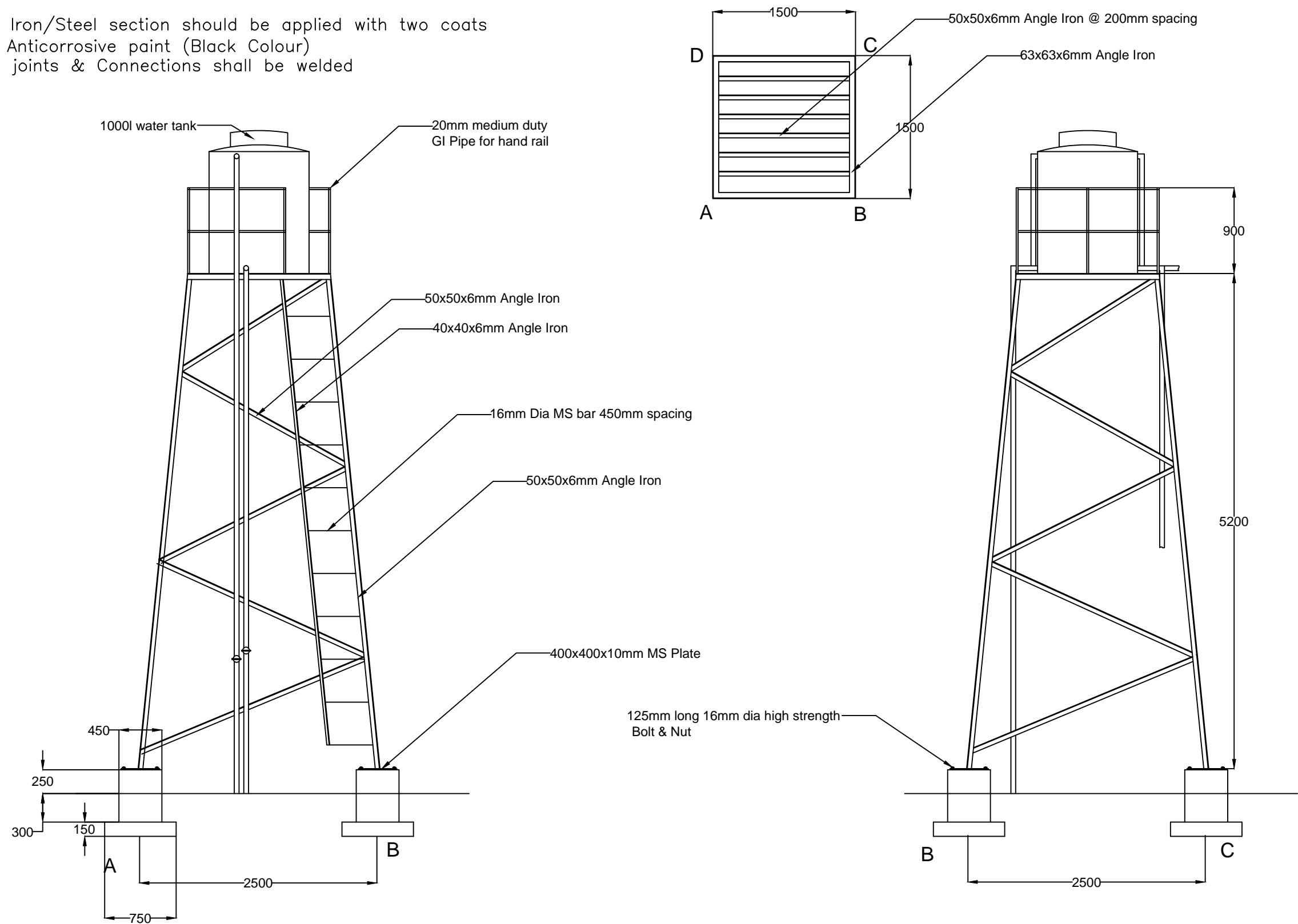
CONSTRUCTION OF TOURISM PROMOTION CENTER
AT MANKULAM.



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

DRAWING TITLE	Details of Septic tank & Soakage pit		
DRAWN	S.S		
CHECKED	A.M		
DATE	22.08.2015		
SCALE	N.T.S.		
DRAWING NO	UNDP/MUL/MAN/TOUR/SD/007	REV. NO	

- Note:—
- 1.All Iron/Steel section should be applied with two coats of Anticorrosive paint (Black Colour)
 - 2.All joints & Connections shall be welded



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DEVELOPMENT PROGRAMME

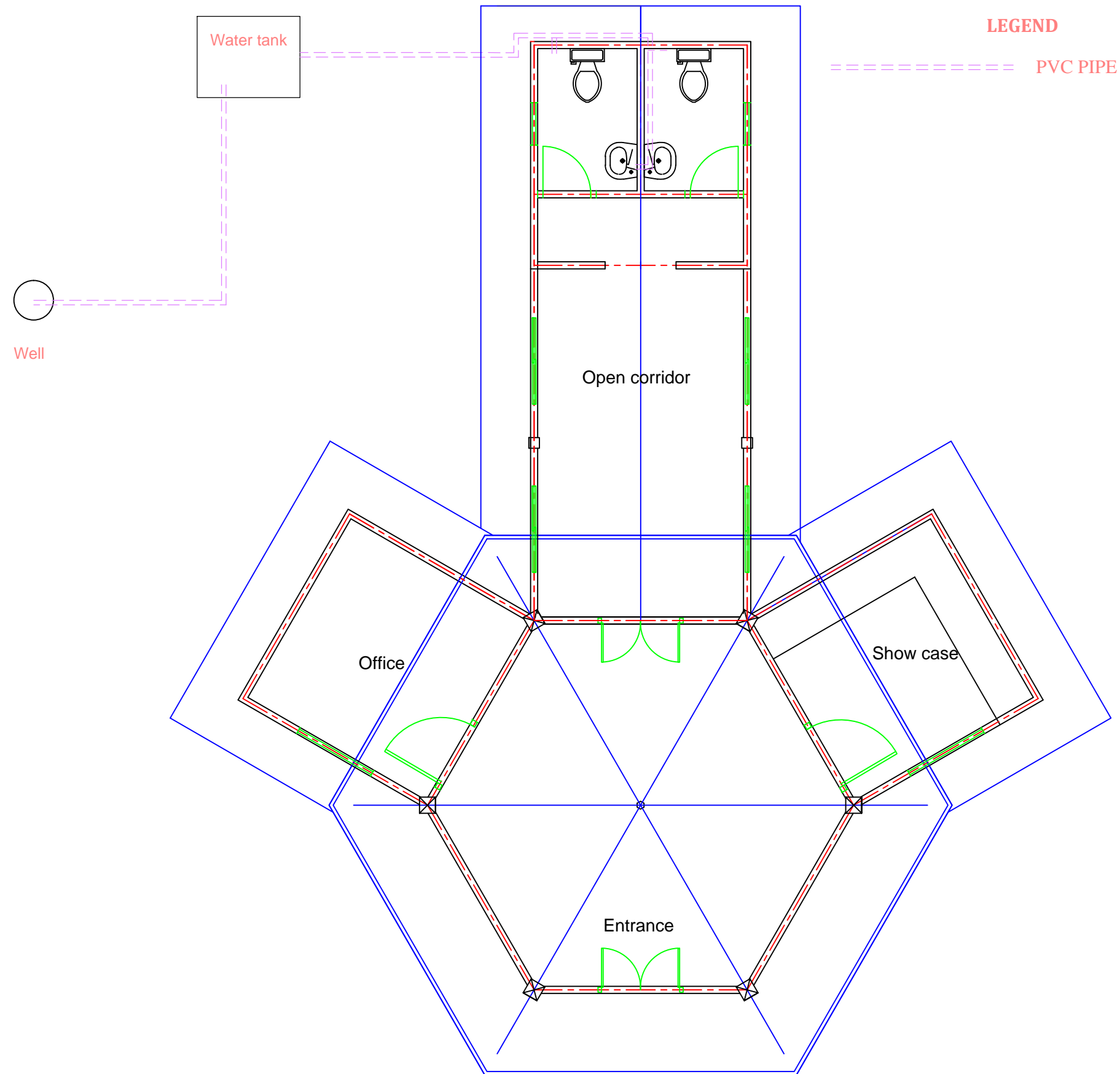
PROJECT REF. No:

CONSTRUCTION OF TOURISM PROMOTION CENTER
AT MANKULAM.



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

DRAWING TITLE	Details of Water tank stand		
DRAWN	S.S		
CHECKED	A.M		
DATE	21.08.2015		
SCALE	N.T.S.		
DRAWING NO	UNDP/MUL/MAN/TOUR/PLU/001	REV. NO	



**UNITED NATIONS
DEVELOPMENT PROGRAMME**

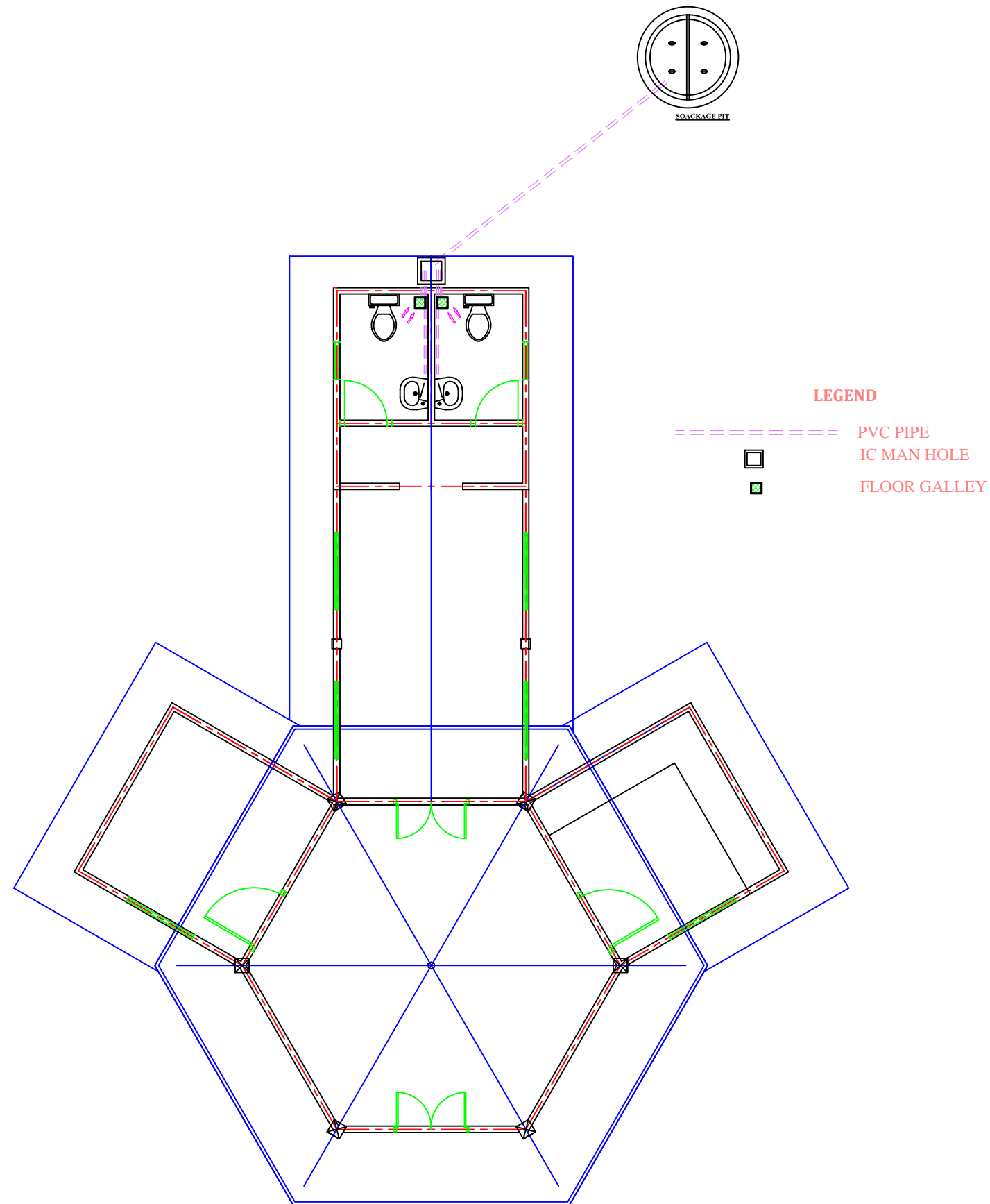
PROJECT REF. No:

CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM.



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

DRAWING TITLE	Layout Water supply		
DRAWN	S.S		
CHECKED	A.M		
DATE	20.08.2015		
SCALE	N.T.S.		
DRAWING NO	UNDP/MUL/MAN/TOUR/PLU/002	REV. NO	



**UNITED NATIONS
DEVELOPMENT PROGRAMME**

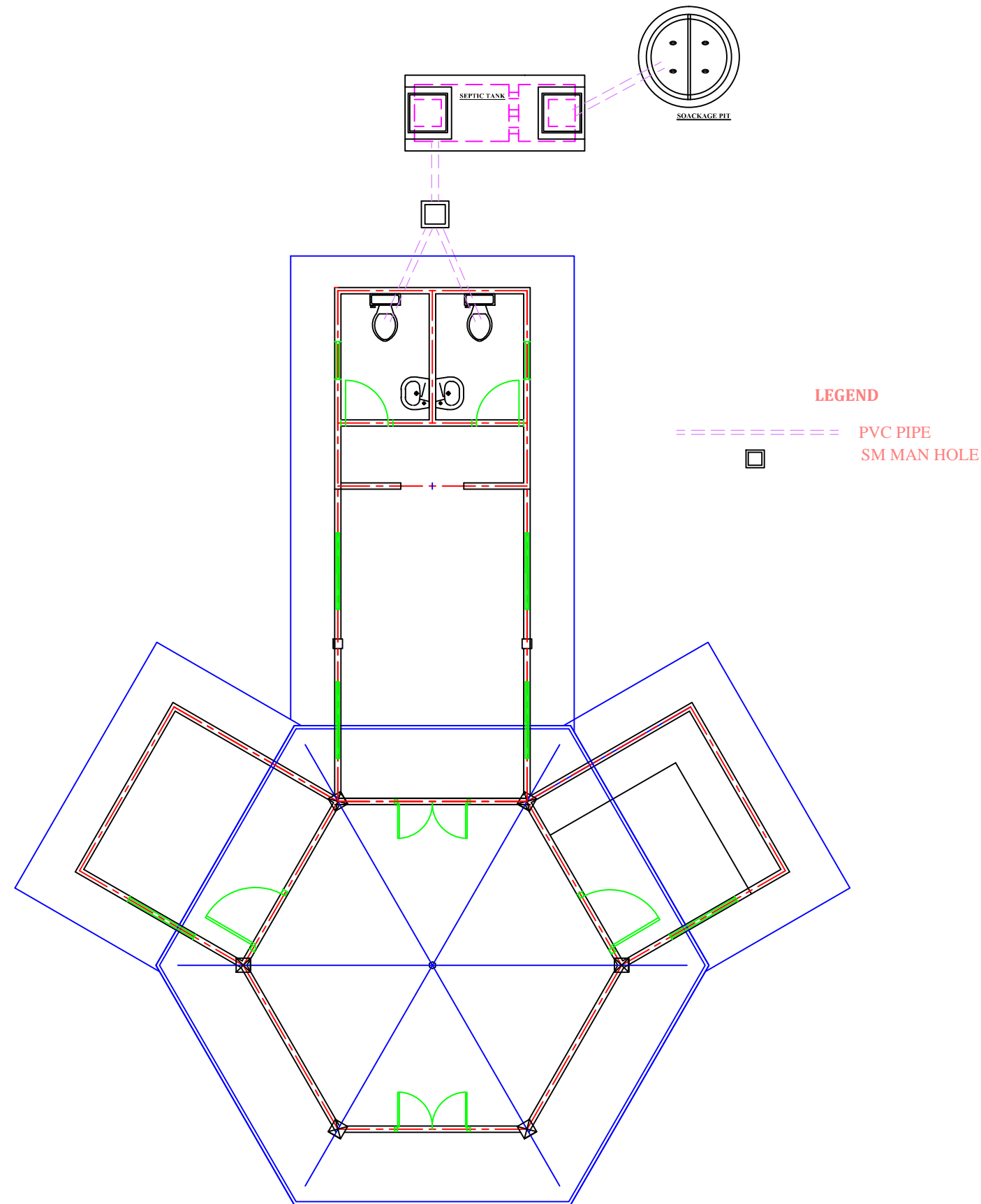
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CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM.



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

DRAWING TITLE	Layout of Waste disposal		
DRAWN	S.S		
CHECKED	A.M		
DATE	20.08.2015		
SCALE	N.T.S.		
DRAWING NO	UNDP/MUL/MAN/TOUR/PLU/003	REV. NO	



**UNITED NATIONS
DEVELOPMENT PROGRAMME**

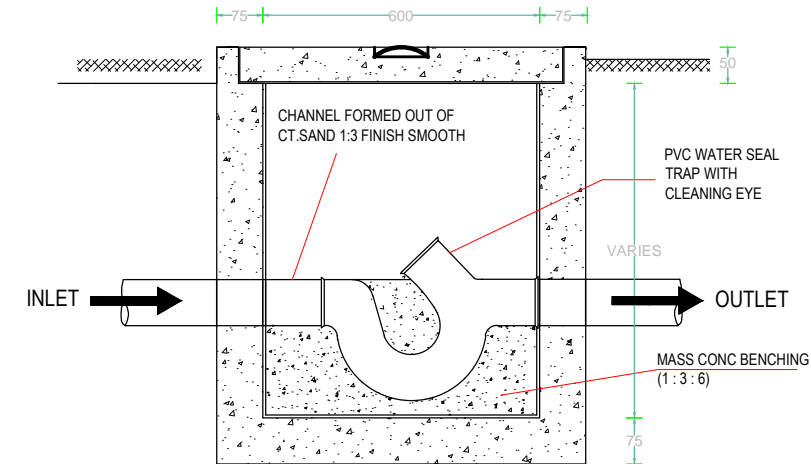
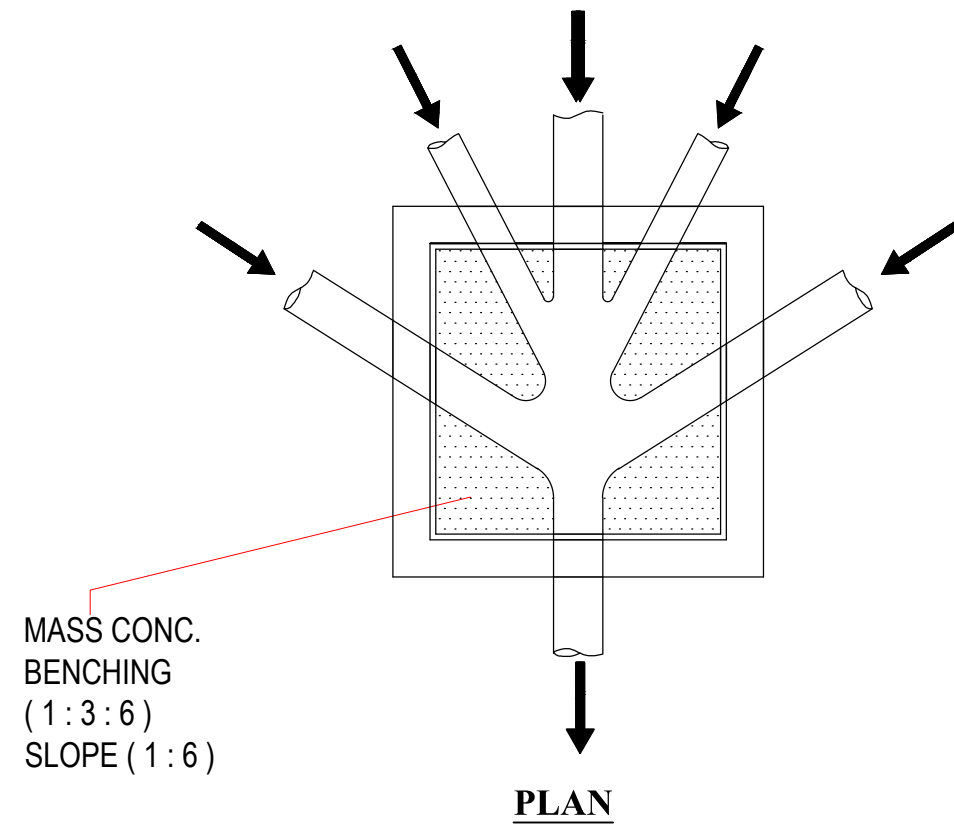
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CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM.

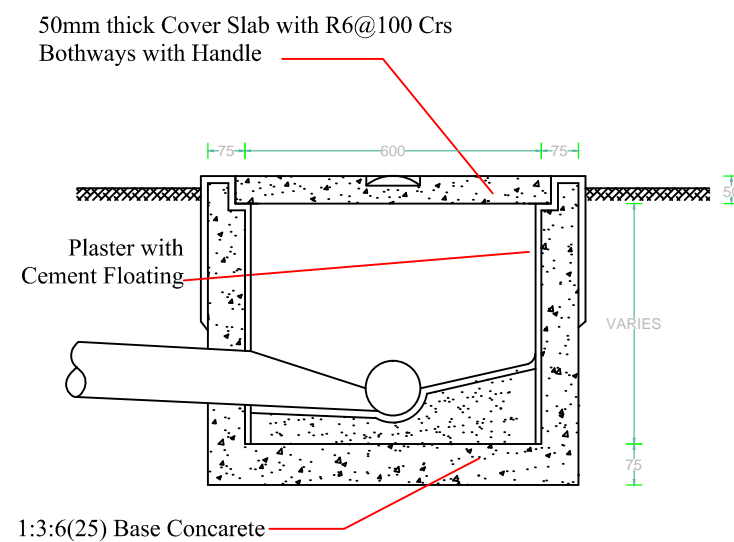


**RESOURCES DEVELOPMENT
CONSULTANTS (PVT) LTD,**
No: 55-2/1, Galle Road,
Colombo - 03

DRAWING TITLE	Layout of Sewer disposal		
DRAWN	S.S		
CHECKED	A.M		
DATE	20.08.2015		
SCALE	N.T.S.		
DRAWING NO	UNDP/MUL/MAN/TOUR/PLU/004	REV. NO	

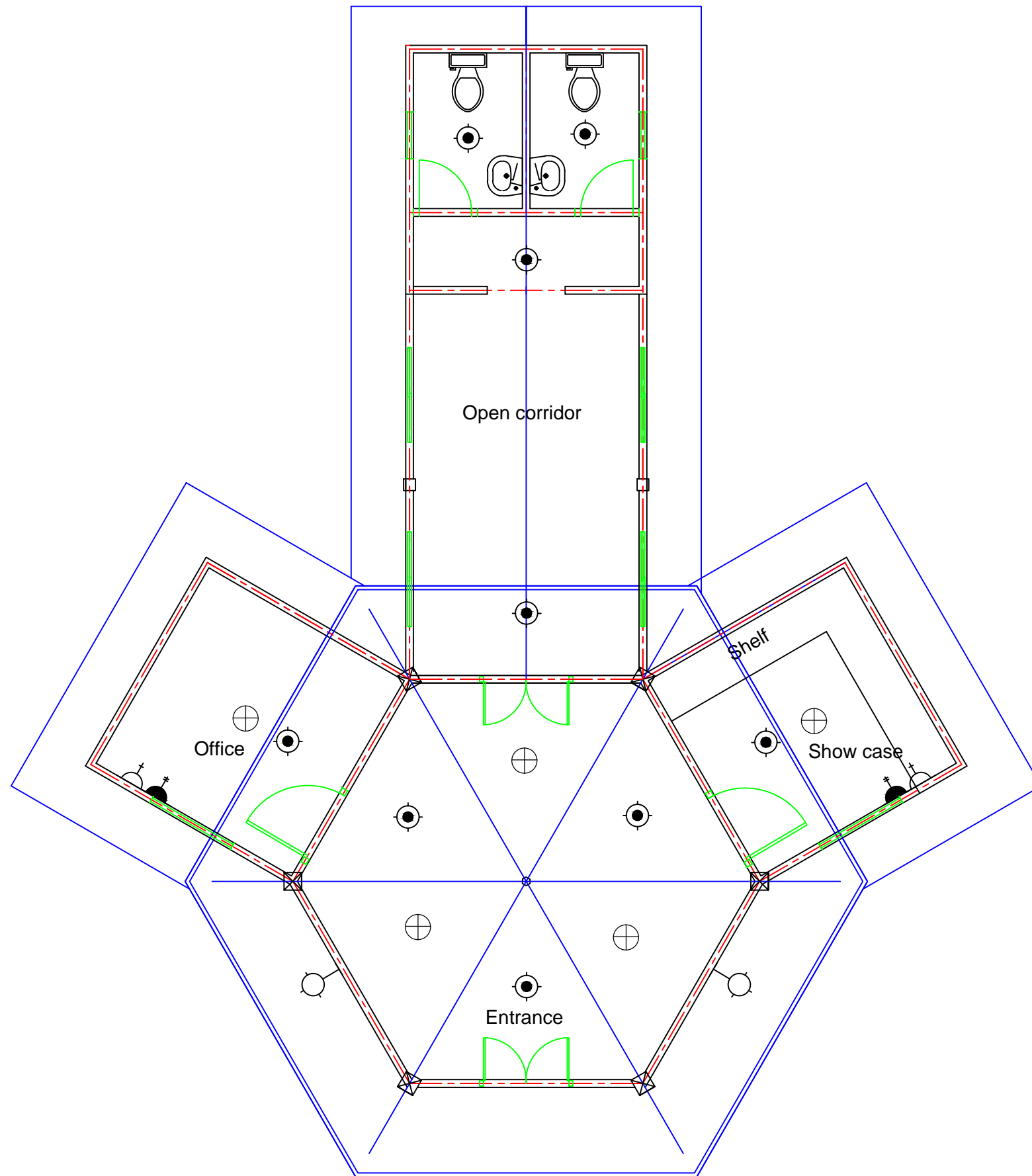


SECTIONAL ELEVATION
TYPICAL INTERCEPTOR MAN HOLE



SECTIONAL ELEVATION
TYPICAL SEWER MAN HOLE

DRAWING TITLE	Details of Manholes		
DRAWN	S.S		
CHECKED	A.M		
DATE	20.08.2015		
SCALE	N.T.S.		
DRAWING NO	UNDP/MUL/MAN/TOUR/PLU/005	REV. NO	



ELECTRICAL LEGEND	
TYPE	DESCRIPTION
	Wall Bracket Lamp
	Pendent Lamp(CFL Lamp)
	(5A) Socket Outlet
	(15A) Socket Outlet
	Fan
	Switch



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DEVELOPMENT PROGRAMME**

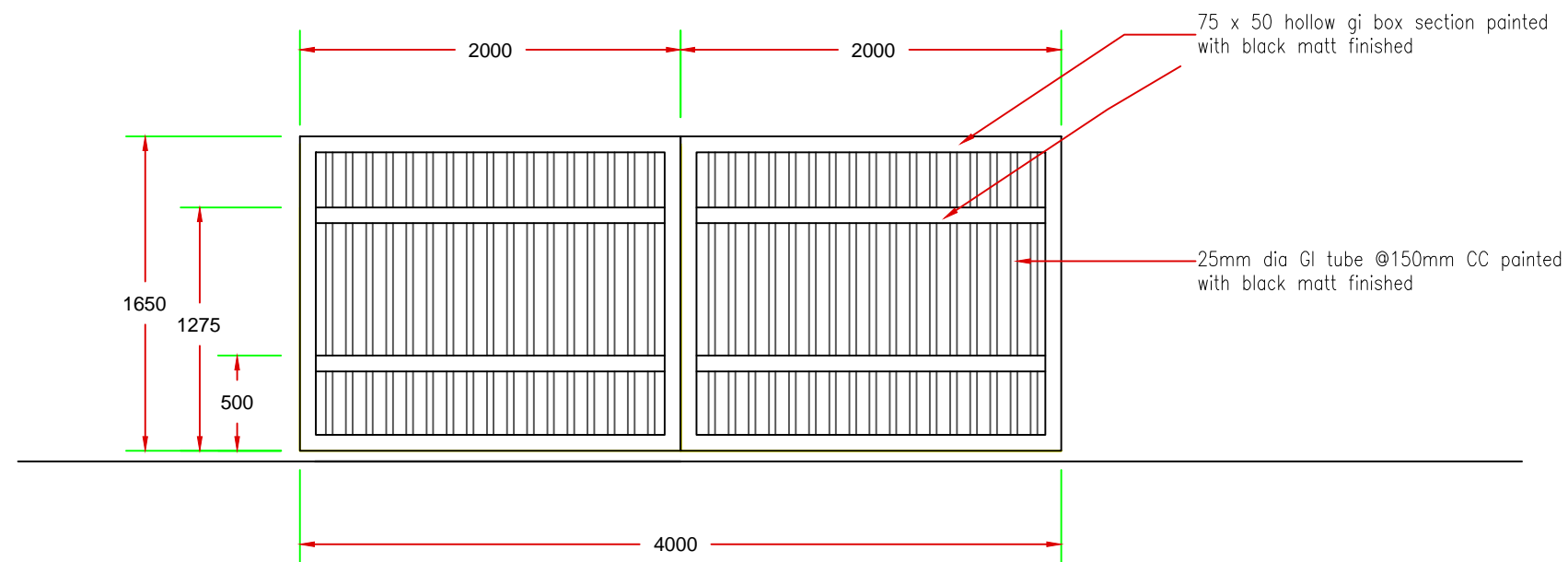
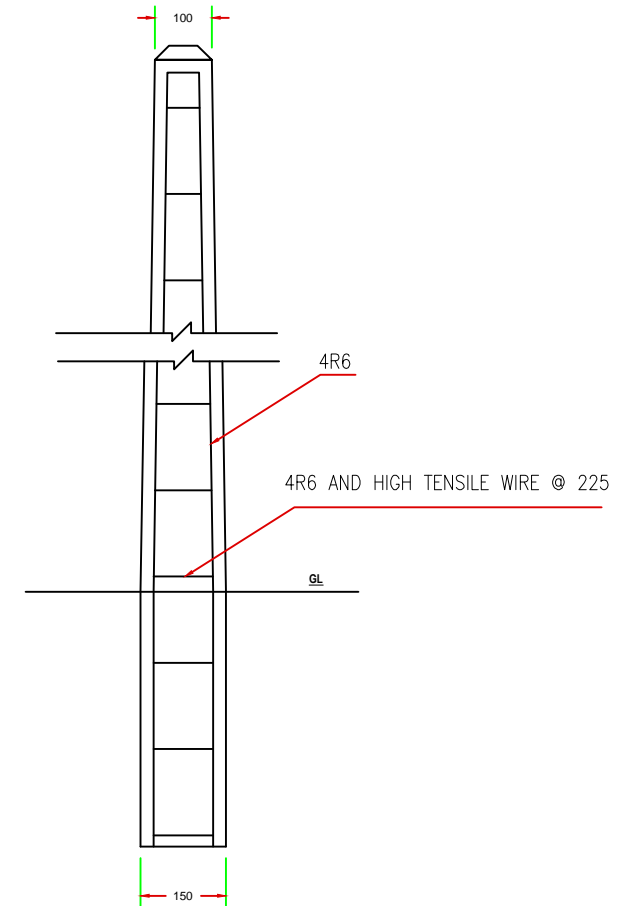
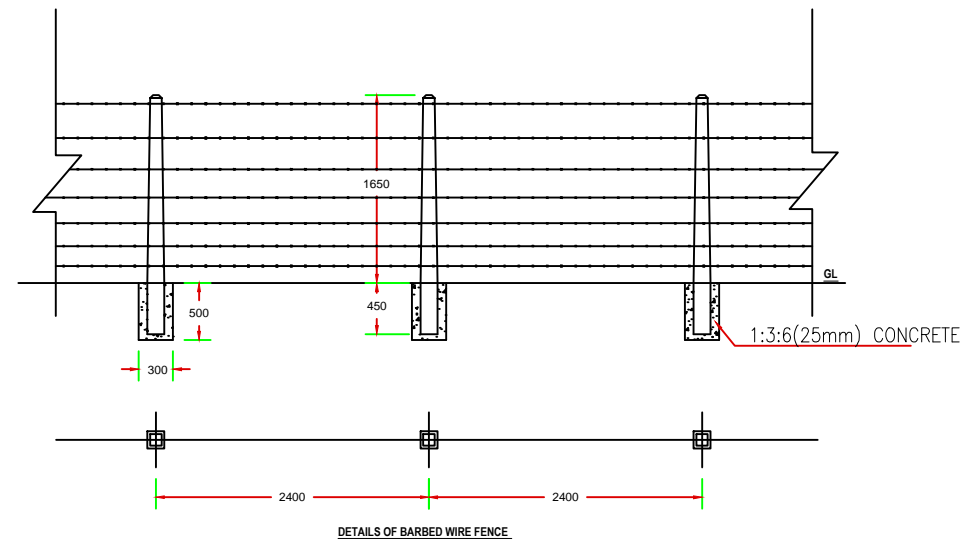
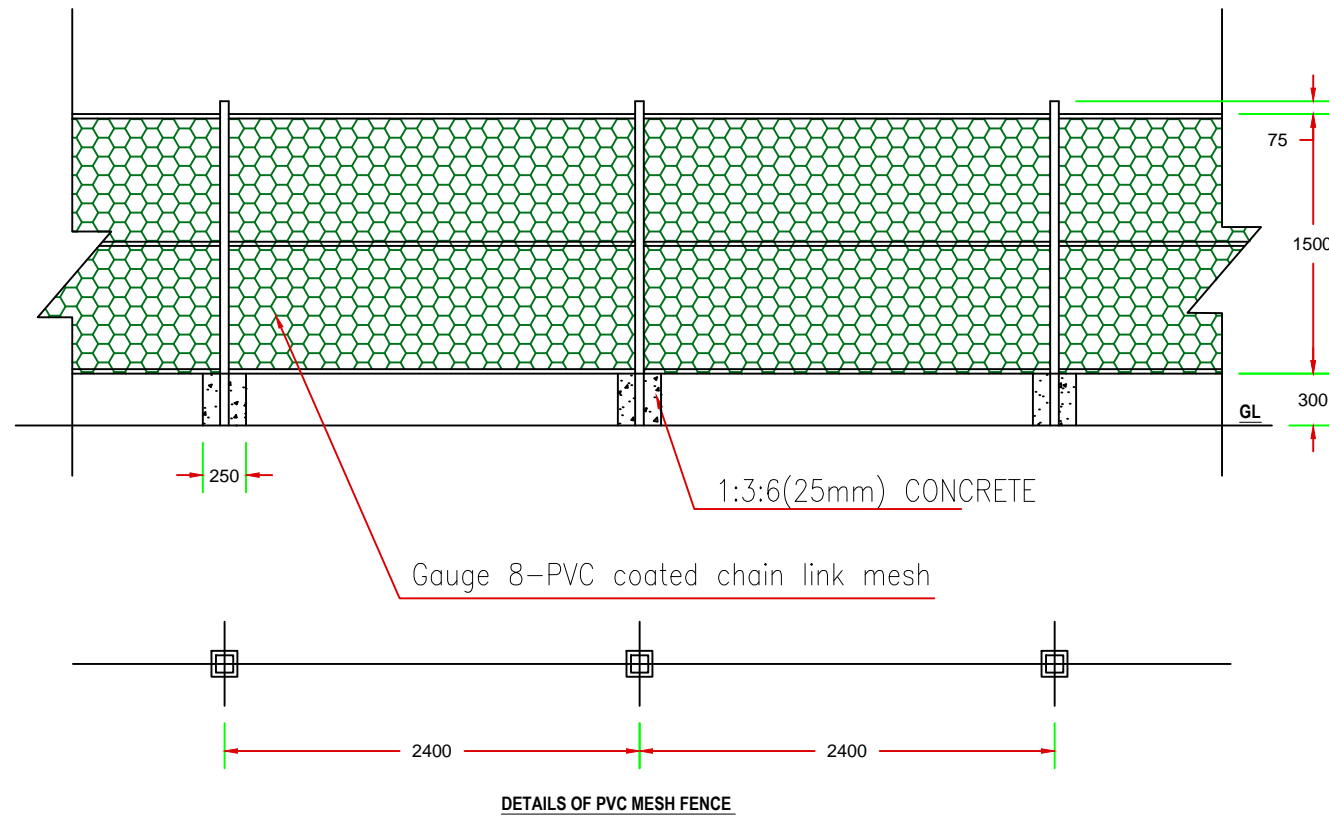
PROJECT REF. No:

CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM.



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

DRAWING TITLE	Detail Electrical floor layout		
DRAWN	S.S		
CHECKED	A.M		
DATE	20.08.2015		
SCALE	N.T.S.		
DRAWING NO	UNDP/MUL/MAN/TOUR/ELE/001	REV. NO	



1. Structural Concrete Grade 20(20) N/mm²
2. Minimum Concrete cover Thickness 20mm
3. All dimensions in mm
4. For elevation refer Architectural Drawing



**UNITED NATIONS
DEVELOPMENT PROGRAMME**

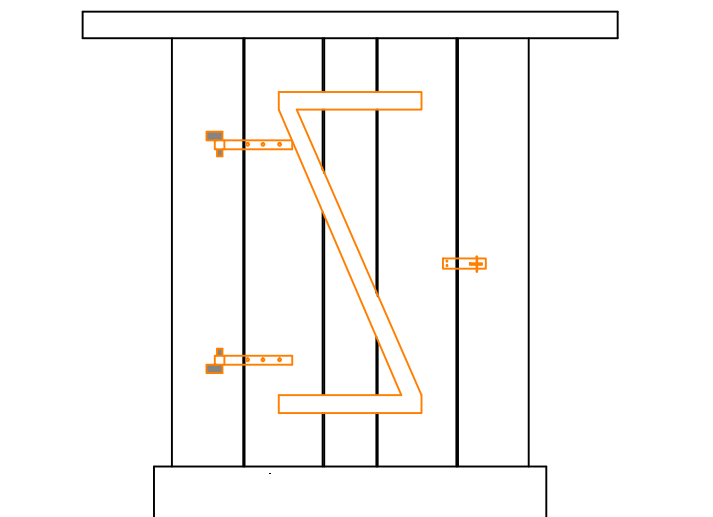
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CONSTRUCTION OF TOURISM PROMOTION CENTER AT MANKULAM.

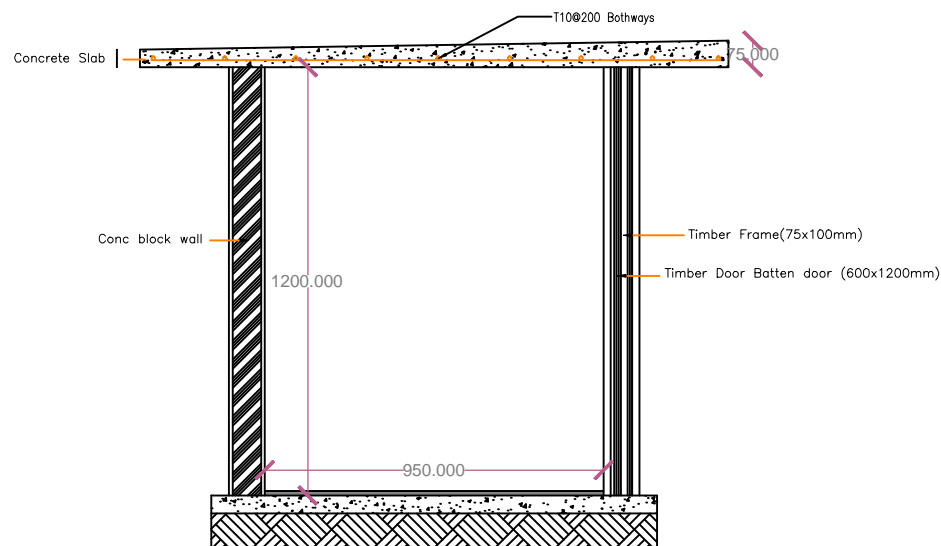


**RESOURCES DEVELOPMENT
CONSULTANTS (PVT) LTD,**
No: 55-2/1, Galle Road,
Colombo - 03

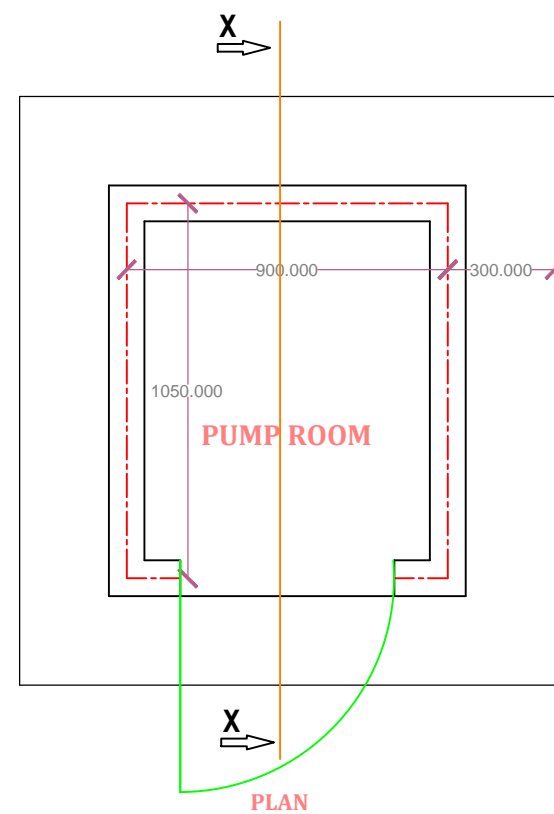
DRAWING TITLE	Details of Fence and Gate		
DRAWN	S.S		
CHECKED	A.M		
DATE	22.08.2015		
SCALE	N.T.S.		
DRAWING NO	UNDP/MUL/MAN/TOUR/EXT/001	REV. NO	



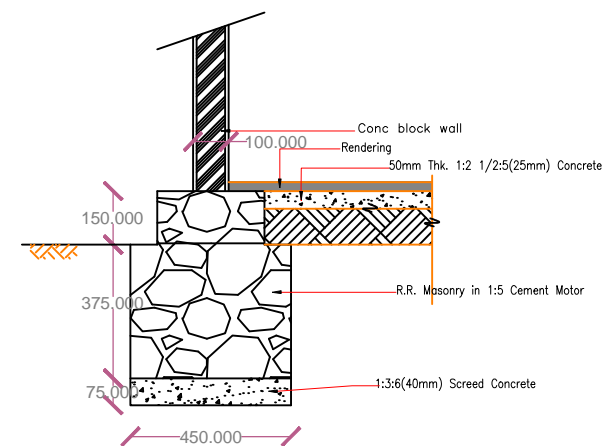
FRONT ELEVATION



SECTION ON X-X



PLAN



FOUNDATION DETAILS

1. Structural Concrete Grade 20(20) N/mm²
2. Minimum Concrete cover Thickness 20mm
3. All dimensions in mm
4. For elevation refer Architectural Drawing



UNITED NATIONS
DEVELOPMENT PROGRAMME

PROJECT REF. No:

CONSTRUCTION OF TOURISM PROMOTION CENTER
AT MANKULAM.



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

DRAWING TITLE	Details of Pump Room		
DRAWN	S.S		
CHECKED	A.M		
DATE	22.08.2015		
SCALE	N.T.S.		
DRAWING NO	UNDP/MUL/MAN/TOUR/EXT/002	REV. NO	