

INVITATION FOR BID (IFB)

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/SAB/FD/GOSL/2022/01	RE-CONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA ROAD (NON RDA) IN KEGALLE DISTRICT	411.6	C2 or C1	5.1	456

2. The work consists of re-construction of Garagoda bridge across Kelani river on Yatiyanthota Magamma road in Kegalle 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 **15.06.2023**.
- a. Provincial Director (SAB), Road Development Authority, Ratnapura.
T.P : 045-2233907 Fax : 045 - 2222471
- b. Director (Construction), Road Development Authority, 3rd Floor, "Maganeguma Mahamedura", 216, Denzil Kobbekaduwa Mawatha, Battaramulla.
T.P : 011-2864388 Fax : 011-2861821
6. The Pre-Bid meeting will be held at **10:00 hrs** on **26.06.2023** at the office of the **Provincial Director (SAB), Road Development Authority, Ratnapura** 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 **15.06.2023** until **05.07.2023** 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. 69,000.00 (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 **28.12.2023**.
9. Bids shall be delivered in **duplicate** to the **Chairman, Ministry Procurement Committee, Ministry of Transport and Highways, Procurement Division, 7th Floor, "Maganeguma Mahamedura", Denzil Kobbekaduwa Mawatha, Battaramulla** on or before **14:00 hrs** on **06.07.2023**. 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 **30.11.2023**.

The Chairman,
Ministry Procurement Committee,
Ministry of Transport & Highways,
Procurement Division,
7th Floor, "Maganeguma Mahamedura",
Denzil Kobbekaduwa Mawatha, Battaramulla.

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

MINISTRY OF TRANSPORT AND HIGHWAYS

ROAD DEVELOPMENT AUTHORITY



BIDDING DOCUMENT

FOR

RE-CONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE ACROSS KELANI GANGA ON
YATIYANTHOTA - MAGAMMANA ROAD(NON RDA) IN KEGALLE DISTRICT

CONTRACT NO. RDA/DC/SAB/FD/GOSL/2022/01

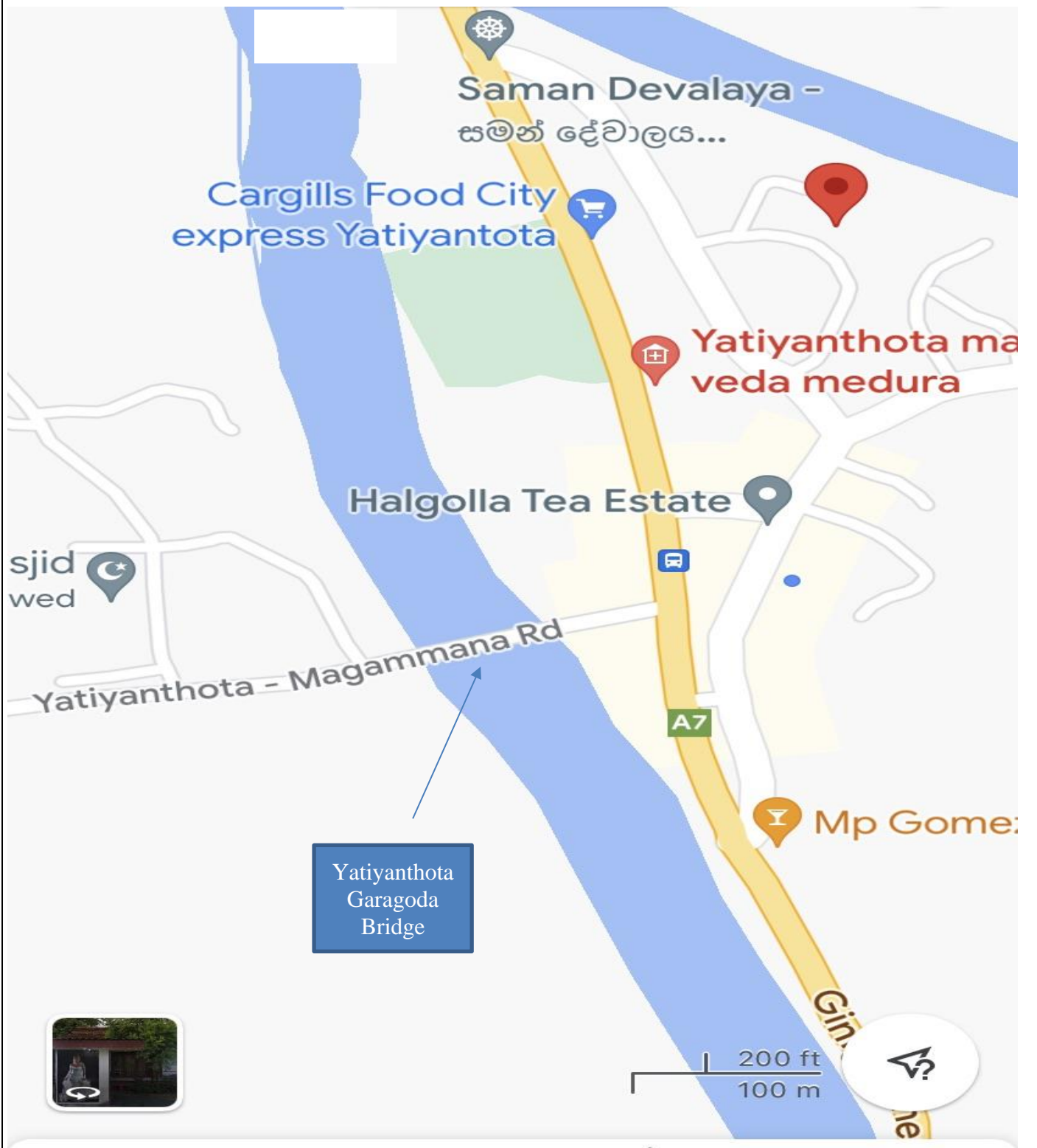
BID SUBMITTED BY

.....
[Name of the Bidder]

CONTENTS

	Page
Project Location Map	03
Volume 1	05
Section 1 Instructions to Bidders	07
Section 3 Conditions of Contract	08
Section 5 Standard Forms - Contract	09
Volume 2	15
Invitation for Bids	17
Section 2 Bidding Data	18
Section 4 Contract Data	25
Section 6 Specifications	31
Section 7 Form of Bid	45
Section 8 Bill of Quantities	47
Section 9 Schedules	63
Section 11 Standard Forms (Bid)	73
Section 10 Drawings	77

Project Location Map



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

REFERENCE ONLY

VOLUME 1

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

REFERENCE ONLY

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 **'RE-CONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA ROAD (NON RDA) IN KEGALLE DISTRICT'** under Contract No: **RDA/DC/SAB/FD/GOSL/2022/01** 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

Director General
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/SAB/FD/GOSL/2022/01** dated with you, for the '**RE-CONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA ROAD (NON RDA) IN KEGALLE DISTRICT**', (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 after the end of the Defects Notification Period**] 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 No Signature

Name NIC No Signature

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 ‘**RE-CONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA ROAD (NON RDA) IN KEGALLE DISTRICT**’, under Contract No: **RDA/DC/SAB/FD/GOSL/2022/01** (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:

Authorised Signatory of Contractor

Common Seal

In the presence of Witness:

.....
Name
NIC No.
Address

.....
Chairman
Road Development Authority

.....
Board Member, RDA
On behalf of the Employer

Common Seal
In the presence of Witness:

.....
Name
NIC No.
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/SAB/FD/GOSL/2022/01** dated2023, with you, for the ‘**RE-CONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA ROAD (NON RDA) IN KEGALLE DISTRICT**’, (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/SAB/FD/GOSL/2022/01** dated2023, with you, for the execution of '**RE-CONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA ROAD (NON RDA) IN KEGALLE DISTRICT**'. (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

REFERENCE ONLY

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/SAB/FD/G OSL/2022/01	RE-CONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA ROAD (NON RDA) IN KEGALLE DISTRICT	411.6	C2 or C1	5.1	456

2. The work consists of re-construction of Garagoda bridge across Kelani river on Yatiyanthota Magamma road in Kegalle 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 **15.06.2023**.
- a. Provincial Director (SAB), Road Development Authority, Ratnapura.
T: 045-2233907 Fax: 045 - 2222471
- 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 26.06.2023** at the office of the **Provincial Director (SAB), Road Development Authority, Ratnapura** 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 **15.06.2023** until **05.07.2023** 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 **69,000.00** (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 **28.12.2023**.
9. Bids shall be delivered in **duplicate** to the **Chairman, Ministry Procurement Committee, Ministry of Transport and Highways, Procurement Division, 7th Floor, "Maganeguma Mahamedura", Denzil Kobekaduwa Mawatha, Battaramulla** on or before **14:00 hrs on 06.07.2023**. 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 **30.11.2023**.

**The Chairman,
Ministry Procurement Committee
Ministry of Transport & Highways,
Procurement Division
7th 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 Director General, 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

RE-CONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA ROAD (NON RDA) IN KEGALLE DISTRICT The work consists of 2 span of 11.5 m and 6 span of 16.5 m providing clear carriageway of 6.2 m width and 1.09 m foot walk. The deck is to be formed by using 11.5 m, 16.5 m long P.S.C. Beams (cast in different lengths). This includes for construction of approaches of total length approximately 100m either side and improvement of river banks as well.

1.2 Time for Completion

The Time for Completion of the whole of the Works shall be **456 Days** from the Commencement Date.

2.1 Source of funds

150 Mn from Sabaragamuwa Provincial council and the balance from budget allocation under rehabilitation Garagoda bridge for Road Development Authority. 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 **C1 or C2** 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 602.6 million**.

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

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

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 of the value of which should be at least **Rs. 351.5 million** during the last ten years inclusive of a bridge with superstructure incorporating pre-stressed beams or post-tensioning beams with at least 16.5 spans. (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 Breakers	
9. Asphalt Pavers	10MT
10. Pneumatic tired roller	8 – 10 Ton
12. Concrete mixture	400 ltr
13. Air compressors	250 CFM
14. Cargo truck with Crane	10 Ton

4.2 (e) 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 **100.4million**.

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. 50.2 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	
Requirement	Single Entity	Joint Venture			Submission Requirements
		All Partners Combined	Each Partner	One Partner	
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)
* 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. 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 If any Contract has been terminated due to the Contractor's default within last five years prior to 08 th June 2023, he shall be disqualified for the award of contract.					

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

Criteria	Compliance Requirements			Documents	
	Single Entity	Joint Venture		Submission Requirements	
Requirement		All Partners Combined	Each Partner	One Partner	
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 **30.11.2023**.

17.1 Amount of Bid security:

The amount of Bid Security is Sri Lanka Rs. **5.1 Mn.**

17.2 Validity of Bid Security

The Bid Security shall be valid up to **28.12.2023**.

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 **26.06.2023** at Provincial Director (SAB), RDA, Ratnapura 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)** Employer’s address for the purpose of bid submission is ;
**Chairman,
Ministry Procurement Committee,
Ministry of Transport and Highways,
Procurement Division
7th floor, “Maganeguma Mahamedura”
216, Denzil Kobbekaduwa Mawatha,
Battaramulla**
- 21.2(b) Name and Identification number of Contract**
The name of the Contract is RE-CONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA ROAD (NON RDA) IN KEGALLE DISTRICT
Contract Number is ***RDA/DC/SAB/FD/GOSL/2022/01***
- 22.1 Deadline for submission of Bids**
The deadline for submission of bids is **14:00 hrs on 06.07.2023**.
- 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.

32.3 Add new sub Clause 32.3

After evaluation of Bids in accordance with the procedures described under Clauses 28, 29, 30 and 31, the Employer will inform to all the bidders in writing the selection of the successful bidder and the intention of contract award to such bidder. The unsuccessful bidders if they so wish, within one week of such notice may make representation to the Procurement Appeal Board at the address given below. Such representation shall be self-contained to enable the Appeal Board to arrive at a conclusion and a cash deposit to an amount given below shall be made. The Appeal Board may request the bidder who had made representation to submit further evidence during investigations. The cash deposit will be forfeited unless the Employer has changed the original contract award decision in favour of the bidder who has made such representation.

Address: The Secretary
Ministry of Transport & Highways,
8th floor, "Maganeguma Mahamedura",
216, Denzil Kobekaduwa Mawatha,
Battaramulla.

Cash Deposit: Rupees 25,000/=

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 end date of the Defect Notification period.

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 : Director General , Road Development Authority Employer's Address : 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 456 Days
1.1.3.7	Add following, The Defects Notification Period is one Year .
1.3 (b)	Employer's Address 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.
	<ul style="list-style-type: none"> I. Clause 13. 3 - Variation Procedure II. Clause 4.4 - Subcontractors III. Clause 5.0 - Nominated Subcontractors IV. Clause 8.4 - Extension of Time for Completion V. Clause 8.8 - Suspension of Work VI. Clause 8.11 – Prolonged Suspension VII. Clause 10 - Employer's Taking Over VIII. Clause 11.3 – Extension of Defects Notification Period IX. Clause 11.8 - Performance Certificate 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.

	<p>4.17(c-3)</p> <p>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>								
<p>8.7</p> <p>12.2(b)</p>	<p>4.17(d) <u>Uncorrected Defects</u></p> <p>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</p> <p>The Liquidated Damages for the whole of the works shall be Rs. 251,075.00 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="416 1626 1137 1850"> <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								
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								

<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% 																																																	
<p>13.7</p>	<p>Price Adjustment The contract is subjected to price adjustment</p> <table border="1" data-bbox="320 546 1075 1317"> <thead> <tr> <th>Input</th> <th>Input Name</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>M41</td> <td>Bridge Beam</td> <td>18.12</td> </tr> <tr> <td>M3</td> <td>Cement</td> <td>13.87</td> </tr> <tr> <td>M13</td> <td>Steel Reinforcement</td> <td>10.15</td> </tr> <tr> <td>L2</td> <td>Semi-Skilled Labour</td> <td>7.71</td> </tr> <tr> <td>M7</td> <td>Metal</td> <td>7.63</td> </tr> <tr> <td>M30C</td> <td>Bitumen</td> <td>7.14</td> </tr> <tr> <td>L3</td> <td>Unskilled Labour</td> <td>7.13</td> </tr> <tr> <td>L1</td> <td>Skilled Labour</td> <td>5.26</td> </tr> <tr> <td>P3</td> <td>Fuel</td> <td>4.81</td> </tr> <tr> <td>P2</td> <td>Heavy Equipment</td> <td>2.71</td> </tr> <tr> <td>M21</td> <td>Formwork Timber</td> <td>2.52</td> </tr> <tr> <td>M8</td> <td>Sand</td> <td>2.32</td> </tr> <tr> <td>M45</td> <td>Earth</td> <td>0.35</td> </tr> <tr> <td>P1</td> <td>Small Equipment</td> <td>0.28</td> </tr> <tr> <td></td> <td></td> <td>90.0</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	M41	Bridge Beam	18.12	M3	Cement	13.87	M13	Steel Reinforcement	10.15	L2	Semi-Skilled Labour	7.71	M7	Metal	7.63	M30C	Bitumen	7.14	L3	Unskilled Labour	7.13	L1	Skilled Labour	5.26	P3	Fuel	4.81	P2	Heavy Equipment	2.71	M21	Formwork Timber	2.52	M8	Sand	2.32	M45	Earth	0.35	P1	Small Equipment	0.28			90.0
Input	Input Name	Percentage																																																
M41	Bridge Beam	18.12																																																
M3	Cement	13.87																																																
M13	Steel Reinforcement	10.15																																																
L2	Semi-Skilled Labour	7.71																																																
M7	Metal	7.63																																																
M30C	Bitumen	7.14																																																
L3	Unskilled Labour	7.13																																																
L1	Skilled Labour	5.26																																																
P3	Fuel	4.81																																																
P2	Heavy Equipment	2.71																																																
M21	Formwork Timber	2.52																																																
M8	Sand	2.32																																																
M45	Earth	0.35																																																
P1	Small Equipment	0.28																																																
		90.0																																																
<p>14.2</p>	<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>																																																	
<p>14.3(c)</p>	<p>Percentage of retention Limit of Retention Money</p>	<p>10% 5% of the Initial Contract Price</p>																																																
<p>14.5</p>	<p>Minimum amount of Interim Payment Certificates</p>	<p>Rs 16 Mn. (Rupees Sixteen Million).</p>																																																

<p>15.2(h)</p>	<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 saving the approved program as a Baseline.</p>	
<p>18.2</p>	<p>Third Party Insurance</p>	<p>This amount of third party insurance per occurrence is Rupees 5,000,000. 00</p>

REFERENCE ONLY

SECTION - 6
SPECIFICATIONS

REFERENCE ONLY

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.

REFERENCE ONLY

PARTICULAR SPECIFICATIONS

PREAMBLE

=====

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.

REFERENCE ONLY

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(003) Provide Office for the Engineer

The Contractor shall provide furnished buildings area of 75 sqm for the use of the Engineer according to the Contract. The buildings shall be to the satisfaction of the Engineer.

The Contractor shall submit for the Engineer's approval a general layout plan of the facilities, showing their position, the access and internal roads, fences and gates and proposed waste water/sewerage disposal system before any of this work starts.

The Contractor shall be responsible for earthworks and site grading required for the site facilities and parking areas including boundary fence, gate and watchman's hut. In addition, any access to the site facilities by means of roads from a public road shall be provided and maintained by the Contractor.

The site shall be graded and properly drained so that there are no depressions where water will collect.

All wastewater shall be disposed underground and as approved by the Engineer. The Contractor shall perform percolation tests at the location of leach field, and the size of the leach field or pit will be subject to the results of these tests and the approval of the Engineer.

The septic tanks of size approved by the Engineer shall be of reinforced concrete or glass fiber equipped with proper inlet and outlet baffles and sealed access hatch. The size shall be sufficient to operate at least three years without solids overflowing into the leach field. The leach field or pits shall penetrate through the catch layer if there is one. The space below the distribution pipes shall be backfilled with a pervious material and compacted prior to installing the distribution pipes.

The design of the leach field or pits shall take into consideration only the area of the side walls of the trench or pit below the level of the inlet pipes. The area of the bottom of the trench or pit may not be used for percolation calculations as it will be continuously saturated. The Contractor shall submit full details of the proposed system for the approval of the Engineer.

No permanent work shall be allowed to start on Site until the offices and housing for the Engineer are completed and equipped as specified and fully operational.

Upon completion of the Contract, Engineer's offices shall be become property of the Contractor. The Contractor is requested to submit with his bid, Literature & Specifications of the facilities in sufficient details to enable their quality to be assessed.

Canopies shall be provided using an approved type of Construction to shade the roofs and external walls and windows of the facilities during the day.

Covered carports shall be provided at the office areas to accommodate 2 cars/cabs in each area.

Payment

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

Item No.	Description	Pay Unit
P(003)	Provide office for the Engineer during the Construction period.	month

P(004) Maintenance of Office for the Engineer

Description

The Contractor shall maintain in good decorative and working order all the buildings and the contents thereof supplied under the Contract. The Contractor shall be responsible for supplying all power, water and telephone services and all the facilities and shall meet all costs for these services and settlement of all bills for these services.

The Contractor shall maintain all facilities for the duration of the Contract, such maintenance shall include but not be limited to:-

keeping buildings in good repair and decorative order, and free from pests, insects etc;
cleaning offices and laboratory daily;
maintaining the grounds around buildings;
supplying kitchen-ware and crockery and cleaning materials;
supplying toilet and cleaning equipment and materials;
providing power, water, telephone services, fax and e-mail facilities;
servicing and repairing all fittings and equipment installed, eg: air-conditioners, fans, etc;

Measurement and Payment

a. Measurement

Maintenance of each facility shall be measured as the number of months during which the maintenance for each facility is satisfactorily provided. Maintenance shall not be measured during any period occurring between the expiration of the contract period and the date the works are certified as complete.

Measurement will be made for maintenance performed after the completion of the works, during the time the facilities are required by the Engineer's staff for post-construction contract completion activities.

b. Payment

Payment for maintenance for each facility shall include all labour, materials and equipment required for satisfactory maintenance of the facilities and shall include all other costs including but not limited to supply of electricity, water and telephone facilities, cleaning, guarding, disposal of rubbish, repairing equipment and all other work required to ensure the facilities and equipment provided are in good operational order.

Pay Item	Description	Pay Unit
P (004)	Maintain Office for the Engineer	Month

P005 Provide Furniture & Equipment for the Engineer's Office

The Contractor shall provide & maintain the office equipment and furniture for use of Engineer. At the completion of Contract all furniture and office equipment shall become the property of the RDA

Payment

Payment shall be made from the pay item in the Bill of Quantities

Item No	Description	Pay Unit
P (005)	Provide office furniture & Equipment for the Engineer's office	PS

P 006 Office Consumable for the Engineer

The Contractor shall provide stationary for the engineer as required and duly requisition by the engineer. Stationary includes office consumable items such as paper, paper printing material and general office requisites.

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

Item No.	Description	Pay Unit
P (006)	Provide stationary for the Engineer's Office	PS

P007 Engineer's Staff

The Contractor shall provide at all times during the period of the Contract, for the exclusive use of the Engineer, all such workmen as the Engineer may deem necessary for the carrying out of his duties in connection with the Contract.

The workmen shall be selected for their abilities and knowledge and so far as possible the same workmen shall be provided throughout the period of the Contract.

The following staff shall be provided by the Contractor for the assistance of the Engineer in his duties as instructed by the Engineer unless otherwise stated in the Bill of quantities.

- a. Office Assistant
- b. Watcher

Such staff shall be approved by the Engineer and shall be responsible to him, although they will be in the employ of the Contractor.

Payment

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

Item No.	Description	Pay Unit
P(007)	Engineer's Staff	Month

P 008 Vehicle for the Engineer

The Contractor shall provide and maintain an air conditioned van 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(008)	Provide & maintain Vehicle for the Engineer	veh.month

P 009 Excavation and Removal of Obstruct Flow Path on Downstream Left Bank

General Description:

- This specification outlines the requirements for the excavation and removal of an obstructed flow path on the downstream left bank of the designated location.
- The work includes the excavation, removal, and disposal of any obstructions that impede the natural flow of water along the left bank.
- The contractor shall adhere to all relevant safety regulations, environmental guidelines, and local laws during the execution of the project.

Scope of Work:

- Conduct a survey and assessment of the obstructed flow path to determine the extent of the obstruction, its composition, and any potential risks to existing pier foundation associated with its removal.
- Obtain any necessary permits or permissions required for excavation and disposal of excavated materials.
- Mobilize the required personnel, equipment, and materials to the site.
- Excavate the obstructed flow path on the downstream left bank to restore the natural water flow.
- Remove and dispose of the excavated materials in compliance with local regulations and environmental guidelines.
- Restore the excavated area, ensuring that it is left in a safe and stable condition.
- Conduct any necessary erosion control measures to prevent future obstructions.

Technical Requirements:

- The excavation shall be carried out in accordance with the specified dimensions and profile as determined by the engineer.
- The contractor shall use appropriate equipment, such as excavators, bulldozers, suitable for the type and size of the obstruction.

c. Excavation shall be performed carefully to prevent damage to the existing natural bank or surrounding structures.

d. The contractor shall ensure that all excavated materials, including debris and vegetation, are removed from the site and properly disposed of in accordance with local regulations.

e. Any erosion control measures required to stabilize the excavated area and prevent future obstructions shall be implemented.

Health, Safety, and Environmental Considerations:

a. The contractor shall adhere to all applicable safety regulations, including providing personal protective equipment (PPE) to all personnel working on-site.

b. Environmental protection measures shall be implemented to minimize the impact on the surrounding ecosystem during excavation and disposal activities.

c. The contractor shall be responsible for the proper disposal of excavated materials, ensuring compliance with waste management regulations.

d. If any hazardous materials or substances are encountered during the excavation, the contractor shall follow established procedures for containment and disposal.

Quality Assurance:

a. The contractor shall provide a detailed work plan and method statement for the excavation and removal activities, which shall be approved by the engineer or relevant authority.

b. Regular inspections and monitoring shall be conducted by the project engineer to ensure compliance with the specified requirements and standards.

c. The completed excavation shall be inspected and approved by the engineer before final acceptance.

Documentation:

a. The contractor shall maintain accurate and detailed records of all activities, including survey reports, permits, disposal receipts, and any other relevant documentation.

b. As-built drawings and photographs shall be provided to document the completed excavation and removal work.

Payment:

a. The payment shall be full compensation for all excavation, dewatering, multiple handling, hauling and otherwise properly using and disposing of materials in spoil tips for establishing and maintaining access to channels and for all labour, materials, tools equipment and incidentals.

Pay item and pay units shall be as follows:

Pay item	Description	Pay Unit
P 009	Removing of obstruct flow path on downstream left Bank	Cu. m

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

REFERENCE ONLY

FORM OF BID

RE-CONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE ACROSS KELANI GANGA ON YATIYANTHOTA -
MAGAMMANA ROAD(NON RDA) IN KEGALLE DISTRICT
Under Contract No: **RDA/DC/SAB/FD/GOSL/2022/01**

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 : 1 Name..... 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

REFERENCE ONLY

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

RE-CONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE ACROSS KELANI GANGA ON YATIYANTHOTA
- MAGAMMANA ROAD (NON RDA) IN KEGALLE DISTRICT
CONTRACT NO RDA/DC/SAB/FD/GOSL/2022/01

<i>Bill No</i>	<i>Description</i>		<i>Amounts / Rs</i>
1	Preliminaries & General		
2A	Construction of the Foundation & Substructure		
2B	Construction of Super Structure		
3	Road work		
4	Improvement of River Bank		
5	Daywork		
A	Sub Total-01 (1+2A+2B+3+4+5)		
B	Provisional sums		68,830,000.00
C	Sub Total -02 (A-B) Provisional sum deduct form Sub Total -01		
<i>D</i>	Discount if any	Amount in words	
	 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 12% (F*12%)		
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**RECONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA ROAD**

Item	Pay Item	Description	Quantity	Unit	Rate	Amount
Prelimineries and General						
1.1	103(1)	Management, safety and control of Traffic	15.00	Month		
1.2	103(2)	Provision and maintenance of temporary diversion roads if any	PS	item	Allow	2,000,000.00
1.3		Assist utility agency or Relocation of utility services as per requirement of the utility service agency and the RDA	PS	item	Allow	2,000,000.00
1.4	109(3)	Allow for additional special tests	PS	Item	Allow	500,000.00
1.5	119(1)	Allow for cost of providing all necessary Insurances	LS	Item	Allow	
1.6	112(2)	Demolishing/Rebuilding of property	PS	Item	Allow	1,000,000.00
MOBILIZATION AND DEMOBILIZATION						
1.7	P(001)	Mobilization and De-mobilization of Contractor's facilities and plant/Equipment	LS	Item		
PROJECT SIGN BOARDS AND PLAQUES						
1.80	118(1)	Provide and maintain Project sign board	2.00	Nos		
PROVISION OF SITE OFFICE FOR THE ENGINEER /EMPLOYER						
1.9	P(003)	Provide site office for the Engineer	15.00	Month		
1.1	P(005)	Provide furniture, Equipment for the Engineer's site office	PS	Item	Allow	150,000.00
MAINTENANCE OF SITE OFFICE FOR THE ENGINEER/EMPLOYER						
1.11	P(004)	Maintain site office for the site Engineer	15.00	Month		
1.12	P(006)	Provide stationary for Engineer	PS	item	Allow	180,000.00
PROVISION OF FOR THE ENGINEER'S OTHER STAFF						
1.13	P(007)	Watchers (2 Nos)	30.00	Month		
1.14	P(007)	Office Assistant	15.00	Month		
TOTAL						

BILL NO 02A

RECONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA ROAD

Item	Pay Item	Description	Quantity	Unit	Rate	Amount
		<u>CONSTRUCTION OF BRIDGE</u>				
		<u>A. REMOVAL OF EXISTING STRUCTURES</u>				
A.1.1		Removal and disposal of existing bridge deck, dismantling of steel work, transporting the reusable material to a place within 80km. as directed and stacking the same and demolishing the existing substructure to the level specified in the drawing.	Item	L.S.		
A.1.2		Strengthening of existing substructure and foundation of the bridge as directed by the Engineer	Item	P.S		20,000,000.00
		<u>B. FOUNDATION & SUBSTRUCTURE</u>				
		<u>B.1 Retaining wall</u>				
		<u>Clearing & Grubbing</u>				
B.1.1	201(1)	- Clearing & Grubbing	78.00	m ²		
		<u>Excavation & Backfill</u>				
B.1.2	302(1)	- Excavation in unclassified soil for abutments, wingwalls and retaining walls.	50.00	m ³		
B.1.3	302(2)	Excavation in weathered/soft/decomposed rock.	10.00	m ³		
B.1.4	302(4)	Excavation in hard rock.	5.00	m ³		
B.1.5	304(2)	Backfilling using borrow material of Type I compacted in position.	40.00	m ³		
		<u>Concrete For Structures</u>				
B.1.6	1001(3)	Class C concrete of Grade 15(40) as screed concrete in retaining wall	6.00	m ³		
B.1.7	1001(2b)	Class B concrete of Grade 20(20) in retaining walls.	120.00	m ³		
B.1.8	1001(2a)	Class B concrete of Grade 25(20) in retaining walls.	50.00	m ³		
					Total C/F	

					Total B/F	
		<u>Formwork</u>				
B.1.09	1008(2)	Rough finish formwork for foundation of retaining walls.	36.00	m ²		
B.1.10	1008(1a)	Smooth finish formwork for retaining walls.	216.00	m ²		
		<u>Weep Holes</u>				
B.1.11	706(2)	Forming weep holes in abutments & wing walls with opening not less than 110 mm (type 600) finished smooth with drip ledge and surround complete as per drawing.	40.00	L.m.		
		<u>Drainage Backfill Material</u>				
B.1.12	705(1)	50-200mm. dry stone lining behind abutments, wingwalls and retaining walls as per drawing.	42.00	m ³		
B.1.13	705(2)	75mm. thick 40mm. stone filter layer behind dry stone lining as per drawing.	6.75	m ³		
B.1.14	705(3)	600x300mm Clay puddled & laid behind abutments, wingwalls and retaining walls to form the impervious layer as per drawing.	5.40	m ³		
		<u>B.2. Piers</u>				
		<u>Clearing & Grubbing</u>				
B.2.1	201(1)	Clearing & Grubbing	250.00	m ²		
		<u>Excavation & Backfill</u>				
B.2.2	302(1)	Excavation in unclassified soil.	840.00	m ³		
B.2.3	302(2)	Excavation in weathered/soft/decomposed rock.	168.00	m ³		
B.2.4	302(4)	Excavation in hard rock.	126.00	m ³		
B.2.5	302(10)	Construction of necessary cofferdams with using shedpile / sand bag and their subsequent removal.	Item	L.S.		
B.2.6	302(11)	Dewatering	Item	L.S.		
		<u>Concrete For Structures</u>				
B.2.7	1001(1b)	Concrete Class A Grade 30(20) as leveling concrete under foundation slabs of piers.	270.00	m ³		
B.2.8	1001(1)	Concrete Class A Grade 30(20) in pier foundation, pier shaft, pier capping beam and curtain walls etc.	759.72	m ³		
					Total C/F	

B.2.9	1001(1)	Class A concrete of Grade 25(19) in Jacket Walls of Pier no. 2 & 3 <u>Formwork</u>	170.00	m ³	Total B/F		
B.2.10	1008(2)	Rough finish formwork for foundation slab of pier.	100.00	m ²			
B.1.11	1008(1a)	Smooth finish formwork for pier shaft.	820.00	m ²			
B.2.12	1008(1b)	Smooth finish formwork for pier capping beam and curtain walls etc.	200.00	m ²			
B.2.13	1008(1b)	Smooth finish formwork for Jacket walls of Pier No. 2 & 3 <u>Reinforcement</u>	280.00	m ²			
B.2.14	1002(1a)	High yield steel bars of Grade 460 in pier.	84.51	M.T.			
B.2.15	1002(1a)	Cold worked deformed high yield steel bars of Grade 460 in Jacket Walls of Pier no. 2 & 3 <u>Miscellaneous</u>	2.70	M.T.			
B.2.16	1011A(1)	20mm. Dia 1000mm long hot rolled mild steel dowels driven into existing pier at joint as per drawing.	84.00	Nos.			
Bill No. 02A Carried to summary							

BILL NO 02B

RECONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA ROAD						
Item	Pay Item	Description	Quantity	Unit	Rate	Amount
		<u>C. SUPER STRUCTURE</u>				
		<u>Concrete For Structures</u>				
C.1	1001(1)	Infiller concrete of Class A Grade 40(20) between beams in bridge deck inclusive of end make up, screed and camber.	450.00	m ³		
C.2	1001(2)	Class B concrete of Grade 25(20) in footwalls & foot walk ramps.	105.00	m ³		
C.3	1008(1)	Formwork	1,200.00	m ²		
		<u>Reinforcement</u>				
C.4	1002(1)	Cold worked deformed high yield steel bars Grade 460.	15.95	M.T.		
C.5	1002(1)	Hot rolled mild steel bars of Grade 250.	6.64	M.T.		
		<u>Prestressed Concrete</u>				
C.6	1003(1)	Pre-tensioned precast concrete beams of cast length 11.50 m supplied as per drawing.	30.00	Nos.		
C.7	1003(2)	Pre-tensioned precast concrete beams launched into position as per drawing.	30.00	Nos.		
C.8	1003(1)	Pre-tensioned precast concrete beams of cast length 16.50 m supplied as per drawing.	90.00	Nos.		
C.9	1003(2)	Pre-tensioned precast concrete beams launched into position as per drawing.	90.00	Nos.		
		<u>Railings</u>				
C.10		Supply and Fixing steel railings per drawing	260.00	L.m.		
C.11	1019(1)	End pilasters in Class A concrete of Grade 25(20) with foundation type IV as per drawing No. T/B/106 - Rev 1	4.00	Nos.		
		<u>Guard Stones</u>				
C.12	808(5)	Precast Concrete guard stones supplied and fixed	40.00	Nos		
		<u>Concrete Kerbs</u>				
C.13	807(1)	Precast kerb in Class B Grade 25(20) concrete with light reinforcement & mould as per drawing No. T/B/106	260.00	L.m.		
					Total C/F	

					Total B/F	
C.14	807(4)	Constructing 150x50 mm Lower Kerbs in Class B Grade 20(14) concrete cast insitu as per drawing.	260.00	L.m.		
		<u>Expansion joints</u>				
C.15	1009(1)	Supplying and fixing of mild steel angle iron & hard rubber expansion joint as per drawing No. T/B/107 Rev 1	77.00	L.m.		
		<u>Bridge Bearings</u>				
C.16	1010(2)	75 x 12 mm hard rubber bearing pads supplied & laid over capping beams and under the approach slabs.	80.00	L.m.		
		<u>Miscellaneous</u>				
C.17	1012(1)	20mm Dia. 600mm long stainless steel dowels supplied fixed and grouted at fixed ends as per drawing.	90.00	Nos.		
C.18	1011(1)	25mm Dia. 200mm long hot rolled mild steel dowels supplied fixed and grouted for the approach slab as per drawing.	30.00	Nos.		
C.19	1014(1)	Bituminous sealing felt under approach slabs at capping beam ends to prevent bitumen running on capping beam as per drawing.	17.00	L.m.		
C.20	1014(1)	Bituminous sealing felt under beams at abutments and piers to prevent bitumen running on capping beam as per drawing.	60.00	L.m.		
C.21	1016(1)	Service duct of size 400x350mm. formed in deck (11.5 m span) as per drawing.	46.00	L.m.		
C.22	1016(1)	Service duct of size 635x450mm. formed in deck (16.5 m span) as per drawing.	198.00	L.m.		
C.23	1017(1)	500x400x100mm. thick cover slabs in Class B Grade 25(20) concrete inclusive of light reinforcement and smooth shuttering provided as per drawing.	650.00	Nos.		
C.24	1020(1)	110mm. dia. P.V.C. (type 600) rain water outlets supplied and fixed through deck as per drawing.	72.00	Nos.		
C.25	1020(1)	50mm. dia. P.V.C. (type 600) service duct fixed through deck as per drawing.	41.00	Nos.		
C.26	1303(3)	Painting with enamel Two coat to Hand rails,End pilasters of bridge and guard stones	650.00	m ²		
					Total C/F	

C.27		Stenciling and Numbering on Bridge.	2.00	Nos.	Total B/F	
C.28		Construction 2 Nos. reinforced concrete staircases to access underneath of the bridge	item	P.S	Allow	1,000,000.00
		<u>Tack Coat</u>				
C.29	502(2)	Medium curing cut back bitumen (10-20%) or emulsified bitumen Grade CSS-1 or CSS-1h tack coat applied at the rate of 0.5 litres/m ² to concrete deck surface.	1,275.00	m ²		
		<u>Asphaltic Concrete Surfacing</u>				
C.30	506(1)	Asphaltic Concrete Surfacing compacted to a thickness of 50mm in position.	1,275.00	m ²		
Bill No. 02B Carried to summary						

BILL NO 03

RECONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA ROAD						
Item	Pay Item	Description	Quantity	Unit	Rate	Amount
		<u>CONSTRUCTION OF ROAD</u>				
		(Road work 100m)				
		<u>A. SITE CLEARING</u>				
		<u>Clearing & Grubbing</u>				
A.1	201(1)	- Clearing & Grubbing	1,060.00	m ²		
		<u>Removal of Structures and Obstructions</u>				
A.2		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	1,000,000.00
		<u>B. EARTHWORKS</u>				
		<u>Roadway excavation</u>				
B.1	301(1)	- Roadway excavation in unclassified soil.	255.00	m ³		
B.2	302(2)	Excavation in weathered/soft/decomposed rock.	50.00	m ³		
B.3	302(4)b	Excavation in hard rock.	30.00	m ³		
		<u>Embankment Construction</u>				
B.4	304(2)	Embankment Construction using borrow material of type I compacted in position.	520.00	m ³		
B.5	304(2)	Embankment Construction using borrow material of type II compacted in position.	200.00	m ³		
B.6	304(3)	Trimming Levelling & Compacting of Original ground.	1,060.00	m ²		
		<u>Shoulder Construction</u>				
B.7	409(1)	Shoulder construction using shoulder material and compacted in position.	60.00	m ³		
					Total C/F	

					Total B/F	
<u>C. ROAD PAVEMENT</u>						
<u>Soil Sub Base</u>						
C.1	401(1a)	Soil sub base type I material compacted in position.	148.00	m ³		
<u>Reconstruction of Existing Base</u>						
C.2	408(2a)	Scarifying existing surface as necessary.	450.00	m ²		
<u>Dense Graded Aggregate Base</u>						
C.3	405(1)	Dense graded aggregate base of nominal maximum size 37.5mm for existing carriageway and widening sections to a maximum thickness of 150mm as per drawing.	125.00	m ³		
<u>Prime Coat</u>						
C.4	501(5)	M.C. Cutback bitumen (20-45%) or MC30 or Bituminous emulsion of Grade CSS-1 or CSS 1h applied at the rate of 0.9 -1.5 litre per square meter over the finished dense grade aggregate base.	740.00	m ²		
<u>Tack coat</u>						
C.5	502(2)	M.C. Cutback bitumen (10-20%) or emulsified bitumen Grade CSS-1 or CSS 1h tack coat applied at the rate of 0.5 litre per square meter over the existing surface before applying bitumen bound base regulating course.	740.00	m ²		
<u>Asphaltic Concrete Surfacing</u>						
C.6	506(2)	- Asphaltic Concrete binder course compacted to a thickness of 50mm in position.	92.00	M.T.		
C.7	506(1)	Asphaltic Concrete Surfacing compacted to a thickness of 50mm in position.	740.00	m ²		
<u>Road Marking</u>						
C.8	810(1)	Road Markings in reflectorized thermoplastic paint	70.00	m ²		
<u>Road Sign Boards</u>						
C.9		Reflective sign boards as directed by the Engineer.	P.S	Item	Allow	1,000,000.00
Bill No. 03 Carried to summary						

BILL NO 04

**RECONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE ACROSS KELANI GANGA ON YATIYANTHOTA -
MAGAMMANA ROAD**

Item	Pay Item	Description	Quantity	Unit	Rate	Amount
4		<u>IMPROVEMENT OF RIVER BANK</u>				
4.1	P (009)	Removing of obstruct flow path on downstream left Bank	2,400.00	m3		
4.2		Allow for river bank protection	Item	P.S.	Allow	40,000,000.00
		Bill No. 04 Carried to summary				

**RE-CONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE ACROSS KELANI
GANGA ON YATIYANTHOTA - MAGAMMANA ROAD**

**DAY WORKS, LABOUR & EQUIPMENT
ALL QUANTITIES ARE PROVISIONAL**

LABOUR

Grade of staff	Qty	Unit	Rate	Amount
1. Unskilled Labour	200.00	day		
2. Semi-skilled Labour	100.00	day		
3. Skilled Labour	100.00	day		
4. Operator	100.00	day		
Total				

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	175.00	hrs		
2. Farm Tractor	With 3T trailer	175.00	hrs		
3. Water Bowser	6000 ltrs	175.00	hrs		
4. Concrete Mixer	200 ltrs (10/7)	175.00	hrs		
5. Water Pump	2 inch	175.00	hrs		
6. Pocker Vibrator	1.8 M/hour	175.00	hrs		
7. Truck with Tipper	3 Ton	500.00	km		
8. Plate Compactor	90 kg Tamper Plates	175.00	hrs		
Total					

MATERIALS

Material	Qty	Unit	Rate	Amount
1. Cement Ordinary	200.00	50 kg		
2. Aggregate for concrete (19 mm)	30.00	cu.m.		
3. Sand	30.00	cu.m.		
4. Rubble	30.00	cu.m.		
Total				

SUMMARY OF DAY WORKS

Description	Amount
1. LABOUR	
2. EQUIPMENT	
3. MATERIAL	
Bill No. 05 Carried to summary	

SECTION 9

SCHEDULES

REFERENCE ONLY

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		
	Number		
	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 100.4 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

REFERENCE ONLY

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 08th June 2023 has 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 08th June 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 08th June 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 08th June 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)
<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 non-performance/termination: <i>[indicate main reason(s), attach relevant details]</i> Current Status of Contract: <i>(indicate completed/ongoing/ referred to dispute resolution)</i>	<i>[insert amount]</i>

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

.....
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

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 '**RE-CONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA ROAD(NON RDA) IN KEGALLE DISTRICT'** under Contract No: **RDA/DC/SAB/FD/GOSL/2022/01**

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

Director General,
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 **RE-CONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE ACROSS
KELANI GANGA ON YATIYANTHOTA - MAGAMMANA ROAD(NON RDA) IN
KEGALLE DISTRICT**, under contract No: **RDA/DC/SAB/FD/GOSL/2022/01**

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 **RE-CONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE
ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA ROAD(NON RDA) IN KEGALLE DISTRICT**
Contract No: **RDA/DC/SAB/FD/GOSL/2022/01**.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

REFERENCE ONLY



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



ROAD DEVELOPMENT AUTHORITY

**RECONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE ACROSS
KELANI GANGA ON YATIYANTHOTA – MAGAMMANA ROAD.**

DETAILED DESIGN DRAWINGS

JUNE 2023

**Design Office (Central Province)
Road Development Authority
06B, Samagi Niwasa, Gannoruwa Road
Peradeniya.**

CONTENTS

1. LAYOUT PLAN	- DD/D/CP/SP/B/1201/01(11)
2. PLAN AND PROFILE	- DD/D/CP/SP/B/1201/02(11)
3. PLAN AND ELEVATION	- DD/D/CP/SP/B/1201/03(11)
4. DETAIL OF BORE HOLE LOGS.....	- DD/D/CP/SP/B/1201/04(11)
5. DETAIL OF DOWEL ARRANGEMENT & RETAINING WALL	- DD/D/CP/SP/B/1201/05(11)
6. DETAIL OF CAPPING BEAM, CURTAIN WALL AND BEARING	- DD/D/CP/SP/B/1201/06(11)
7. DETAIL OF EXISTING PIER HEAD & TYPICAL JACKET WALL	- DD/D/CP/SP/B/1201/07(11)
8. DETAIL OF NEW PIER	- DD/D/CP/SP/B/1201/08(11)
9. R/F DETAIL OF PIER.....	- DD/D/CP/SP/B/1201/09(11)
10. DETAIL OF 16.5 AND 11.5 PSC BEAM DECK	- DD/D/CP/SP/B/1201/10(11)
11. STEEL HANDRAIL	- DD/D/CP/SP/B/1201/11(11)

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

POINT	EAST (X)	NORTH(Y)
TBM 1	447115.846	502963.665
TBM 2	447109.644	503034.251
TBM 3	447113.153	503137.071
TBM 4	446876.301	503000.162
TBM 5	446840.159	503007.414

SETTING OUT COORDINATE		
POINT	EAST (X)	NORTH(Y)
A1	447070.1995	503054.1806
EP-1	447060.3192	503051.2878
NP-1	447044.7044	503046.7162
EP-2	447029.0656	503042.1374
NP-2	447013.5055	503037.5817
EP-3	446997.9234	503033.0195
NP-3	446982.4145	503028.4788
EP-4	446966.8953	503023.9351
A2	446957.0269	503021.0458





PLAN
SCALE 1: 1000

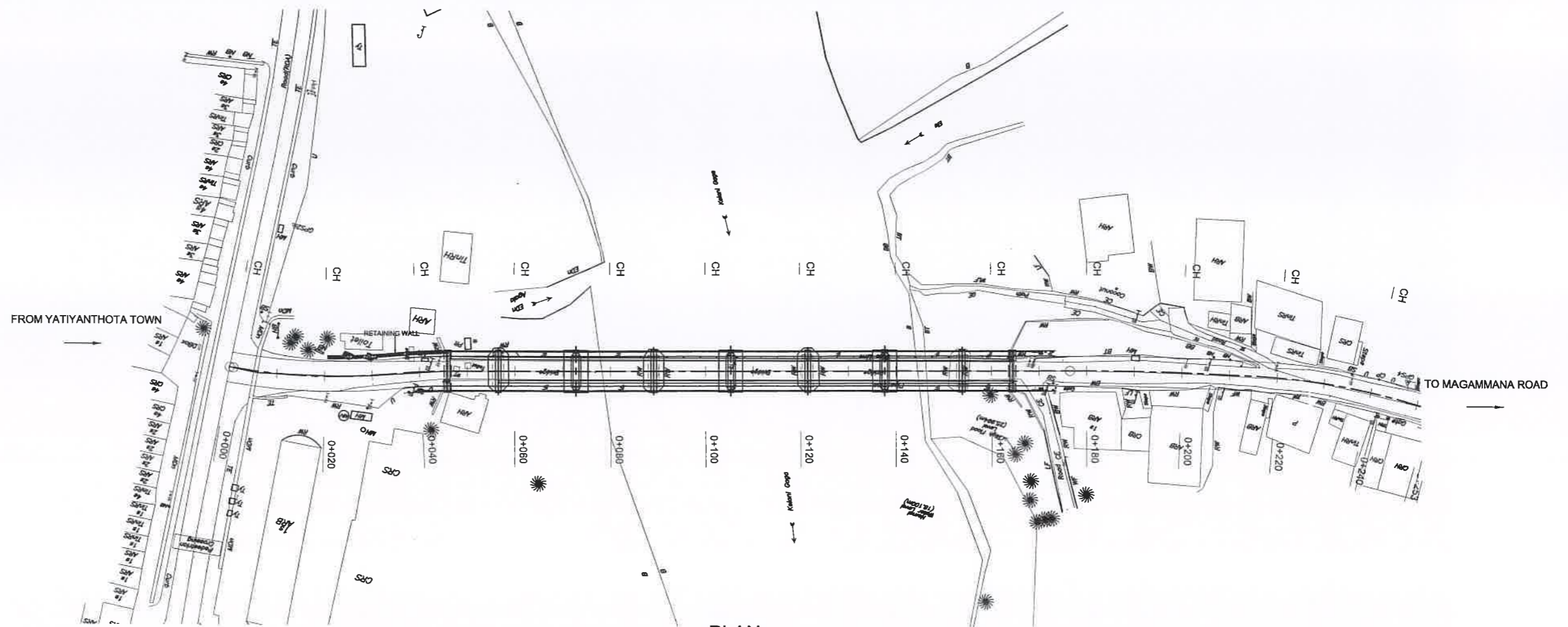
**RECONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE
ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA
ROAD**

LAYOUT PLAN SCALE -

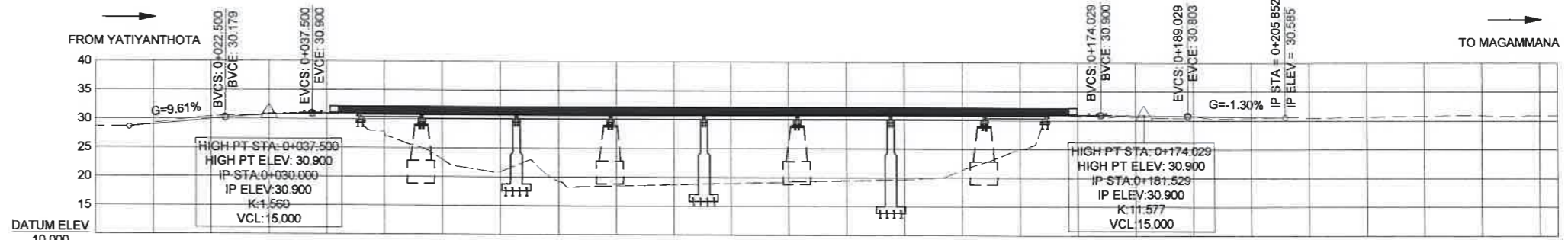
REV	DESCRIPTION	BY	DATE
00	TENDER ISSUE	RDA	20.05.2023

 DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF TRANSPORT & HIGHWAYS			DESIGN OFFICE (C.P.), ROAD DEVELOPMENT AUTHORITY 06B, SAMAGI NIWASA, GANNORUWA RD, PERADENIYA TEL : 0813146910 FAX : 0812388997 email : docp@rda.gov.lk
SURVEYED & PLOTTED :	DESIGNED : L. G. A. LIYANAGE		DRAWN : H.A.D. PADMIKA
C.E. (DESIGN): S. KUMARA ARACHCHI	A.D.D.(DESIGN) L.V.S.WEERAKOON	DATE : 16-11-2021 DRG.No. : DD/D/CP/SP/B/1201/01 (11)	

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



PLAN
SCALE 1: 1000



CHAINAGE	Ch0+010	Ch0+020	Ch0+030	Ch0+040	Ch0+050	Ch0+060	Ch0+070	Ch0+080	Ch0+090	Ch0+100	Ch0+110	Ch0+120	Ch0+130	Ch0+140	Ch0+150	Ch0+160	Ch0+170	Ch0+180	Ch0+190	Ch0+200	Ch0+210	Ch0+220	Ch0+230	Ch0+240	Ch0+250
FINISHED GROUND LEVEL	28.977	29.939	30.720	30.900	30.900	30.900	30.900	30.900	30.900	30.900	30.900	30.900	30.900	30.900	30.900	30.900	30.900	30.885	30.790	30.661					
EXISTING GROUND LEVEL	29.203	30.381	30.772	30.805	27.850	23.047	20.944	19.326	18.462	18.712	18.962	19.213	19.463	19.732	21.381	24.873	30.712	30.687	30.620	30.439	30.523	30.665	30.796	30.876	30.876
HORIZONTAL GEOMETRY	R=125.00 0+000.83 0+033.51		R=125.00 0+035.38 0+046.29														R=525.00 0+176.55 0+205.85		R=140.00 0+215.41 0+248.48						
VERTICAL GEOMETRY	G=9.61%		V.C.L.=15.00 K=1.56		G=0.00%												V.C.L.=15.00 K=11.58		G=-1.30%						

ELEVATION
SCALE 1: 1000

**RECONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE
ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA
ROAD**

PLAN AND PROFILE

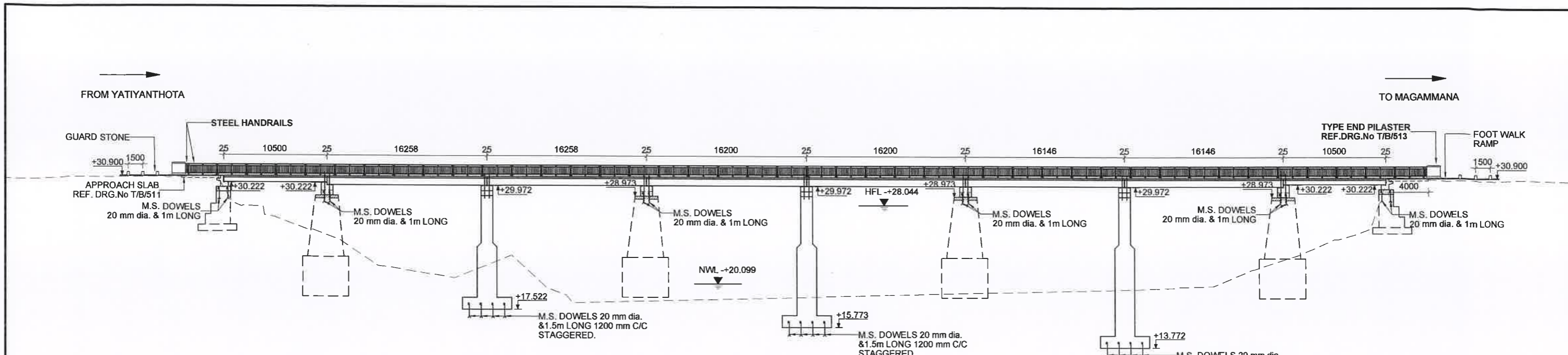
SCALE -

REV	DESCRIPTION	BY	DATE
00	TENDER ISSUE	RA	26.05.2023

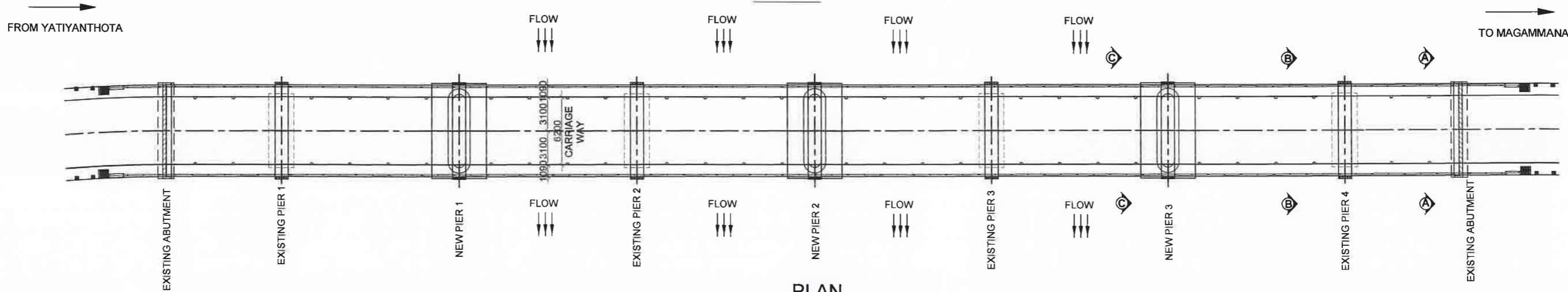
DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF TRANSPORT & HIGHWAYS

SURVEYED & PLOTTED :	DESIGNED : L. G. A. LIYANAGE	DRAWN : H.A.D. PADMIKA	CHECKED : S. KUMARA ARACHCHI
C.E. (DESIGN) : S. KUMARA ARACHCHI	A.D.D.(DESIGN) L.V.S.WEERAKOON		DATE : 16-11-2021 DRG.No. : DD/D/CP/SP/B/1201/02 (11)

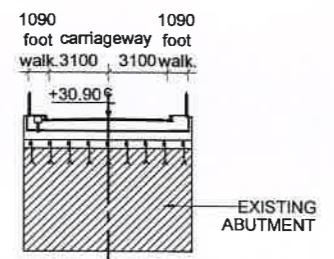
DESIGN OFFICE (C.P.),
ROAD DEVELOPMENT AUTHORITY
06B, SAMAGI NIWASA, GANNORUWA RD, PERADENIYA
TEL : 0813146910 FAX : 0812388997 email : docp@rdia.gov.lk



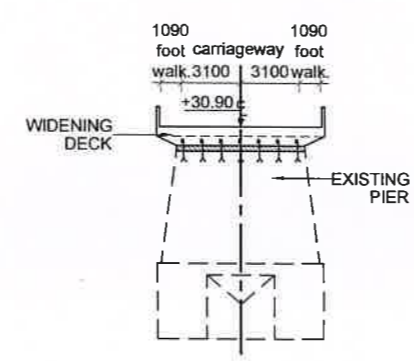
ELEVATION
SCALE 1: 400



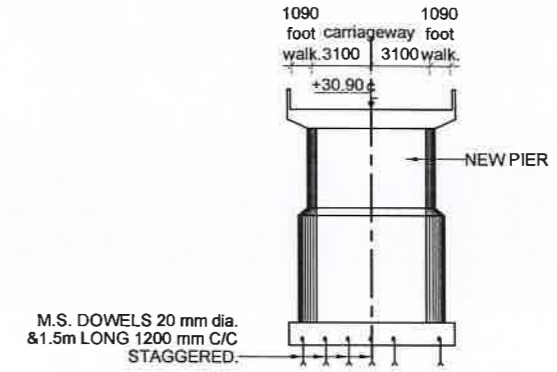
PLAN
SCALE 1: 400



SECTIONAL ELEVATION A - A
SCALE 1: 400



SECTIONAL ELEVATION B - B
SCALE 1: 400



SECTIONAL ELEVATION C - C
SCALE 1: 400

**RECONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE
ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA
ROAD**

PLAN AND ELEVATION SCALE -

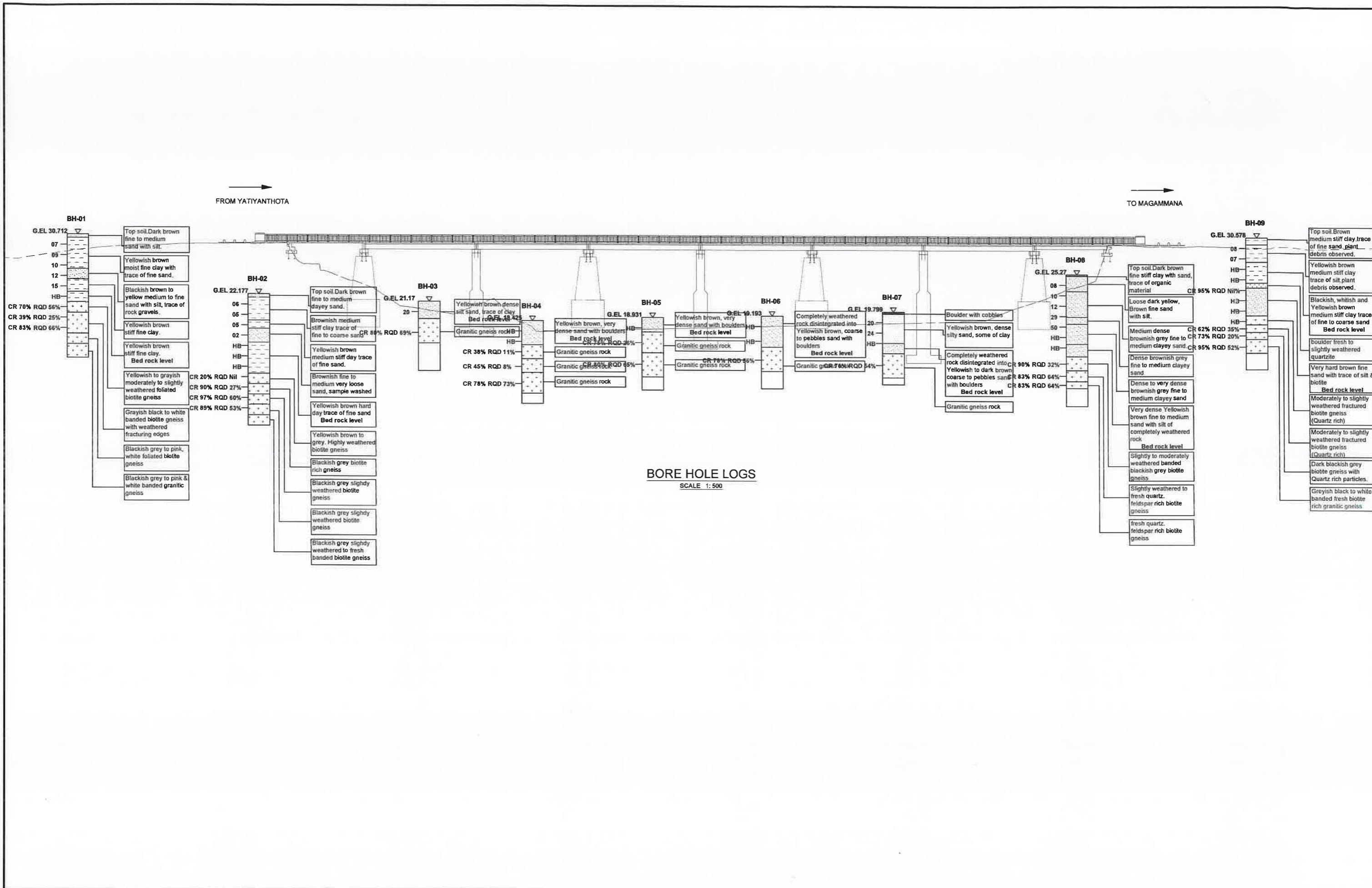
REV	DESCRIPTION	BY	DATE
00	TENDER ISSUE	ADA	28.05.2023

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF TRANSPORT & HIGHWAYS

SURVEYED & PLOTTED:	DESIGNED: L. G. A. LIYANAGE	DRAWN: H.A.D. PADMIKA
C.E. (DESIGN): S. KUMARA ARACHCHI	A.D.D. (DESIGN) L.V.S. WEERAKOON	CHECKED: S. KUMARA ARACHCHI

DESIGN OFFICE (C.P.),
ROAD DEVELOPMENT AUTHORITY
06B, SAMAGI NIWASA, GANNORUWA RD, PERADENIYA
TEL : 0813146910 FAX : 0812388997 email : docp@rda.gov.lk

CHECKED: S. KUMARA ARACHCHI	DATE: 16-11-2021
DRG.No.: DD/D/CP/SP/B/1201/03 (11)	

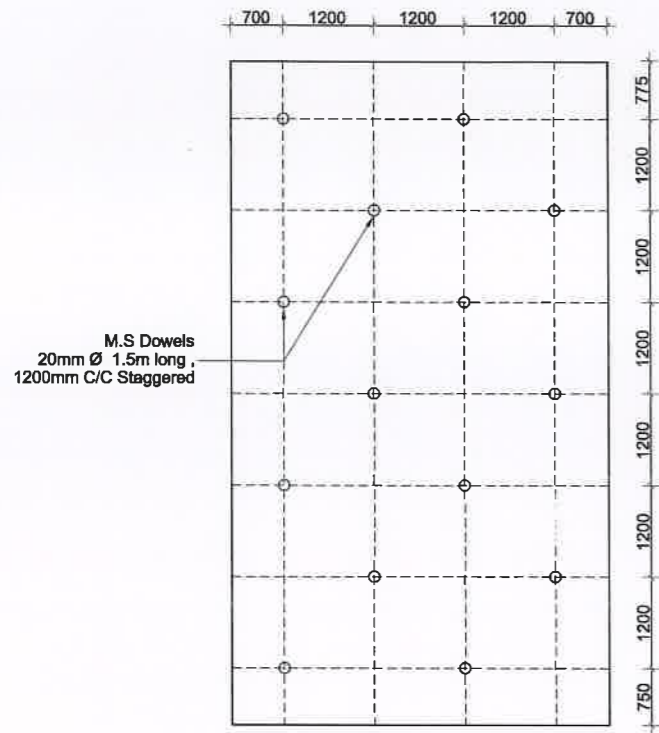


RECONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA ROAD

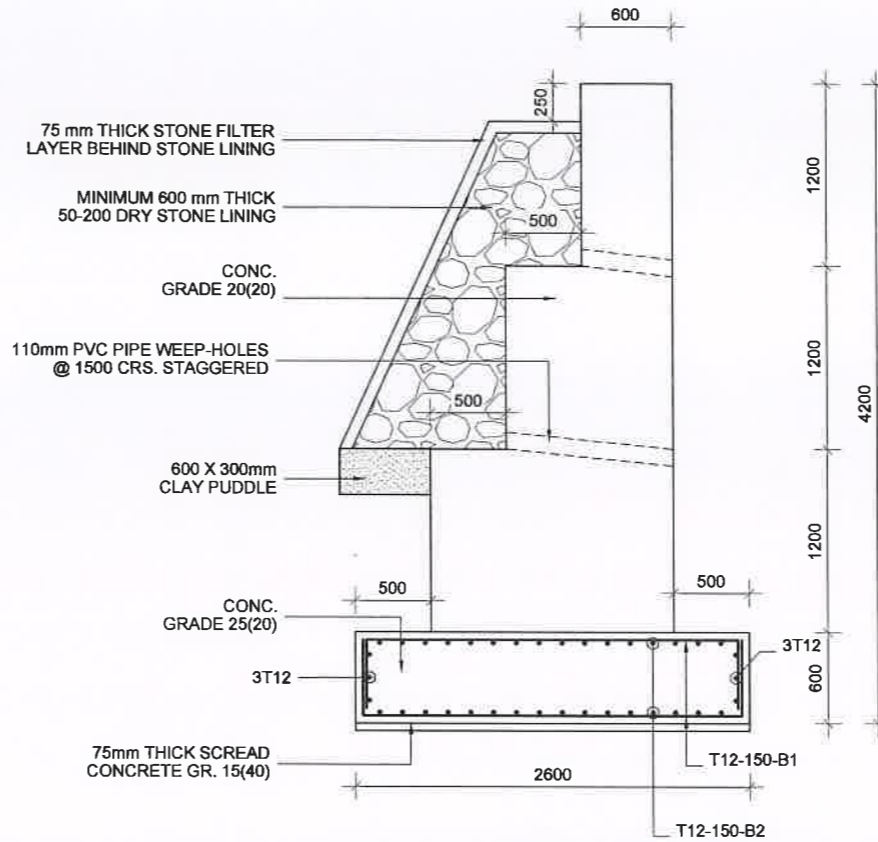
DETAIL OF BORE HOLE LOGS SCALE -

REV	DESCRIPTION	BY	DATE
00	TENDER ISSUE	RDA	28.05.2023

DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF TRANSPORT & HIGHWAYS		DESIGN OFFICE (C.P.), ROAD DEVELOPMENT AUTHORITY 06B, SAMAGI NIWASA, GANNORUWA RD, PERADENIYA TEL : 0813146910 FAX : 0812388997 email : docp@rda.gov.lk		
SURVEYED & PLOTTED :		DESIGNED : L. G. A. LIYANAGE	DRAWN : H.A.D. PADMIKA	CHECKED : S. KUMARA ARACHCHI
C.E. (DESIGN) : S. KUMARA ARACHCHI		A.D.D.(DESIGN) L.V.S.WEERAKOON	DATE : 16-11-2021 DRG.No. : DD/DCP/SP/B/1201/04 (11)	



**DETAIL OF DOWEL ARRANGEMENT
(NEW PIER)**
SCALE 1:100



**DETAIL OF RETAINING WALL
(YATIYANTHOTA END)**
SCALE - 1 : 50

NOTE:

- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE STATED.
- DIMENSIONS SHALL NOT BE OBTAIN BY SCALENING.
- ALL WORKMANSHIP AND MATERIALS ARE TO BE ACCORDANCE WITH THE REQUIREMENT OF THE SPECIFICATION AND BY LAWS OF THE AUTHORITY.
- WEEP HOLES TO BE PROVIDED AT 1.5M C/C STAGGERED USING 110 MM DIA. TYPE 600 PVC PIPES.
- ADDITIONAL WEEP HOLES ARE TO BE PROVIDED IF NECESSARY TO SUIT SITE CONDITION.
- 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.
- 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.
- 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.
- CLEAR CONCRETE COVER FOR REINFORCEMENT SHOULD BE 50 MM UNLESS OTHERWISE SPECIFIED.
- REINFORCEMENT BARS SHALL BE BENT ACCORDANCE WITH STANDARD SPECIFICATIONS.
- FOUNDATION SHALL BE REST ON THE ROCK AND ADEQUATE INVESTIGATION SHALL BE CONDUCTED (DCP OR EQUIVALENT) BEFORE DECIDING THE FORMATION LEVELS AND SUBJECTED TO ENGINEER'S APPROVAL.
- DOWEL TO BE PROVIDED ONLY IF REQUIRE AS PER SITE CONDITION AND SUBJECTED TO ENGINEER APPROVAL.
- SCREED CONCRETE IS USED ONLY IN ABSENT OF ROCK SURFACE.
- DESIGN BEARING CAPACITY FOR PIER FOUNDATION 325kN/m²

**GRADES OF CONCRETE
ABUTMENTS**

- | | | |
|----|-------------|---------------|
| 1. | SCREED | -GRADE 15(40) |
| 2. | POCKET FILL | -GRADE 30(20) |
| 3. | BASE | -GRADE 30(20) |
| 4. | STEM | -GRADE 30(20) |

PIER

- | | | |
|----|-------------|---------------|
| 1. | SCREED | -GRADE 15(40) |
| 2. | POCKET FILL | -GRADE 30(20) |
| 3. | BASE | -GRADE 30(20) |
| 4. | STEM | -GRADE 30(20) |

RETAINING WALL

- | | | |
|----|--------|---------------|
| 1. | SCREED | -GRADE 15(40) |
| 2. | BASE | -GRADE 25(20) |
| 3. | STEM | -GRADE 20(20) |

DECK

- | | | |
|----|-----------|---------------|
| 1. | DECK | -GRADE 40(20) |
| 2. | FOOT WALK | -GRADE 40(20) |

OTHER

- | | | |
|----|---------------|---------------|
| 1. | APPROACH SLAB | -GRADE 25(20) |
|----|---------------|---------------|

**RECONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE
ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA
ROAD**

REV	DESCRIPTION	BY	DATE
00	TENDER ISSUE	RDA	26.05.2023



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF TRANSPORT & HIGHWAYS



DESIGN OFFICE (C.P.),
ROAD DEVELOPMENT AUTHORITY
06B, SAMAGI NIWASA, GANNORUWA RD, PERADENIYA
TEL : 0813146910 FAX : 0812388997 email : docp@rda.gov.lk

SURVEYED & PLOTTED :

DESIGNED :
L. G. A. LIYANAGE

DRAWN :
H.A.D. PADMIKA

CHECKED :
S. KUMARA ARACHCHI

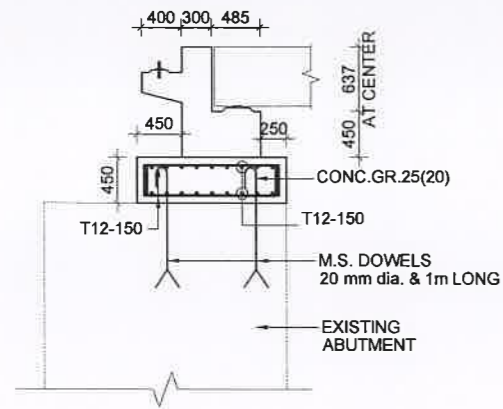
C.E. (DESIGN) :
S. KUMARA ARACHCHI

A.D.D. (DESIGN)
L.V.S. WEERAKOON

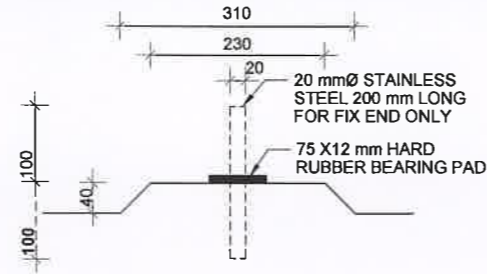
DATE : 16-11-2021
DRG.No. : DD/DCP/SP/B/1201/05 (11)

DETAIL OF DOWEL ARRANGEMENT & RETAINING WALL

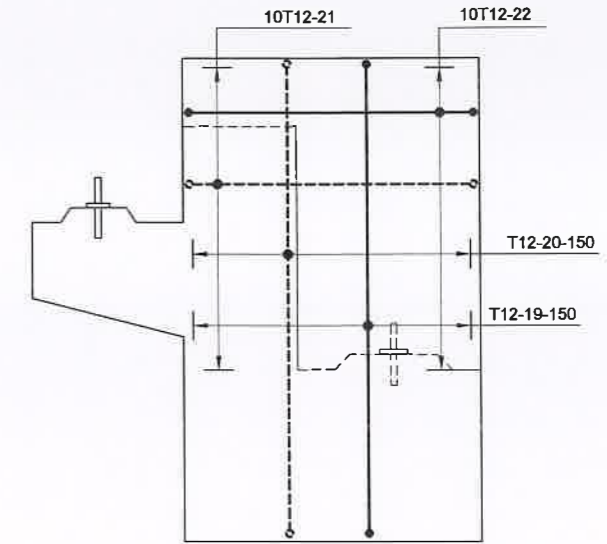
SCALE -



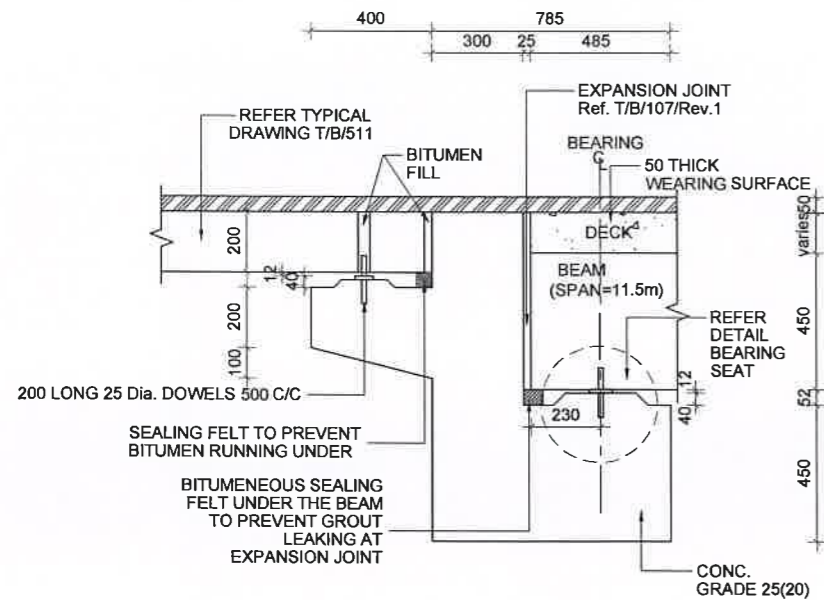
SECTION Z - Z
SCALE - 1 : 75



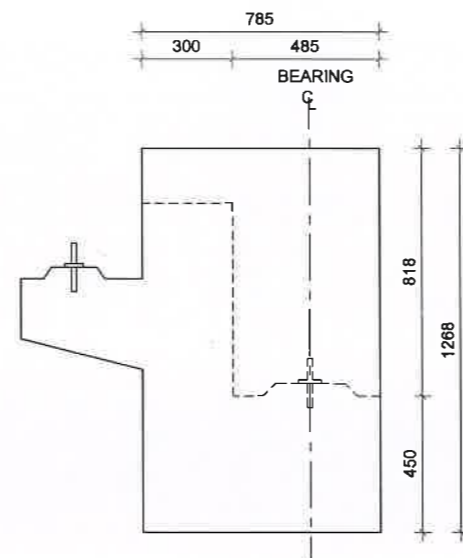
DETAILS OF BEARING SEAT
SCALE- 1:10



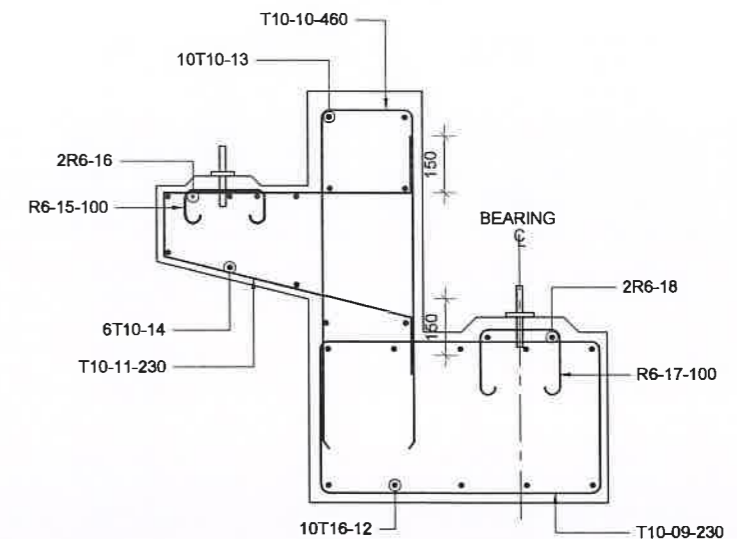
R/F DETAILS OF CURTAIN WALL
SCALE- 1:20



DETAILS OF CAPPING BEAM
SCALE- 1:25



DETAILS OF CURTAIN WALL
SCALE- 1:25



R/F DETAILS OF CAPPING BEAM
SCALE- 1:20

**RECONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE
ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA
ROAD**

DETAIL OF CB, CURTAIN WALL AND BEARING

SCALE -

REV	DESCRIPTION	BY	DATE
00	TENDER ISSUE	RDA	28.05.2023



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF TRANSPORT & HIGHWAYS



DESIGN OFFICE (C.P.),
ROAD DEVELOPMENT AUTHORITY
06B, SAMAGI NIWASA, GANNORUWA RD, PERADENIYA
TEL : 0813146910 FAX : 0812388997 email : docp@rda.gov.lk

SURVEYED & PLOTTED :

DESIGNED :
L. G. A. LIYANAGE

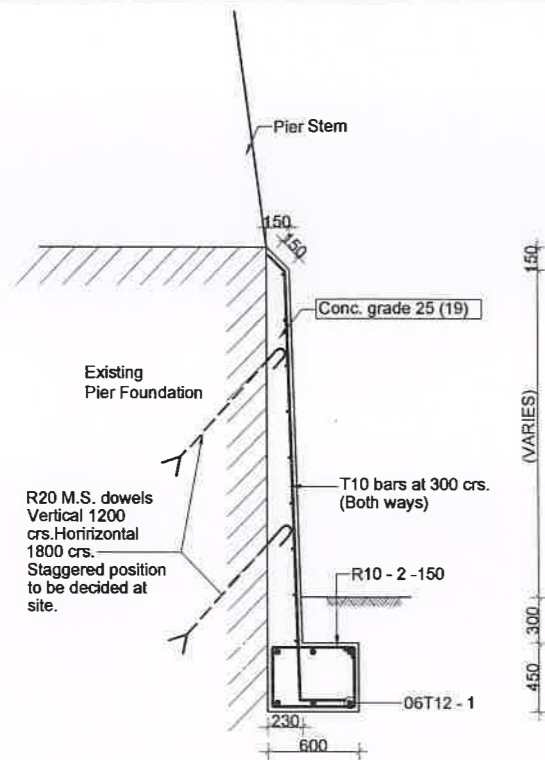
DRAWN :
H.A.D. PADMIKA

CHECKED :
S. KUMARA ARACHCHI

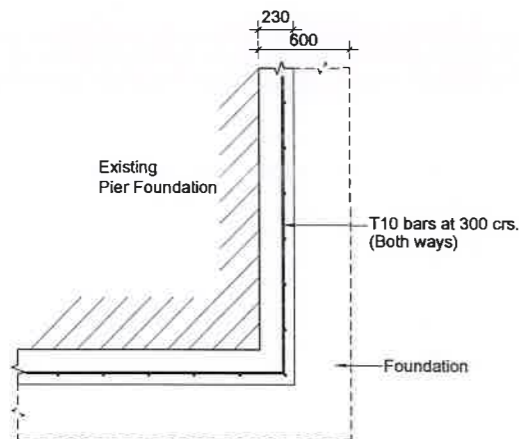
C.E. (DESIGN)
S. KUMARA ARACHCHI

A.D.D.(DESIGN)
L.V.S.WEERAKOON

DATE : 16-11-2021
DRG.No. : DD/D/CP/SP/B/1201/06(11)



TYPICAL C.S. OF JACKET WALL FOR PIER No 2 & 3 STRENGTHENING
SCALE- 1:50

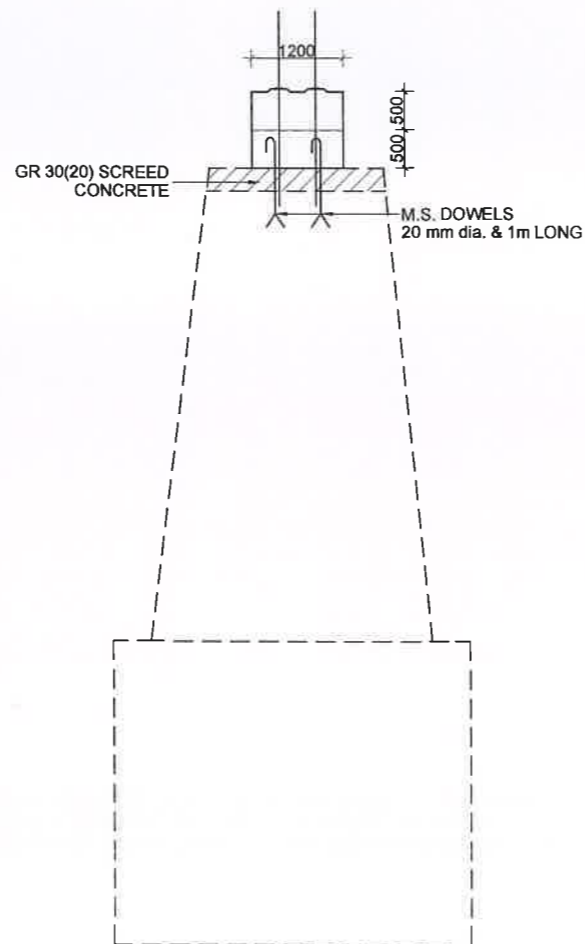


TYPICAL SECTIONAL PLAN OF JACKET WALL FOR PIER No 2 & 3 STRENGTHENING

SCALE- 1:50

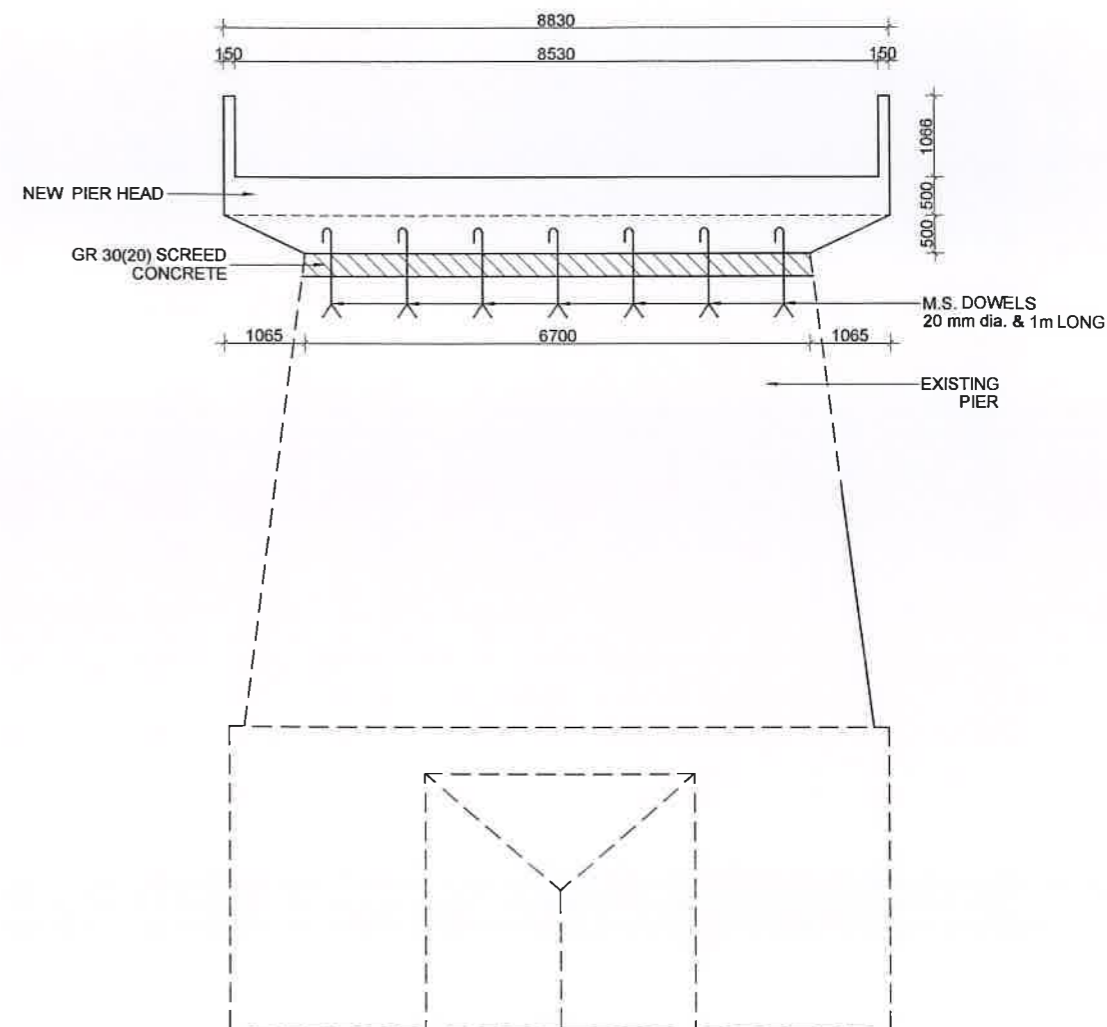
NOTES

- The sketch for the jacket wall construction could be adopted for existing piers in which minor cracks or loosened mortar joints (in case of stone masonry) are found. This detail is not suitable when there is a major structured failure.
- Foundation base for the jacket wall construction should not be laid beyond the depth of existing foundation of the pier or as directed by engineer @ site. Suitable protective methods should be made to the existing structure during the excavation for the jacket wall base and inserting dowels to the existing structure.
- In constructing the base for the jacket wall it should be ensured not to lay the foundation on loose soil.



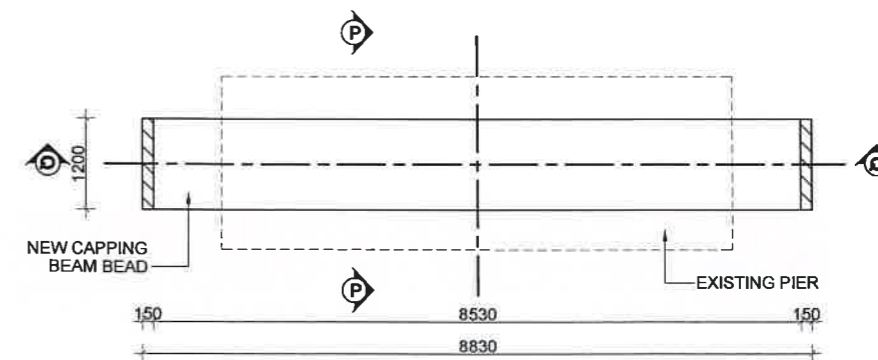
SECTION P - P SIDE ELEVATION OF PIER

SCALE 1:100



SECTION Q - Q ELEVATION OF PIER

SCALE 1:100



PIER PLAN

SCALE 1:100

RECONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA ROAD

DETAIL OF EXISTING PIER HEAD & TYPICAL JACKET WALL

SCALE -

REV	DESCRIPTION	BY	DATE
00	TENDER ISSUE	RDA	28.05.2023



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF TRANSPORT & HIGHWAYS



DESIGN OFFICE (C.P.),
ROAD DEVELOPMENT AUTHORITY
06B, SAMAGI NIWASA, GANNORUWA RD, PERADENIYA
TEL : 0813148910 FAX : 0812388997 email : docp@rda.gov.lk

SURVEYED & PLOTTED :

DESIGNED :

DRAWN :

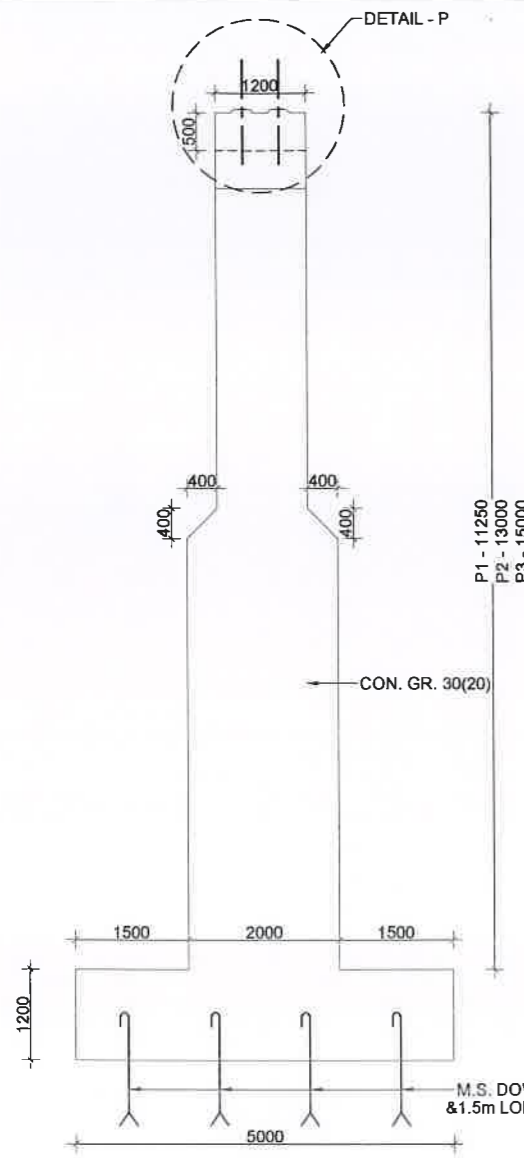
CHECKED :

C.E. (DESIGN) : S. KUMARA ARACHCHI

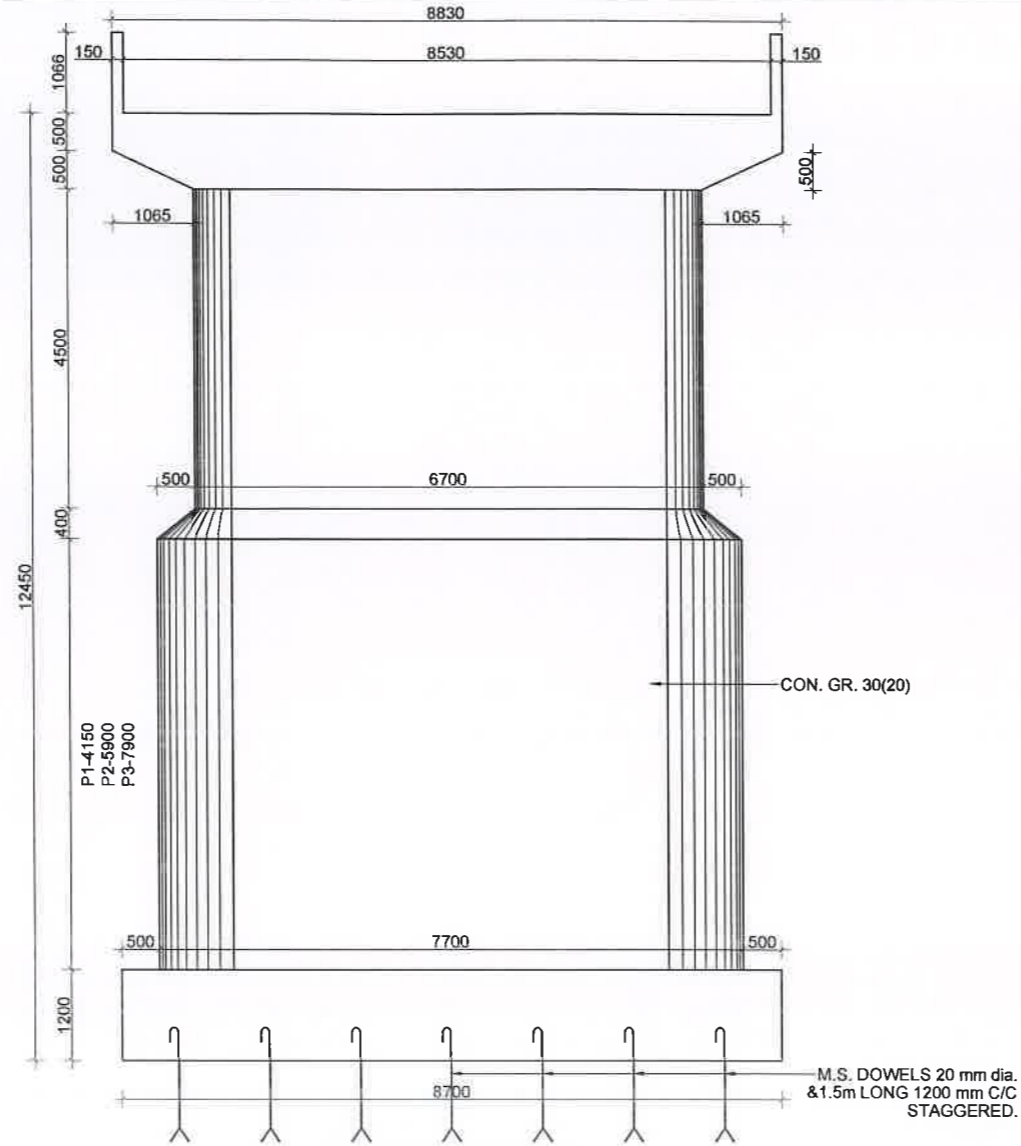
A.D.D. (DESIGN) : L.V.S. WEERAKOON

DATE : 16-11-2021

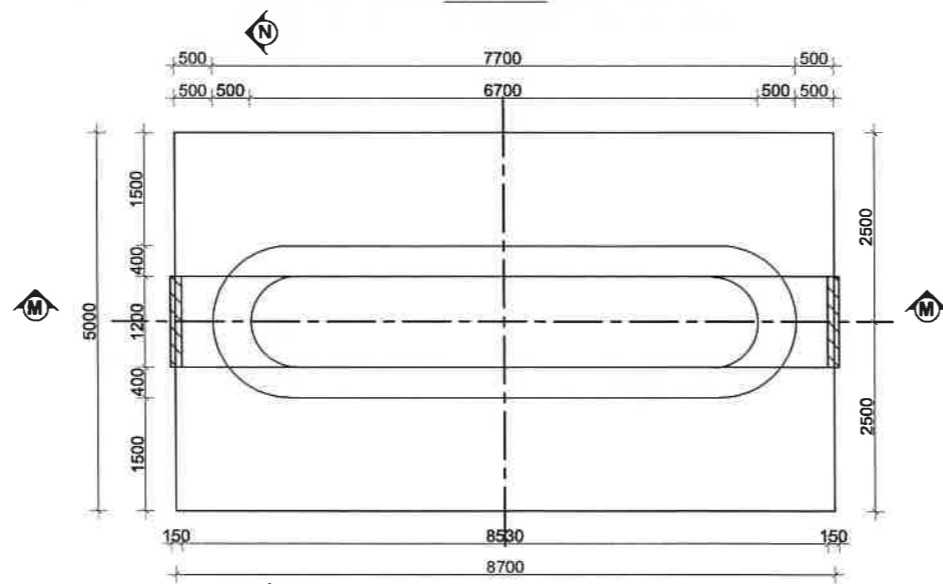
DRG.No. : DD/D/CP/SP/B/1201/07 (11)



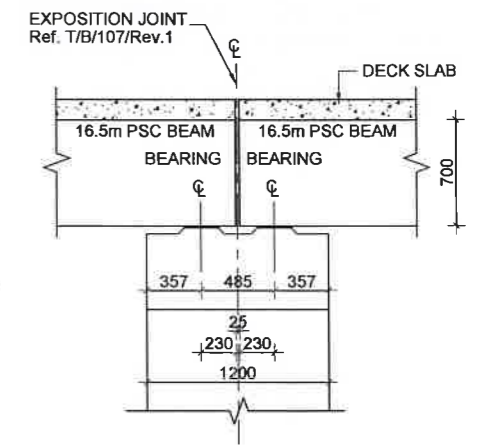
SECTION N - N
SIDE ELEVATION OF PIER
SCALE 1:100



SECTION M - M
ELEVATION OF PIER
SCALE 1:100



PIER PLAN
SCALE 1:100



DETAILS AT - P
SCALE 1:50

**RECONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE
ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA
ROAD**

REV	DESCRIPTION	BY	DATE
00	TENDER ISSUE	RDA	26.05.2023



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF TRANSPORT & HIGHWAYS



DESIGN OFFICE (C.P.),
ROAD DEVELOPMENT AUTHORITY
06B, SAMAGI NIWASA, GANNORUWA RD, PERADENIYA
TEL : 0813146910 FAX : 0812388997 email : docp@rda.gov.lk

SURVEYED & PLOTTED :

DESIGNED :
L. G. A. LIYANAGE

DRAWN :
H.A.D. PADMIKA

CHECKED :
S. KUMARA ARACHCHI

C.E. (DESIGN) :
S. KUMARA ARACHCHI

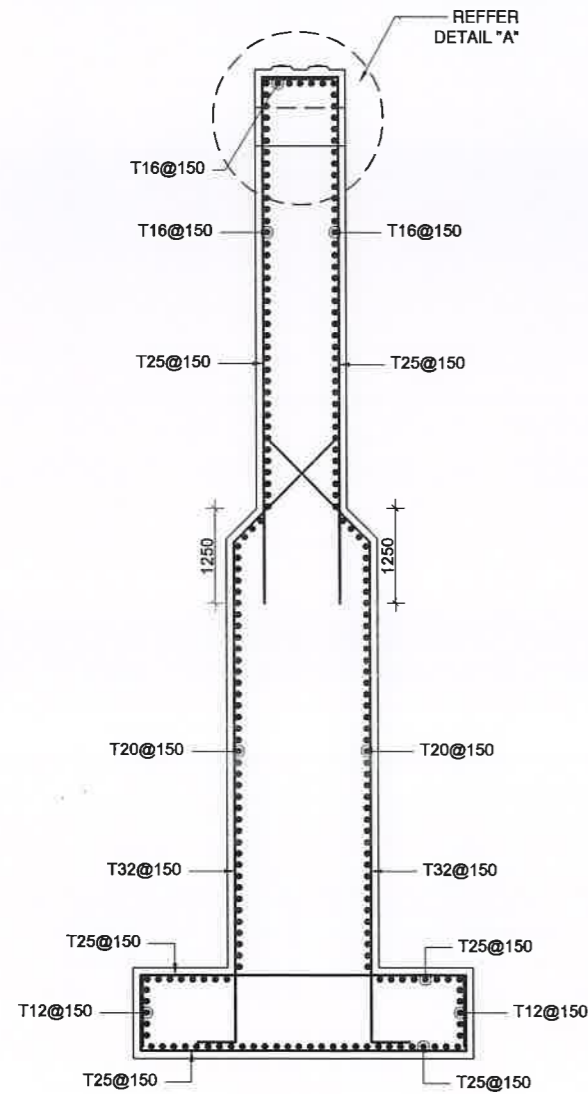
A.D.D. (DESIGN)
L.V.S. WEERAKOON

DATE : 16-11-2021

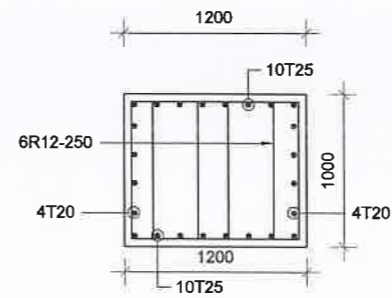
DRG.No. : DD/D/CP/SP/B/1201/08 (11)

DETAIL OF NEW PIER

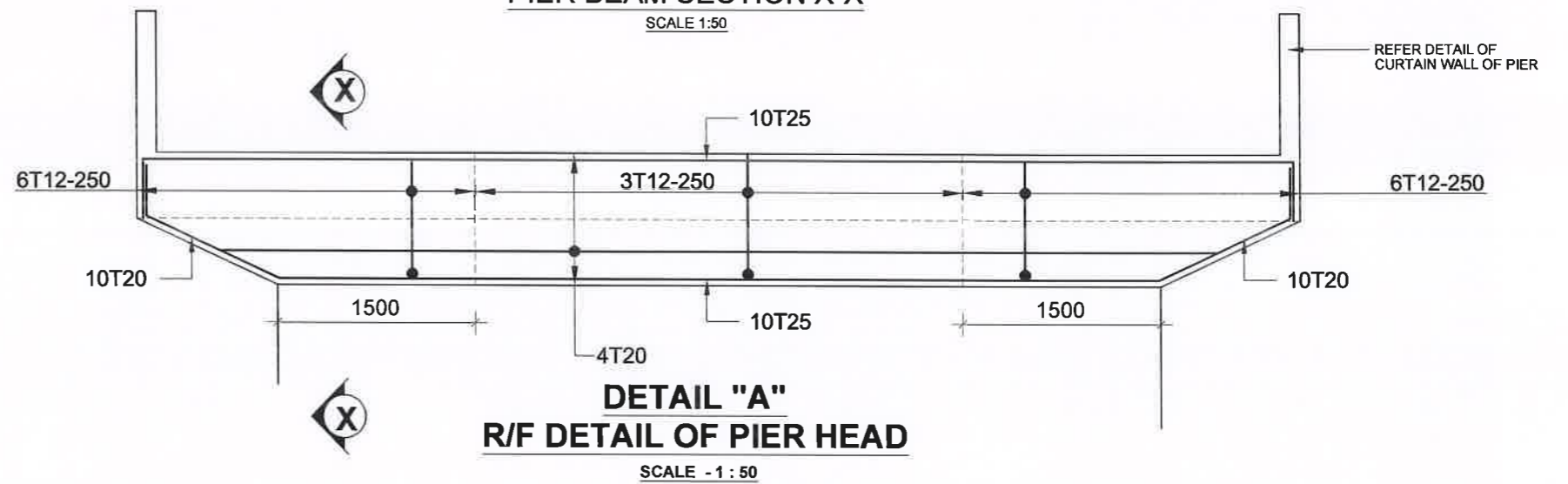
SCALE -



R/F DETAIL OF SIDE ELEVATION OF PIER
SCALE 1:100



PIER BEAM SECTION X-X
SCALE 1:50



DETAIL "A"
R/F DETAIL OF PIER HEAD
SCALE - 1 : 50

**RECONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE
ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA
ROAD**

R/F DETAIL OF PIER

SCALE -

REV	DESCRIPTION	BY	DATE
00	TENDER ISSUE	RDA	26.05.2023



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF TRANSPORT & HIGHWAYS



DESIGN OFFICE (C.P.),
ROAD DEVELOPMENT AUTHORITY
06B, SAMAGI NIWASA, GANNORUWA RD, PERADENIYA
TEL : 0813146910 FAX : 0812388967 email : docp@rda.gov.lk

SURVEYED & PLOTTED :

DESIGNED :
L. G. A. LIYANAGE

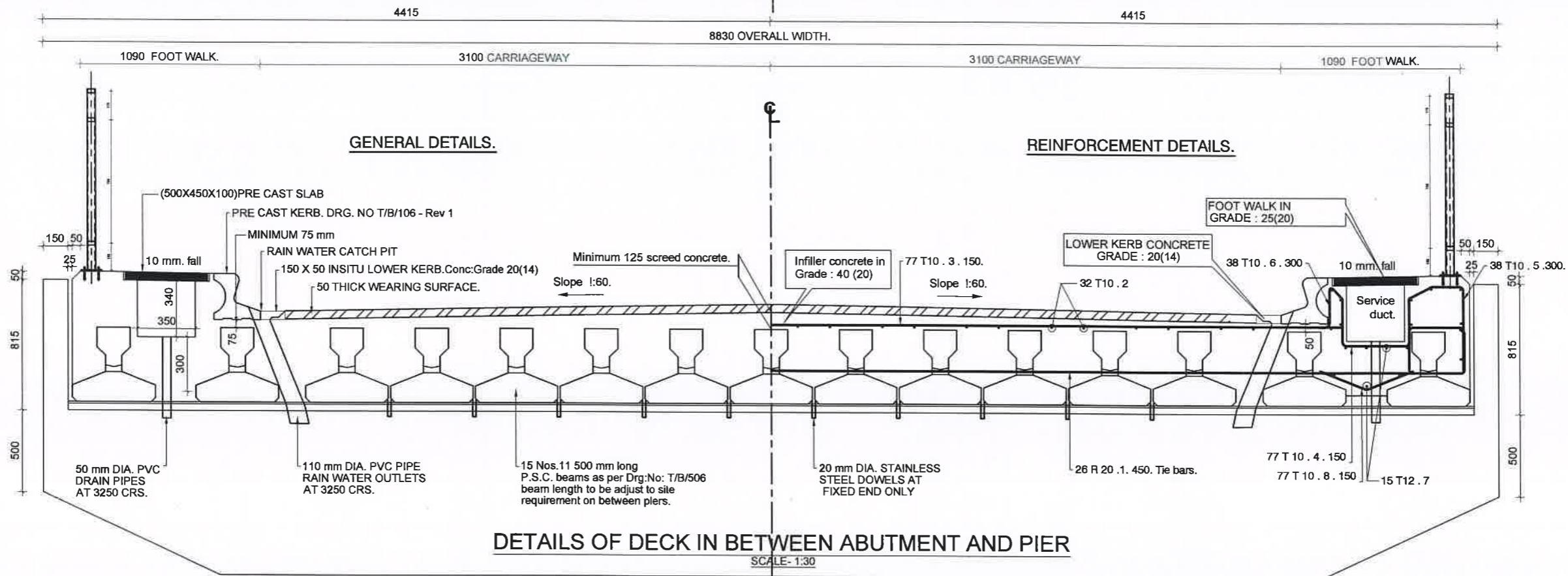
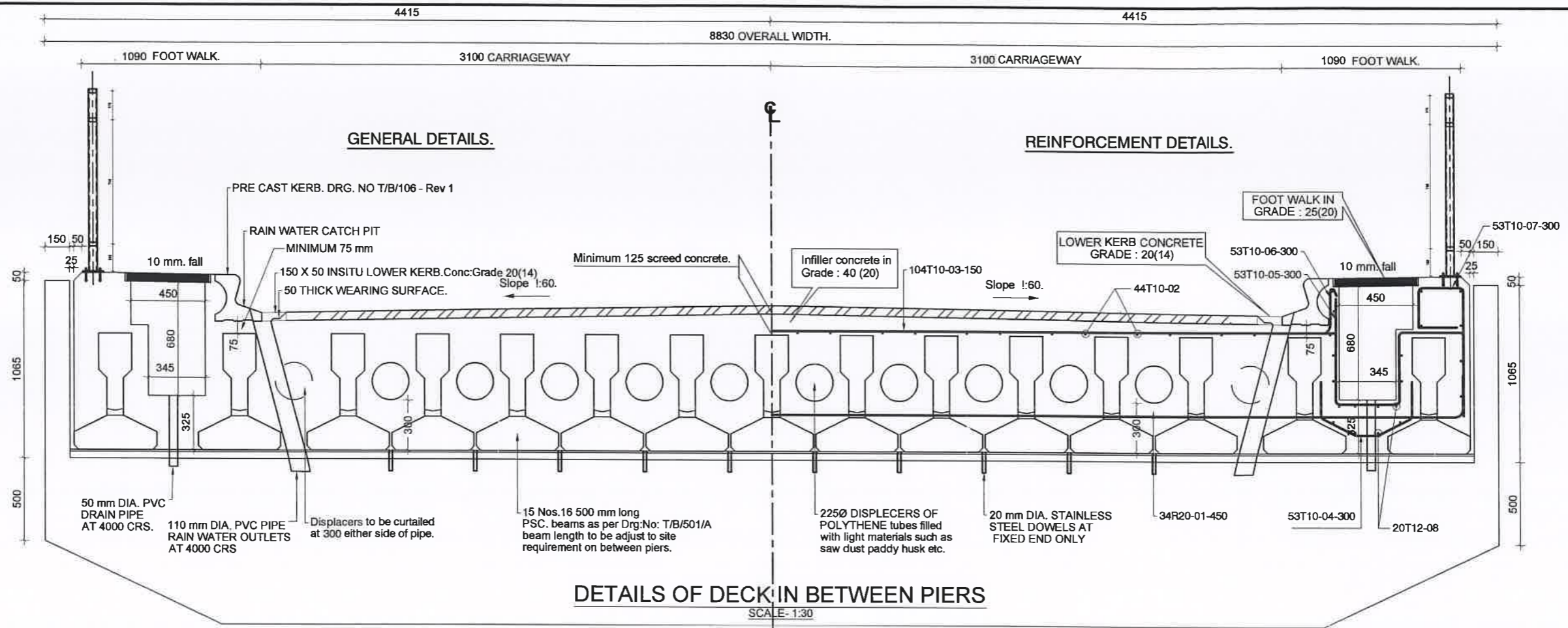
DRAWN :
H.A.D. PADMIKA

CHECKED :
S. KUMARA ARACHCHI

C.E. (DESIGN) :
S. KUMARA ARACHCHI

A.D.D. (DESIGN)
L.V.S. WEERAKOON

DATE : 16-11-2021
DRG.No. : DD/D/CP/SP/B/1201/09 (11)



**RECONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE
ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA
ROAD**

DETAIL OF 16.5 AND 11.5 PSC BEAM DECK

SCALE -

REV	DESCRIPTION	BY	DATE
00	TENDER ISSUE	RDA	26.05.2023



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF TRANSPORT & HIGHWAYS



DESIGN OFFICE (C.P.),
ROAD DEVELOPMENT AUTHORITY
06B, SAMAGI NIWASA, GANNORUWA RD, PERADENIYA
TEL : 0813146910 FAX : 0812388997 email : docp@rda.gov.lk

SURVEYED & PLOTTED :

DESIGNED :

DRAWN :

CHECKED :

C.E. (DESIGN) : S. KUMARA ARACHCHI

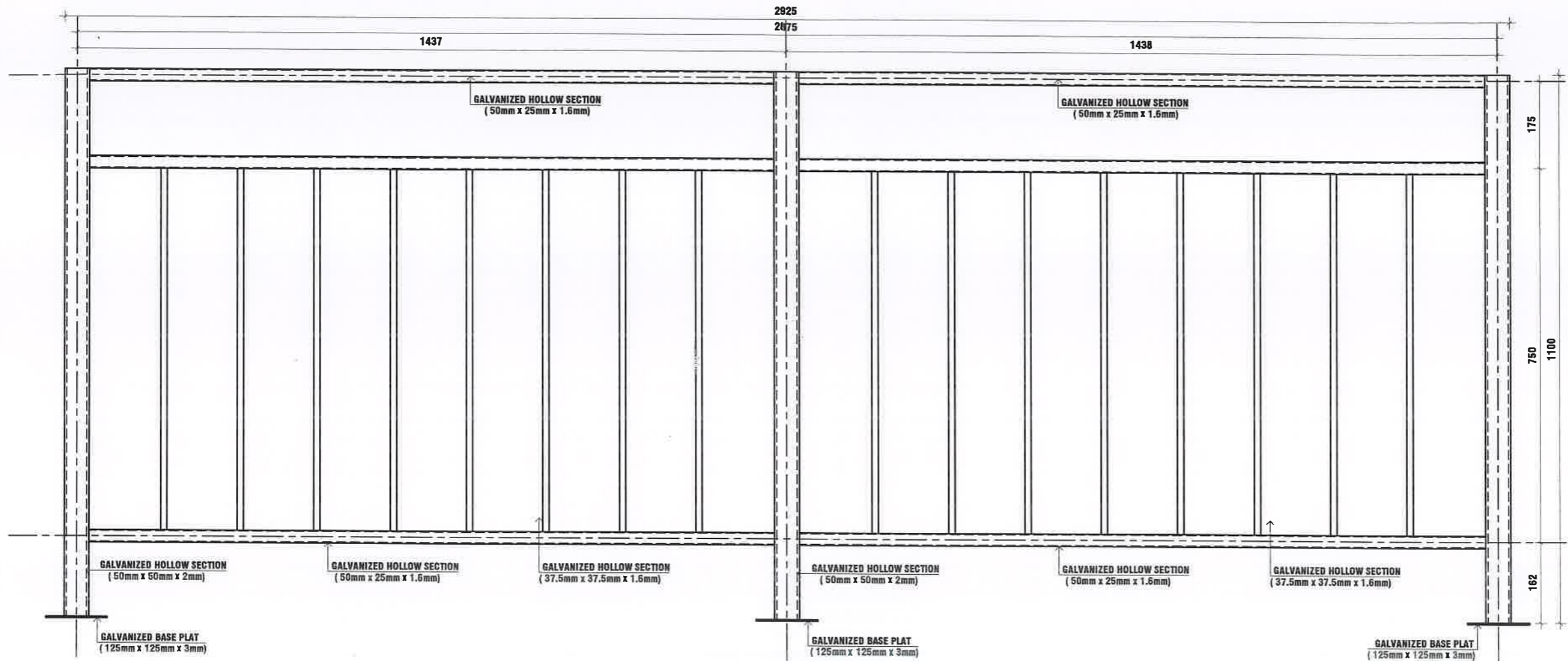
A.D.D. (DESIGN) : L.V.S. WEERAKOON

H.A.D. PADMIKA

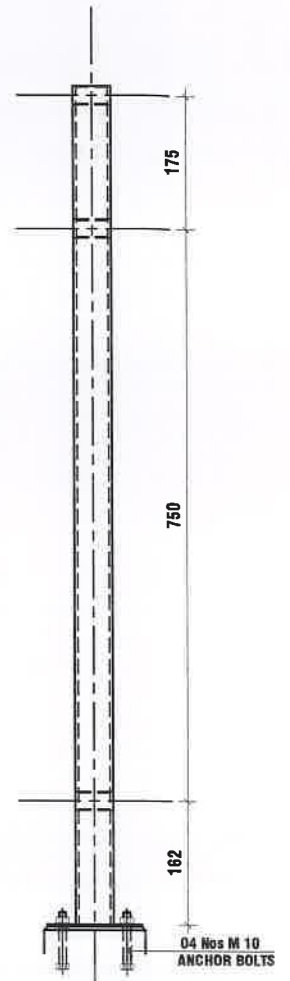
S. KUMARA ARACHCHI

DATE : 16-11-2021

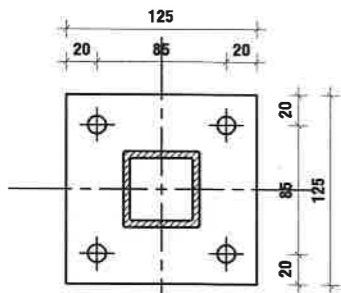
DRG.No. : DD/DCP/SP/B/1201/10 (11)



DETAILS OF SIDE VIEW
SCALE -1:10



DETAILS OF PLANTED POST
SCALE -1:10



DETAILS OF BASE PLATE
SCALE -1:5

**RECONSTRUCTION OF YATIYANTHOTA GARAGODA BRIDGE
ACROSS KELANI GANGA ON YATIYANTHOTA - MAGAMMANA
ROAD**

REV	DESCRIPTION	BY	DATE
00	TENDER ISSUE	RDA	26.05.2023



DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA
MINISTRY OF TRANSPORT & HIGHWAYS



DESIGN OFFICE (C.P.),
ROAD DEVELOPMENT AUTHORITY
06B, SAMAGI NIWASA, GANNORUWA RD, PERADENIYA
TEL : 0813146910 FAX : 0812388997 email : docp@rda.gov.lk

SURVEYED & PLOTTED :

DESIGNED :
L. G. A. LIYANAGE

DRAWN :
H.A.D. PADMIKA

CHECKED :
S. KUMARA ARACHCHI

C.E. (DESIGN):
S. KUMARA ARACHCHI

A.D.D.(DESIGN)
L.V.S.WEERAKOON

DATE : 16-11-2021

DRG.No. : DD/D/CP/SP/B/1201/11 (11)

STEEL HANDRAIL

SCALE -