

GOVERNMENT OF THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF TRANSPORT AND HIGHWAYS
ROAD DEVELOPMENT AUTHORITY
INVITATION FOR BIDS

1. The Chairman, Ministry Procurement Committee, on behalf of the Road Development Authority (RDA), invites sealed bids from eligible and qualified bidders for the **project** described below:-

Contract No.	Contract Name	Engineer's Estimate w/o contingencies (Rs. Mn)	CIDA Grade	Bid Security (Rs. Mn)	Contract Period (Calendar days)
RDA/DC/EP/GOSL/2023/05	CONSTRUCTION OF SUB STRUCTURE AND ROAD MOOKIRIYAN ODAI BRIDGE ACROSS MOOKIRIYAN ODAI RIVER IN PUNNAI IN BATTICALOA	124.30	C3 or C2	2.2	210

2. The work consists of Construction of Sub structure and road Mookiriyam odai bridge across Mookiriyam Odai River in Punnai in Batticaloa District
3. Bidding will be conducted through the National Competitive Bidding Procedure.
4. To be eligible for contract award, the successful bidder shall be currently registered with the Construction Industry Development Authority (CIDA) in grade given in the above table in **Bridge** specialty.
5. Interested bidders may obtain further information from the following offices and inspect the bidding documents via www.rda.gov.lk from **06/11/2023**.
- a. Provincial Director (Eastern), Road Development Authority, Batticaloa.
T: 065-2222850 Fax: 065 - 2222479
- b. Director (Construction), Road Development Authority, 3rd Floor, "Maganeguma Mahamedura", 216, Denzil Kobekaduwa Mawatha, Battaramulla. T P :011-2864388 Fax: 011-2861821
6. The Pre-Bid meeting will be held at 10:00 hrs. on **16/11/2023** at the office of the **Provincial Director (EP), Road Development Authority, Batticaloa** and a site visit will be arranged thereafter if necessary.
7. A complete set of Bidding Document in English language shall be purchased by the interested bidders via email on submission of a written application and valid cash deposit slip of non – refundable tender fee (contract number and name of the contractor should be indicated on the cash deposit slip) to Director Construction, RDA via email from **06/11/2023** until **28/11/2023** during 09:00 hrs to 15:00 hrs for above contract. The email address is **construction.rda@gmail.com**

Non-refundable tender fee of Rs. **25,000.00** (with VAT) for the bidding document can be paid by depositing cash to the following bank account.

Account Name : Director General – RDA
Account Number : 0000001943
Bank Name : Bank of Ceylon - Corporate Branch

Original/valid cash deposit slips should be submitted with the Bids at the submission of bids and it will be checked. The bids without the original/ valid cash deposit slip will be rejected.

As per the Public Contract Act No. 3 of 1987, only the Agents and Successful winners of tenders shall be registered in Department of Registrar of Companies.

8. Bid shall be accompanied by a Bid- Security for an amount given in the above table. Bid- Security shall be valid up to **27/03/2024**.
9. Bids shall be delivered in **duplicate** to the **Chairman, Procurement Committee, Road Deployment Authority, 1st Floor, "Maganeguma Mahamedura", Denzil Kobekaduwa Mawatha, Battaramulla** on or before **14:00 hrs** on **29/11/2023**. Late bids will be rejected. Bids will be opened soon after the closing, in the presence of the bidders' or their representatives who choose to attend.
10. Bid shall be valid up to **28/02/2024**.

The Chairman,
Procurement Committee
Road Development Authority,
1st Floor, "Maganeguma Mahamedura",
Denzil Kobekaduwa Mawatha, Battaramulla.

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

MINISTRY OF TRANSPORT AND HIGHWAYS

ROAD DEVELOPMENT AUTHORITY



BIDDING DOCUMENT

FOR

CONSTRUCTION OF SUB STRUCTURE AND ROAD MOOKIRIYAN ODAI BRIDGE ACROSS
MOOKIRIYAN ODAI RIVER IN PUNNAI IN BATTICALOA
CONTRACT NO. RDA/DC/EP/GOSL/2023/05

BID SUBMITTED BY

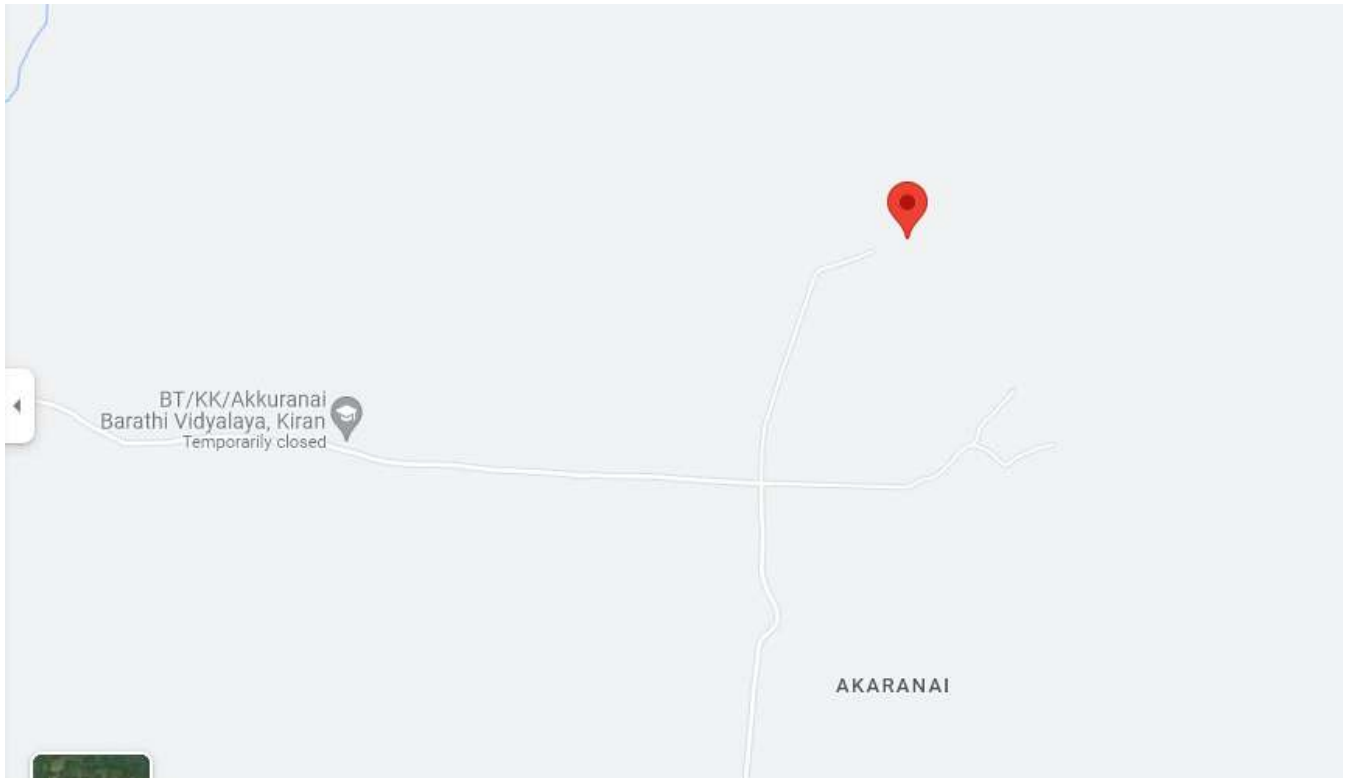
.....

[Name of the Bidder]

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Project Location Map



Only for reference

Introduction

This Bidding Document has two parts, namely, Volume 1 and Volume 2.

The bidders are expected to buy the following Standard Bidding Document from the Construction Industry Development Authority (CIDA) (former ICTAD): -

STANDARD BIDDING DOCUMENT
PROCUREMENT OF WORKS
MAJOR CONTRACTS
SECOND EDITION – JANUARY 2007 with **addendum issued in October 2009 by ICTAD**
ICTAD PUBLICATION NO. – ICTAD/SBD/02

This Bidding Document shall be read in conjunction with the above Standard Bidding Document.

The Address of CIDA is

Construction Industry Development Authority
'Savsiripaya' 123, Wijerama Mawatha,
Colombo-07

VOLUME 1

only for reference

VOLUME 1

Section	1	Instruction to Bidders
Section	3	Conditions of Contract
Section	5	Standard Forms (Contract)

Only for reference

Section - 1

Instruction to Bidders

The text of this 'Instructions to Bidders' is found in the 'Standard Bidding Document Procurement of Works Major Contracts'

ICTAD Publication No. ICTAD/SBD/02 – Second Edition – January 2007 with **Addendum issued in October 2009 by ICTAD**

This publication is copyright and bidders, if they do not already possess a copy, may obtain it from:

Construction Industry Development Authority
'Savsiripaya'
123, Wijerama Mawatha
Colombo-07

This has to be read in conjunction with Section 2 - 'Bidding Data of this Bidding Document. Wherever the Clauses of the Section 1 - 'Instruction to Bidders' have to be modified and/or supplemented, it is done through the text in the Section -2 – 'Bidding Data'.

Section - 3

Conditions of Contract

The text of this 'Conditions of Contract' is found in the 'Standard Bidding Document Procurement of Works Major Contracts' ICTAD Publication No. ICTAD/SBD/02 – Second Edition – January 2007 **with Addendum issued in October 2009 by ICTAD.**

This publication is copyright and bidders, if they do not already possess a copy, may obtain it from:
Construction Industry Development Authority
'Savsiripaya'
123, Wijerama Mawatha
Colombo-07

This has to be read in conjunction with Section 4 - 'Contract Data' of this Bidding Document. Wherever the Clauses of the Section -3 – 'Conditions of Contract' have to be modified and/or supplemented, it is done through the text in the Section 4 – 'Contract Data'.

Section - 5

Standard Forms (Contract)

- Letter of Acceptance
- Performance Guarantee
- Form of Agreement
- Advance Payment Security
- Retention Money Guarantee

FORM OF LETTER OF ACCEPTANCE

_____ [Date]

[Contractor's Name & Address]

This is to notify you that your bid dated for the construction and remedying the defects of the **'CONSTRUCTION OF SUB STRUCTURE AND ROAD MOOKIRIYAN ODAI BRIDGE ACROSS MOOKIRIYAN ODAI RIVER IN PUNNAI IN BATTICALOA'** under Contract No: **RDA/DC/EP/GOSL/2023/05** for the Contract Price of Rupees as corrected in accordance with Instruction to Bidders is hereby accepted.

You are hereby instructed to proceed with the execution of the said Works in accordance with the Contract Documents.

The Commencement Date shall be

The amount of Performance Security is.....

The Performance Security shall be submitted on or before

Authorized signature of Employer
Road Development Authority

FORM OF PERFORMANCE SECURITY

(Unconditional)

.....
[Issuing Agency's Name, and Address of Issuing Branch or Office]

Beneficiary: Director General, Road Development Authority (hereinafter called and referred to as "the Employer") 1st floor, "Maganeguma Mahamedura", 216, Denzil Kobekaduwa Mawatha, Battaramulla.

Date:

PERFORMANCE GUARANTEE No.:

We have been informed that [Name of Contractor]

(hereinafter called, "the Contractor") has entered into Contract No **RDA/DC/EP/GOSL/2023/05** dated with you, for the '**CONSTRUCTION OF SUB STRUCTURE AND ROAD MOOKIRIYAN ODAI BRIDGE ACROSS MOOKIRIYAN ODAI RIVER IN PUNNAI IN BATTICALOA**', (hereinafter called "the Contract").

Furthermore, we understand that, according to the Conditions of the Contract, a performance guarantee is required.

At the request of the Contractor, we [name of Agency] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of [amount in figures] (.....) [amount in words], upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation(s) under the Contract, without your needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than the day of2023. [28 days beyond the time for Completion] and any demand for payment under it must be received by us at this office on or before that date.

Name, Signature and the Seal of the Agency:

Name of the Organization

Designation

Date:

Witness:

Name NIC NoSignature

Name NIC NoSignature

FORM OF AGREEMENT

This Agreement made on the[day] of.[Month] 2023, between the Road Development Authority established by the Road Development Authority Act No. 73 of 1981, situated at “Maganeguma Mahamedura”, 216, Denzil Kobbekaduwa mawatha, Battaramulla, (hereinafter called and referred to as “the Employer”), of the one part, and.....[name and address of Contractor])(hereinafter called and referred to as “the Contractor”), of the other part:

Whereas the Employer desires that the Contractor execute ‘**CONSTRUCTION OF SUB STRUCTURE AND ROAD MOOKIRIYAN ODAI BRIDGE ACROSS MOOKIRIYAN ODAI RIVER IN PUNNAI IN BATTICALOA**, under Contract No: **RDA/DC/EP/GOSL/2023/05** (hereinafter called and referred to as “the Works”) and the Employer has accepted the Bid by the Contractor for the execution and completion of such Works and remedying of any defects therein.

The Employer and the Contractor agree as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract.
2. In consideration of the payments to be made by the Employer to the Contractor as indicated in this Agreement, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all respects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and remedying any defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

In Witness whereof the parties hereto have caused this Agreement to be executed on the day and year aforementioned in accordance with laws of Sri Lanka.

.....

.....

Name:

Authorized signature of Employer
Road Development Authority

Authorised Signatory of Contractor

.....

Common Seal

Board Member, RDA
On behalf of the Employer

In the presence of Witness:

Common Seal
In the presence of Witness:

.....

.....

Name

Name

NIC No.

NIC No.

Address

Address

FORM OF ADVANCE PAYMENT SECURITY

.....
[Name and address of Agency, and Address of Issuing Branch or Office]

Beneficiary: Director General , Road Development Authority (hereinafter called and referred to as “the Employer”) 1st floor, “Maganeguma Mahamedura”, 216, Denzil Kobekaduwa Mawatha, Battaramulla.

Date:

ADVANCE PAYMENT GUARANTEE No.:.....

We have been informed that [name of Contractor]
(hereinafter called, “the Contractor”) has entered into Contract No: **RDA/DC/EP/GOSL/2023/05** dated2023, with you, for the ‘**CONSTRUCTION OF SUB STRUCTURE AND ROAD MOOKIRIYAN ODAI BRIDGE ACROSS MOOKIRIYAN ODAI RIVER IN PUNNAI IN BATTICALOA**’, (hereinafter called “the Contract”).

Furthermore, we understand that, according to the Conditions of the Contract, an advance payment in the sum[amount in figures] (.....) [amount in words] is to be made against an advance payment guarantee.

At the request of the Contractor, we [name of issuing Agency] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of[amount in figures] (.....) [amount in words], upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation in repayment of the advance payment under the Contract.

The maximum amount of this guarantee shall be progressively reduced by the amount of the advance payment repaid by the Contractor.

This guarantee shall expire on[insert the date, 28 days beyond the Time for Completion]

Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

Name, Signature and the Seal of the Agency:

Designation

Name of the Organization

Date:

Witness:

Name NIC NoSignature

Name NIC NoSignature

FORM OF RETENTION MONEY GUARANTEE

(Issuing Agency's Name and Address of Issuing Branch or Office)

Beneficiary: Director General, Road Development Authority, 1st Floor, Maganeguma Mahamedura",216, Denzil Kobekaduwa Mawatha, Battaramulla.

Date: -----

RETENTION MONEY GUARANTEE No.:-----

We have been informed that -----(name of Contractor) (hereinafter called "the Contractor") had entered into Contract No: **RDA/DC/EP/GOSL/2023/05** dated2023, with you, for the execution of '**CONSTRUCTION OF SUB STRUCTURE AND ROAD MOOKIRIYAN ODAI BRIDGE ACROSS MOOKIRIYAN ODAI RIVER IN PUNNAI IN BATTICALOA**'. (hereinafter called "the Contract")

Furthermore, we understand that, according to the Conditions of Contract, when the works have been taken over and the first half of the Retention Money has been certified for payment, payment of the second half of the Retention Money may be made against a Retention Money guarantee.

At the request of the Contractor, we -----(name of agency) hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of ----- (amount in figures)-----
----- (amount in words) upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation under the Contract because the Contractor has not attended to the defects in accordance with the Contract.

The guarantee shall expire, at the latest, ----- (insert 28 days after the end of the Defects Notification Period). Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

Name, Signature and the Seal of the Agency:

Name of the Organization

Designation

Date:

Witness:

Name NIC NoSignature

Name NIC NoSignature

VOLUME - 2

VOLUME 2

- Invitation For Bids

- Section 2 Bidding Data
- Section 4 Contract Data
- Section 6 Specifications
- Section 7 Form of Bid
- Section 8 Bill of Quantities
- Section 9 Schedules
- Section 11 Standard Forms (Bid)
- Section 10 Drawings

Only for reference

GOVERNMENT OF THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF TRANSPORT AND HIGHWAYS
ROAD DEVELOPMENT AUTHORITY
INVITATION FOR BIDS

1. The Chairman, Ministry Procurement Committee, on behalf of the Road Development Authority (RDA), invites sealed bids from eligible and qualified bidders for the **project** described below:-

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2. The work consists of Construction of Sub structure and road Mookiriyam odai bridge across Mookiriyam Odai River in Punnai in Batticaloa District
3. Bidding will be conducted through the National Competitive Bidding Procedure.
4. To be eligible for contract award, the successful bidder shall be currently registered with the Construction Industry Development Authority (CIDA) in grade given in the above table in **Bridge** specialty.
5. Interested bidders may obtain further information from the following offices and inspect the bidding documents via www.rda.gov.lk from **06/11/2023**.
- a. Provincial Director (Eastern), Road Development Authority, Batticaloa.
T: 065-2222850 Fax: 065 - 2222479
- b. Director (Construction), Road Development Authority, 3rd Floor, "Maganeguma Mahamedura", 216, Denzil Kobekaduwa Mawatha, Battaramulla. T P :011-2864388 Fax: 011-2861821
6. The Pre-Bid meeting will be held at **10:00 hrs** on **16/11/2023** at the office of the **Provincial Director (EP), Road Development Authority, Batticaloa** and a site visit will be arranged thereafter if necessary.
7. A complete set of Bidding Document in English language shall be purchased by the interested bidders via email on submission of a written application and valid cash deposit slip of non – refundable tender fee (contract number and name of the contractor should be indicated on the cash deposit slip) to Director Construction, RDA via email from **06/11/2023** until **28/11/2023** during 09:00 hrs to 15:00 hrs for above contract. The email address is **construction.rda@gmail.com**
- Non-refundable tender fee of Rs. **25,000.00** (with VAT) for the bidding document can be paid by depositing cash to the following bank account.
- Account Name : Director General – RDA
Account Number : 0000001943
Bank Name : Bank of Ceylon - Corporate Branch
- Original/valid cash deposit slips should be submitted with the Bids at the submission of bids and it will be checked. The bids without the original/ valid cash deposit slip will be rejected.
As per the Public Contract Act No. 3 of 1987, only the Agents and Successful winners of tenders shall be registered in Department of Registrar of Companies.
8. Bid shall be accompanied by a Bid- Security for an amount given in the above table. Bid- Security shall be valid up to **27/03/2024**.
9. Bids shall be delivered in **duplicate** to the **Chairman, Procurement Committee, Road Development Authority, 1st Floor, "Maganeguma Mahamedura", Denzil Kobekaduwa Mawatha, Battaramulla** on or before **14:00 hrs** on **29/11/2023**. Late bids will be rejected. Bids will be opened soon after the closing, in the presence of the bidders' or their representatives who choose to attend.
10. Bid shall be valid up to **28/02/2024**.

**The Chairman,
Procurement Committee
Road Development Authority,
1st Floor, "Maganeguma Mahamedura",
Denzil Kobekaduwa Mawatha, Battaramulla.**

SECTION - 2

BIDDING DATA

This Section shall be read in conjunction with Section 1- 'Instruction to Bidders', and is intended to provide specific information in relation to corresponding clauses in Section 1. Wherever there is a discrepancy, the provisions of Section-2-.Bidding Data shall supersede those provided in the Section 1 – Instructions to Bidders.

The Clause numbers given in this Section correspond to the Clauses with the same numbers in the Section 1 – 'Instruction to Bidders'.

Whenever a Clause number appears in this Section, it means the information in the corresponding Clause in Section 1 is supplemented and/or modified according to the information in the Clause in Section 2.

If a Clause number does not appear in this Section, it means the Clause with the corresponding number in Section 1, remains unchanged.

BIDDING DATA

**Instructions
to Bidders
Clause
Reference**

1.1 Employer's Name and Address

Employer is the Road Development Authority established by the Road Development Authority Act No. 73 of 1981.

Address of the Employer is

Director General, Road Development Authority, 1st Floor, "Maganeguma Mahamedura" 216, Denzil Kobbekaduwa Mawatha, Battaramulla.

Telephone: 0112862795 Fax: 0112872272

E-mail:

Scope of Works

CONSTRUCTION OF SUB STRUCTURE AND ROAD MOOKIRIYAN ODAI BRIDGE ACROSS MOOKIRIYAN ODAI RIVER IN PUNNAI IN BATTICALOA. The work consists of forming of Abutments on piles up to rock and Road construction.

1.2 Time for Completion

The Time for Completion of the whole of the Works shall be **210 Days** from the Commencement Date.

2.1 Source of funds

From Rural Road Division of Ministry of Transport and Highways. The source of funds is Government of Sri Lanka (GOSL)

3 Add a new sub-Clause 3.3

Clause 3.3

A misrepresentation or omission of facts in order to influence the procurement process shall make the Bid non-responsive and if detected after the award the bidder could be subjected to legal prosecution.

4.1 Qualification Information

The following information shall be provided in Section – 9 – Schedules;

- CIDA registration
Registration number
- Grade
- Specialty
- Expiry date
- If not VAT registered, self declaration on VAT registration
- VAT registration number
- If a Joint Venture, the agreement
- Construction Programme with critical path and cash flow forecast.
- Legal status of the bidder (sole proprietor, Partnership, Company etc.)
- Authentication signatory (written Power of Attorney)
- Total monetary value of construction work performed for each of the last five years.
- Experience in works of a similar nature and size for each of the last five years.
- Availability of Construction equipment.
- Availability of Staff
- Work plan and methods
- Information on current work in hand

4.2(a) The bidders shall have a valid registration in Grade **C2 or C3** in **Bridge** Specialty, on the date of closing of bids.

4.2(b) Average annual volume of construction work performed during last five years shall be at least **Rs. 186.45 million**.

Annual Average Construction Turnover (AACT) is calculated as follows,

$$AACT = \frac{\sum ACT_n}{5} \quad \text{where, } n = 1\text{st} \dots\dots\dots 5\text{th year (last five years)}$$

ACT_n - Annual Construction Turnover of nth year (from the audited financial report)

4.2(c) The Bidder should have experience as prime contractor in the construction of at least one work of a nature and complexity similar to the Works, the value of which should be at least **Rs. 101.80 million** during the last ten years and at least one bridge of with pile foundation. (To comply with this requirement, works cited should be at least 70 percent complete).

4.2(d) Essential equipment

Proposals for the timely acquisition (own, lease, hire, etc.) of the following essential equipment shall be ,

<u>Machinery</u>	<u>Capacity</u>
1. Dump Truck	4-10 Ton
2. Excavator	120 Hp
3. wheel Loader	1.5 Cum or above
4. Generator Set	10-100 KVA
5 Mobile Crane	20-25 MT
6. Crawler Cranes	100-150 MT
7. Backhoe Loader	50 – 100 Hp/1.0Cum
8. Concrete mixture	400 ltr
9. Air compressors	250 CFM
10. Cargo truck with Crane	10 Ton
11. Pile boring Machine	

4.2 (e) Staff Requirements

The Contract Manager shall have following qualification & experience,

Four Years B.Sc Engineering (Civil) Degree from a University in Sri Lanka or equivalent Civil Engineering Qualification recognized by the UGC and Institution of Engineering, Sri Lanka (IESL). OR Passed Part I, II and III examinations of the Institution of Engineers, Sri Lanka (IESL) OR B.Tech Degree in Civil Engineering from the Open University of Sri Lanka. The person shall have 5 years experience in the Bridge Construction and shall have ability to lead and direct multi-disciplinary teams and experience in proper deployment and efficient management of human and other resources.

4.2(f) Liquid assets and / or credit facilities required

The minimum amount of liquid assets available shall be Rs **62.33 million**.

The minimum amount of liquid assets available is calculated as follows.

$$X = (A - L) - 0.1 W + C$$

Where,

X = Minimum amount of liquid assets available,

A = Current assets as given in the latest audited financial statements,

L = Current liabilities as given in the latest audited financial statements,

W = Outstanding contractual commitments as supported by an affidavit as per Form No. 07,

C = Project specific revolving line of credit given by a bank as per given Form

Note : Available Working Capital of bidder should be equal or greater than 50% of minimum amount of the Liquid Asset (i.e. Rs. 31.16 million). Line of Credit shall be provided only to satisfy the balance amount of the required amount of the Liquid Asset.

4.2 (h) Non - Performing Contracts

Criteria	Compliance Requirements			Documents	
	Single Entity	Joint Venture			
Requirement		All Partners Combined	Each Partner	One Partner	Submission Requirements
Non-performance* in a contract has not been occurred as a result of Contractor's default	must meet requirement by itself or as partner of JV	not applicable	must meet requirement by itself or as partner of JV	not applicable	Schedule No. 09 (a) & 09 (b)
<p>* All RDA projects (foreign & local funded) shall be considered for assessment of Non-performing Contracts (single entity contractor / any JV / any each partner of the JV, nominated sub contractor) based on the following criteria.</p> <p>1. Any bidder who submits bid to this contract shall be disqualified for the award of the contract, if Notice to Correct (NC) has been issued as per Clause 15.1 of SBD 2 Condition of Contracts on the poor performance of the Contractor or similar notice as per the relevant Conditions of Contract (COC) and is imposed before 28 days prior to date of bid opening, unless the Engineer certifies that Contractor has corrected the contents of the Notice to Correct. This certificate shall be accompanied with the bid; or</p> <p>If any Contract has been terminated due to the Contractor's default within last five years prior to 11th November 2023, he shall be disqualified for the award of contract.</p>					

4.2 (i)

Add a new sub clause 4.2 (i)
Pending Litigation and Arbitration

Criteria	Compliance Requirements			Documents	
	Single Entity	Joint Venture			
Requirement		All Partners Combined	Each Partner	One Partner	Submission Requirements
All pending litigation and arbitration, if any, shall be treated as resolved against the Bidder and so shall in total not represent more than fifty (50%) percent of the Bidder's net worth calculated as the difference between total assets and total liabilities.	must meet requirement by itself or as partner to past or existing Joint Venture	not applicable	must meet requirement by itself or as partner to past or existing Joint Venture	not applicable	Schedule No. 10

10.1 Clarification of Bidding Documents

Employer's address for clarification of bidding documents is.

Director (Construction), RDA, 3rd Floor, "Maganeguma Mahamedura", Denzil Kobbekaduwa Mawatha, Battaramulla
 Phone: 011 – 2864388
 Fax No. 011 – 2861821.

14.3 Add following to this clause

All taxes except VAT shall be incorporated to the rates.

14.4 Adjustment for change in cost

The Contract is subjected to price adjustments.

16.1 Period of Bid validity:

The Bid shall be valid up to **28/02/2024**.

17.1 Amount of Bid security:

The amount of Bid Security is Sri Lanka Rs. **2.2 Mn**.

17.2 Validity of Bid Security

The Bid Security shall be valid up to **27/03/2024**.

The form of Bid Security shall be strictly in the format given in the Bidding Document.

Any unconditional guarantee issued by a bank registered bank in the Central Bank of Sri Lanka or CGF or Insurance company except ABC Insurance Company (Pvt) Ltd is acceptable.

18. Alternative Proposals by Bidders

Delete entire Clause and substitute with the following:-
 "Bidders are not allowed to submit alternate proposals"

- 19.1 Pre – Bid meeting**
Pre-bid meeting will be held on **16/11/2023** at Provincial Director (EP), RDA, Batticaloa at **10:00** hrs. The site visit shall be arranged thereafter with RDA representative, if necessary.
- 20.4 Add new Sub Clause 20.4**
All pages of the Bidding documents shall be signed by the bidder and his seal affixed.
- 21.2 Submission of Bid**
- 21.2(a)** Address for the purpose of bid submission is ;
Chairman, RDA Procurement Committee
C/o Director General, Road Development Authority,
1st Floor, 'Maganeguma Mahamedura' ,
Denzil Kobbekaduwa Mawatha, Koswatta , Battaramulla.
- 21.2(b) Name and Identification number of Contract**
The name of the Contract is CONSTRUCTION OF MOOKIRIYAN ODAI BRIDGE ACROSS MOOKIRIYAN ODAI RIVER IN PUNNAI IN BATTICALOA
Contract Number is ***RDA/DC/EP/GOSL/2023/02***
- 22.1 Deadline for submission of Bids**
The deadline for submission of bids is **14:00 hrs on 29/11/2023.**
- 23.1** Any bid received after the deadline for submission of bid will be returned unopened to the bidder.
- 25.1 Bid Opening**
The Bids shall be opened immediately after the deadline for submission of Bids, mentioned in sub-clause 21.2 & 22.1
- 30.6** Add new sub clause 30.6
To ensure that the bids made not unrealistic, following criteria will be adopted,
- a) If the bid value is 11% to 19% less than the engineer's estimate, the performance bond will be increased by 5%.
- b) If the bid value is 20% to 29% less than the engineer's estimate, the performance bond will be increased by 10%.
- c) If the bid value is 30% or higher percentage less than the engineer's estimate, the bid will be rejected

30.7 Add new sub clause 30.7

Considering the role of the State Owned Enterprises (SOE) in these industries, when such SOE submits a bid for a contract then such SOE will be given 5% preference over all other contractors. This will be considered only when the Financial Evaluation and not in Technical Evaluation.

34.0 Authority for Signing the Agreement

Add RDA Circular RDA/DPR-AD-01/06 dated 15th June 2020 regarding empowered officers for signing the contract agreement

35.1 Amount of Performance Security

The format of the security shall be strictly in accordance with the format given in Section 5.

The amount of Performance Security is 5% of the Initial Contract Price, subject to sub clause 3.1 (v) of Public Finance Circular No. 03/2020 (i) dated 11.01.2021 issued by Ministry of Finance.

The Performance Security shall be valid until 28 Days beyond the time for completion.

Any unconditional bank guarantee issued by registered bank in the Central bank of Sri Lanka or CGF is acceptable.

SECTION - 4

CONTRACT DATA

This Section shall be read in conjunction with Section 3- 'Conditions of Contract', and is intended to provide specific information in relation to corresponding clauses in Section 3. Wherever there is a discrepancy, the provisions in Section 4 – Contract Data shall supersede those provided in the Section 3 – Conditions of Contract.

The Clause numbers given in this Section correspond to the Clauses with the same numbers in the Section 3 – 'Conditions of Contract'.

Whenever a Clause number appears in this Section, it means the information in the corresponding Clause in Section 3 is supplemented and/or modified according to the information in the Clause in Section 4.

If a Clause number does not appear in this Section, it means the Clause with the corresponding number in Section 3, remains unchanged.

CONTRACT DATA

COC Clause Number/s	
1.1.2.2	Employer's Name : Road Development Authority Employer's Address : Director General, Road Development Authority, 1 st Floor, "Maganeguna Mahamedura", 216, Denzil Kobbekaduwa Mawatha, Battaramulla
1.1.2.4	The Engineer : The Engineer will be notified later.
1.1.3.3	Time for Completion is 210 Days
1.1.3.7	Add following, The Defects Notification Period is one Year.
1.3 (b)	Employer's Address Director General, Road Development Authority, 1st Floor, "Maganeguma Mahamedura", 216, Denzil Kobbekaduwa Mawatha, Battaramulla.
2.1	Engineer's Address : will be notified later
3.1	The Start Date shall be 14 Days from the receipt of the Letter of Acceptance The Engineer shall obtain the specific approval of the Employer before taking action under the following Sub – Clauses of these Conditions. I. Clause 4.4 - Subcontractors II. Clause 5.0 - Nominated Subcontractors III. Clause 8.4 - Extension of Time for Completion IV. Clause 8.8 - Suspension of Work V. Clause 8.11 – Prolonged Suspension VI. Clause 10 - Employer's Taking Over VII. Clause 11.3 – Extension of Defects Notification Period VIII. Clause 11.8 - Performance Certificate IX. Clause 13.3 - Variation Procedure X. Clause 13.6 - Adjustments in Changes in Legislation XI. Clause 16.4 - Payment on Termination Notwithstanding any obligations set out elsewhere in this Contract to obtain approval from the Employer, if, in the opinion of the Engineer, an emergency occurs affecting the safety of life or of the Works or of adjoining property, he may, without relieving the Contractor of any of his duties or responsibilities under the Contract, instruct the Contractor to execute all such work or to do such things as may, in the opinion of the Engineer, be necessary to abate or reduce the risk. The Contractor shall forthwith comply, despite the absence of approval of the Employer, with any such instruction of the Engineer. The Engineer shall determine an addition to the Initial Contract Price, in respect of such instruction, in accordance with Clause 13 and shall notify the Contractor accordingly, with a copy to the Employer.

4.2**Performance Security**

Amount of Performance Security is 5% of the Initial Contract Price, subject to sub clause 3.1 (v) of Public Finance Circular No. 03/2020 (i) dated 11.01.2021 issued by Ministry of Finance.

The acceptable format of the Performance Security is given in this Bidding Document.

Any unconditional bank guarantee issued by registered bank in the Central bank of Sri Lanka or CGF is acceptable.

Change the Heading from 'Quality Assurance' to 'Quality Control'

Replace the text of the Sub-Clause 4.17 with the following text:

4.17**4.17(a) Identifying Defects**

The Engineer shall check the Contractor's work and notify the Contractor of any Defects that are found and shall specify a time within which the defects are to be rectified. Such checking shall not affect the Contractor's responsibilities. The Engineer may instruct the Contractor to search for a Defect and to uncover and test any work that the Engineer considers may have a Defect.

4.17(b) Tests

If the Engineer instructs the Contractor to carry out a test which is not specified in the Specification or Bills of Quantities in sufficient details to enable the Contractor to have priced or allowed for the same in the Bid and the test shows that the workmanship or Material is defective then the Contractor shall pay for the tests and samples.

If the test shows that the workmanship and Materials is in accordance with the Contract and if the Contractor suffers delay and /or incurs Cost from complying with these instructions or as a result of delay for which the Employer is responsible, the Contractor shall give notice to the Engineer and shall be entitled subject to Sub-Clause 19 (Contractor's Claims) to:

- (a) an extension of time for any such delay, if completion is or will be delayed, under Sub-Clause 8.4 (Extension of Time for Completion): and
- (b) payment of any such Cost plus reasonable profit, which shall be included in the Contract Price.

After receiving this notice, the Engineer shall proceed in accordance with Sub-Clause 3.4 (Determinations) to agree or determine these matters.

The Contractor shall promptly forward to the Engineer duly certified reports of the tests. When the specified tests have been passed, the Engineer shall endorse the Contractor's test certificate, or issue a certificate to him, to that effect. If the Engineer has not attended the tests, he shall be deemed to have accepted the readings as accurate.

4.17(c) Correction of Defects**4.17(c-1)**

The Engineer shall give notice to the Contractor of any Defects before the end of the Defects Notification Period, which begins at completion, and is defined in the Contract Data.

4.17(c-2)

Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Engineer's notice.

4.17(c-3)

On completion of the Defects Notification Period and correction of Defects in accordance with Sub-Clause 4.17(c-2) or 4.17(d), and on certification of the final payment, the Engineer shall issue the Final Payment Certificate to the Contractor

<p>8.7</p> <p>12.2(b)</p>	<p>4.17(d) Uncorrected Defects If the Contractor has not corrected a Defect within the time specified in the Engineer’s notice, the Engineer will assess the cost of having the Defect corrected, and the Contractor will pay this amount.</p> <p>Liquidated Damages The Liquidated Damages for the whole of the works shall be Rs. 75,000.00 per Day.</p> <p>The maximum amount of Liquidated Damages for the whole of the works shall be 10% (ten percent) of the Initial Contract Price.</p> <p>The method of Measurement shall be as per the Contract</p>								
<p>13.3</p>	<p><u>Variation Procedure</u></p> <p>Replaced with</p> <p><u>Variation Exceeding 25 percent</u></p> <p>If on the issue of the Taking Over Certificate for the whole of the Works it is found that there is a reduction or increase of more than 25% in the Quantity of any unit priced items in the original Bill of Quantities for which the total cost based on the rate for that item in the Bill of Quantities is more than 5% of the “ effective Contract Price”(which for the purpose of this sub- clause shall be the contract price, excluding the provisional sums and allowances for day works, if any, and the adjustment of price under sub clauses 13.6 and 13.7 at statement at completion) then,</p> <p>a. The excess quantity of particular item shall be paid as describes in following table</p> <table border="1" data-bbox="400 1265 1121 1485"> <thead> <tr> <th>Excess quantity</th> <th>Method of payment</th> </tr> </thead> <tbody> <tr> <td>up to 25%</td> <td>Original Bill of Quantity rate</td> </tr> <tr> <td>Between more than 25% and less than 50%</td> <td>90% of Original Bill of Quantity rate</td> </tr> <tr> <td>more than 50%</td> <td>83% of Original Bill of Quantity rate</td> </tr> </tbody> </table> <p>b. Quantity reduction of particular item shall be paid as described below</p> <p>If the final quantity of work done in particular item is 75% of the original Bill of Quantities or less shall be paid at the rate shown in the Bill of Quantities. In addition a payment of 17% of the difference between 75% of the estimated amount for that item and the final amount for that item shall be made to the Contractor.</p>	Excess quantity	Method of payment	up to 25%	Original Bill of Quantity rate	Between more than 25% and less than 50%	90% of Original Bill of Quantity rate	more than 50%	83% of Original Bill of Quantity rate
Excess quantity	Method of payment								
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Between more than 25% and less than 50%	90% of Original Bill of Quantity rate								
more than 50%	83% of Original Bill of Quantity rate								
<p>13.4(b)</p>	<p>Percentage for adjustment of Provisional Sums</p> <ol style="list-style-type: none"> 1. For the works executed by Utility Authorities - 10% 2. For the works directly executed by the Contractor – 20% 3. For supplying and services-10% 								

13.7	<p>Price Adjustment The contract is subjected to price adjustment</p> <table border="1" data-bbox="391 224 1093 974"> <thead> <tr> <th>Input</th> <th>Input Name</th> <th>Percentage</th> </tr> </thead> <tbody> <tr><td>M3</td><td>Cement</td><td>8.65%</td></tr> <tr><td>M7</td><td>Metal</td><td>3.13%</td></tr> <tr><td>M8</td><td>Sand</td><td>1.35%</td></tr> <tr><td>M13</td><td>Reinforcrment</td><td>16.21%</td></tr> <tr><td>M14</td><td>Industrial Steel</td><td>2.52%</td></tr> <tr><td>M21</td><td>Formwork</td><td>3.08%</td></tr> <tr><td>M30C</td><td>Bitumen</td><td>2.80%</td></tr> <tr><td>M45</td><td>Earth</td><td>4.26%</td></tr> <tr><td>M48</td><td>ABC road metal</td><td>2.09%</td></tr> <tr><td>L1</td><td>Skilled Labour</td><td>7.07%</td></tr> <tr><td>L2</td><td>Semi s/k labour</td><td>8.25%</td></tr> <tr><td>L3</td><td>Unskilled labour</td><td>6.11%</td></tr> <tr><td>P1</td><td>Small Equipment</td><td>5.56%</td></tr> <tr><td>P2</td><td>Heavy equipment</td><td>12.34%</td></tr> <tr><td>P3</td><td>Fuel</td><td>6.58%</td></tr> <tr><td></td><td></td><td>90.00%</td></tr> </tbody> </table> <p>Non-adjustable items shall be bill no. 01 (preliminaries & Generals), bill no. 03 (Day Works), and all PS & LS items.</p>		Input	Input Name	Percentage	M3	Cement	8.65%	M7	Metal	3.13%	M8	Sand	1.35%	M13	Reinforcrment	16.21%	M14	Industrial Steel	2.52%	M21	Formwork	3.08%	M30C	Bitumen	2.80%	M45	Earth	4.26%	M48	ABC road metal	2.09%	L1	Skilled Labour	7.07%	L2	Semi s/k labour	8.25%	L3	Unskilled labour	6.11%	P1	Small Equipment	5.56%	P2	Heavy equipment	12.34%	P3	Fuel	6.58%			90.00%
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14.2	<p>Advance Payment A total Advance Payment of 20% of the Initial Contract Price net of Contingencies and Provisional Sums would be made in two equal instalments on submission of an advance payment guarantee. The second instalment would be paid only after establishing that the first instalment of the advance payment has been used exclusively for mobilization of this project and submission and approval of detailed construction programme with network analysis and resource scheduling. The advance payment guarantee shall only be from a Bank registered in the Central Bank of Sri Lanka or CGF. First part of the advance payment would only be paid after signing of a formal contract agreement.</p>																																																				
14.3(c)	Percentage of retention Limit of Retention Money	10% 5% of the Initial Contract Price																																																			
14.5	Minimum amount of Interim Payment Certificates	Rs 10 Mn. (Rupees Seven Million).																																																			
15.2(h)	<p>Add following Termination by Employer If the delay is more than the period, for which the Maximum Delay Damage is allowed to be applied, the Employer may consider this situation as Contractor’s fundamental breach of the Contract, and the Employer may consider Termination of the Contract. The Delay is determined by updating the approved program with actual progress, after considering the approved program as a Baseline.</p>																																																				
18.2	Third Party Insurance	This amount of third party insurance per occurrence is Rupees 5,000,000. 00																																																			

SECTION - 6
SPECIFICATIONS

Only for reference

SPECIFICATION

Standard Specifications

The Standard Specifications comprise 'Standard Specifications for Construction and Maintenance of Roads and Bridges' issued under the authority of the Director General of the Road Development Authority and published by the Institute of Construction Training and Development.

The ICTAD Publication No. of this publication is SCA/5 Second Edition –June 2009

Bidders who are not in possession of this publication can purchase it from the CIDA.

Only for reference

PARTICULAR SPECIFICATIONS

PREAMBLE

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These Particular Specifications should be read in conjunction with the Standard Specifications for Construction and Maintenance of Roads and Bridges, ICTAD Publication No SCA/5Second Edition –June 2009, which are applicable in all cases not covered herein.

The Particular Specifications for some sections of the works are comprehensive and cover the full extent of the works in these sections. In other sections they apply in conjunction with the Standard Specifications. Finally in some sections not covered in the Particular Specifications, the Standard Specifications shall apply in full.

Where there is an ambiguity or discrepancy between the Particular Specifications and the Standard Specifications, the Particular Specifications shall prevail.

Only for reference

PRELIMINARIES & GENERAL

P001. Mobilization & Demobilization

The Contractor shall submit to the Engineer within 14 days from the date of Letter of Acceptance his mobilization and demobilization plan for equipment, plant and machinery required for the Project. Plan shall include the location of plant, machinery and equipment and mode of transport. Engineer shall approve the mobilization and demobilization plan and payment shall be based on schedule of mobilization.

Payment

Payment shall be made according to the schedule submitted by bidder and within the lump sum amount agreed in the Bill of Quantities.

Item No	Description	Pay Unit
P (001)	Allow for mobilization & demobilization	L.S.

P 002 Vehicle for the Engineer

The Contractor shall provide and maintain an air conditioned Double Cab in sound condition and registered in Sri Lanka within the last 7 years, for the use of Engineer, for the period from Commencement Date to the date of Taking over Certificate. The cumulative usage of the vehicle will not exceed 2500 km per month. Payment will be made in Vehicle month for which the vehicle is provided and maintained. The Contractor shall provide an alternative vehicle if the supplied vehicle is under repair for more than 2 days.

The Contractor shall provide driver, fuel, repair service etc & he will Pay all the taxes, comprehensively insure for any driver within the period for the above vehicle is supplied. The Contractor shall provide a driver for each vehicle supplied to the Engineer, who although in the employ of the Contractor, shall be responsible to the Engineer and shall be getting his working instructions from the user of the vehicle authorized by the Engineer. The vehicles become the property of the Contractor at the end of Contract or at such earlier dates as the Engineer may instruct.

Payment

Payment shall be made at the unit price as contained in the BOQ

Item No.	Description	Pay Unit
P(002)	Provide & maintain Vehicle for the Engineer	veh.month

1.01 LAND AVAILABLE

The land available to the Contractor free of charge shall be the land occupied by the permanent works or the existing road right of way, whichever is greater in width.

1.02 DAMAGE TO LAND AND CROPS

Where land is made available to the Contractor free of charge, the Contractor shall under no circumstances interfere with this land whether for Permanent or Temporary works until the evaluation of all compensation has taken place and permission to proceed has been received from the Engineer. Care shall be taken during the Works to ensure that no unnecessary damage is caused to the land or crops and that all reasonable precautions are taken to prevent soil erosion and mosquito breeding. On completion of the work, the land shall be left in a tidy condition as directed by the Engineer.

1.03 GRAVES, TOMBS, RELIGIOUS OR TRADITIONAL MONUMENTS

Areas which contain graves, tombs and religious or traditional monuments within the Site shall be cleared by the Contractor in accordance with the written instructions of the Engineer.

1.04 CONTRACTOR'S HOUSING, STORES AND WORKSHOP AREAS

The location and layout of housing, stores and workshop areas together with their use and detailed dimensions shall be approved by the Engineer. The Contractor shall not erect any structures on the Site without the approval of the Engineer.

On the commencement of the Contract the Contractor shall fence off all areas designated for housing, plant-yard, workshops, offices and the like. By the end of the Period of Defects Notification Period or at such earlier time as the Engineer may instruct or approve, the Contractor shall clear all structures, plant and rubble from these areas and leave them in a condition acceptable to the Engineer.

1.05 FIRST AID FACILITIES

The first aid, welfare and safety standards to be provided and observed shall be at least equal to those laid down by the Ministry of Health/Labour for Industrial sites of similar size and remoteness and approved by the Engineer.

The Contractor shall, within 24 hours of the occurrence of any accident at or about the Site or in connection with the execution of the Works, report such accident to the Engineer and to the Competent Authority where required by Law. At least one person permanently on the Site shall have been trained in first aid and the person so designated shall have been made known to the Engineer in writing and to all employees by the posting of his name and designation in a prominent position on the Site.

1.06 SECURITY SERVICES FOR ENGINEER

The Contractor shall be responsible for all matters of security concerning the vehicles and housing, offices for the Engineer. The costs in connection with this clause shall be deemed to be included in the Contractor's tendered rates.

1.07 WATER SUPPLY

The Contractor shall make his own arrangements and at his own costs for the provision from approved sources of adequate clear water for use in construction of the Works or otherwise. Quantities of water withdrawn from the approved sources shall be such that the requirements of the local population in respect of water for irrigation, drinking purposes, etc., are not interfered with. The Contractor shall have obtained permission from the appropriate Authorities in each case for the abstraction of water from any natural source, before the Engineer approves the use of such source.

1.08 SERVICES

The Contractor shall make his own arrangements for the supply of electricity for power and light and of any other services required in order to carry out the Works and he shall make his own arrangements, subject to the approval of the Engineer, for the disposal of sewage and all waste materials during the execution of the Works. All such services shall be at the Contractor's own expense.

1.09 PROTECTION OF MAINS AND SERVICES

The Contractor shall protect and support at his own costs during the construction of the Works, all pipes, mains, cables, overhead lines and other apparatus, which might be endangered by his operations.

In the event of any pipes, mains or cables being exposed at any time, the Contractor shall immediately notify the Authority or proprietor concerned and shall not cover the exposed pipe, main or cable until it has been examined and approved by the appropriate Authority or proprietor.

Before commencing any section of the Works the Contractor shall at his own expense obtain full information with regard to the position and depth of all pipes, mains and cables.

The Contractor is responsible for making arrangements with the Public Authorities and other duly constituted bodies for the phasing into his programme of works, of all the work which needs to be done by them or their contractors concurrently with the Works. If in the execution of the Works, any damage to any service or apparatus or any interruption of or delay to the provision of any service is caused, the Contractor shall bear and pay the cost reasonably incurred by the Authority or body concerned in making good such damage and shall make full compensation to the Authority or other body for any loss sustained by reason of such interruption or delay.

In the case of damage caused to water mains, pipes or fittings less than 2 inches in diameter the Contractor shall repair the damage himself at his own expense without delay. The Contractor shall be responsible for any damage caused to the permanent works or to adjacent property by water flooding due to damage caused by him to water mains, pipes or fittings.

1.10 QUARRIES AND BORROW PITS

The Contractor shall be responsible for opening up any quarry or borrow pit and shall organize his methods of operation so that only material of a type and quality approved by the Engineer shall be selected for use in the Works. The Contractor shall provide, erect, operate and maintain all plant necessary for their proper operation, together with any access roads, temporary bridges or the like necessary for the supply to the Works of the aforementioned and pay all charges incurred, including the rights for entering the land and extracting the material, or for any other compensation.

No claim shall be allowed for delays or for any other reason in this respect.

1.11 OTHER WORKS

During the course of the Contract the Employer may cause other works such as the installation or removal or resetting of services to be carried out, on through or adjacent to the Site.

The Contractor shall at all times comply with the requirements of the relevant Clauses of the Conditions of Contract in respect of these and any other Works not included in the Contract and shall allow reasonable access as approved by the Engineer on and through the Site of the Works to any other contractor or workmen who may be working on or near the Site for this reason at no extra cost.

1.12 POSSESSION OF THE SITE

Possession of the site will be in accordance with the General Conditions of Contract. Possession will be granted in accordance with the Contractor's Programme referred to in the Conditions of Contract and the Specifications and approved by the Engineer.

1.13 BOREHOLE INFORMATION

Information regarding the position and depth of boreholes and the results obtained are shown on the drawings and Contractor shall be deemed to have considered this information and checked its accuracy during the Tender Period, and to have satisfied himself of the characteristics of the materials and the suitability of the plant and the methods of working on which he has based his rates.

1.14 **WEATHER CONDITIONS**

The Contractor shall not be entitled to extra payment by reason of the occurrence or effect of high winds, excessive rainfall, temperature, humidity or any other meteorological phenomena.

1.15 **PROGRAMME**

In addition to the requirements of the Conditions of Contract the Contractor shall furnish to the Engineer within one calendar month from the commencement date a detailed programme of the order in which he proposes to carry out the Works. The programme shall include time and progress charts so that actual progress on each operation can be shown against anticipated progress. Due allowance should be made for the seasonal rains and also in accordance with the relevant clauses in this specifications.

The Contractor shall keep the progress of the Works under continuous review. When necessary the programme shall be updated at regular intervals as required by the Engineer.

1.16 **CONTRACT DOCUMENTS AND DRAWINGS**

The Contractor shall be issued Contract Documents and Drawings. When necessary the Contractor shall also be supplied with two copies of any further drawings, which may be issued in accordance with the Contract.

1.17 **PRESERVATION OF SURVEY MARKERS**

The Contractor shall locate and where possible preserve or else relocate all survey markers established for the execution of the Works. Where such survey markers will be disturbed, the Contractor shall accurately reference these to permanent concrete markers before such work is commenced.

Where it is likely that any survey marker which is the property of the Survey Department will be disturbed, the Contractor shall inform the appropriate Survey Authorities at least 14 days before the marker is endangered and ensure that the Survey Authorities take appropriate action.

1.18 **DIMENSIONS AND LEVELS**

The Contractor on the Site shall verify all Dimensions and levels shown on the Drawings or mentioned in documents forming part of or issued under the Contract and he shall immediately inform the Engineer of any apparent errors or discrepancies in such dimensions or levels.

1.19 **NIGHT WORKING**

The Contractor may be permitted to carry out work during the night and shall submit full details of the methods of working and lighting, control of traffic and any other information, which the Engineer may request. No night working shall be carried out without the Engineer's approval, and the Engineer has the right to withhold or withdraw approval if, in his opinion, such work presents undue hazard or disturbance to the public, or is in any other way unsatisfactory.

The Contractor's intentions on night working shall be made known to the Employer on the programme of Works supplied with his tender.

1.20 **AMENITY AND ACCESS**

The Contractor shall ensure that, in carrying out the Works, he causes no damage by plant, workmen, flooding, subsidence or otherwise to any property. He shall take all precautions to the satisfaction of the Engineer to ensure that such hazards are avoided and public amenity maintained, and he shall be responsible for any damage that may occur.

The Contractor shall be responsible for providing and maintaining access to and along the Site for his own purposes, including any temporary river or swamp crossings he may require.

1.21 WORKS DURING DEFECTS NOTIFICATION PERIOD

After the Commencement of the Defects Notification Period, which shall normally, the Contractor shall do nothing which might endanger the safety of the public and he shall complete any outstanding works and undertake the correction of all defects as instructed by the Engineer or any other duly authorized person or Authority. Throughout the Defects Notification Period the Contractor shall notify the Engineer of the work or operations he intends to carry out and he shall obey any instructions which the Engineer may give as to the times and manner of working so that any inconvenience to the public is kept to a minimum.

1.22 CLEARING AND TRIMMING OF SITE ON COMPLETION

On completion of the Works the Contractor shall leave the Site in a tidy condition to the satisfaction of the Engineer. Particular attention shall be paid to the final levelling, grading, making good of erosion gulleys and routings, landscaping and drainage of the Site, the borrow areas and any other places adjacent to the Site interfered with by the Contractor during the Construction or the Defects Notification Period.

1.23 SPILLAGES

The Contractor shall be responsible throughout the Contract and Defects Notification Period for any spillage of fuels, bitumen, hydraulics, oils, and other lubricants or materials caused by his activities on the Works and any such spillage shall be removed and any damage repaired to the satisfaction of the Engineer at the Contractor's expense.

1.24 APPROVAL OF SUPPLIERS OF MATERIALS AND GOODS

Before entering into any agreement for the supply of any materials or goods, the Contractor shall obtain the Engineer's approval in writing of the supplier from whom he proposes to obtain such materials or goods. Should the Engineer at any time be dissatisfied with such materials or goods or with the method or operations carried out by such sub-contractor's work or place of business, the Engineer shall be empowered to cancel his previously given approval of such sub-contractor/supplier. The Contractor shall then obtain such said materials or goods from other supplier as may be approved by the Engineer and shall bear any additional cost thereof.

1.25 COPIES OF ORDERS

The Contractor and sub-contractors shall provide the Engineer with copies of all orders, which they may place for the supply of materials or goods required in connection with the Works.

1.26 SAMPLES

In addition to any special provisions herein for the sampling and testing of materials, the Contractor shall submit to the Engineer as he may require, samples of all materials and goods, which he proposes to use or employ in or for the Works. Such samples, if approved, will be retained by the Engineer, and no materials or goods of which samples have been submitted shall be used on the Permanent Works unless and until such samples have been approved in writing by the Engineer. Notwithstanding the Engineer's approval as provided for herein the Contractor shall be solely responsible for the quality of all materials and goods supplied.

The cost of supplying all such samples and of conveying the same to such place of inspection or testing as the Engineer may designate within the country of origin and of complying with the requirements of this clause shall be deemed to be included in the rates and prices in the Contract.

1.27 TEST CERTIFICATES

Should the Engineer so require, the Contractor shall obtain Certificates of Tests from the suppliers of any Goods and shall send such Certificates to the Engineer. Such Certificates shall certify that the Goods concerned have been tested in accordance with the requirements of the Specification and shall give the results of all the tests carried out. The Contractor shall provide adequate means of identifying the Goods delivered to the Site with the corresponding Certificates.

The test certificates shall not release the Contractor of any of his obligations under the Contract in connection with the specifications of the relevant Goods when incorporated to the Permanent Works, nor of the necessity for further testing as required in the Specifications or directed by the Engineer.

1.28 WORKS TO BE IN THE DRY

Unless otherwise specified all the works are to be carried out in the dry and they shall be kept free from water coming from whatsoever source to the satisfaction of the Engineer.

1.29 PAYMENT FOR COMPLYING WITH ITEMS 1.01 TO 1.28

There will be no separate payment for complying with the Items 1.01 to 1.28 of this section, and the cost of complying with all the requirements stated herein shall be deemed to be included in the Contractor's rates in the remainder Bills of the Bills of Quantities.

1.20 AS BUILT DRAWINGS

120.1 Description

The work shall consist of preparation of As Built Drawings necessary for performance of the completion of the work covered by the Contract, the Contractor shall supply them by the dates stated in the Contract Data.

The Contractor shall retain, at his sole expense, a qualified engineer for appropriate on site construction inspections to ensure that all improvements as set forth required, pursuant to RDA standards and specification, and as-built shall be provided. The contractor shall certify, in writing, to the Engineer that the improvements were done in compliance with the approved plan or agreement pursuant to RDA Standards & Specifications and as-built shall be provided.

Field managed record drawings should be provided to the Engineer with indicating additions and deletions for approval before preparation of the final as-built Drawings.

The following requirements shall be applied to each as-built drawing developed for the project and a hard copy together with an electronic CAD drawing file in digital format on CD shall submit for the Engineer.

120.2 Construction Requirement

The following items shall be required for all "As-Built Drawings.

- (a) All as-built for projects are required to be on A1 or similar size of construction drawings and shall bear the name and address, of the person who preparing the drawings and the date the as-built data is added to the original via the revision block. Electronic Auto CAD drawing files, based on the GPS coordinate, are also required (if the construction drawings are prepared based on GPS coordinates). Surveyor's/Engineer's statement (with embossed or wet seal and with an original signature on each sheet) shall verify that as-built drawings reflect the true conditions in the field.
- (b) Contractor's statement (with an original signature on each sheet) shall verify that all construction specifications and product qualities have been met or exceeded.
- (c) "AS BUILT DRAWINGS" of "RECORD DRAWING" shall be clearly labelled on each sheet.
- (d) If the details of under-ground service lines (Water, Sewerage, ducts &etc) are available needs to be included to the as-built drawings on the approval of Engineer
- (e) The location and elevation of the benchmark referenced will be shown on the drawing. If the reference benchmark is within the project, then a complete description of its location will be provided to assist in future locating.
- (f) Survey data, relative to the GPS coordinate grid, on right-of-way monuments installed or encountered within the project
- (g) Note any changes to the alignment either vertically or horizontally of curb & gutter sidewalk, pavers or any other surface improvement.

120.3 Measurement & Payments

No payment shall pay for the preparation of As built drawings. If the Contractor does not supply the As Built Drawings by the dates stated in the contract data, or they do not receive the Engineer's approval, the Engineer shall withhold the release of Final payment of the Contract.

SECTION - 7

FORM OF BID

Only for reference

FORM OF BID

CONSTRUCTION OF SUB STRUCTURE AND ROAD MOOKIRIYAN ODAI BRIDGE ACROSS MOOKIRIYAN ODAI RIVER IN PUNNAI IN BATTICALOA

Under Contract No: RDA/DC/EP/GOSL/2023/05

To: Director General, Road Development Authority.

Gentlemen:

1. Having examined the Standard Bidding Document – Procurement of Works – Major Contracts [ICTAD/SBD/02 – Second Edition, January 2007 with **addendum issued in October 2009 by ICTAD**], Specifications, Drawings, Bills of Quantities and Addenda for the execution of the above – named Works, we, the undersigned, offer to execute and complete such Works and remedy any defect therein in conformity with the aforesaid Conditions of Contract, Specifications, Drawings, Bills of Quantities and Addenda for the sum of Sri Lankan rupees * (Rs.....) (the bid price shall include physical & Price Contingencies and provisional sums but excluding VAT) or such other sums as may be ascertained in accordance with the above documents.
2. We acknowledge that the Contract Data forms part of our Bid.
3. We undertake, if our Bid is accepted, to commence the Works as soon as is reasonably possible after the receipt of the Engineer’s notice to commence, and to complete the whole of the Works comprised in the Contract within the time stated in the Contract data.
4. We agree to abide by this Bid until the date specified in ITB Clause 16..... and it shall remain bidding upon us and may be accepted at any time before that date.
5. Unless and until a formal Agreement is prepared and executed this Bid, together with your written acceptance thereof, shall constitute a binding Contract between us.#
6. We understand that you are not bound to accept the lowest or any bid you may receive.
7. We certify / confirm that we comply with the eligibility requirements as per ITB Clause 3 of the bidding documents.

Dated thisday of 2023 in the capacity of

..... Duly authorized to sign bids for and on behalf of

Signature

Address

Witness : 1Name..... Signature

2 Name Signature

*** The amount inserted here should not include the VAT component**

For the joint venture bid, add following to item 5.0:

if this bid is a joint venture bid we undertake the responsibility to enter into a joint venture agreement among the joint venture partners. We are also well aware that in the event we fail to enter into a joint venture agreement the contract formed between us is null and void and our bid bond will be forfeited by you.

SECTION - 8

BILL OF QUANTITIES

Only for reference

BILL OF QUANTITIES

PREAMBLE

1. The Bill of Quantities shall be read in conjunction with all other sections of the bidding documents.
2. General directions and descriptions of work or materials given elsewhere in the bidding Documents are not necessarily repeated in the Bills of Quantities. For the full meaning of each Item, reference should be made to the applicable passages in the bidding documents.
3. The prices and rates entered by the contractor in the Bill of Quantities shall be deemed to cover the complete and finished works in the final position as required in the bidding documents, including, inter alia, all costs and expenses which may be required in and for the construction and maintenance of the works, together with all risks, liabilities, contingencies, insurance, sampling, testing, providing all necessary assistance to the Engineer and in general all obligations imposed or implied by the contract.
4. Without affecting the generality of the foregoing provisions the prices and rates entered by the contractor in the Bills of Quantities shall also include, inter alia, all costs and expenses involved with or arising from the following:
 - i. The provision, storage, transport, handling, use, distribution and maintenance of all materials, plant, equipment, machinery and tools, including all costs, charges, dues demurrage or other outlays involved in carriage and importation.
 - ii. The provision and maintenance of all staff and labour and their payment, accommodation, transport, fares and other requirements.
 - iii. Setting out, including the location, construction and preservation of survey markers, measurement and supervision.
 - iv. The provision, storage, transport, use, handling, distribution and maintenance of all consumable stores fuel, water and electricity including the requirements of the Engineer's Representative and his staff.
 - v. The location, test proving, opening, operation, reinstatement of all quarries and borrow pits, as well as compensation and mining royalties costs associated with quarries and borrow pits or any other land the contractor may require additional to that provided free for the execution of the permanent works.
 - vi. Sampling, the transport of samples, testing, the carrying out of trial sections of earthworks, or payment and the checking of all information given by the Engineer.
 - vii. Injury caused to the Works under Construction, Plant, Materials and consumable stores by weather.
 - viii. Repairs to the Works either prior to or during the Period of maintenance.
 - ix. Maintenance work as detailed in the Specifications and the Conditions of Contract and the maintenance of public amenities.
 - x. Co-ordination with other Contractors or Authorities carrying out work either in connection with or adjacent to the Works.
 - xi. The supply of manufactures test certificates
 - xii. The protection of mains and services, and cost of repairs in case of damage caused by the Contractor.

- xiii. Pumping and de-watering; the protection of excavation faces.
- xiv. The provision and maintenance of temporary divisions in order that through traffic flow shall remain unobstructed through the contract period and in general the provision of all temporary works required in connection with the works.
- xv. Insurance, custom duties, taxes (without VAT), levies, first aid, welfare and safety requirements and all other overheads and costs, protection of existing bridge in case of stage construction and profit.
5. A price or rate shall be entered against each Item in the Bills of Quantities whether quantities are stated or not. Item against which no price or rate is entered shall be deemed to be covered by the other prices or rates entered by the Contractor in the Bills of Quantities. The unit price or rate entered against any Item shall take precedence over any miscalculation in the total sum against that Item. Where separate items have not been provided in the Bills of Quantities for work shall be deemed to have been included in the other prices and rates.
6. The Quantities given in the Bills of quantities are estimated only and are given to provide a basis for the tender. No guarantee is given for their accuracy and payments to Contractor will be based on the prices and rates quoted in the bills applied to measured quantities for work done.
7. The items in the Bills of Quantities are the general application to the whole of the works at any location on site or any part of the works as indicated in the bid documents or instructed by the Engineer's representative.
8. Tenders which group several items together in the Bill of Quantities under one price will not be accepted.
9. Item mentioned "Provisional" in the Bill of Quantities are not to be executed unless ordered by the Engineer. They may be expended wholly or in part or not at all as directed by the Engineer.
10. The Units of measurement described in the Bills of Quantities are Metric Units. Abbreviations in the Bill of Quantities are as follows:
- | | | | | | |
|-----------------------|---|-----------------|-----------|---|-----------------|
| hrs | - | Hours | cu.deci.m | - | Cubic Decimeter |
| km | - | Kilometre | km-mth | - | KilometreMonths |
| m | - | Linear Metre | mnth | - | Month |
| m ² or sqm | - | Square Metre | ltr | - | Litre |
| m ³ or cum | - | Cubic Metre | kg | - | Kilograms |
| Nos. | - | Numbers | MT | - | Metric Tonne |
| L.S. | - | Lump Sum | Veh-wk | - | Vehicle Week |
| P.S. | - | Provisional Sum | | | |

DAY WORKS

1. The rates entered in the Schedule for Bill of Quantities shall form day works items for pricing extra work ordered to be done in accordance with the Contract.
2. The rates shall include all overheads and profit and all other costs of whatever nature necessary for and incidental to the performance of extra work whenever ordered and these rates required anywhere on the Site for the operation of plant the provision of labour or the provision of materials and shall be deemed to include inter alia:

Plant Operation, maintenance, repairs, fuel, oils grease, hydraulic fluids, taxes, duties operator's wages and overtime, travelling time, transport supervision, administration costs related to the use of such plant.

Labour Wages, overtime, bonuses, travelling time, hand tools, accommodation, fringe benefits, transport and supervision.

Materials Provision, transport, handling, wastage and storage.

In the case of Plant and labour, only time spent working shall be paid for.

For Day works required outside the Site area (which for these purposes shall mean all areas shown on the plans for permanent works and all areas of temporary works such as Contractor's and Engineer's camps, quarry, borrow pits and their access roads, diversion roads etc.), the following should be chargeable :

Plant : Actual travel time from original work site to the place of day of work (without labour charge).

Transport : Travelling time of the places of transport (lorry, low loader etc.)

Labour : Travel time for the means of transport used.

Materials : Travelling time for the means of transport used.

The rates shall apply only to such work, as the Engineer shall instruct in writing to be carried out as day works. All items should be priced.

Summary of Bill of Quantity

CONSTRUCTION OF SUB STRUCTURE AND ROAD MOOKIRIYAN ODAI BRIDGE ACROSS MOOKIRIYAN ODAI
RIVER IN PUNNAI IN BATTICALOA
CONTRACT NO RDA/DC/EP/GOSL/2023/05

<i>Bill No</i>	<i>Description</i>	<i>Amounts / Rs</i>								
<i>1</i>	Preliminary and General									
<i>2</i>	Foundation & Substructure									
<i>3</i>	Construction of Road									
<i>4</i>	Day Works									
A	Sub Total-01									
B	Provisional sums	1,600,000.00								
C	Sub Total -02 (A-B) Provisional sum deduct form Sub Total -01									
D	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"></td> <td style="text-align: center;">Amount in words</td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> </tr> <tr> <td style="text-align: center;">Discount if any</td> <td style="text-align: center;">.....</td> <td style="text-align: center;">Amount in figures</td> <td></td> </tr> </table>		Amount in words			Discount if any	Amount in figures		
	Amount in words									
Discount if any	Amount in figures								
E	Sub Total 03 (C-D)									
F	Sub Total 04 (E+B) (E+ Provisional Sums) Add Provisional sums to sub total 03									
G	Allow for physical contingencies 10% (F*10%)									
H	Allow for price contingencies 7% (F*7%)									
I	Bid Price (F+G+H) [Form of Bid price]									
J	VAT (15%*I)									
K	Bid Price with VAT (I+J)									

Amount in words: _____

Name of Authorized Officer: _____

Signature: _____

BILL NO 01						
CONSTRUCTION OF SUB STRUCTURE AND ROAD MOOKIRIYAN ODAI BRIDGE ACROSS MOOKIRIYAN ODAI RIVER IN PUNNAI IN BATTICALOA						
Item	Pay Item	Description	Quantity	Unit	Rate	Amount
PRELIMINARIES & GENERAL						
1.1	103(1)	Management, safety and control of Traffic	7.00	Month		
1.2	119(2)	Allow for cost of providing performance bond & Advance payment security	LS	Item	Allow	
1.3	119(1)	Allow for cost of providing Insurances	LS	Item	Allow	
MOBILIZATION AND DEMOBILIZATION						
1.4	P001	Mobilization of Contractor's facilities and plant/Equipment	LS	Item	Allow	
1.5	P001	De-Mobilization of contractor's facilities and plant/ Equipment	LS	Item	Allow	
PROJECT SIGN BOARDS AND PLAQUES						
1.6	118(1)	Provide and maintain Project sign board	1.00	Nos		
PROVIDE AND MAINTENANCE OF THE VEHICLE OF SITE ENGINEER						
1.7	P002	Supply and Maintain Vehicle Type D (Double Cab)-1 Nos	7.00	Month		
PRELIMINARIES & GENERAL						

BILL NO 02

**CONSTRUCTION OF SUB STRUCTURE AND ROAD MOOKIRIYAN ODAI BRIDGE ACROSS
MOOKIRIYAN ODAI RIVER IN PUNNAI IN BATTICALOA**

Item	Pay Item	Description	Quantity	Unit	Rate	Amount
		<u>A. FOUNDATION & SUBSTRUCTURE</u>				
		<u>A.1 Abutments & wingwalls</u>				
		<u>Clearing & Grubbing</u>				
A.1.1	201(1)	Clearing & Grubbing	400.00	m ²		
		<u>Removal of Structures and Obstructions</u>				
A.1.2	202(6)	Removal of Structures and obstructions where necessary and transport reusable material to a place within 10.0Km. as directed and staking the same.	P.S.	Item	Allow	25,000.00
		<u>Excavation & Backfill</u>				
A.1.3	302(1)	Excavation in unclassified soil for abutments, and wingwalls.	550.00	m ³		
A.1.4	304(2a)	Backfilling using borrow material of Type I compacted in position.	90.00	m ³		
A.1.5	304(2b)	Backfilling using borrow material of Type II compacted in position.	60.00	m ³		
A.1.6	302(10)	Construction of necessary cofferdams with using sand bag, crib sheeting, shoring and bracing and their subsequent removal.	Item	L.S.		
A.1.7	302(11)	Dewatering	Item	L.S.		
					Total C/F	

Item	Pay Item	Description	Quantity	Unit	Rate	Amount
A.1.8	1004(3)	Piling Cast insitu 1000mm dia. bored piles in Grade 40(20) concrete, drilling through the weathered rock if required, inclusive of reinforcement & 50mm dia. G.I. pipe and accessories for sonic logging tests as per drawing for foundations of abutments & wingwalls.	165.00	L.m.		
A.1.9	1004(3)	Cast insitu 1000mm dia. bored piles in Grade 40(20) concrete, socketed to the sound rock as per drawing, inclusive of reinforcement & 50mm dia. G.I. pipe and accessories for sonic logging tests as per drawing for foundations of abutments & wing walls.	183.00	L.m.		
A.1.10	1004(6a)	Cross-hole sonic logging test for pile intergrity of bored pile.	12.00	Nos.		
A.1.11	1004(6b)	Supply and pumping of grouting Gr. 40 material to the 50mm dia G.I Pipes	732	Lm		
A.1.11	1004(6c)	Load test for piles	PS	Item	Allow	1,500,000.00
A.1.12	1001(3a)	Concrete For Structures Concrete Class C grade 15 (40 mm) in abutments and wing walls.	6.00	m ³		
A.1.13	1001(2b)	Concrete Class B grade 30 (20 mm) in foundation of abutments and wing walls.	380.00	m ³		
A.1.14	1008(2)	Formwork Rough finish formwork for abutments & wing walls.	385.00	m ²		
A.1.15	1008(1a)	Smooth finish formwork for abutments & wingwalls.	280.00	m ²		
A.1.16	1002(1a)	Reinforcement High yield steel bars of Grade 460.	35.00	M.T.		
A.1.17	1002(1b)	Hot rolled mild steel bars of Grade 250.	2.00	M.T.		
A.1.18	405(1)	ABC filling 500mm thick Aggregate Base Course (ABC) filling bottom of pile cap	45.00	m3		
A.1.19	706(2)	Weep Holes Forming weep holes in abutments & wing walls with opening not less than 110 mm (type 600) finished smooth with dripledge and surround complete as per drawing.	120.00	L.m.		
					Total C/F	

Item	Pay	Description	Quantity	Unit	Rate	Amount
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	Item					
		<u>Drainage Backfill Material</u>				
A.1.20	705(1)	50-200mm. dry stone packing behind abutment & wingwalls as per drawing.	86.00	m ³		
A.1.21	705(2)	75mm. thick 40mm. stone filter layer behind dry stone packing as per drawing.	15.00	m ³		
A.1.22	705(3)	Clay puddled & laid behind abutments & wingwalls to form the impervious layer as per drawing.	25.00	m ²		
		<u>Gabions</u>				
A.1.23	805(1)	Gabions	120.00	m ³		
A.1.24	307(9)	Provide and place Geofabric	240.00	m ²		
A.1.25	409(4)	Compacted Rubble Base	48.00	m ³		
		A. FOUNDATION & SUBSTRUCTURE				

**CONSTRUCTION OF SUB STRUCTURE AND ROAD MOOKIRIYAN ODAI BRIDGE ACROSS
MOOKIRIYAN ODAI RIVER IN PUNNAI IN BATTICALOA**

Item	Pay Item	Description	Quantity	Unit	Rate	Amount
		<u>CONSTRUCTION OF ROAD</u>				
		<u>A. SITE CLEARING</u>				
		<u>Clearing & Grubbing</u>				
A.1	201(1)	Clearing & Grubbing	1,400.00	m ²		
		<u>B. EARTHWORKS</u>				
		<u>Roadway excavation</u>				
B.1	304(3)	Trimming Levelling & Compacting of Original ground.	1,400.00	m ²		
		<u>Embankment Construction</u>				
B.2	304(2a)	Embankment Construction using borrow material of type I compacted in position.	1,020.00	m ³		
B.3	304(2b)	Embankment Construction using borrow material of type II compacted in position.	680.00	m ³		
		<u>Shoulder Construction</u>				
B.4	409(1)	Shoulder construction using shoulder material and compacted in position.	26.00	m ³		
		<u>Guard Stones</u>				
B.5	808(5)	Precast Concrete guard stones supplied and fixed as per Drawing.	40.00	Nos		
		<u>C. ROAD PAVEMENT</u>				
		<u>Soil Sub Base</u>				
C.1	401(1a)	Soil sub base type I material compacted in position.	151.00	m ³		
C.2	1001(2a)	Concrete Class B grade 25 (20 mm) on road works	117.00	m ³		
		<u>Road Marking</u>				
C.3	810(1)	Road Markings in reflectorized thermoplastic paint	26.00	m ²		
		<u>Road Sign Boards</u>				
C.4	811(1)	Reflective sign boards as directed by the Engineer.	P.S	Item	Allow	75,000.00
		<u>SUMMARY OF BILL NO 03</u>				
		A. SITE CLEARING				
		B. EARTH WORK				
		C. ROAD PAVEMENT				
		TOTAL				

SCHEDULE 'B' TO BILL OF QUANTITIES DAY WORK MATERIALS ON SITE

ALL QUANTITIES ARE PROVISIONAL

The rate entered in this Schedule shall form the schedule of Materials on Site for the purpose of the Contract.

The rates shall be the cost of purchase including any customs duty demurrage or other freight charges, loading and off loading, haulage and any other expenses in connection with bringing of the material of site. The rate given must be supported by quotations and other documentary evidence.

Additional items may be written in with the prior agreement of the Engineer. The rates entered in this Schedule shall also be used for works ordered to be carried out as Day works.

All Quantities are Provisional

02. LOBOUR

No.	Grade of Staff	Qty	Unit	Unit Rate (8 hr/day)	Amount (Rs.)
1	Unskilled labour	50	Days		
2	Semi skilled labour	30	Days		
3	Skilled labour	20	Days		
4	Operator	20	Days		
	Total				

02. EQUIPMENT

The rates are exclusive of Driver , Operator or Attendant , but inclusive of Fuel & Consumable stores.

Description	Capacity	Qty	Unit	Rate	Amount
1. Backhoe loader	2 WD, 0.15 scoop capacity	20.00	hrs		
2. Farm Tractor	With 3T trailer	20.00	hrs		
3. Water Bowser	6000 ltrs	20.00	hrs		
4. Concrete Mixer	200 ltrs (10/7)	20.00	hrs		
5. Water Pump	2 inch	20.00	hrs		
6. Porker Vibrator	1.8 M/hour	20.00	hrs		
7. Truck with Tipper	3 Ton	100.00	km		
8. Plate Compactor	90 kg Tamper Plates	20.00	hrs		
Total					

03 MATERIALS

Material	Qty	Unit	Rate	Amount
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1. Cement Ordinary	30.00	50 kg		
2. Aggregate for concrete (19 mm)	10.00	cu.m.		
3. Sand	10.00	cu.m.		
4. Rubble	10.00	cu.m.		
Total				

<u>SUMMARY OF DAY WORKS</u>	
01. Labour	
02. Equipment	
03. Material	
TOTAL	

Only for reference

SECTION 9

SCHEDULES

Only for reference

Schedule 1- General Information

For Joint Venture partners, each partner shall furnish information separately

ITB Clause Reference	Description	Information To be filled by Bidder	Remarks	
3.1	CIDA Registration		Provide certified copies and label as attachment to Clause 3.1	
	Registration Number			
	Grade			
	Specialty			
	Expiry Date			
4.1(a)	Legal Status		Provide certified copies of registration	
	Written power of attorney to the signatory to the bid (bids signed by other than the authorized person, shall be rejected)	Provide original or certified copy of the power of attorney attested by a Notary and label as attachment to Clause 4.1(a)		
	If a Joint Venture, names and addresses of Joint Venture partners	1.....	Provide draft copy of Joint Venture agreement	
		2.....		
		3.....		
	If a Joint Venture, name of the Lead Partner			
For Joint Ventures, each JV partner shall furnish legal status separately				
	Name (lead partner)		Provide certified copies and label as attachment to Clause 4.1(a)	
	Legal status			
	Place of registration			
	Principal place of business			
	Written power of attorney of the signatory to the Bid	Provide original or certified copy of the power of attorney attested by a Notary and label as attachment to Clause 5.1		
	VAT Registration No.			
	Name (Partner 2)		Provide certified copies and label as attachment to Clause 4.1(a)	
		Legal status		
		Place of registration		
		Principal place of business		
	Written power of attorney of the signatory to the Bid	Provide original or certified copy of the power of attorney attested by a Notary and label as attachment to Clause 5.1		
	VAT Registration No.			

	Name (Partner 3)		Provide certified copies and label as attachment to Clause 4.1(a)
	Legal status		
	Place of registration		
	Principal place of business		
	Written power of attorney of the signatory to the Bid	Provide original or certified copy of the power of attorney attested by a Notary and label as attachment to Clause 5.1	
	VAT Registration No.		

Schedule 2 – Annual Turnover Information

For Joint Ventures each partner shall submit the information separately

Year	Turnover	Remarks
1		Attach audited reports and label as attachment to Clause 4.2
2		
3		
4		
5		

Schedule 3 – Adequacy of Working Capital

Source of Credit Line	Amount	Remarks
		Provide documentary evidence and label as attachment to Clause 4.2
Total		

Schedule 4 - Financial Data (As per Latest Audited Financial Statement)		2022/2023 or latest
1	Current Assets	
2	Current Liabilities	
3	Working Capital (1-2)	
4	Works in hand	
5	Line of credit**	
6	Available Liquid Asset {3-(0.1)x4+5}*	

* This amount shall be not less than the amount given in clause 4.2 of ITB.

** Line of credit if provided shall strictly be as per Form No. 07 provided.

*** *Bidder available working capital should be equal to the 50% of minimum amount of liquid assets.(i.e Rs 31.16 Mn) Line of credit shall be provided only to satisfy balance amount of liquid assets*

Schedule 5 – Construction Experience in last five years				
For JVs each JV partner shall furnish information separately				
Year	Employer	Description of Works	Amount	Contractors Responsibility (%)

Schedule 6 – Major Items of Construction Equipment Proposed		
Type	Capacity	Own, Lease or hire

Schedule 7 – Construction Management Staff

A: Key Professional

Name	Position	Task

B: Support Staff

Name	Position	Task

Only for reference

Schedule 8 – Time Schedule for Key Staff

Name	Position	Activities	Months(in the form of a Bar Chart)												Number of Months										
			1	2	3	4	5	6	7	8	9	10	11	12											

Full Time:- _____ Part Time:.....

Schedule No. 09 (a)

Non-Performance Contracts – Notice to Correct Issued

[The following table shall be filled in for the bidder and for each partner of a Joint Venture]

Date: _____
 Contract No.: _____
 Bidder's _____ Legal Name: _____
 Page _____ of _____

1. History of Non Performing Contracts – Notice to Correct Issued

Non-Performing Contracts			
<p>Choose one of the following</p> <p><input type="checkbox"/> Notice to Correct on the poor performance or similar notice as per the relevant COC, which is enforced prior to 01st November 2023 had not been issued as specified in Section II, Bidding Data, sub clause 4.2 (h)</p> <p><input type="checkbox"/> Notice to Correct on the poor performance or similar notice as per the relevant COC, which is enforced prior to 01st November 2023 has been issued as specified in Section II, Bidding Data, sub clause 4.2 (h)</p>			
Year	Non Performed Portion of Contract (Rs)	Contract Identification	Total Contract Amount (LKR)
<i>[insert year]</i>	<i>[insert amount and percentage]</i>	Contract Identification: <i>[indicate complete contract name, number, and any other identification]</i> Name of Employer: <i>[insert full name]</i> Address of Employer: <i>[insert street/city/country]</i> Reason(s) for Notice to Correct: <i>[indicate main reason(s), attach copy of Notice to Correct]</i> Whether Remedies taken: (Yes/No) (If yes, attach Engineer's certificate) Current Status of Contract: <i>(indicate completed/ongoing/ referred to dispute resolution mechanism etc)</i>	<i>[insert amount]</i>

.....
Signature of the Bidder

The foregoing non performing contracts listed in schedule no. 09 (a) having been duly read over and explained by me to the Affirmant and he having understood the contents of same, signed before me at
 [Place], on this 2023 [date]

.....
Attorney at Law

Note – if does not provide all non performing contracts shall be treated as non - responsive according to the clause 3.3 of ITB

Schedule No. 09 (b)
Non-Performance Contracts – Terminated

[The following table shall be filled in for the bidder and for each partner of a Joint Venture]

Date: _____
 Contract No.: _____
 Bidder's Legal Name: _____
 Bidder's Party Legal Name: _____

1. History of Non Performing Contracts – Terminated Contracts

Non-Performing Contracts			
Choose one of the following			
<input type="checkbox"/> Termination of contracts due to the Contractor's default did not occur within last five (5) years prior to 01st November 2023 specified in Section II, Bidding Data, sub clause 4.2 (h)			
<input type="checkbox"/> Termination of Contracts due to the Contractor's default occurred within last five (5) years prior to 01st November 2023 specified in Section II, Bidding Data, sub clause 4.2 (h)			
Year	Non Performed Portion of Contract (Rs)	Contract Identification	Total Contract Amount (LKR)
[insert year]	[insert amount and percentage]	Contract Identification: [indicate complete contract name, number, and any other identification] Name of Employer: [insert full name] Address of Employer: [insert street/city/country] Reason(s) for non-performance/termination: [indicate main reason(s), attach relevant details] Current Status of Contract: (indicate completed/ongoing/ referred to dispute resolution)	[insert amount]

.....
Signature of the Bidder

The foregoing non performing contracts listed in schedule no. 09 (b) having been duly read over and explained by me to the Affirmant and he having understood the contents of same, signed before me at
 [Place], on this 2023 [date]

.....
Attorney at Law

Note – if does not provide all non performing contracts shall be treated as non - responsive according to the clause 3.3 of ITB

**Schedule No. 10
Pending Litigation and Arbitration**

Each Bidder must fill out this form if so required under Criterion 4.2 (i) of Section 2, Bidding Data to describe any pending litigation or arbitration formally commenced against it.

In case of a Joint Venture, each Joint Venture Partner must fill out this form separately and provide the Joint Venture Partner's name below:

Joint Venture Partner: _____

Pending Litigation and Arbitration				
<p>Choose one of the following</p> <p><input type="checkbox"/> No Pending Litigation and Arbitration in accordance with section II, Bidding Data, sub clause 4.2 (i)</p> <p><input type="checkbox"/> Below is a description of all pending litigation and arbitration in accordance with section II, Bidding Data, sub clause 4.2 (i)</p>				
Year of Dispute	Amount of Dispute	Outcome as percentage of Net worth	Contract Identification	Total Contract Amount
			<p>Contract Identification (<i>insert contract name, number and any other identification</i>)</p> <p>Name of Employer (<i>insert full name</i>)</p> <p>Address of Employer (<i>insert street, city, town</i>)</p> <p>Matter in dispute (<i>indicate main issues in dispute</i>)</p> <p>Status of dispute (<i>indicate if it is being treated by the adjudicator, under arbitration or being dealt with by the judiciary</i>)</p>	

.....
Signature of the Bidder

The foregoing details in the schedule no. 10 having been duly read over and explained by me to the Affirmant and he having understood the contents of same, signed before me at [Place], on this 2023 [date]

.....
Attorney at Law

Note – if does not provide all pending litigation arbitration shall be treated as non responsive according to the clause 3.3 of ITB

Schedule 11 – work Programme

(1st, 2nd etc. are months from the Start Date)

Construction Activity

1st

2nd

3rd

4th

5th

6th

7th

8th

9th

10th

11th

12th

SECTION – 11

STANDARD FORMS (BID)

FORM NO. 06: Form of Bid Security

FORM NO. 07: Form for the Affidavit for the Current Contractual Commitments

FORM NO. 08: For Letter from the Bank for Granting of A Revolving Line of Credit

Only for reference

FORM OF BID SECURITY

[this Guarantee form shall be filled in accordance with the instructions indicated in brackets]

.....[insert issuing agency's name, and address of issuing branch or office]

Beneficiary: Director General, Road Development Authority, "MagaNeguma Mahamedura" 216, Denzil Kobbekaduwa mawatha, Battaramulla, Sri Lanka.

Date:[insert (by issuing agency) date]

BID GUARANTEE No.:[insert (by issuing agency) number]

We have been informed thatinsert (by issuing agency) name of the Bidder] (hereinafter called "the Bidder") has submitted to you its bid dated [insert (by issuing agency) date] (hereinafter called "the Bid") for the execution of '**CONSTRUCTION OF SUB STRUCTURE AND ROAD MOOKIRIYAN ODAI BRIDGE ACROSS MOOKIRIYAN ODAI RIVER IN PUNNAI IN BATTICALOA**' under Contract No: **RDA/DC/EP/GOSL/2023/05**

Furthermore, we understand that, according to your conditions, Bids must be supported by a Bid Guarantee.

At the request of the Bidder, we[insert name of issuing agency] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of[insert amount in figures][insert amount in words] upon receipt by us of your first demand in writing accompanied by a written statement stating that Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder:

- i. has withdrawn its Bid during the period of bid validity specified; or
- ii. does not accept the correction of errors in accordance with the Instruction to Bidders (hereinafter "the ITB") of the IFB or
- iii. having been notified of the acceptance of its Bid by the Employer during the period of bid validity,
 - (i) fails or refuses to execute the Contract Form, if required, or
 - (ii) fails or refuses to furnish the Performance Security, in accordance with the ITB.

This Guarantee shall expire:

- (a) if the Bidder is the successful bidder, upon our receipt of copies of the Contract signed by the Bidder and of the Performance Security issued to you by the Bidder; or
- (b) if the Bidder is not successful bidder, upon the earlier of the successful bidder furnishing the performance security, otherwise it will remain in force up to(insert date)

Consequently, any demand for payment under this Guarantee must be received by us at the office on or before that date.

Signature and the Seal of the Guarantor:

Name of the Organization

Date:

Witness:

Note: Any bid security which has deviated from this bid Security format shall be considered as non responsive

FORM FOR THE AFFIDAVIT FOR THE CURRENT CONTRACTUAL COMMITMENTS

Road Development Authority

In accordance with the Clause 4.2 of the Instructions to Bidders, I (We) declare that the outstanding Contract Commitments of (Name of the Bidder (s)) is as follows. I (We) further declare that all the outstanding contract commitments are listed below.

Specialty	Name of the Contract	Name of the Client	Initial Contract Amount (Rs.)	Outstanding Work (Rs.)
Highways*				
Bridges*				
Buildings*				
Irrigation*				
#				
Total				

.....

Signature of the Bidder

The foregoing Affidavit having been duly read over and explained by me to the Affirmant and he having understood the contents of same, signed before me at [Place], on this 2021 [date]

.....

Justice of The Peace

* Add additional rows to include all the current projects if needed

Add additional speciality to include all the current projects

Note – if does not provide all contract commitment shall be treated as non responsive according to the clause 3.3 of ITB

**FOR LETTER FROM THE BANK FOR GRANTING OF A REVOLVING LINE
OF CREDIT**

FROM:

.....

.....

.....

TO : **Director General,**
Road Development Authority (RDA)
“MagaNeguma Mahamedura ”
216, Denzil Kobbekaduwa mawatha,
Battaramulla
Sri Lanka

SUB : Letter from the Bank for providing a line of credit in favour
of **(1)** in case of award to them of works for the Contract of
execute **CONSTRUCTION OF SUB STRUCTURE AND ROAD MOOKIRIYAN ODAI
BRIDGE ACROSS MOOKIRIYAN ODAI RIVER IN PUNNAI IN BATTICALOA**, under
Contract No: **RDA/DC/EP/GOSL/2023/05**

Dear Sir,

We (2)bankers of (3)hereby agree to grant revolving line of credit
for an amount of Sri Lanka Rupees for the purpose of the execution of the Civil Work
Contracts under the Contract of execute **CONSTRUCTION OF SUB STRUCTURE AND ROAD
MOOKIRIYAN ODAI BRIDGE ACROSS MOOKIRIYAN ODAI RIVER IN PUNNAI IN BATTICALOA** Contract
No: **RDA/DC/EP/GOSL/2023/05**. This revolving line of credit will be maintained until the works are
taken over by the RDA.

Signature and the Seal of the Guarantor:

Name of the Organization

Date:

Witness:

Notes

(1) Name of Beneficiary / Bidder

(2) Name of Bank

(3) Name of Beneficiary / Bidder

(4) **No conditional line of credit will be accepted and any letter of line of credit, which has deviated from the
specimen format, shall be treated as non – responsive.**

SECTION – 10

DRAWINGS

Only for reference



**GOVERNMENT OF DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF TRANSPORT & HIGHWAYS**



ROAD DEVELOPMENT AUTHORITY

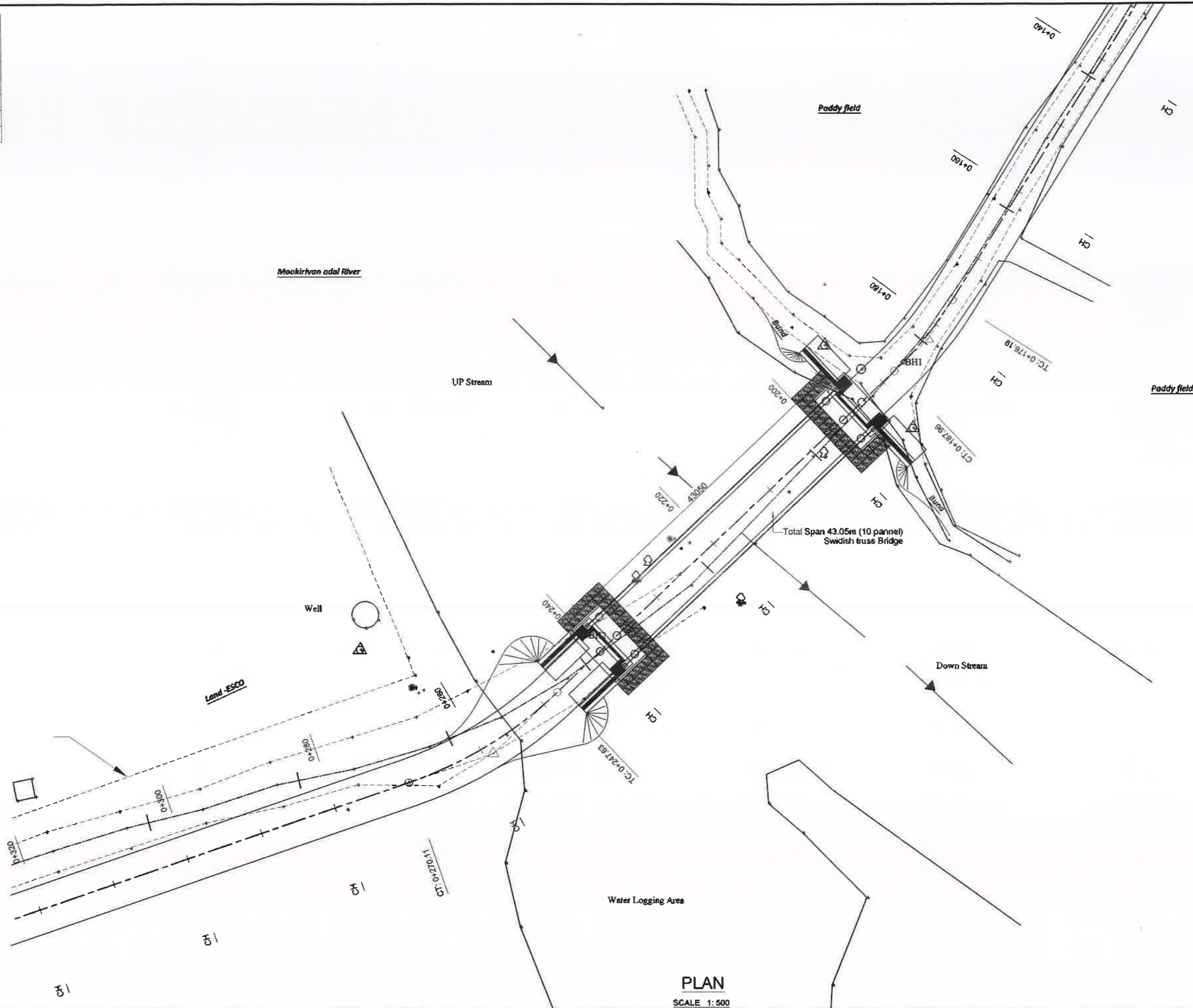
**CONSTRUCTION OF MOOKIRIYAN ODAI BRIDGE ACROSS
MOOKIRIYAN ODAI RIVER IN PUNNAI IN BATTICALOA.**

DETAILED DESIGN DRAWINGS

JULY 2023

**Design Office (Central Province)
Road Development Authority
S.W.R.D. Bandaranayake mawatha
kandy.**

LEGEND	
	CENTER LINE
	EDGE OF CARRIAGEWAY
	EDGE OF SHOULDER
	FINISHED GROUND LINE
	EXISTING GROUND LINE
	FLOW DIRECTION
	CONTROL POINTS



PLAN
SCALE 1: 500

TENDER DRAWING

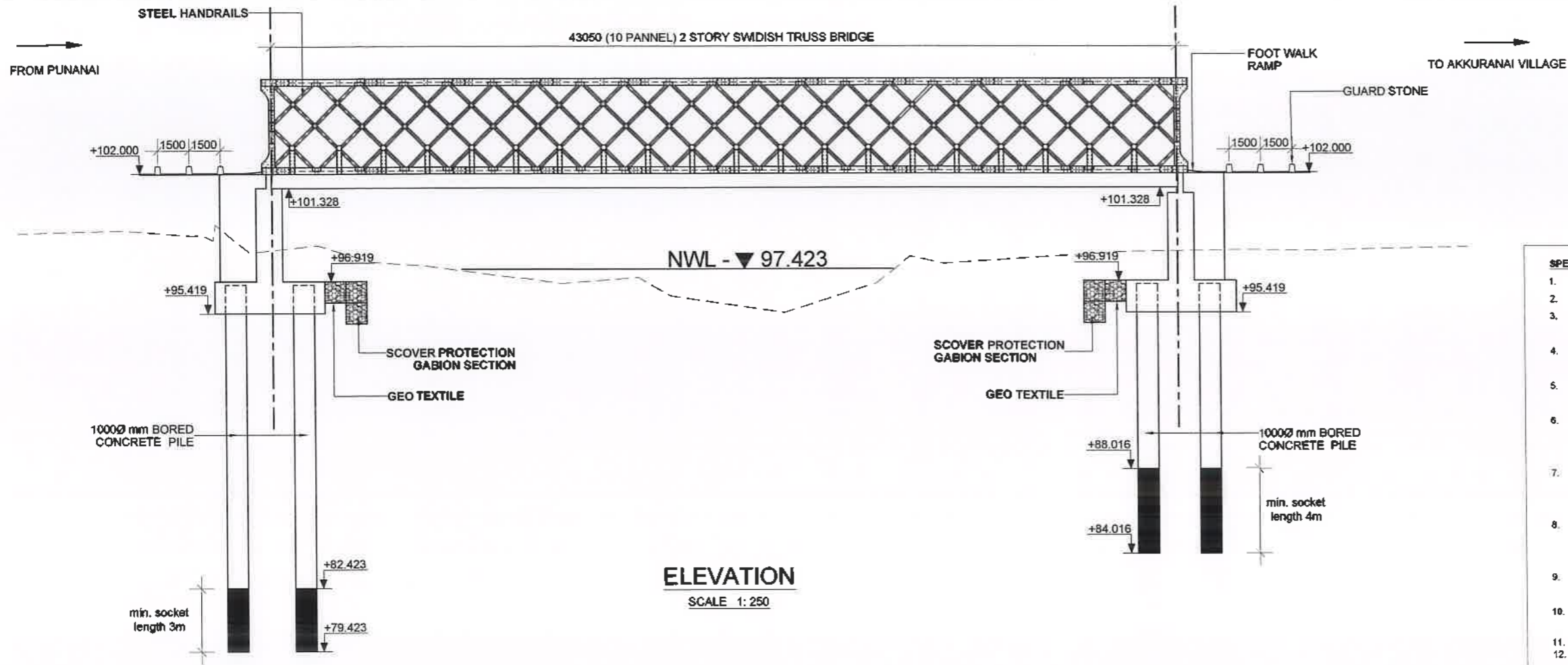
DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF TRANSPORT & HIGHWAYS
 DESIGN OFFICE (C.P.),
 ROAD DEVELOPMENT AUTHORITY
 S.W.R.D. BANDARANAYAKE MAWATHA, KANDY.
 TEL : 0812386891 FAX : 0812386891 email : docpkandy@gmail.com

REV.	DESCRIPTION	BY.	DATE

GENERAL NOTE :-
 1. ALL DIMENSION ARE IN METERS UNLESS OTHERWISE SPECIFIED
 2. COORDINATES ARE IN ARBITRARY TO SITE
 3. ELEVATIONS ARE IN RESPECT TO GIVEN TBM VALUES
 4. SEE SPECIAL NOTES.

CONSTRUCTION OF MOOKIRIYAN ODAI BRIDGE ACROSS MOOKIRIYAN ODAI RIVER IN PUNNAI IN BATTICALOA.

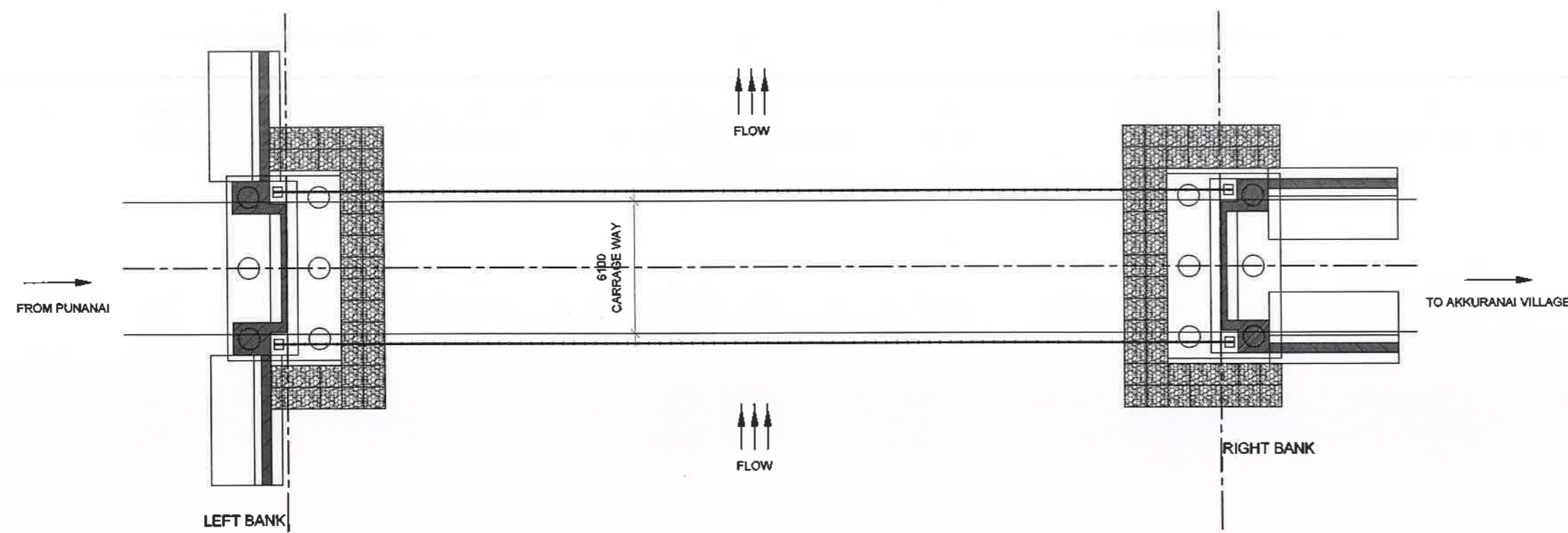
LAYOUT PLAN			
SURVEYED & PLOTTED :	DESIGNED :	DRAWN :	DRG.No. : DD/D/CP/BATTI/STR/1286
	L. G. A. LIYANAGE	H.A.D. PADMIKA	SCALE :
CHECKED :	C.E.(DESIGN)	D.D.(DESIGN)	DATE : 07-07-2023
	K.A.S.B.KUMARAARACHCHI		SHEET No. : 01



ELEVATION
SCALE 1: 250

- SPECIAL NOTE:**
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
 2. DIMENSIONS SHALL NOT BE OBTAIN BY SCALEING.
 3. ALL WORKMANSHIP AND MATERIALS ARE TO BE ACCORDANCE WITH THE REQUIREMENT OF THE SPECIFICATION AND BY LAWS OF THE AUTHORITY.
 4. WEEP HOLES TO BE PROVIDED AT 1.5M C/C STAGGERED USING 110 MM DIA. TYPE 600 PVC PIPES.
 5. ADDITIONAL WEEP HOLES ARE TO BE PROVIDED IF NECESSARY TO SUIT SITE CONDITION.
 6. A CLAY PUDDLE OF 600 X 1200 / 300X600 TO BE PROVIDED THROUGH OUT THE LENGTH OF THE ABUTMENTS AND WING WALLS TO DIVERT THE WATER COLLECTING BEHIND.
 7. ALL BAR MARKED 'T' SHALL BE HIGH YIELD DEFORMED BARS OF YIELD STRENGTH NOT LESS THAN 460 N/MM² AND ALL MARKED 'R' SHALL BE HOT ROLLED MILD STEEL PLAIN BARS OF YIELD STRENGTH NOT LESS THAN 250 N/MM².
 8. BARS OF CUT LENGTH LARGER THAN THE SUPPLIED LENGTH TO BE LAPPED WITH LENGTH OF 50 Ø, WHERE Ø IS THE DIAMETER AND LAPPING SHOULD BE STAGGERED.
 9. CLEAR CONCRETE COVER FOR REINFORCEMENT SHOULD BE 50 MM UNLESS OTHERWISE SPECIFIED.
 10. REINFORCEMENT BARS SHALL BE BENT ACCORDANCE WITH STANDARD SPECIFICATIONS.
 11. SCREED CONCRETE IS USED ONLY IN ABSENT OF ROCK SURFACE.
 12. DESIGN BEARING CAPACITY FOR RETAINING WALL FOUNDATION 150kN/m²

- GRADES OF CONCRETE ABUTMENTS**
- | | |
|-----------|---------------|
| 1. SCREED | -GRADE 15(40) |
| 2. BASE | -GRADE 30(20) |
| 3. STEM | -GRADE 30(20) |
- RETAINING WALL**
- | | |
|-----------|---------------|
| 1. SCREED | -GRADE 15(40) |
| 2. BASE | -GRADE 30(20) |
| 3. STEM | -GRADE 30(20) |



PLAN
SCALE 1: 250

TENDER DRAWING

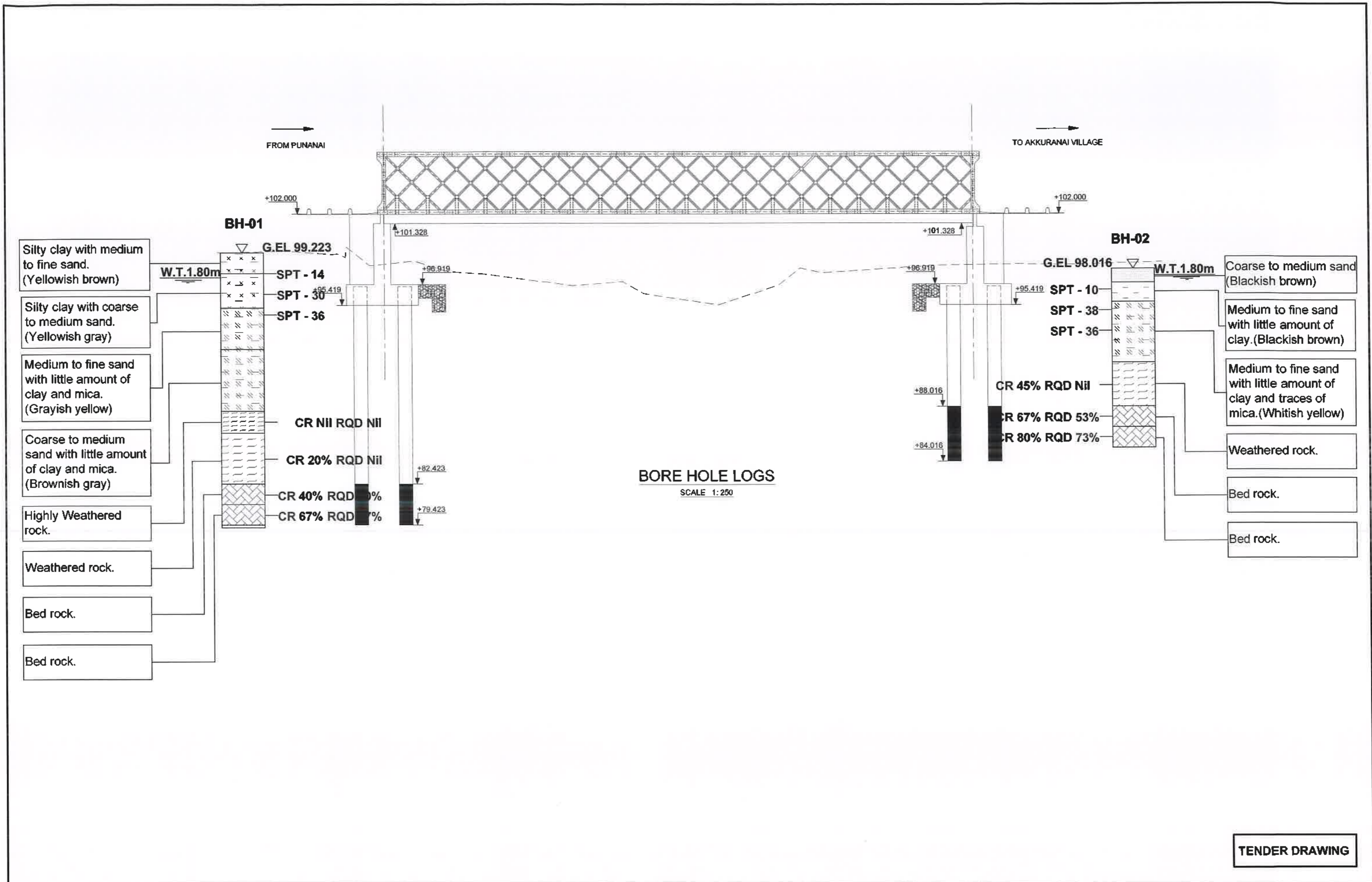
REV.	DESCRIPTION	BY.	DATE

GENERAL NOTE :-

1. ALL DIMENSION ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED
2. COORDINATES ARE IN ACCORDING TO SRI LANKA NATIONAL GRID.
3. ELEVATIONS ARE IN ACCORDING TO MSL.
4. SEE SPECIAL NOTES.

CONSTRUCTION OF MOOKIRIYAN ODAI BRIDGE ACROSS MOOKIRIYAN ODAI RIVER IN PUNNAI IN BATTICALOA.

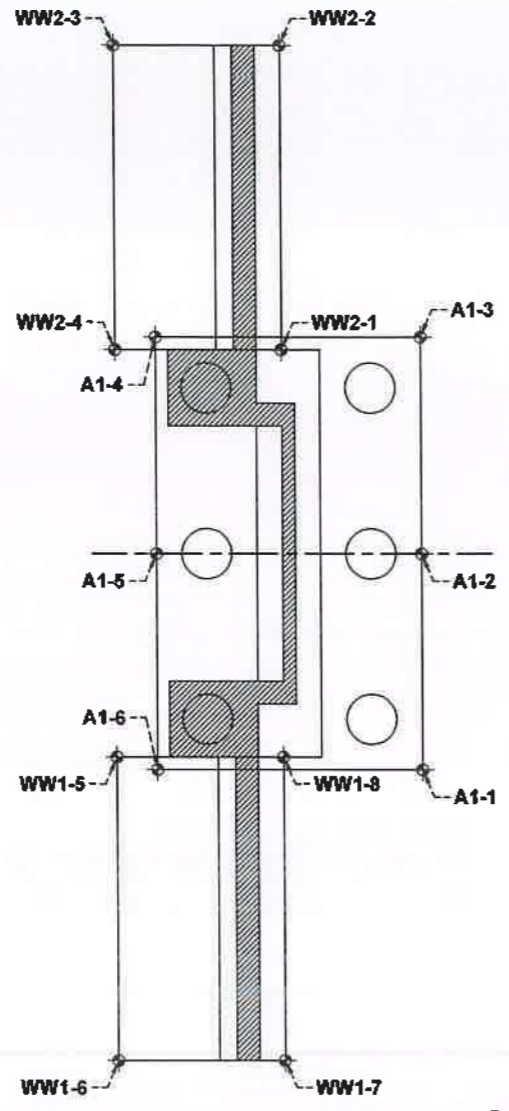
PLAN AND ELEVATION			
SURVEYED & PLOTTED :	DESIGNED :	DRAWN :	DRG.No. : DD/D/CP/BATTI/STR/1286
CHECKED :	L. G. A. LIYANAGE	H.A.D. PADMIKA	SCALE :
	C.E.(DESIGN) K.A.S.B.KUMARARACHCHI	D.D.(DESIGN)	DATE : 07-07-2023
			SHEET No. : 03



BORE HOLE LOGS
SCALE 1:250

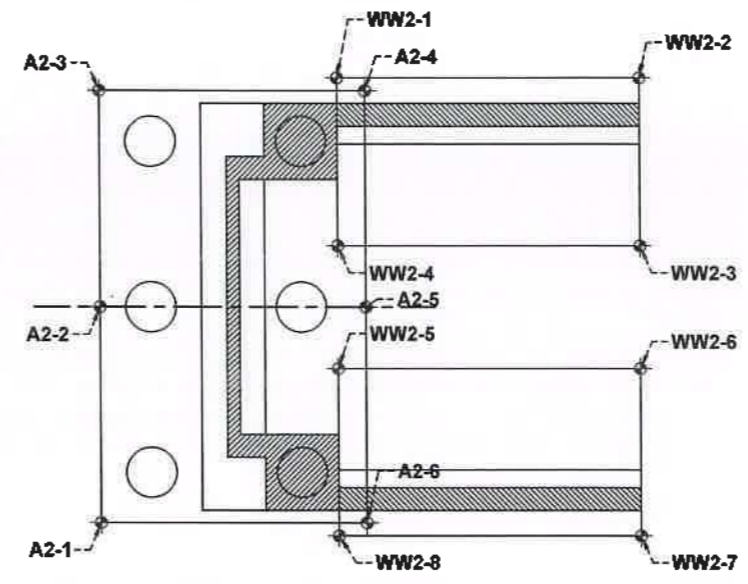
TENDER DRAWING

<p>DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF TRANSPORT & HIGHWAYS</p> <p>DESIGN OFFICE (C.P.), ROAD DEVELOPMENT AUTHORITY S.W.R.D.BANDARANAYAKE MAWATHA, KANDY. TEL : 0812388991 FAX : 0812388991 email : docplandy@gmail.com</p>	REV.	DESCRIPTION	BY.	DATE	<p>GENERAL NOTE :-</p> <p>1. ALL DIMENSION ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED</p> <p>2. COORDINATES ARE IN ACCORDING TO SRI LANKA NATIONAL GRID.</p> <p>3. ELEVATIONS ARE IN ACCORDING TO MSL.</p> <p>4. SEE SPECIAL NOTES.</p>	<p>CONSTRUCTION OF MOOKIRIYAN ODAI BRIDGE ACROSS MOOKIRIYAN ODAI RIVER IN PUNNAI IN BATTICALOA.</p>			<p>BORE HOLE LOGS</p>		
									<p>SURVEYED & PLOTTED :</p>	<p>DESIGNED : L. G. A. LIYANAGE</p>	<p>DRAWN : H.A.D. PADMIKA</p>
						<p>CHECKED :</p>	<p>C.E.(DESIGN) K.A.S.B.KUMARAARACHCHI</p>	<p>D.D.(DESIGN) [Signature]</p>	<p>SCALE :</p>	<p>DATE : 07-07-2023</p>	<p>SHEET No. : 04</p>



PUNANAI END

POINT	EAST (X)	NORTH(Y)
A1-1	447070.1995	503054.1806
A1-2	447070.1995	503054.1806
A1-3	447070.1995	503054.1806
A1-4	447070.1995	503054.1806
A1-5	447070.1995	503054.1806
A1-6	447070.1995	503054.1806
WW1-1	447070.1995	503054.1806
WW1-2	447070.1995	503054.1806
WW1-3	447070.1995	503054.1806
WW1-4	447070.1995	503054.1806
WW1-5	447070.1995	503054.1806
WW1-6	447070.1995	503054.1806
WW1-7	447070.1995	503054.1806
WW1-8	447070.1995	503054.1806



AKKURANAI VILLAGE END

POINT	EAST (X)	NORTH(Y)
A2-1	447070.1995	503054.1806
A2-2	447070.1995	503054.1806
A2-3	447070.1995	503054.1806
A2-4	447070.1995	503054.1806
A2-5	447070.1995	503054.1806
A2-6	447070.1995	503054.1806
WW2-1	447070.1995	503054.1806
WW2-2	447070.1995	503054.1806
WW2-3	447070.1995	503054.1806
WW2-4	447070.1995	503054.1806
WW2-5	447070.1995	503054.1806
WW2-6	447070.1995	503054.1806
WW2-7	447070.1995	503054.1806
WW2-8	447070.1995	503054.1806

SETTING OUT DETAILS
SCALE - 1 : 150

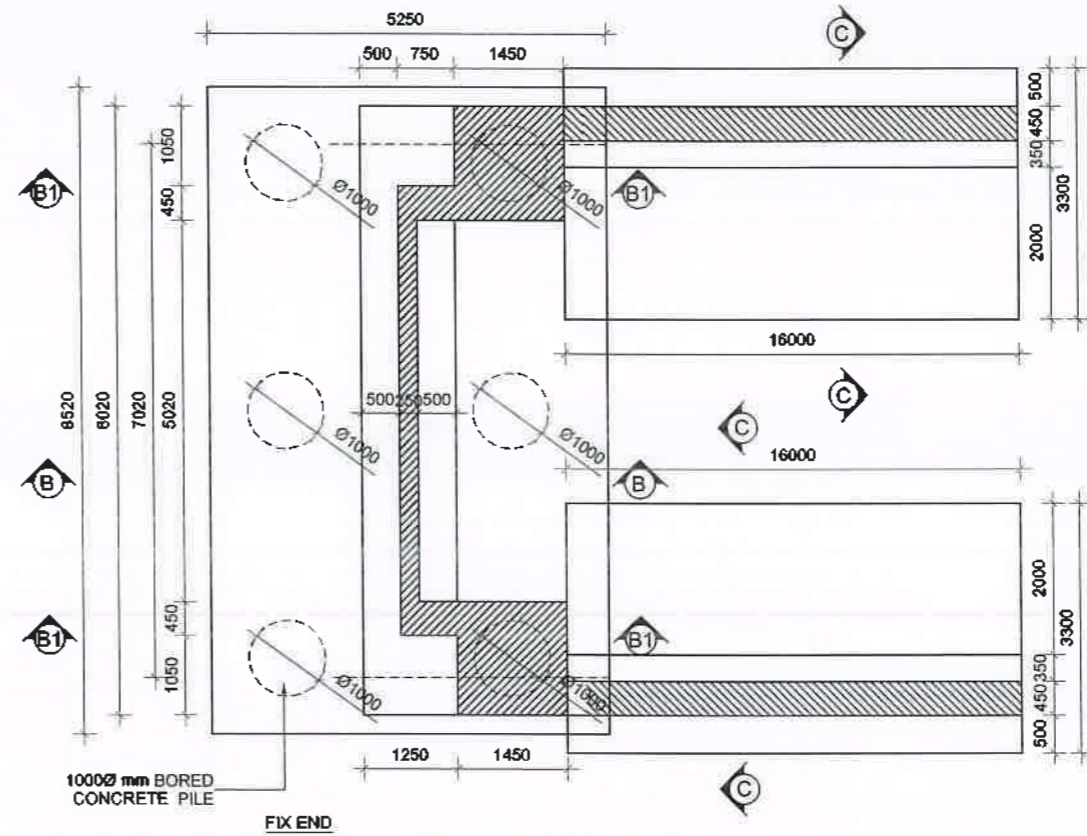
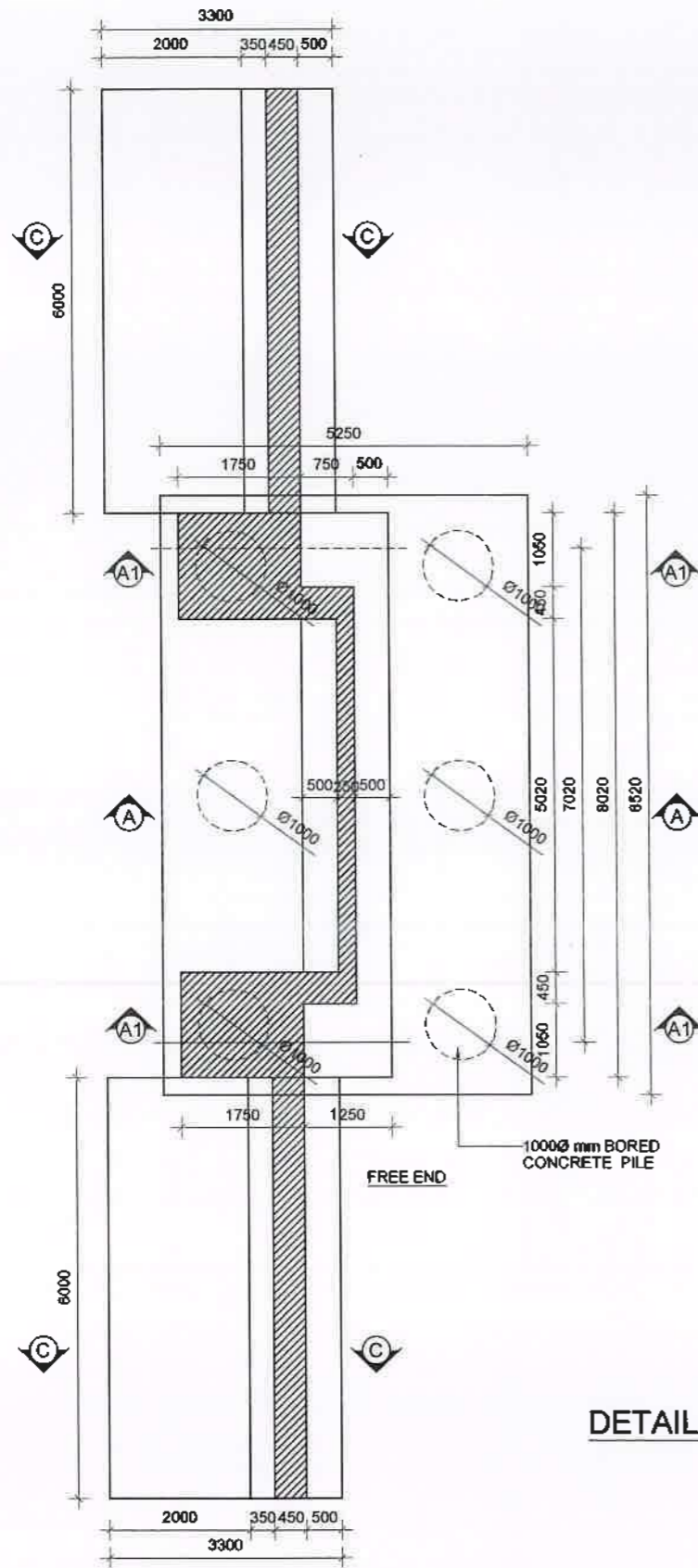
TENDER DRAWING

REV.	DESCRIPTION	BY.	DATE

GENERAL NOTE :-
1. ALL DIMENSION ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED
2. COORDINATES ARE IN ACCORDING TO SRI LANKA NATIONAL GRID.
3. ELEVATIONS ARE IN ACCORDING TO MSL.
4. SEE SPECIAL NOTES.

CONSTRUCTION OF MOOKIRIYAN ODAI BRIDGE ACROSS MOOKIRIYAN ODAI RIVER IN PUNNAI IN BATTICALOA.

SETTING OUT DETAILS			
SURVEYED & PLOTTED :	DESIGNED : L. G. A. LIYANAGE	DRAWN : H.A.D. PADMIKA	DRG.No. : DD/DCP/BATT/STR/1286
CHECKED :	C.E (DESIGN) K.A.S.B.KUMARAARACHCHI	D.D.(DESIGN)	SCALE : DATE : 07-07-2023 SHEET No. : 05



DETAIL OF ABUTMENT BASE
SCALE - 1 : 100

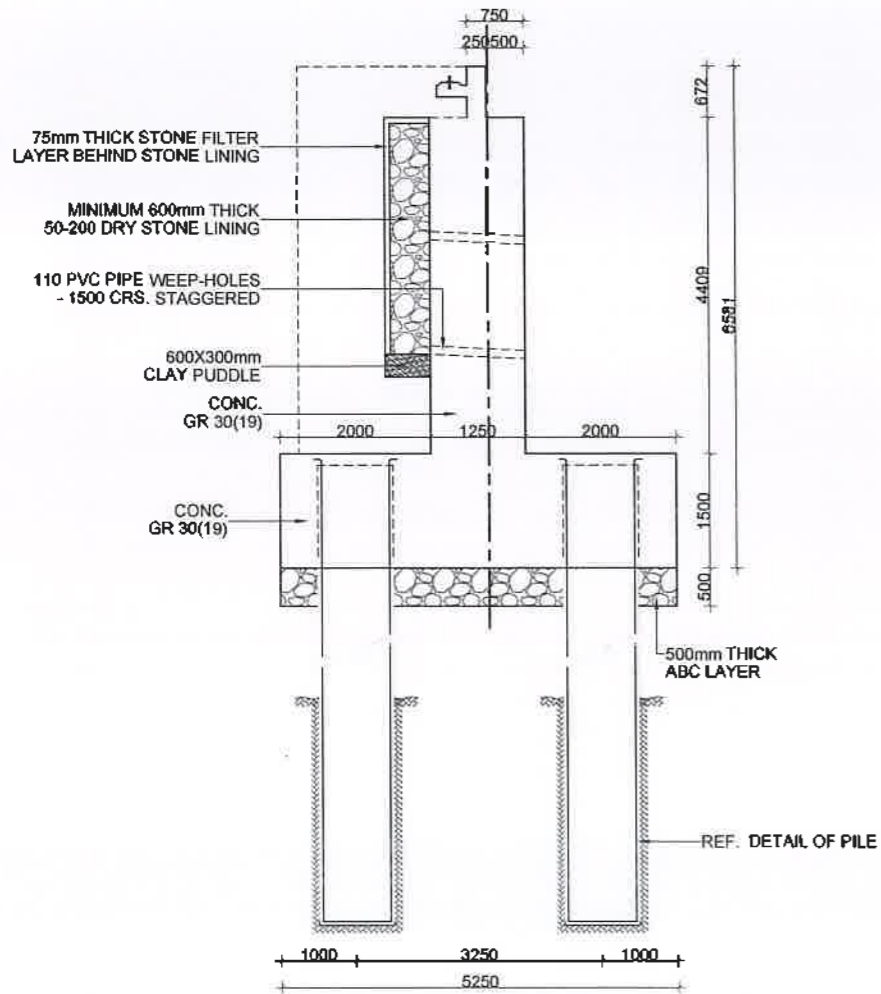
TENDER DRAWING

REV.	DESCRIPTION	BY.	DATE

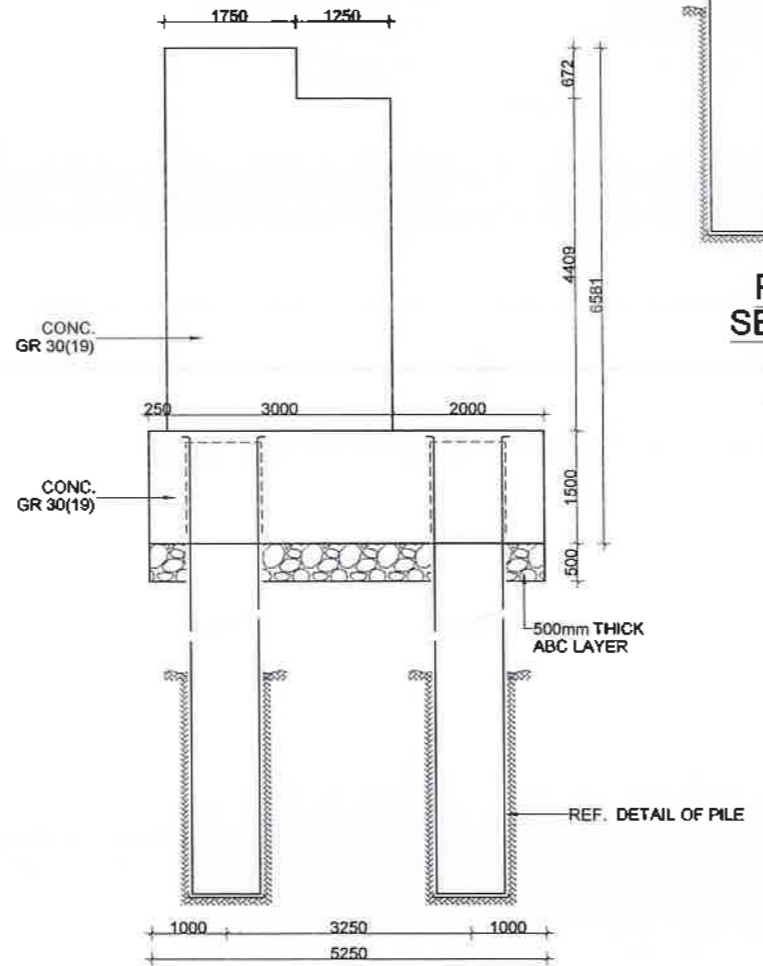
GENERAL NOTE :-
1. ALL DIMENSION ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED
2. COORDINATES ARE IN ACCORDING TO SRI LANKA NATIONAL GRID.
3. ELEVATIONS ARE IN ACCORDING TO MSL.
4. SEE SPECIAL NOTES.

CONSTRUCTION OF MOOKIRIYAN ODAI BRIDGE ACROSS MOOKIRIYAN ODAI RIVER IN PUNNAI IN BATTICALOA.

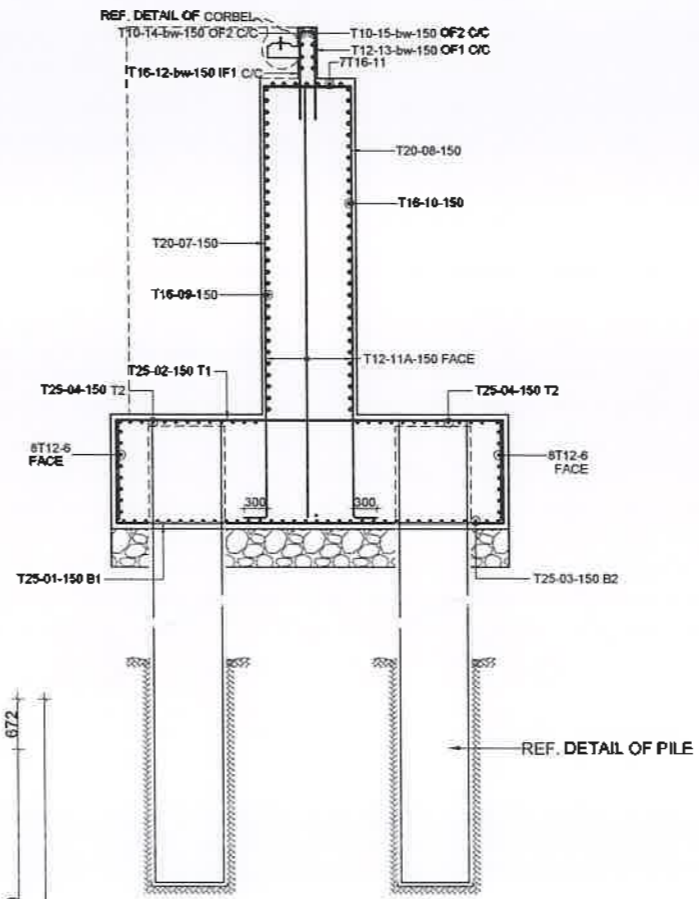
DETAIL OF ABUTMENT BASE			
SURVEYED & PLOTTED :	DESIGNED : L. G. A. LIYANAGE	DRAWN : H.A.D. PADMIKA	DRG.No. : DD/D/CP/BATT/STR/1286
CHECKED :	C.E.(DESIGN) K.A.S.B.KUMARAARACHCHI	D.D.(DESIGN)	SCALE :
			DATE : 07-07-2023
			SHEET No. : 06



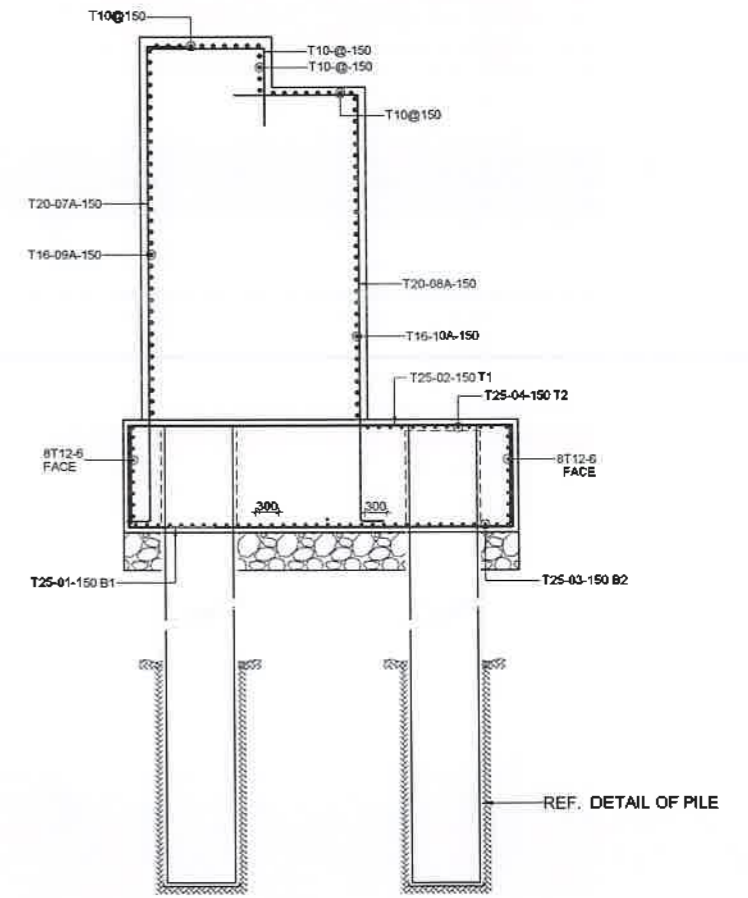
**SECTION OF A - A
FREE END ABUTMENT**
SCALE- 1:100



**SECTION OF A1 - A1
FREE END ABUTMENT**
SCALE- 1:100



**R/F DETAIL OF
SECTION OF A - A**
SCALE- 1:100



**R/F DETAIL OF
SECTION OF A1 - A1
FREE END ABUTMENT**
SCALE- 1:100

TENDER DRAWING

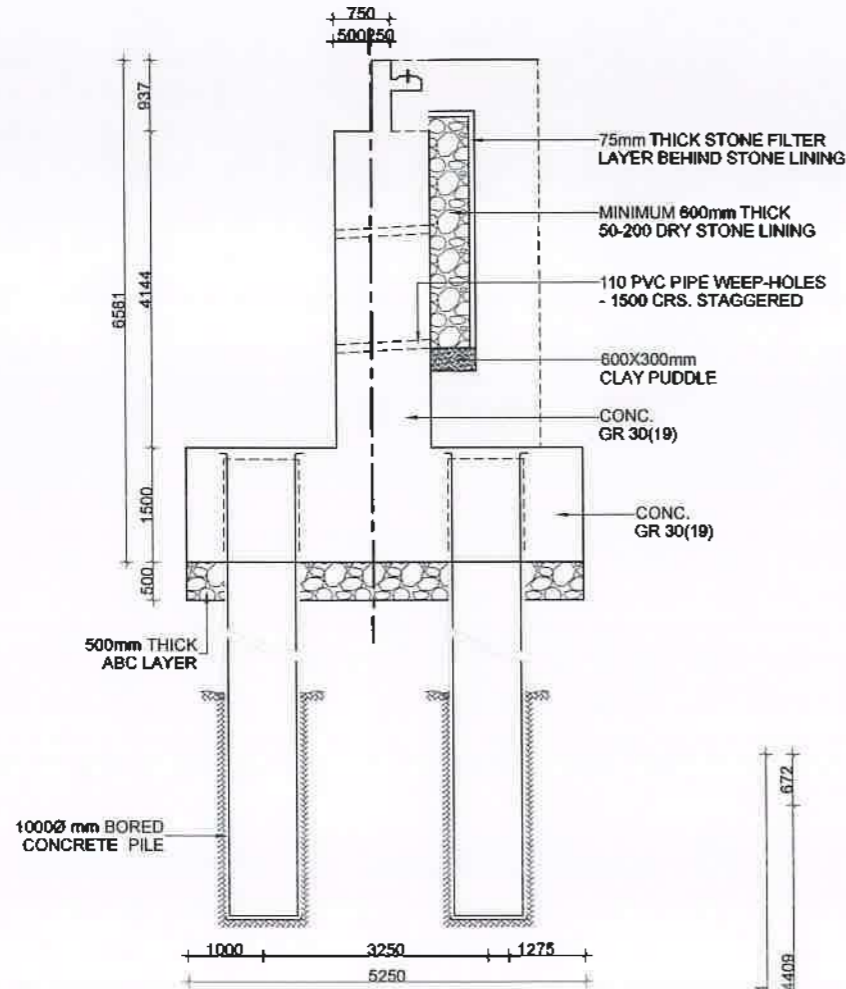
DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF TRANSPORT & HIGHWAYS

DESIGN OFFICE (C.P.),
ROAD DEVELOPMENT AUTHORITY
S.W.R.D.BANDARANAYAKE MAWATHA, KANDY.
TEL : 0812388991 FAX : 0812388991 email : docplandy@gmail.com

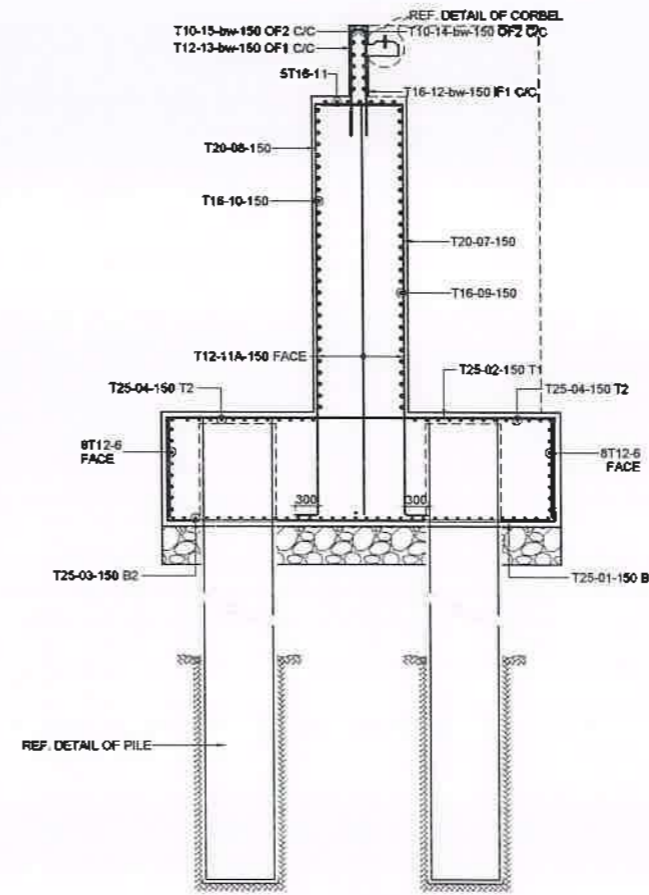
REV.	DESCRIPTION	BY.	DATE	GENERAL NOTE :
				1. ALL DIMENSION ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED
				2. COORDINATES ARE IN ACCORDING TO SRI LANKA NATIONAL GRID.
				3. ELEVATIONS ARE IN ACCORDING TO MSL.
				4. SEE SPECIAL NOTES.

**CONSTRUCTION OF MOOKIRIYAN ODAI
BRIDGE ACROSS MOOKIRIYAN ODAI RIVER
IN PUNNAI IN BATTICALOA.**

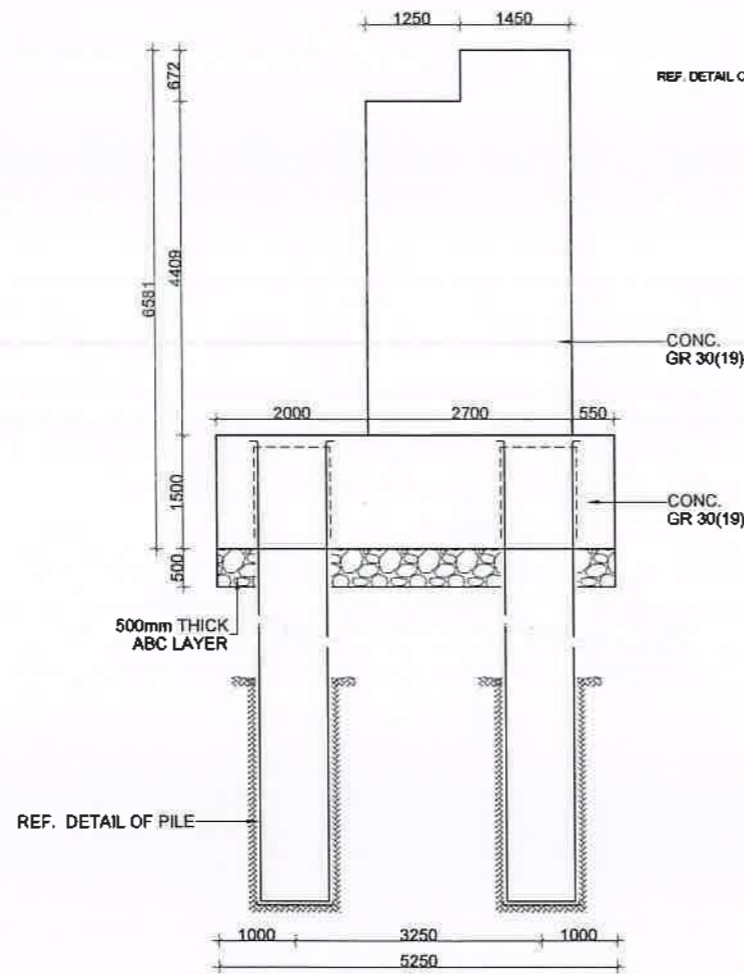
DETAIL OF ABUTMENT (PUNANAI END)			
SURVEYED & PLOTTED :	DESIGNED : L. G. A. LIYANAGE	DRAWN : H.A.D. PADMIKA	DRG.No. : DD/DCP/BATTI/STR/1286
CHECKED :	C.E.(DESIGN) K.A.S.B.KUMARAARACHCHI	D.D.(DESIGN)	DATE : 07-07-2023
			SHEET No. : 07



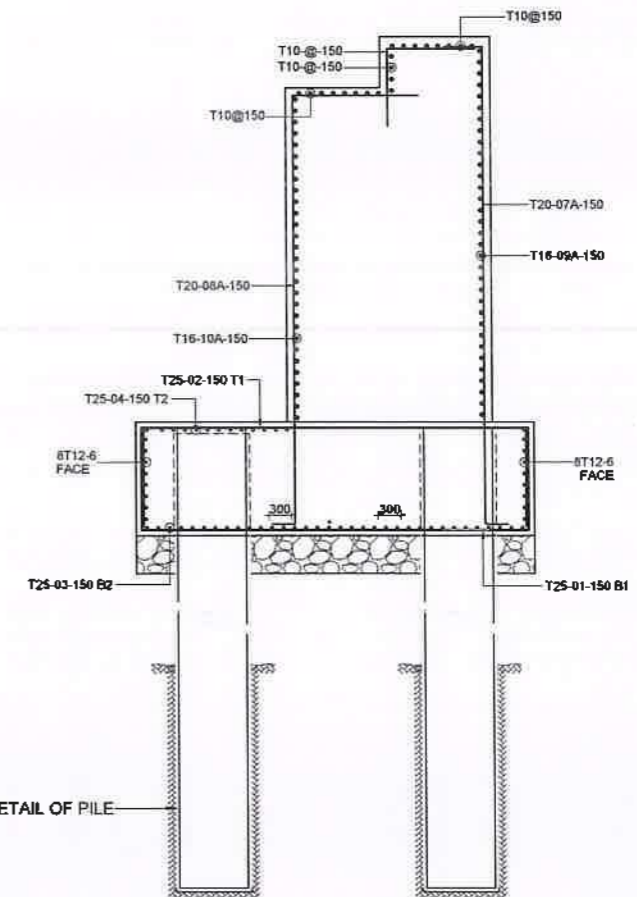
SECTION OF B - B
SCALE- 1:100



R/F DETAIL OF SECTION OF B - B
SCALE- 1:100



**SECTION OF B1 - B1
FIXED END ABUTMENT**
SCALE- 1:100



**R/F DETAIL OF SECTION OF B1 - B1
FREE END ABUTMENT**
SCALE- 1:100

TENDER DRAWING

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF TRANSPORT & HIGHWAYS

DESIGN OFFICE (C.P.),
ROAD DEVELOPMENT AUTHORITY
S.W.R.D.BANDARANAYAKE MAWATHA, KANDY.
TEL : 0812388991 FAX : 0812388991 email : dooptandy@gmail.com

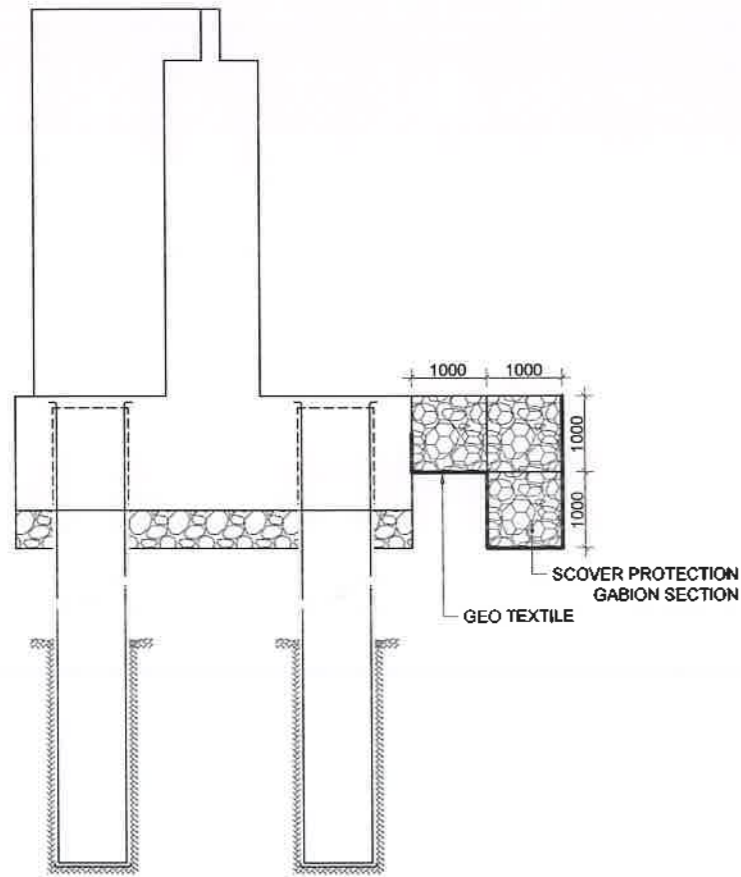
REV.	DESCRIPTION	BY.	DATE

GENERAL NOTE :-
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2. COORDINATES ARE IN ACCORDING TO SRI LANKA NATIONAL GRID.
3. ELEVATIONS ARE IN ACCORDING TO MSL.
4. SEE SPECIAL NOTES.

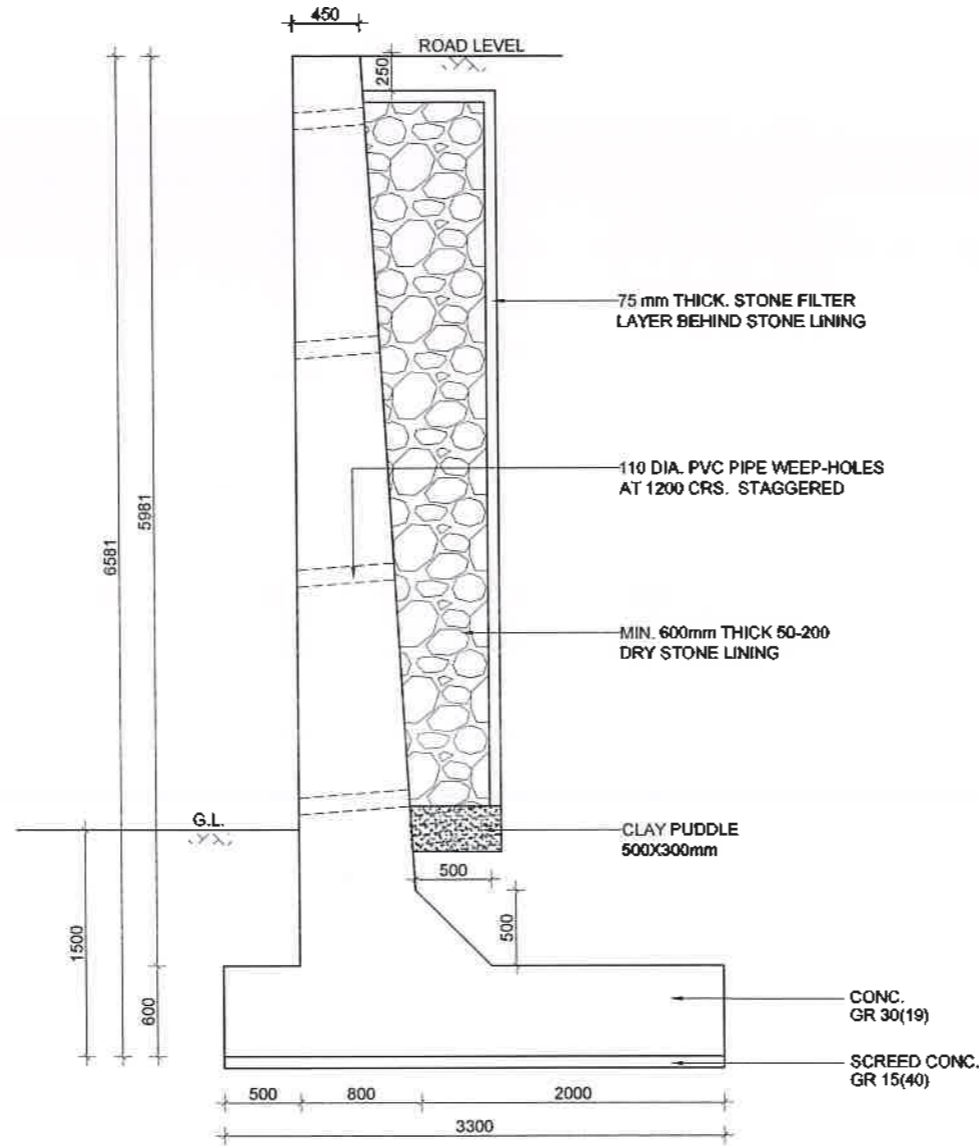
**CONSTRUCTION OF MOOKIRIYAN ODAI
BRIDGE ACROSS MOOKIRIYAN ODAI RIVER
IN PUNNAI IN BATTICALOA.**

DETAIL OF ABUTMENT (AKKURANAI VILLAGE END)

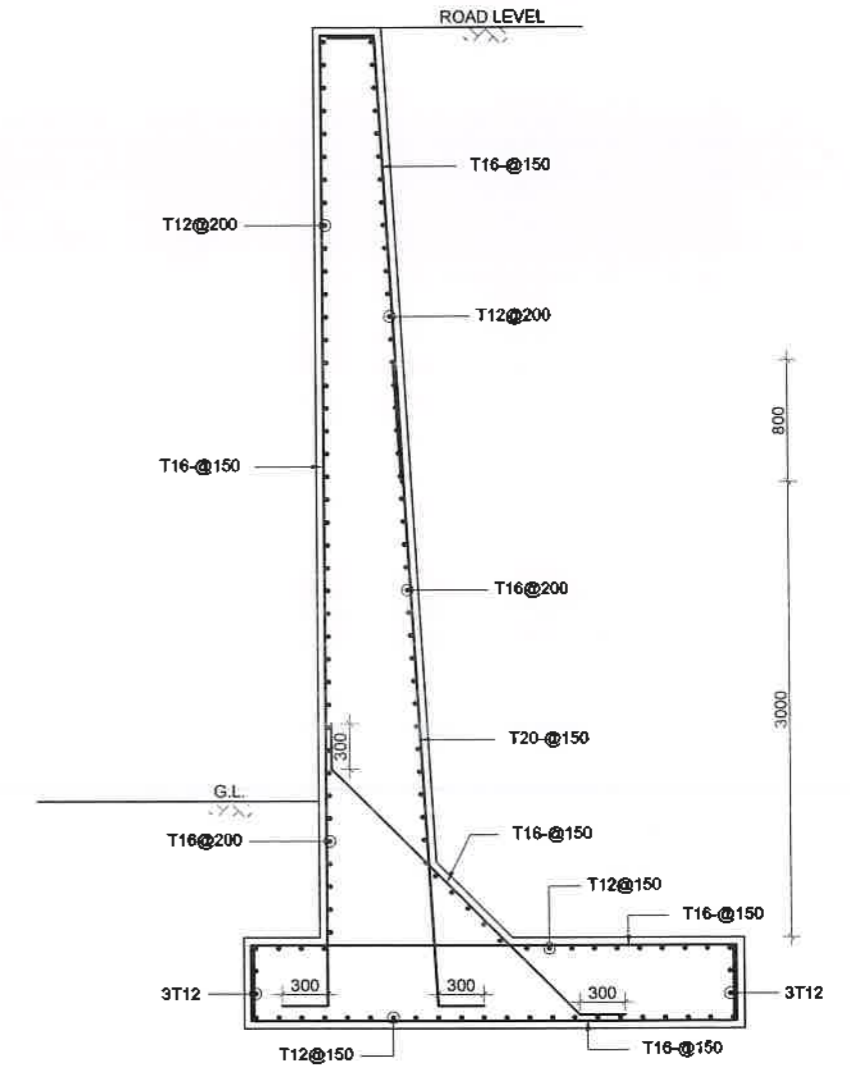
SURVEYED & PLOTTED :	DESIGNED : L. G. A. LIYANAGE	DRAWN : H.A.D. PADMIKA	DRG.No. : DD/D/CP/BATT/STR/1286
CHECKED :	C.E.(DESIGN) K.A.S.B.KUMARAARACHCHI	D.D.(DESIGN)	SCALE :
			DATE : 07-07-2023
			SHEET No. : 08



DETAIL OF GABION SECTION
SCALE 1:100



DETAIL OF RETAINING WALL SECTION
SCALE 1:50



R/F DETAIL OF RETAINING WALL SECTION
SCALE 1:50

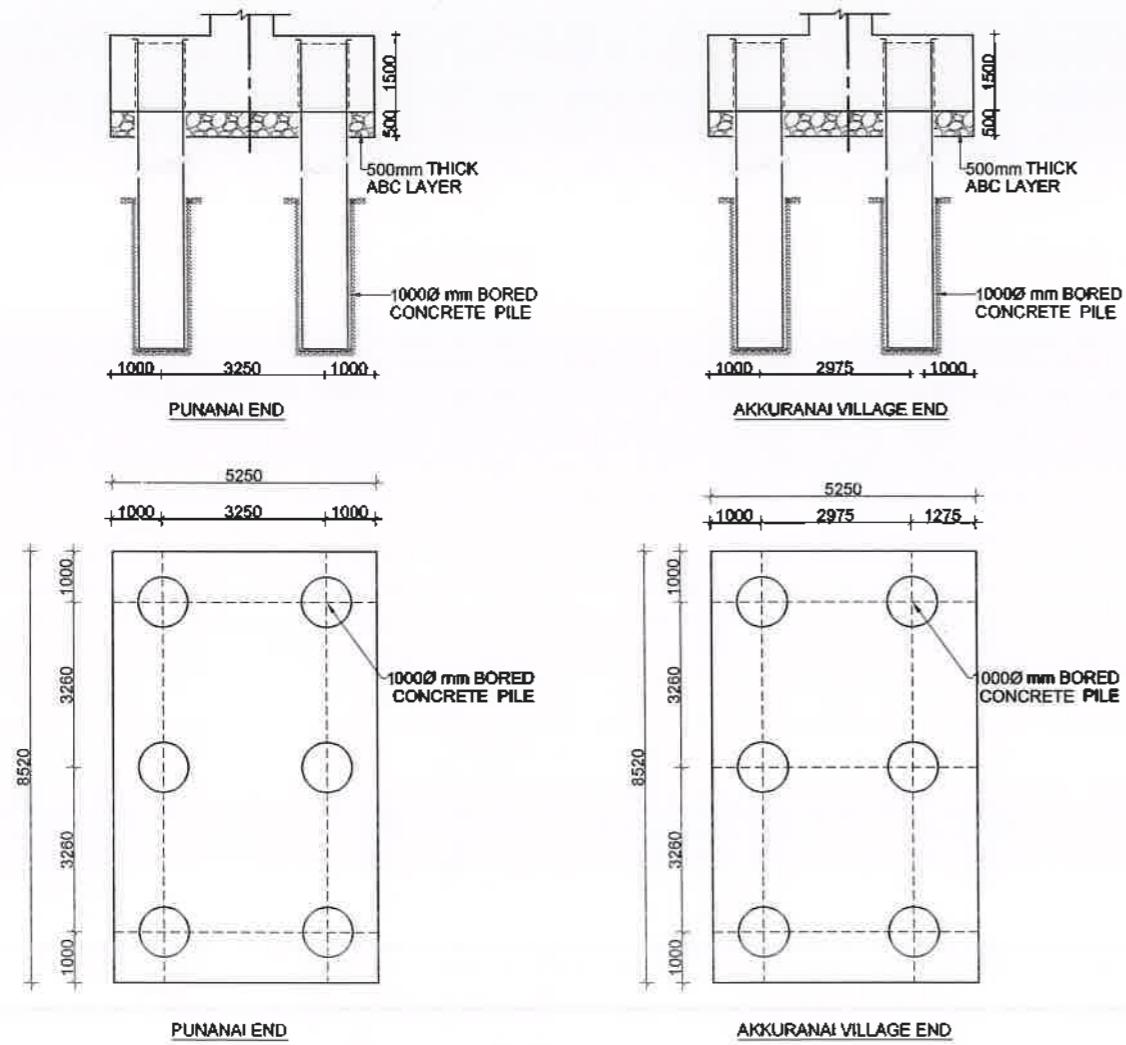
TENDER DRAWING

REV.	DESCRIPTION	BY.	DATE

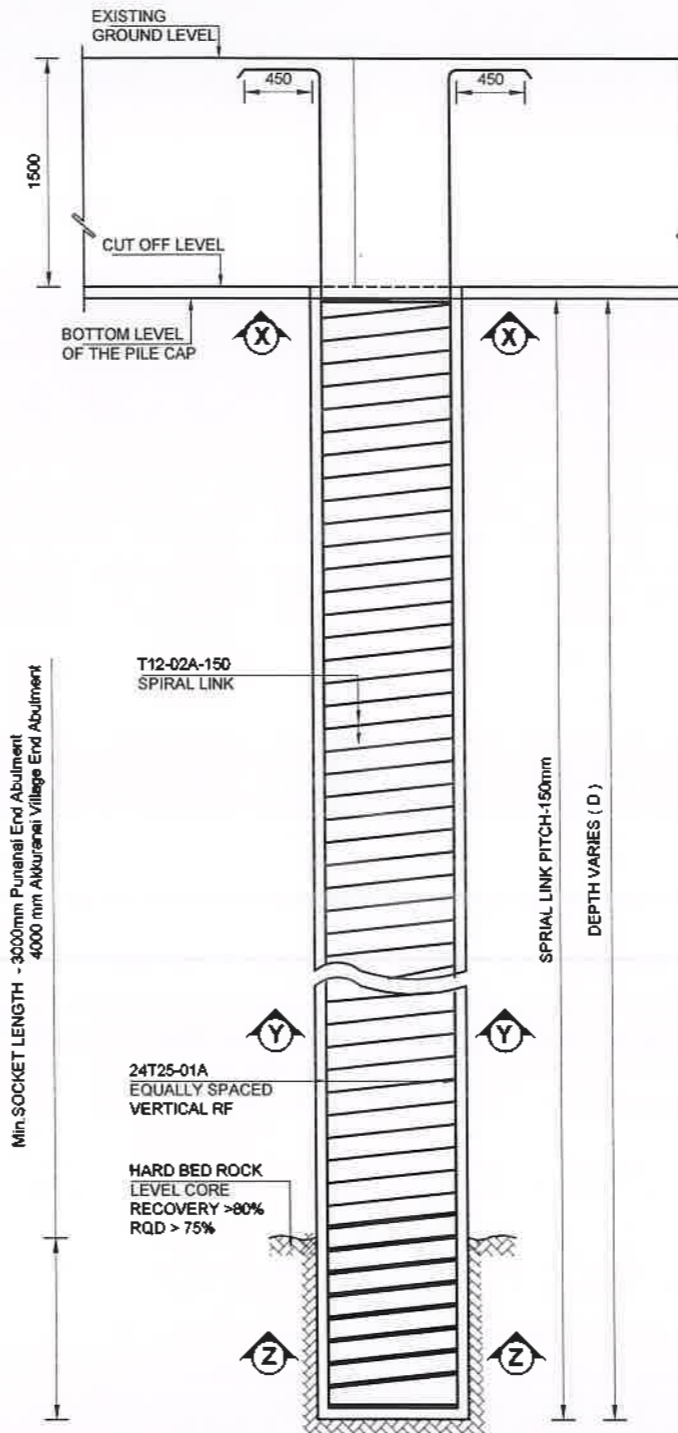
GENERAL NOTE :-
1. ALL DIMENSION ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED
2. COORDINATES ARE IN ACCORDING TO SRI LANKA NATIONAL GRID.
3. ELEVATIONS ARE IN ACCORDING TO MSL.
4. SEE SPECIAL NOTES.

CONSTRUCTION OF MOOKIRIYAN ODAI BRIDGE ACROSS MOOKIRIYAN ODAI RIVER IN PUNNAI IN BATTICALOA.

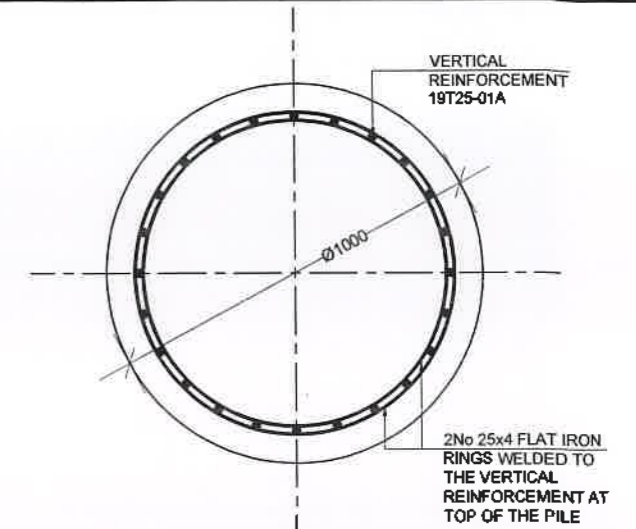
DETAIL OF WING WALL			
SURVEYED & PLOTTED :	DESIGNED : L. G. A. LIYANAGE	DRAWN : H.A.D. PADMIKA	DRG.No. : DD/D/CP/BATTI/STR/1286
CHECKED :	C.E.(DESIGN) K.A.S.B.KUMARAARACHCHI	D.D.(DESIGN)	SCALE :
			DATE : 07-07-2023
			SHEET No. : 09



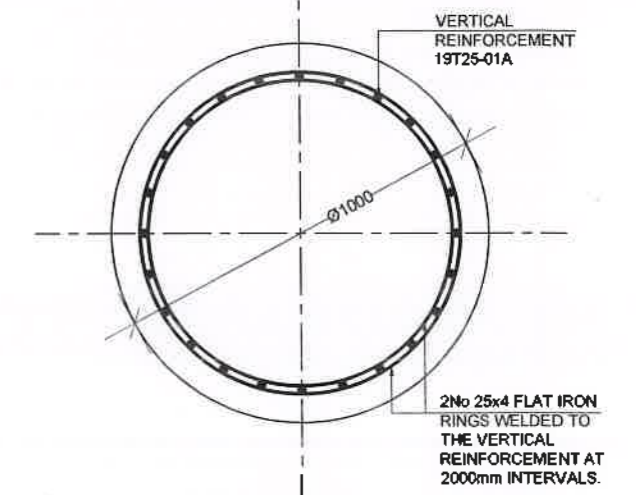
DETAIL OF PILE ARRANGEMENT FOR ABUTMENT BASE
SCALE 1:150



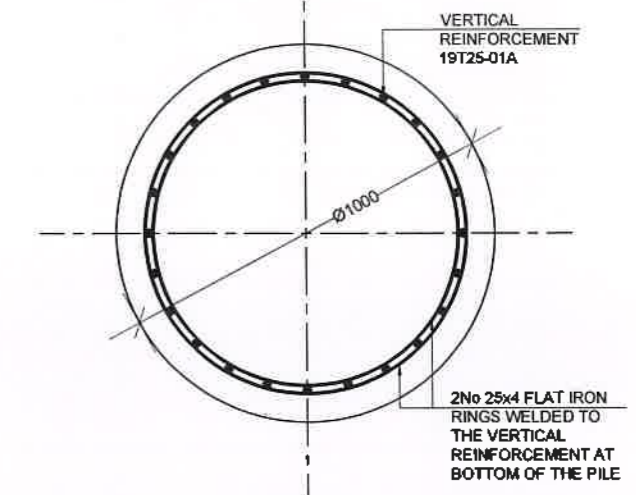
TYPICAL ELEVATION OF PILE
SCALE 1:50



SECTION X - X
SCALE 1:20



SECTION Y - Y
SCALE 1:20



SECTION Z - Z
SCALE 1:20

TENDER DRAWING

- SPECIAL NOTE:-**
1. REINFORCEMENT FOR THE PILE WOULD VARY ACCORDING TO THE DEPTH TO THE BED ROCK. APPROPRIATE ARRANGEMENT SHOULD BE APPROVED BY THE ENGINEER.
 2. WORKING LOAD ON PILE 2500 kN (SLS)
 3. CLEAR CONCRETE COVER FOR REINFORCEMENT IS 75mm

REV.	DESCRIPTION	BY.	DATE	GENERAL NOTE:-
				1. ALL DIMENSION ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED
				2. COORDINATES ARE IN ACCORDING TO SRI LANKA NATIONAL GRID.
				3. ELEVATIONS ARE IN ACCORDING TO MSL.
				4. SEE SPECIAL NOTES.

DETAIL OF PILE ARRANGEMENT			
SURVEYED & PLOTTED:	DESIGNED: L. G. A. LIYANAGE	DRAWN: H.A.D. PADMIKA	DRG.No.: DD/D/CP/BATTI/STR/1286
CHECKED:	C.E.(DESIGN) K.A.S.B.KUMARAARACHCHI	D.D.(DESIGN)	SCALE: DATE: 07-07-2023
			SHEET No.: 10