# DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF TRANSPORT & HIGHWAYS

#### ROAD DEVELOPMENT AUTHORITY



### **BIDDING DOCUMENT**

#### **FOR**

RECONSTRUCTION OF BRIDGE NO. 9/1 ON PELAWATTA – KANKOTIYAWATTA – THINIYAWALA – MORAWAKKA ROAD (B 363)

CONTRACT NO: RDA/RM&M/WP/GOSL(WB)/2024/14

BID SUBMITTED BY
[Name of the Bidder]

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## **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 (former ICTAD): -

STANDARD BIDDING DOCUMENT

PROCUREMENT OF WORKS

SECOND EDITION – JANUARY 2007 with addendum issued in October 2009 by

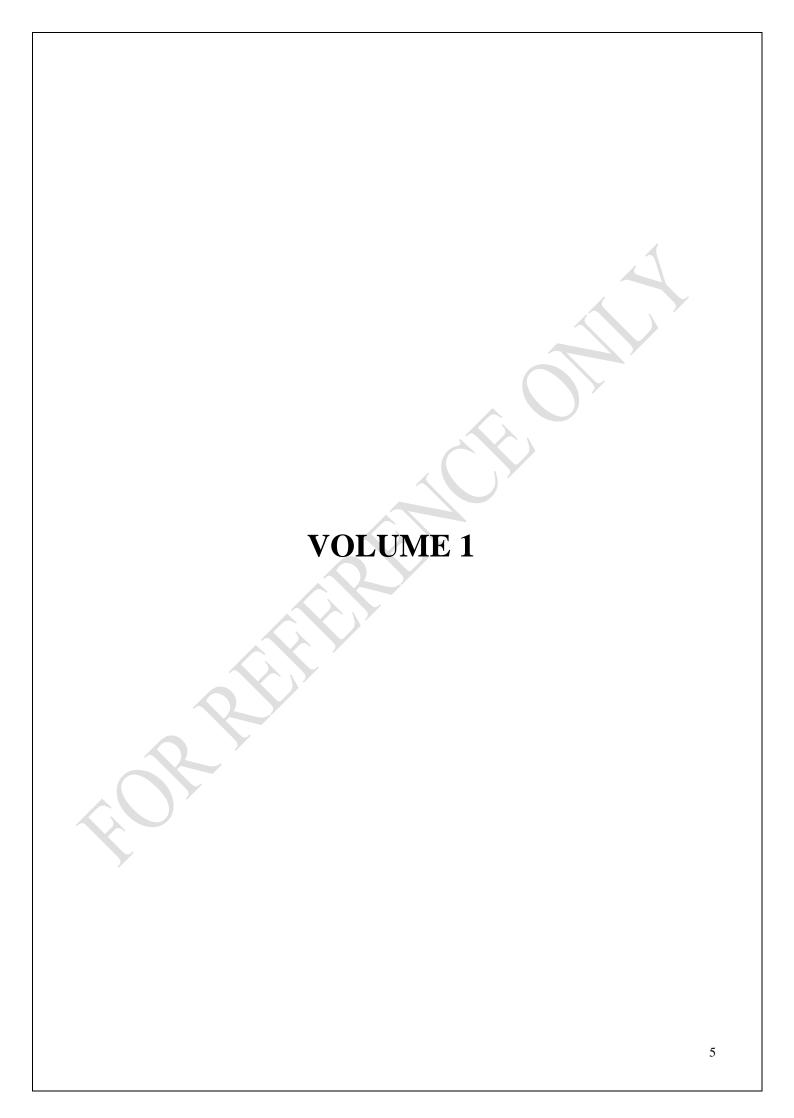
#### **ICTAD**

- ICTAD PUBLICATION NO. ICTAD/SBD/01
- 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

Section 1 Instruction to Bidders

Section 2 Standard Forms (Contract)

Section 3 Conditions of Contract

## **Section - 1**

## **Instruction to Bidders**

The text of this 'Instructions to Bidders' is found in the 'Standard Bidding Document Procurement of Works' ICTAD Publication No. ICTAD/SBD/01 – 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 Addendum of SBD/01 issued in October 2009 by ICTAD and Section -5 -'Bidding Data and Contract 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 -5 - 'Bidding Data and Contract Data'.

## **Section - 2**

## **Standard Forms (Contract)**

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

## FORM OF LETTER OF ACCEPTANCE

[Da	te]
[Contractor's Name & Address]	
This is to notify you that your bid dated	- act ees
You are hereby instructed to proceed with the execution of the said Works in accordance with the Contra Documents.	act
The Start Date shall be	
The amount of Performance Security is	
The Performance Security shall be submitted on or before	
Authorized Signature Name and title of Signatory Name of Agency	

## FORM OF PERFORMANCE SECURITY

(Unconditional)

[Issuing Agency's Name, and Address of Issuing Branch or Office]
<b>Beneficiary:</b> Director General, Road Development Authority, 1 <sup>st</sup> floor, "Maganeguma Mahamedura", 216, Denzil Kobbekaduwa Mawatha, Battaramulla.
Date:
PERFORMANCE GUARANTEE No.:
We have been informed that
Furthermore, we understand that, according to the Conditions of the Contract, a performance guarantee is required.
At the request of the Contractor, we
This guarantee shall expire, no later than the day of2024 [28 days beyond the Defect Liability 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  NIC No  Signature

## FORM OF AGREEMENT

This Contract Agreement made and entered into on this by and between the Road Development Authority established of 1981 as amended by Act No. 05 of 1988 and No. 37 of 20 Mahamedura", 216, Denzil Kobbekaduwa Mawatha, Kosw Republic of Sri Lanka (hereinafter called and referred to as the said RDA its successors and assigns) on the one part and number and address of Contractor] (hereinafter called and reand includes the said	by the Road Development Authority Act No. 73 209 and having its Head office at "Maganeguma atha, Battaramulla in the Democratic Socialist" the Employer" which term means and include I,
Whereas the Employer desires that the Contractor executes 9/1 PELAWATTA – KANKOTIYAWATTA – THINIY under Contract No: RDA/RM&M/WP/GOSL(WB)/2024/2 Works") and the Employer has accepted the Bid by the Cont Works and remedying of any defects therein.	AWALA – MORAWAKA ROAD (B 363)', 14 (hereinafter called and referred to as "the
<ol> <li>NOW THIS AGREEMENT WITNESSETH as follows:         <ol> <li>In this Agreement words and expressions shall have the them in the Conditions of Contract hereinafter referred the and construed as part of this Agreement.</li> <li>In consideration of the payments to be made by the Empthe Contractor hereby covenants with the Employer to endefects therein in conformity in all respects with the provisions.</li> </ol> </li> <li>The Employer hereby covenants to pay the Contractor in the Works and remedying of defects therein, the Compayable under the provisions of the Contract at the times.</li> </ol>	o, and they shall be deemed to form and be read loyer to the Contractor as hereinafter mentioned, xecute and complete the Works and remedy any visions of the Contract.  In consideration of the execution and completion ontract Price or such other sum as may become
In Witness whereof the parties hereto have caused this A aforementioned in accordance with laws of Sri Lanka.	greement to be executed on the day and year
Authorized Signatory of Contractor Name of Signatory:	Authorized signature of Employer Name & Title of Signatory
Common Seal	
In the presence of Witness:	In the presence of Witness:
Name NIC No.	Name
Address	Address

## FORM OF ADVANCE PAYMENT SECURITY

[Name and address of Agency, and Address of Issuing Branch or Office]
<b>Beneficiary:</b> Director General, Road Development Authority, 1 <sup>st</sup> floor, "Maganeguma Mahamedura", 216, Denzil Kobbekaduwa Mawatha, Battaramulla.
Date:
ADVANCE PAYMENT GUARANTEE No.:
We have been informed that
Furthermore, we understand that, according to the Conditions of the Contract, an advance payment in the sum
At the request of the Contractor, we
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 Intended Completion Date]
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 No  Signature  Nic No  Signature

## FORM OF RETENTION MONEY GUARANTEE

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

<b>Beneficiary</b> : Director General, Road Development Authority, 1" Floor, Maganeguma Mahamedura", 216,
Denzil Kobbekaduwa 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/RM&M/WP/GOSL(WB)/2024/14 dated
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 Liability 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
Date:
Witness:
Name
Name
Traine Digitature

## **Section - 3**

## **Conditions of Contract**

The text of this 'Conditions of Contract' is found in the

'Standard Bidding Document Procurement of Works'

ICTAD Publication No. ICTAD/SBD/01 – Second Edition – January 2007 with Addendum issued in October 2009

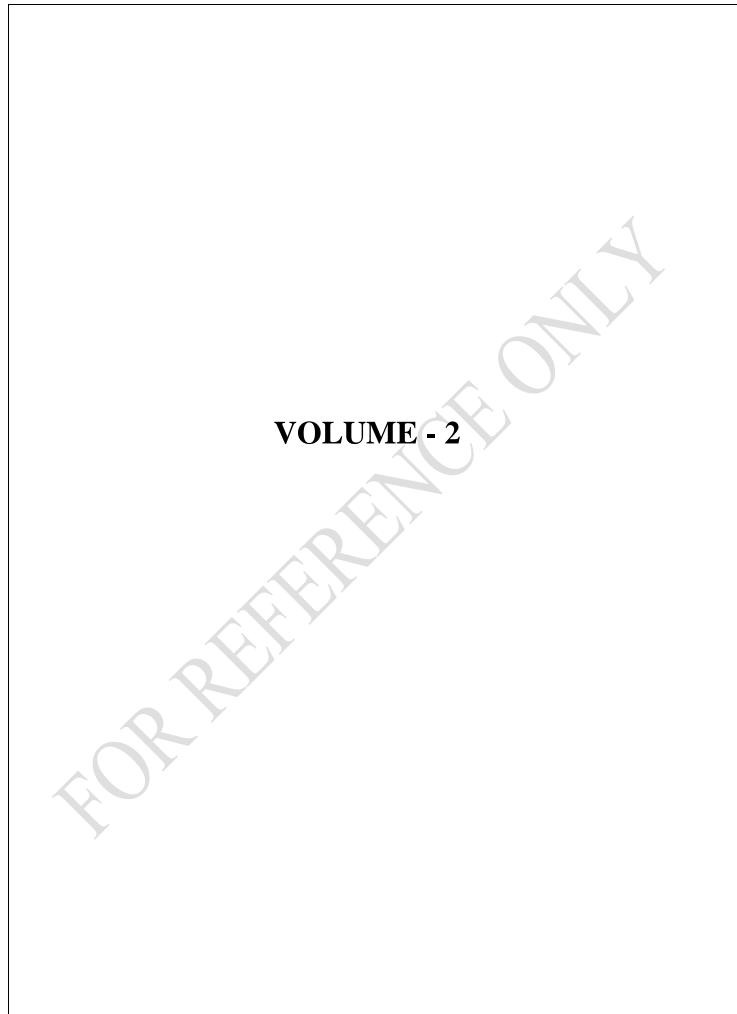
This publication is copyright and bidders, if they do not already possess a copy, may obtain it from: Construction Industry Development Authority

'Savsiripaya'

123, Wijerama Mawatha

Colombo-07

This has to be read in conjunction with Addendum of SBD/01 issued in October 2009 by ICTAD and Section -5 -'Bidding Data and Contract Data' of this Bidding Document. Wherever the Clauses of the Section -3 - 'Conditions of Contract Bidders' have to be modified and/or supplemented, it is done through the text in the Section -5 - 'Bidding Data and Contract Data'.



## VOLUME 2

- Invitation for Bids
- Section 4 Form of Bid and Qualification Information
- Section 5 Bidding Data and Contract Data
- Section 6 Specifications
- Section 7 Bill of Quantities
- Section 8 Drawings
- Section 9 Standard Bid Forms

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

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

		Eng.'s Estimate	Contract	CIDA	Bid Security
Contract No	Contract Name	w/o	Duration	Grade	(Rs)
Contract No.	Contract Name	contingencies	Days		1
		(Mn)			7
RDA/RM&M/WP/	Reconstruction of Bridge No. 9/1 on	72.5	365	C4 or	1,250,000.00
GOSL(WB)/2024/	Pelawatta – Kankotiyawatta –			above	\
14	Thiniyawala – Morawaka Road (B 363)				

- 2. The work consists of construction of single span of 7.1 m long bridge of 8.5 m wide clear carriageway with footwalks on both sides and reinforced concrete pad foundation abutments & wingwalls.
- 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 website <a href="https://www.rda.gov.lk">www.rda.gov.lk</a>. From 26/06/2024
  - a. Provincial Director (WP), Road Development Authority, Colombo.

T: 0112887358 Fax: 011-2887623

b. Deputy Director General (RM & M), Road Development Authority, 6<sup>th</sup> Floor, "Maganeguma Mahamedura", 216, Denzil Kobekaduwa Mawatha, Battaramulla.

T P:011-2882196 Fax: 011-2882195

- **6.** The Pre-Bid meeting will be held at 11:00 hrs on 03/07/2024 at the office of the Provincial Director (WP), Road Development Authority, Colombo and a site visit will be arranged immediately 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 firm should be indicated on the cash deposit slip) to Deputy Director General (RM & M), RDA via email from 26.06.2024 until 16.07.2024 during 09:00 hrs to 15:00 hrs for above contract. The email address is dd1maint@gmail.com

Non-refundable tender fee of Rs **24,115.00** (with VAT & SSCL) 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

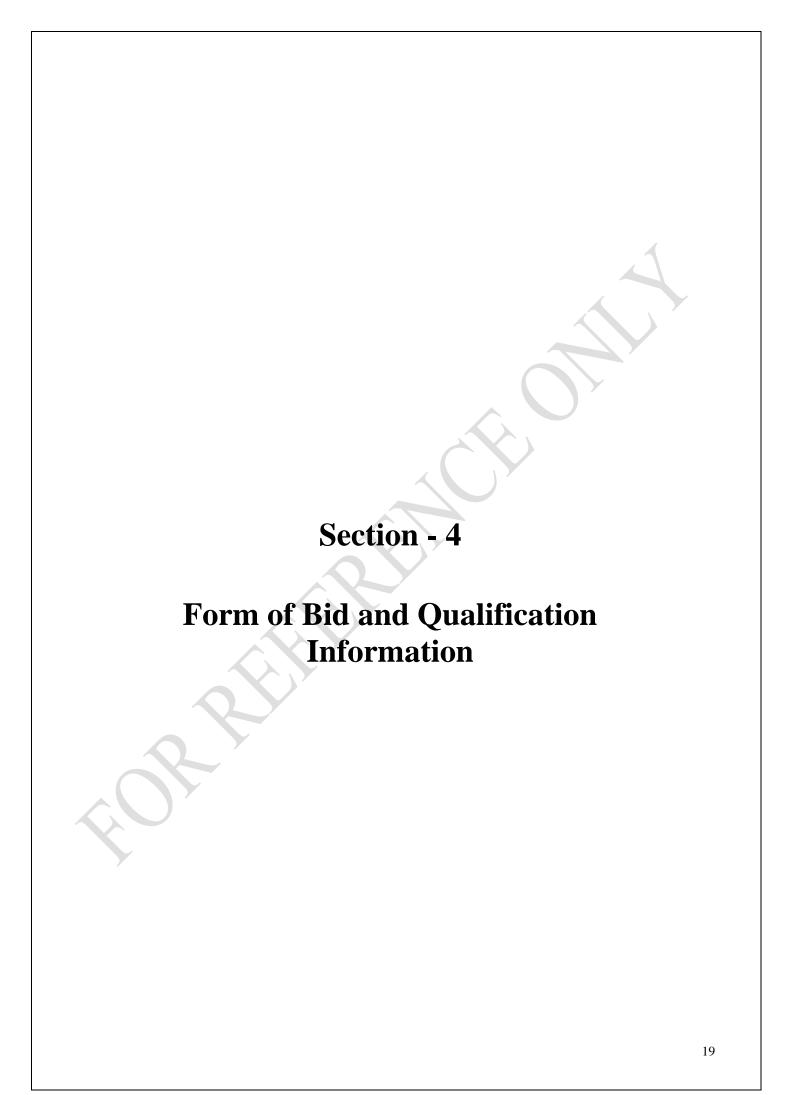
Original/valid cash deposit slips should be submitted with the Bids at the submission of bids and it will be checked.

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. Each Bid shall be accompanied by a Bid- Security for an amount given in the above table. Bid- Security shall be valid up to 13/11/2024. Bids shall be valid up to 16/10/2024.

9. Bids shall be delivered in **duplicate** to the Chairman, Road Development Authority Procurement Committee, C/o Director General, Road Development Authority, First Floor, "Maganeguma Mahamedura", 216, Denzil Kobekaduwa Mawatha, Battaramulla on or before 14:00 hrs on 17/07/2024. Late bids will be rejected. Bids will be opened soon after the closing, in the presence of the bidder's representatives who choose to attend.

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



#### FORM OF BID

# RECONSTRUCTION OF BRIDGE NO. 9/1 PELAWATTA – KANKOTIYAWATTA – THINIYAWALA – MORAWAKA ROAD (B 363) UNDER CONTRACT NO: RDA/RM&M/WP/GOSL(WB)/2024/14

**To**: Road Development Authority

				١	1		
Gentlemen.	٦.	ıe	m	e	ITI	en	(ı

1. Ha	aving examined the Standard Bidding Document-Procurement of Works (ICTAD/SBD/01-Second
Ed	lition January 2007 with Addendum of SBD/01 issued in October 2009 by ICTAD) along with the
Bi	dding Data, Contract Data, Specifications, Drawings and Bill of Quantities and addenda Nos for
the	e execution of the above-named Works, we the undersigned, offer to execute and complete such
W	orks and remedy any defect therein in conformity with the aforesaid Conditions of Contract,
Sp	ecifications, Drawings, Bill of Quantities and addenda Nos for the sum of Sri Lankan
Ru	ıpees*
	(SLRs. *) (The bid price shall
inc	clude physical & Price Contingencies and provisional sums but excluding VAT) or such other sums
as	may be ascertained in accordance with the said Conditions.
<ul><li>3. We un completed</li><li>4. We ag which expirated</li><li>5. Unless accepted</li><li>6. We un</li></ul>	knowledge that the Contract Data forms part of our Bid. dertake, if our Bid is accepted, to commence the Works as stipulated in the Contract Data, and to ete the whole of the Works comprised in the Contract within the time stated in the Contract Data. Free to abide by this Bid with in the date specified in ITB clause 15.1 or any extended period to we may agree and it shall remain binding upon us and may be accepted at any time before the tion of that period.  The analysis and until a formal Agreement is prepared and executed, this Bid together with your written ance thereof shall constitute a binding contract between us.  The day of
Name	:(IN BLOCK CAPITALS)
Signature	;)
Designatio	n
Address	:
Witness	: 1.Name Signature
	2.Name Signature

<sup>\*</sup>The amount inserted here should not include the VAT component.

#### \*\*Bid signed by a person other than the authorized person shall be treated as non-responsive

Qualification Information					
CIDA Registration	Please attach photo copy of Original Documents (as annex -01)				
Registration Number					
Grade & Speciality					
Expiry Date	,				
VAT Registration Number	(Attach as Annex 02)				
<b>Construction Program</b>	(Attach as annex 11)				
Legal Status(Please attach photo copy of original	(Attach as Annex 03)				
documents as annex)					
For Joint Venture	Please attach draft copy of Joint Venture Agreement				
Authentication of Signatory	(Attach original with form of bid & a photo copy as annex -04)				
Value Of Construction works performed	(Attach as Annex 05)				
(Attach certified copy of Audited Financial Report )					
Year 2022/2023					
Year 2021/2022					
Year 2020/2021	X \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				
Year 2019/2020					
Year 2018/2019					
	\(\lambda_{\cdot\}\)				

## **Details of Contract works in hand**

(Attach as annex 06)

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

<sup>\*</sup> Add additional rows to include all the current projects if needed

<sup>#</sup> Provide additional speciality, to include all the current projects

Note - The bidders who do not provide all contract commitment shall be treated as non-responsive according to the clause 3.3 of ITB

## **Financial Data**

#### **As per Latest Audited Financial Statement**

1	Current Assets	. 1
2	Current Liabilities	
3	Working Capital (1-2)	
4	Value of Outstanding work in hand	
5	Line of Credit **	
*6	Available Liquid Asset {3 - (0.1) x 4+5}	

<sup>\*</sup> This amount shall be not less than the amount given in clause 4.4 of ITB

Note: Available Working Capital of bidder should be positive (+)

# Similar Work Experience, Construction Equipment Proposed and Qualification & Experience of Key staff

Similar work completed in last 05 years	Value	
( Attach LOA, Completion Certificate,		
documents to confirming similarity of work)	Employer	
documents to commining similarity of work)	Completed Date	
	Description of work	
<b>Major Items of Construction Equipment</b>	1. TypeCapacity	
Proposed		
(Attach as annex-09)	2. TypeCapacity	
	3. TypeCapacity	
	4. TypeCapacity	
	5. TypeCapacity	
	5. TypeCapacity	
Qualification and Experience of Key staff to be	Technical	
attached to the project	1.	
Attach details of key personal CVs. Separately,	2.	
proposed to be at site for supervision.	3.	
	Managerial	
(Attach as annex-10)	1	
	2	
	3	

<sup>\*\*</sup> Line of credit if provided shall strictly be as per the form given in Section -9. (Attach as annex 07)

#### **Details of Sub-Contractors**

Section of work	Approximate value	Name(s) & Address (es) of sub-contractors	Description & location of similar works previously executed
			. 1

## **Details of Performance of Contracts**

Project Name	Contract No.	Contract Period (Days)	Initial/Revised completion Date	Substantial Completion Date

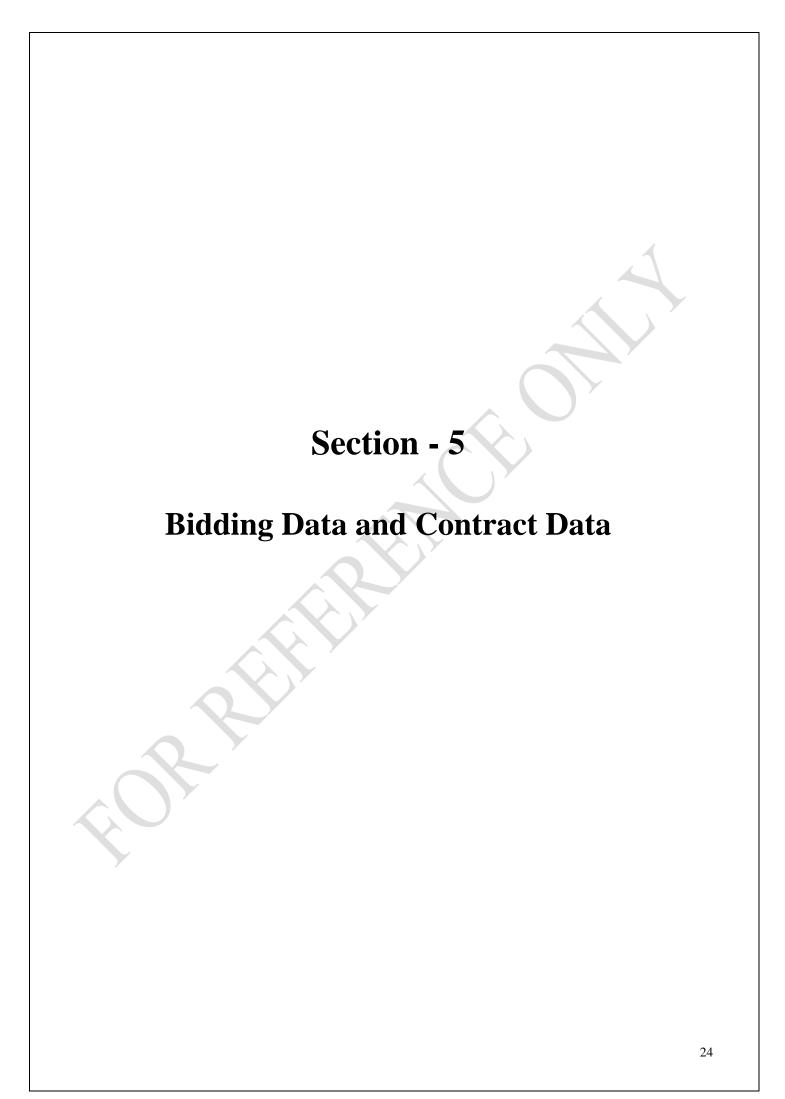
<sup>\*</sup>Work completed/ongoing in last five years

<sup>\*\*</sup>If EOT is not submitted, submit the recommendation report from the Engineer for the Contract with reasons.

Personnel Data	
Name of Institution	
Address	
Telephone	
Facsimile	
Email address	

Road Development Authority and its authorized representatives are hereby authorized to conduct any inquiries or investigations to verify the statements, documents, and information submitted in this connection and to seek clarification from our banks, any other agency or our clients regarding any financial and technical aspects.

Signature of the Bidder	Date



#### **BIDDING DATA**

#### Clause 1, Scope of Bid

#### Clause 1.1

a) Employer is the Road Development Authority established by the Act No.73 of 1981 as amended by Act No. 05 of 1988 and No. 37 of 2009.

b) Address of the Employer is: "Maganeguma Mahamedura",

216, Denzil Kobbekaduwa Mawatha, Battaramulla.

Telephone: 0112862795, Fax: 0112872272

E-mail: gmo@ rda.gov.lk

The Scope of the Work is Reconstruction of Bridge No. 9/1 on Pelawatta – Kankotiyawatta – Thiniyawala – Morawaka Road (B 363).

The work consists of Construction of single span 7.10 m long bridge of 8.5 m clear carriageway with footwalk on both sides and reinforced concrete pad foundation abutment & wingwalls.

The Site is located in Kalutara District.

#### Clause 1.2

Time for completion is **365 Days** from the Start Date:

#### Clause 1.3

- a) The Bidding Documents shall be inspect from the RDA web site [ www.rda.gov.lk ] from 26/06/2024 to 17/07/2024.
- b) The non-refundable tender fee of **Rs. 24,115.00** with SSCL & VAT can be paid by depositing cash to the following account.

(i) Account Name : Director General – RDA.

(ii) Account Number : 0000001943

(iii) Bank Name : Bank of Ceylon – Corporate Branch

c) The Bidding Documents shall be collected during working hours from 09.00 Hrs to 15.00 Hrs via email address dd1maint@gmail.com from 26/06/2024 until 16/07/2024.

#### Clause 2, Source of Funds

#### Clause 2.1

Funded by Government of Sri Lanka (GOSL)

#### **Clause 3, Ethics, Fraud and Corruption**

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.

#### Clause 4, Qualification of the Bidder

#### Clause 4.2

The bidder shall be currently registered with the Institute for Construction Industry Development Authority (CIDA) in C4 or above **grades in Bridge specialty.** 

#### Clause 4.3 Bidder shall provide in:

• CIDA registration particulars

Registration number Specialty & Grade Expiry Date

- VAT registration number.
- Legal status of the bidder (sole proprietor, Partnership, Company etc.)
- Authentication for signatory (written Power of Attorney)
- Certified Audited Financial Statement for latest five years
- Evidence of adequacy of working capital for this contract (liquid assets & other)
- Experience in a work of <u>similar nature and size</u> in the last ten years
- Work in hand
- Qualification and experience of key site management and technical personnel proposed for the Contract
- Major items of construction equipment proposed to carry out the Contract
- Authority to seek references from the bidder's bankers;
- Total monetary Value of construction work performed for each of the last five years.
- The Method statement of the way the bidders proposed to carry out the work
- Construction Program with critical path and cash flow forecast.
- A description and value of work, which the bidder proposes to sub-contract, together with the name and address of the proposed sub-contractors.
- Performance of the bidder in previous contracts in last five years.

#### Clause 4.4

• Average annual volume of construction work performed during the last five years shall be at least **Rs. 125.0 million** 

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

AACT = 
$$\sum$$
ACTn where, n= 1st .....5th year (last five years)

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

• The bidder should have, experience in construction of at least one contract of a nature and complexity equivalent to the Works over the last 10 years (to comply with this requirement, works cited should be at least 70% completed), the value of which should be at least **Rs. 58.5** million.

Experience of subcontractors in respect of "Contract of similar size and nature" shall be accepted, only if the reference sub- contract was approved by the Employer. Also such bidder shall submit the sub-contracting agreement along with the Completion Certificate issued by the main contractor and an approval letter issued by the Employer confirming the subcontracting arrangement. Any bids that, not complying with this requirement shall be rejected.

• Liquid Assets and / or credit facilities required

#### Minimum Liquid Assets available shall be Rs. 20.8 million

Minimum Liquid Assets Available is calculated as follows:

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

- X = Minimum 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 given in Section 9
- C = A project specific revolving line of credit given by a bank used by Form given in Section 9

#### Note: Available Working Capital of bidder should be positive (+).

Any Bidder who does not have the minimum liquid assets calculated on the above basis, required under Clause 4.4 shall be treated as non responsive.

Any bid which has to be supported by a project specific revolving line of credit, to meet the requirement of the Clause 4.4 but does not provide it strictly according to Form given in Section 9 shall be treated as non responsive.

The bidder shall submit an affidavit that he has declared all his other contractual commitments – specimen form attached in Section 9. But does not provide all current contract commitment shall be treated as non responsive according to the clause 3.3 of ITB. No Conditional Line of Credit will be accepted and any letter of line of credit which has deviated from the specimen format, shall be considered as non responsive.

#### Add new clause 4.5

#### Clause 4.5

- Any Bidder who has abandoned any of the previous contracts awarded to him.
- Any Bidder who has delayed contracts awarded to him beyond period of 50% of the respective contract period in last five years before date.....(28 days prior to the bid opening date) due to contractor's default.
- If any contract has been terminated due to the contractor's default within last five years before date ......(28 days prior to the bid opening date)

If any bidder has one or more poor performed/ performing contracts shall be considered as non – responsive.

Contract Period = Original Contract Period + Approved EOTs

#### C. PREPARATION OF BID

#### **Clause 9.1** Employer's address for the purpose of clarification is:

a. Deputy Director General (RM & M), Road Development Authority, 6<sup>th</sup> Floor, "Maganeguma Mahamedura", Denzil Kobbekaduwa Mawatha, Battaramulla.

TP:011-2882196 Fax: 011-2882195

b. Provincial Director (WP),
 Road Development Authority,
 Colombo.

T.P: 011 - 2887358, Fax: 011-2887623

#### **Clause 11.1** The language of the Bid shall be English.

#### Clause 13.3

The bid price shall include Physical Contingency, Price contingency and Provisional sums.

VAT component shall not be included in the rates. The amount written in the Form of Bid shall be without VAT. However VAT component shall be shown separately at the end of the BOQ.

#### **Clause 13.4**

The Contract is subjected to price adjustment in accordance with Clause 47 of the Conditions of Contract.

#### **Clause 15.1**

The bid shall be valid up to 16/10/2024.

#### **Clause 16.1**

Bid shall include a Bid Security using the form included in Section 9.

#### **Clause 16.2**

Bid Security shall be:

- For an amount of Rs. 1,250,000.00.
- Valid until 13/11/2024.
- Issued by an agency acceptable to the Employer using the form for bid security (unconditional guarantee) included in Section 9 Standard Forms.
- The Beneficiary of Bid security should be Director General, Road Development Authority, 1<sup>st</sup> Floor, "Maganeguma Mahamedura", 216, Denzil Kobekaduwa Mawatha, Battaramulla.
- Any bond or security issued by ABC Insurance Company Limited is not acceptable.

#### **Clause 17.0**

Pre-bid meeting will be held at the office of the Provincial Director (WP), Road Development Authority, Colombo at 11.00 a.m. on 03/07/2024. Site visit will be arranged if necessary.

#### **D:** SUBMISSION OF BID

#### Clause 19.2 (a)

The Employer's Address for the purpose of bid submission is -

Chairman, RDA Procurement Committee C/o Director General, Road Development Authority, 1<sup>st</sup> Floor, "Maganeguma Mahamedura", 216, Denzil Kobbekaduwa Mawatha, Battaramulla

#### **Clause 19.2 (b)**

The name of the Contract is 'RECONSTRUCTION OF BRIDGE NO. 9/1 PELAWATTA – KANKOTIYAWATTA – THINIYAWALA – MORAWAKA ROAD (B 363)', UNDER Contract No: RDA/RM&M/WP/GOSL(WB)/2024/14

#### **Clause 20.1**

The deadline for submission of bids shall be 2.00 p.m. on 17/07/2024.

#### E: AWARD OF CONTRACT

#### **Clause 34.1**

The Standard Form of Performance Security acceptable to the Employer shall be a Bank Guarantee from a reputed Bank operating in Sri Lanka and accepted by the Treasury for issue of Guarantees. The amount of Performance Security is 5% (Five percent) of the Initial Contract Price. The Format of the Performance security shall be strictly in accordance with the specific format given in Standard Forms Section 2. Any bond or security issued by Insurance Company Limited is not acceptable

#### Clause 36

The Adjudicator proposed by the Employer is a member to be appointed by the Institution of Engineers, Sri Lanka (IESL)

Fees and types of reimbursable expenses to be paid to the Adjudicator shall be on a case-to-case basis and shall be shared equally by the Contractor and the Employer.

#### **CONTRACT DATA**

1.1 The Employer is the Road Development Authority established by the Act No 73 of 1981 as amended by Act No. 05 of 1988 and No. 37 of 2009.

Address: Road Development Authority, "Maganeguma Mahamedura", 216, Denzil Kobbekaduwa Mawatha, Battaramulla.

The name of Authorized Person who acting on behalf of Employer for the purpose of the Contract shall be as per the RDA circular no. RDA/ADGP/CIR/VOL-3 dated 8<sup>th</sup> of January 2024.

Name of Employer's Representative will be notified later.

1.1 The Engineer for the Contract will be notified later.

Engineer's Representative: Will be notified later

1.1 The Work consists of construction of single span 7.10 m long bridge of 8.5 m clear carriageway with footwalks on both sides and reinforced concrete pad foundation abutment & wingwalls.

The scope of the work is Reconstruction of bridge no. 9/1 on Pelawatta – Kankotiyawatta – Thiniyawala – Morawaka Road (B 363)

The Start Date shall be 14 calendar days from the receipt of the Letter of Acceptance.

- **8.1** Schedule of other Contractors: Public Utility Agencies
- 9.1 Schedule of Key Personnel: (Directly involved in the project)

Minimum persons with qualifications and experience to be defined,

a. Technical Project Manager with B.Sc Civil Eng. & 10 years working

experience in 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.

b. Contract Administration Minimum qualification shall be Diploma in Civil

Engineering or Quantity Surveying in recognized institute with 3 years working experience in construction field and

contract administration.

13.1 The minimum insurance covers shall be:

- The minimum cover for insurance of the Works, Temporary Works and of Plant and Materials is 110% of the Initial Contract price.
- The minimum for insurance of other property is Rs. 1 Million per occurrence with the third party, number of occurrences unlimited.

The minimum cover for personal injury or death,

- For the Contractor's workmen is Rs. 400,000/= per event
- Contractor's employees other than workmen is Rs. 550,000/= per event
- For third party and employees of the Employer and other persons engaged by the Employer is Rs. 550,000/= per event

For all the above the number of occurrence shall unlimited.

The insurance cover shall be valid from the Start Date to the end of the Defects Liability Period.

- 14.1 Information from the Site investigation, if so applicable and available, is shown on the Drawings.
- 17.1 The Intended Completion Date for the whole of Works shall be **365 Days** from the Start Date.
- 21.1 The Site Possession Date shall be within <u>07</u> Calendar days from the date of Letter of Acceptance.
- 27.1 The Contractor shall submit a Programme for the Works within <u>28</u> Calendar days of the Letter of Acceptance.

Contractor shall work only during normal working days unless otherwise agreed with the Engineer or in unusual circumstances where the safety of the public or work is in jeopardy. Holidays declared by the RDA shall be treated as non-working days.

- 27.3 One Month.
- 27.4 2% of the Initial Contract Price in Rupees.
- 35.1 Add with the following, The Defects Liability Period is 364 Days.
- 39.2 Engineer may order variations up to a total cumulative value of not exceeding the contingencies provided in the priced BOQ when an emergency situation occurs and to ensure proper implementation of construction activities in a timely manner. Any variation order which involves the increase of contract price or variation order on change of scope would need the prior approval of the Employer.
- 43.1 Replace the second sentence of Clause 43.1 "The Employer shall pay ............ date of each certificate" with the following.

"The Employer shall pay the Contractor the amounts certified by the Engineer within 28 days of the date of each certificate.

#### 47.1 Price Adjustment

The contract is subjected to price adjustment.

Indices No	NAME OF INPUT	PERCENTAGE
M4	Cement	26.1
L3	Unskilled Labour	17.5
M7	Metal	14.0
P1	Small Equipment	11.9
P2	Heavy Equipment	4.0
L2	Semi Skilled Labour	3.4
M8	Sand	3.2
Р3	Fuel	3.1
M21	Formwork Timber	3.0
L1	Skilled Labour	2.1
M13	Steel Reinforcement	1.7

Non-adjustable items shall be Bill No. 01 – Preliminaries & General, Bill No.04 – Day Works, and all PS & LS items.

48.1 The retention from each payment shall be 10% percent of the certified work done.

The limit of retention shall be 5 % of the Initial Contract Price.

49.1 The liquidated damages for the whole of the Works shall be **Rs. 41,820.00** per Day.

The maximum amount of Liquidated Damages for the whole of the works shall be 10% (ten percent) of the Initial Contract Price.

51.1 Replace the Sub-clause 51.1 with the following: -

'The Employer shall make advance payment to the Contractor in an amount equivalent to 20% of the Initial Contract Price less contingencies less Provisional Sums within 14 Days after furnishing of an unconditional guarantee in a form and by a bank acceptable to the Employer or from the Construction Guarantee Fund. The guarantee shall remain effective until the advance payment has been repaid, but the amount of the guarantee shall be progressively reduced by the amounts repaid by the Contractor. Interest will not be charged on the advance payment.

Advance Payment would be made in two equal instalments. The second Instalment would be paid only after establishing that the first instalment of the advance payment has been used exclusively for mobilization as per Cl. 51.2 and submission and approval of detailed construction programme with network analysis and resource scheduling.

Any bond or security issued by Insurance Company is not acceptable.

52.1 The Performance Security shall be 5% percent of the Initial Contract Price and shall be issued by a Bank acceptable to the Employer.

Any bond or security issued by Insurance Company Limited is not acceptable.

- As-Built Drawings shall be submitted to the Engineer within one month after the issuing of Certificate of Completion.

  Add the annexure of additional requirements pertaining to the as built drawings to this sub clause
- The percentage to apply to the value of the work not completed, representing the Employer's additional cost for completing the Works, is 25%
- 63 Clauses 63.2(b), 63.4, 63.5, 63.6 and 63.7 are not applicable.
- 63.3 Replace the text of Clause 63.3 with the following text: "The total sum paid to the Contractor shall include such amounts, for the work, supplies or services plus following percentage of actual cost shall be paid to the Contractor for Provisional Sum of the Bill of Quantities."
  - 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%

#### AS BUILT DRAWINGS

#### **Description**

The work shall consists 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 AutoCAD drawing file format on CD shall submit for the Engineer.

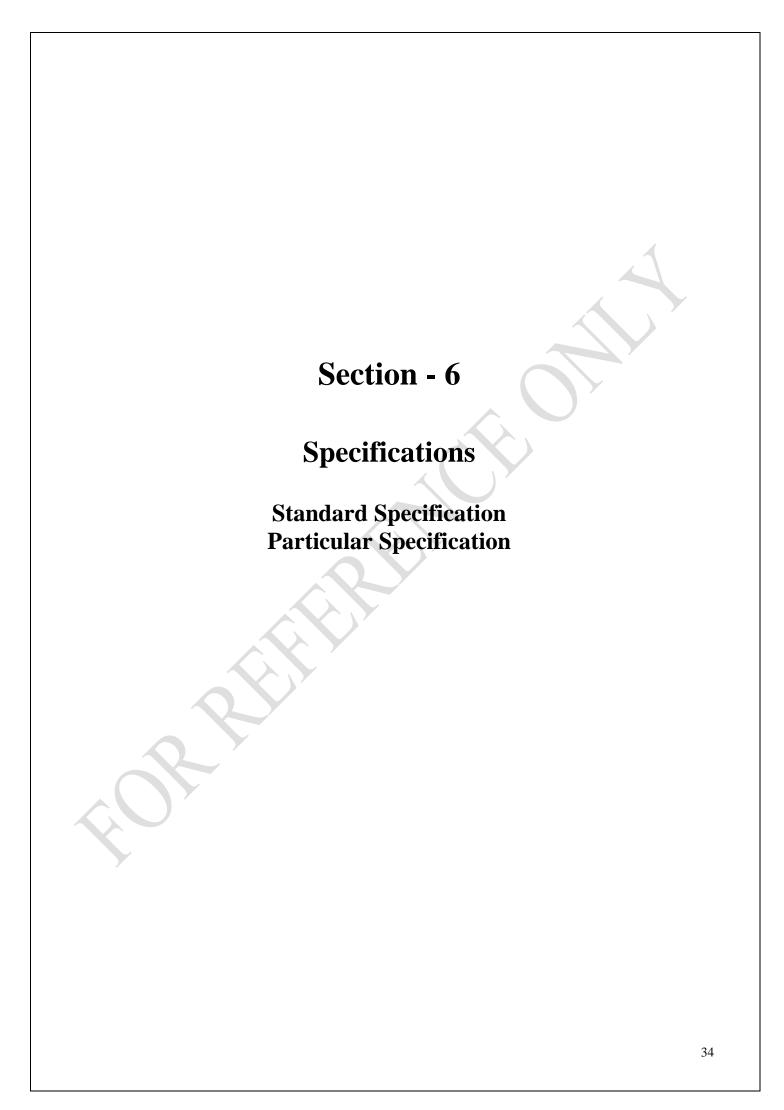
#### **Construction Requirement**

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

- (a) All as-built for projects are required to be on 24" x 36" 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.

#### **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.



#### **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 Published in June 2009

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

#### **Particular Specifications**

These Particular Specifications should be read in conjunction with the Standard Specifications for Construction and Maintenance of Roads and Bridges, ICTAD Publication No SCA/5, 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.

#### PRELIMINARIES & GENERAL

#### P001. Mobilization and 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 batch. 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 office 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	month
	Construction period.	

#### 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 office 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

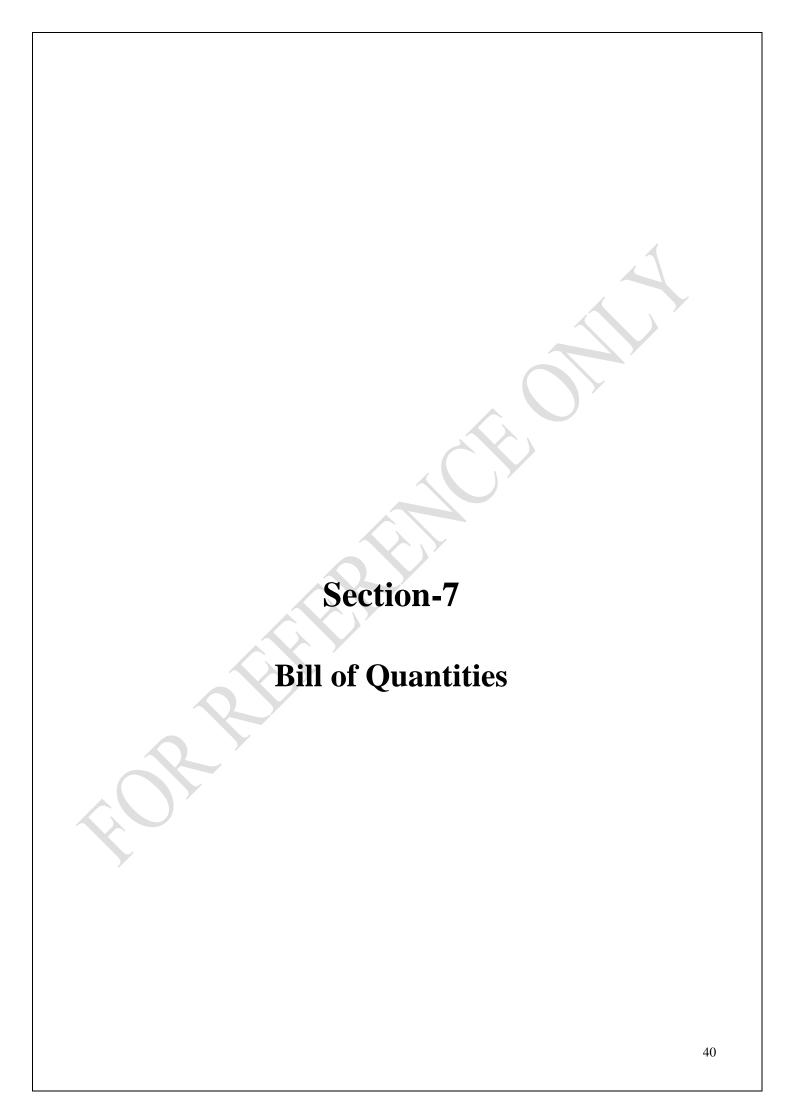
Payment for maintenance for each facility shall include all labour, materials and equipment required for satisfactory maintenance of the facilities and shall include all other costs including but not limited to supply of electricity, water and telephone facilities, cleaning, guarding, disposal of rubbish, 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

#### 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 for the stationary shall be the actual net price of stationary provided and equipment provided. Payment for invoiced cost with 10% administrative charge shall be the full payment for stationary provided and shall be made from the provisional sum item in the bill of quantities.

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



#### **BILL OF QUANTITIES**

#### **PREAMBLE**

- 1. The Bill of Quantities shall be read in conjunction with all other 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 by 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.
  - The provision and maintenance of all staff and labour and their payment, accommodation, transport, fares and other requirements.
  - 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.
  - 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.
  - 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 manufacturers test certificates.
- xii The protection of mains and services, and cost of repairs in case of damage caused by the Contractor.
- xiii Pumping and dewatering; the protection of excavation faces.
- xiv The provision and maintenance of temporary diversions 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(excluding VAT) levies, first aid, welfare and safety requirements and all other overheads and costs 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 Bill 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 Bill of Quantities for work shall be deemed to have been included in the other prices and rates.
- 6. The Quantities given in the Bill 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.

The quantity for each Item of work executed by the Contractor in accordance with the Contract shall be measured net and no allowance will be made for waste, bulking, shrinkage decrease of volume due to compaction or the provision of working space.

- 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. The Units of measurement described in the Bill of Quantities are Metric Units. Abbreviations in the Bill of Quantities are as follows: -

hrs Hours Kilometre km Linear Metre m  $m^2 or sqm$ Square Metre  $m^3$  or cum Cubic Metre Numbers nos. L.S Lump Sum **Provisional Sum** P.S Month mth. Litre ltr. Kilogramme kg. Metric Tonne mt Millimetre mm. Week wk.

#### **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 (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: Self travelling: Actual travel time of and to place of stationing on the

day of the work.

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.

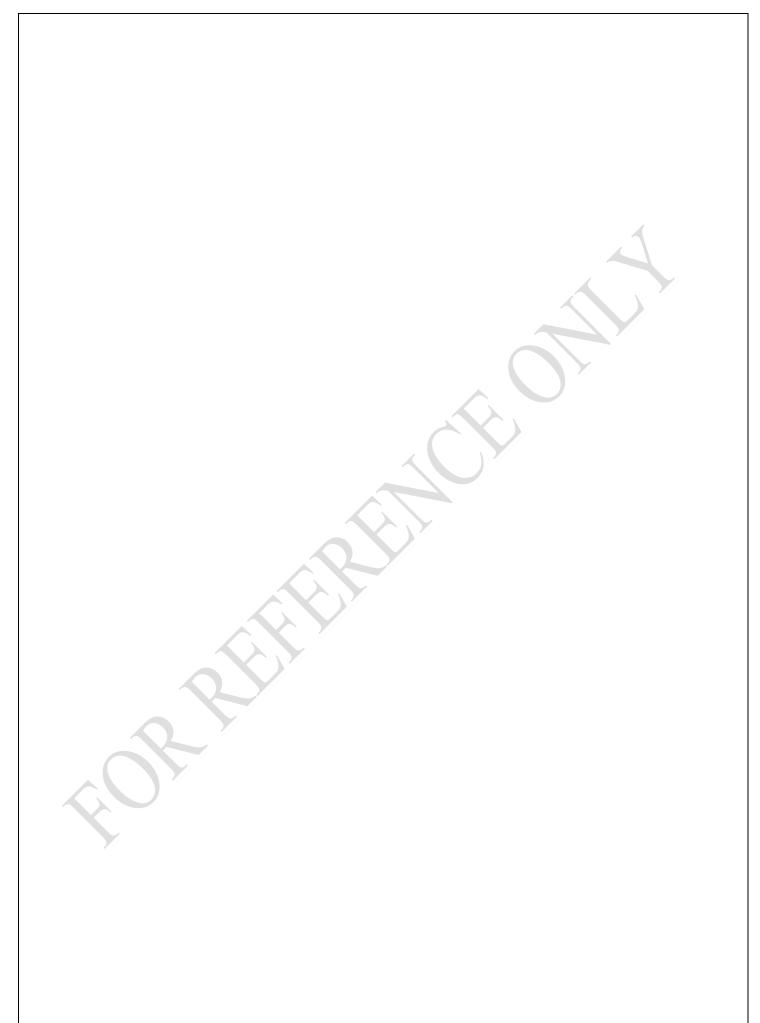
The rates shall apply only to such work, as the Engineer shall instruct in writing to be carried out as day works. All items should be priced.

## **Summary of Bill of Quantity**

# RECONSTRUCTION OF BRIDGE NO. 9/1 PELAWATTA – KANKOTIYAWATTA – THINIYAWALA – MORAWAKA ROAD (B 363) CONTRACT NO. RDA/RM&M/WP/GOSL(WB)/2024/14

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Amount in words:		 
Name of Authorized Officer:		
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Signature:		



## BILL NO. 01

# PRELIMINARIES AND GENERAL FOR RECONSTRUCTION OF BRIDGE NO. 9/1 km ON PELAWATTA KANKOTIYAWATTA THINIYAWALA MORAWAKA ROAD (B 363)

Item No.	Pay Item	Description	Qty	Unit	Rate Rs.	Amount Rs.
1	P(001)	Allow for mobilisation & demobilisation	Item	L.S.	1	
2	203(3)	Shifting of Utility Services.	Item	P.S.		500,000.00
3	P(003)	Provide Office for the Engineer	10	Month		
4	P(004)	Maintain Office for the Engineer	10	Month		
5	P(006)	Office consumable for the Engineer	Item	P.S.		100,000.00
6	103(1)	Allow for safety of road users including barricading lighting, watching, traffic controlling, providing temporary sign boards & maintain existing road.	10	Month		
7	118(1)	Provision of project name boards as directed by the Engineer	2	Nos.		
8	119(1)	Provide all necessary insurance.	Item	L.S.		
9	119(2)	Provides all bonds & securities	Item	L.S.		
		SUMMARY OF BILL NO. 01				

# BILL NO 02

RECONSTRUCTION OF BRIDGE NO. 9/1 km ON PELAWATTA KANKOTIYAWATTA THINIYAWALA MORAWAKA ROAD (B 363) - AS PER DRAWING NOS. WP/B/1494/1, 1A, 1B, 2, 3, 4, 5 & 6

Item	Pay Item	Description	Quantity	Unit	Rate Amount
		A. REMOVAL OF EXISTING STRUCTURES			4
A.1	202(1a)	Removal and disposal of existing bridge deck, dismantling of steel work, transporting the reusalble material to a place within 10km. as directed and stacking the same after completion of the 1st stage of new bridge and allowing traffic on the same and dimolishing the existing substructure upto the ground level.	Item	L.S.	
A.2		Removal and disposal of existing bridge foundation in the area under new foundation.	Item	P.S.	500,000.00
		B. FOUNDATION & SUBSTRUCTURE			
		B.1 Abutment & Wingwall			
		Clearing & Grubbing			
B.1.1	201(1a)	Clearing & Grubbing	160.00	$m^2$	
		Excavation & Backfill			
B.1.2	302(1)	Excavation in unclassified soil and backfill for abutments, and wingwalls.	480.00	$m^3$	
B.1.3	302(9)	Preparation of base of foundation.	Item	L.S.	
B.1.4	302(10)	Construction of necessary cofferdams cribs sheeting, shoring and bracing and their subsequent removal.	Item	P.S.	2,000,000.00
B.1.5	302(11)	Dewatering	Item	P.S.	800,000.00
	*	Concrete For Structures			
B.1.6	1001(3a)	Class C concrete of nominal mix 1:3:6(20) as screed under foundation slabs of abutments & wingwalls.	12.00	$m^3$	
B.1.7	1001(1a)	Class A concrete of Grade 30 (20) in foundation slabs of abutments & wingwalls.	120.00	m <sup>3</sup>	

B.1.8	1001(1b)	Class A concrete of Grade 30(20) in abutments & wingwalls.	195.00	m <sup>3</sup>
B.1.9	1001(1c)	Class A concrete of Grade 25(20) in capping beams, ballast walls, curtain walls, bearing pads and approach slabs.	16.50	$m^3$
		<u>Formwork</u>		
B.1.10	1008(2)	Rough finish formwork for foundation slabs of abutments & wingwalls.	75.00	$m^2$
B.1.11	1008(1a)	Smooth finish formwork for abutments & wingwalls	565.00	m²
B.1.12	1008(1b)	Smooth finish formwork for abutment capping beams, ballast walls, curtain walls, bearing pads and approach slabs.	50.00	m <sup>2</sup>
		Reinforcement		<b>&gt;</b>
B.1.13	1002(1a)	Cold worked deformed high yield steel bars of Grade 460 in foundation slabs of abutments and wingwalls.	9.50	M.T.
B.1.14	1002(1b)	Cold worked deformed high yield steel bars of Grade 460 in abutments & wingwalls.	11.50	M.T.
B.1.15	1002(1c)	Hot rolled mild steel bars of Grade 250 in bearing pads and approach slabs.	0.80	M.T.
B.1.16	1002(1d)	Cold worked deformed high yield steel bars of Grade 460 in in abutment capping beams, curtain walls, ballast walls, bearing pads and approach slabs.	0.10	M.T.
		Weep Holes		
B.1.17	706(1)	Forming weep holes in abutments & wingwalls using 110mm dia. P.V.C. pipes and finished smooth with dripledge and surround complete as per drawing.	80.00	L.m.
		<u>Drainage Backfill Material</u>		
B.1.18	705(1)	50-200mm. dry stone lining behind abutment & wingwalls as per drawing.	112.00	m <sup>3</sup>
B.1.19	705(2)	75mm. thick 40mm. stone filter layer behind dry stone lining as per drawing.	14.00	$m^3$
B.1.20	705(3)	Clay puddled & laid behind abutments & wingwalls to form the impervious layer as per drawing.	48.00	m <sup>2</sup>

#### C. SUPER STRUCTURE

#### Concrete For Structures

C.1	1001(1d)	Infiller concrete of Class A Grade 40(20) between beams in bridge deck inclusive of end make up, screed and camber.	8.50	$m^3$
C.2	1001(1e)	Class A concrete of Grade 25(20) in footwalks & footwalk ramps.	5.60	$m^3$
		<u>Formwork</u>		4
C.3	1008(1c)	Smooth finish formwork on sides for deck & foot walk concreting.	20.00	m <sup>2</sup>
		Reinforcement		
C.4	1002(1e)	Hot rolled mild steel bars of Grade 250 in deck, tie rods of deck & foot walks.	0.20	M.T.
C.5	1002(1f)	Cold worked deformed high yield steel bars Grade 460 in deck & foot walks.	1.00	M.T.
		Prestressed Concrete		
C.6	1003(1)	Pre-tensioned precast concrete beams of cast length 7.10 m supplied as per drawing No. T/B/030.	16.00	Nos.
C.7	1003(3)	Pre-tensioned precast concrete edge beams of cast length 7.10 m supplied as per drawing No. T/B/030.	2.00	Nos.
C.8	1003(2)	Pre-tensioned precast concrete beams launched into position as per drawing.	18.00	Nos.
		Railings		
C.9	1018(1)	Precast reinforced concrete railing & uprights in Class A Grade 25(20) concrete inclusive of light reinforcement & mould as per drawing No. T/B/102 A & B.	19.60	L.m.
C.10	1019(1)	End pilasters Type A in Class A concrete of Grade 25(20) with foundation type II as per drawing No. T/B/513.	4.00	Nos.
		Concrete Kerbs		
C.11	807(1)	Precast kerb in Class B Grade 25(20) concrete with light reinforcement & mould as per drawing No. T/B/512.	36.00	L.m.
C.12	807(4)	Lower kerbs in Class B Grade 20(14) concrete cast insitu as per drawing.	36.00	L.m.

		Expansion joints		
C.13	1009(1)	Supplying and fixing of mild steel angle iron & hard rubber expansion joint as per drawing No. T/B/107 - Rev.1.	23.20	L.m.
		Bridge Bearings		
C.14	1010( <b>2</b> )	75x12mm. hard rubber bearing pads supplied & laid over capping beam as per drawing.	42.00	L.m.
		<u>Miscellaneous</u>		
C.15	1012(1)	20mm Dia. 200mm long stainless steel dowels supplied fixed and grouted at fixed ends as per drawing.	14.00	Nos.
C.16	1011(1)	25mm Dia. 200mm long hot rolled mild steel dowels supplied fixed and grouted for the approach slab as per drawing.	36.00	Nos.
C.17	1013(1)	Bituminous sealing felt under beams at ends to prevent grout leak on to capping beam as per drawing.	24.00	L.m.
C.18	1014(1)	Bituminous sealing felt under approach slabs at capping beam ends to prevent bitumen running on capping beam as per drawing.	16.40	L.m.
C.19	1016(1)	Service duct of size 350mmx210mm. formed in deck as per drawing.	14.20	L.m.
C.20	1017(1)	500x450x75mm. thick cover slabs for service ducts in Class B Grade 25(20) concrete inclusive of light reinforcement and smooth shuttering provided as per drawing.	34.00	Nos.
C.21	806(4)	450x450x50mm. thick paving slabs in Class B Grade 25(20) concrete inclusive of light reinforcement and smooth shuttering provided as per drawing.	9.00	m <sup>2</sup>
C.22	1020(1a)	110mm. dia. P.V.C. rain water outlets supplied and fixed through deck as per drawing.	3.00	Nos.
C.23	1020(1c)	50mm. dia. P.V.C. drain pipes supplied and fixed through deck as per drawing.	6.00	Nos.
C.24	812(1)	12 m high steel lamp post with <b>single arm</b> bracket, supplied & fixed as per drawing. (Drg. No. T/0041/B) This includes installation of electric cables, fixing of lamps and other necessary appliances.	2	Nos.

C.25	1403(7)	Supply & application of two coats of weather seal 75 m <sup>2</sup> enamel paint on sides of bridge deck, end pilasters, uprights & railing etc. as specified by the Engineer.
C.26	502(2a)	Tack Coat  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/m² to concrete deck and approach slab surface.
C.27	506(1a)	Asphaltic Concrete Surfacing  Asphaltic Concrete Surfacing compacted to a thickness of 50mm over the concrete deck & approach slab.
D.1		D. MISCELLANEOUS STRUCTURES  Construction of 2 Nos. reinforced concrete staircase to access underneath of the bridge.  SUMMARY OF BILL NO 02
		A. Removal of Existing Structures  B. Foundations & Sub Structures
		C. Super Structure  D. Miscellaneous Structures  TOTAL

# BILL NO 03

CONSTRUCTION OF IMMEDIATE APPROACHES FOR BRIDGE NO. 9/1 km ON PELAWATTA KANKOTIYAWATTA THINIYAWALA MORAWAKA ROAD (B 363) - AS PER DRAWING NOS. WP/B/1494/1, 1A, 1B, 2, 3, 4, 5 & 6

Item	Pay Item	Description	Quantity	Unit	Rate	Amount
		A. SITE CLEARING			4	
		Clearing & Grubbing			4	
A.1	201(1b)	Clearing & Grubbing	600.00	m <sup>2</sup>		<b>Y</b>
		Removal of Structures and Obstructions	1			
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.	Item	P.S.		250,000.00
		B. EARTHWORKS				
		Roadway excavation				
B.1	301(1)	Roadway excavation in unclassified soil.	25.00	$m^3$		
		Embankment Construction				
B.2	304(1a)	Embankment Construction using material of type II from roadway excavation compacted in position.	50.00	m <sup>3</sup>		
B.3	304(2b)	Embankment Construction using borrow material of type I compacted in position.	300.00	$m^3$		
B.4	304(2a)	Embankment Construction using borrow material of type II compacted in position.	120.00	m <sup>3</sup>		
B.5	304(3)	Trimming Levelling & Compacting of Original ground.	720.00	$m^2$		
		Shoulder Construction				
B.6	409(1)	Shoulder construction using shoulder material and compacted in position.	80.00	m <sup>3</sup>		
		Top Soiling				
B.7	801(1)	Top soil supplied, piled & spread.	110.00	$m^3$		
		Grassing				
B.8	802(4)	Solid sodding	720.00	m <sup>2</sup>		

#### C. ROAD PAVEMENT

#### Soil Sub Base

C.1	401(1a)	Soil sub base type I material compacted in position.	180.00	$m^3$
		Reconstruction of Existing Base		
C.2	408( <b>2</b> a)	Scarifying existing surface as necessary.	210.00	$m^2$
		Dense Graded Aggregate Base		
C.3	405(1)	Dense graded aggregate base of nominal maximum size 50mm for existing carriageway and widening sections to a maximum thickness of 225mm as per drawing.	182.00	m <sup>3</sup>
				>
		Prime Coat		
C.4	501( <b>5</b> )	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.	808.00	m <sup>2</sup>
		Tack coat		
C.5	E02(2h)	M.C. Cutback bitumen (10-20%) or emulsified bitumen	808.00	$m^2$
0.5	502(2b)	Grade CSS-1 or CSS 1h tack coat applied at the rate of 0.5 litre per square meter over the finished dense grade aggregate base before the application of asphaltic concrete binder course.	808.00	III
C.6	502(2c)	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 sqr meter over the asphaltic concrete binder course before the application of asphaltic concrete surfacing.	808.00	m <sup>2</sup>
		Asphaltic Concrete Surfacing		
C.7	506(2)	Asphaltic Concrete binder course compacted to a thickness of 50mm in position.	95.00	M.T.
C.8	506(1b)	Asphaltic Concrete Surfacing compacted to a thickness of 50mm in position.	808.00	$m^2$

		Road Markings			
C.9	810(2)	Application of road markings as per specification.	135.00	$m^2$	
		D INCIDENTIAL CONCEDUCTION			
		D. INCIDENTIAL CONSTRUCTION			
		Guard Stones			
D.1	808(5)	Precast Concrete guard stones supplied and fixed as per Drawing.	12.00	Nos	
		E. DRAINAGE CONSTRUCTION			
E.1		Provision for drainage system & service lines.	Item	P.S.	250,000.00
		SUMMARY OF BILL NO 03		<b>y</b>	
		A. SITE CLEARING			
		B. EARTH WORK			
		C. ROAD PAVEMENT			
		D INCIDENTIAL CONCEDUCTION			
		D. INCIDENTIAL CONSTRUCTION			
		E. DRAINAGE CONSTRUCTION			

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

#### **ALL QUANTITIES ARE PROVISIONAL**

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

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

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

All Quantities are Provisional

#### 01. **LABOUR**

No.	Grade of Staff	Qty	Unit	Unit Rate	Amount (Rs.)
				(8 hr/day)	
1	Unskilled labour	10	Days		
2	Semi skilled labour	10	Days		
3	Skilled labour	5	Days		
4	Mechanic	2	Days		
5	Driver	3	Days		
6	Operator	5	Days		
7	Surveyor	1	Days		
	Total				

#### 02. **EQUIPMENT**

The rates are exclusive of Driver, Operator or Attendant, but inclusive of fuel and Consumable stores.

No.	Description	Capacity	Qty	Unit	Rate Rs.	Amount Rs.
1	Poker vibrator	1 - 2 inches	10	Hrs.		
2	Tractor with Trailer	Any	12	Hrs.		
3	Wheel Loader	1.70 Cu.m	4	Hrs.		
4	Hand Rammers	60 kg	10	Hrs.		
5	Smooth Roller	8 - 10 Ton	8	Hrs.	T	
6	Concrete Mixer	1 - 2 cu.m	8	Hrs.		
7	Steel Wheel Roller self - Propelled Static	8 - 10 Ton	8	Hrs.		
8	Water pump	2 inch dia.	50	Hrs.		
9	Bitumen Distributor	750 Lts.	3	Hrs.		
10	Water Bowser	6000 Ltr.	10	Hrs.		
11	Backhoe loader	2 W.D	8	Hrs.		
12	Dump Truck	30 Ton	4	Hrs.		
13	Tipper Truck (Inclusive of return trip)	7 Ton	125	Km		
14	Welding plant engine driven		20	Hrs.		
15	Extractor (sheet pile)		10	Hrs.		
16	Hammer (Vibro electric)		5	Hrs.		
17	Generator	7 - 10 KVA	5	Hrs.		
18	Compressor	750 CFM	10	Hrs.		
19	Hand held breaker demolition	Pneumatic	10	Days		
20	Mobile Crane	30 Tones	5	Hrs.		
21	Excavator (Crawler with breaker)		5	Hrs.		
	Total					

#### 03. MATERIAL

#### Note : All items in this bill are Provisional

No.	Material	Qty	Unit	Rate	Amount
1	Cement ordinary (50 kg bag)	10	Nos.		
2	Aggregate (20 mm)	5	Cu.m.		. 1
3	Aggregate (37.5 mm)	5	Cu.m.		
4	Sand	5	Cu.m.		
5	Bitumen 80/100	200	Liter		
6	Bituminous emulsion CRS-1	200	Liter		<i>Y</i>
7	Asphalt concrete - surfacing material - binder 60/70 bitumen at 4.7% of mix.	2.5	Mt.		
8	Aggregate Base Course (37.5 mm down graded)	5	Cu.m.		
9	Random Rubble (150-225 mm) (Excluding piling)	5	Cu.m.		
10	Reinforcement in bars Grade 250	0.25	Mt.		
11	Reinforcement in bars Grade 460	0.25	Mt.		
12	Timber Class II of Sri Lanka Timber Corporation or equivalent	2	Cu.m.		
13	Plywood (15 mm thick)	25	Sq.m.		
14	Diesel	80	Liter		
	Total				

# Section - 9

# **Standard Bid Forms**

- \* Bid Security
- \* Affidavit for the Current Commitments
- \* Bank Letter Granting the Revolving Line of Credit

### **FORM OF BID SECURITY**

[This Guarantee form shall be filled in accordance with the instructions indicated in brackets]
agency's name, and address of issuing branch or office]
<b>Beneficiary:</b> Director General, Road Development Authority, "Maganeguma Mahamedura", 216, Denzil Kobbekaduwa Mawatha, Battaramulla.
Date:[insert (by issuing agency) date]
BID GUARANTEE No.: [insert (by issuing agency) number]
We have been informed that
Furthermore, we understand that, according to your conditions, Bids must be supported by a Bid Guarantee.
At the request of the Bidder, we
<ul> <li>i. has withdrawn its Bid during the period of bid validity specified; or</li> <li>ii. does not accept the correction of errors in accordance with the Instruction to Bidders (hereinafter "the ITB") of the IFB or</li> <li>iii. having been notified of the acceptance of its Bid by the Employer during the period of bid validity,</li> </ul>
<ul><li>(i) fails or refuses to execute the Contract Form, if required, or</li><li>(ii) fails or refuses to furnish the Performance Security, in accordance with the ITB.</li></ul>
<ul> <li>This Guarantee shall expire:</li> <li>(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</li> <li>(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)</li> </ul>
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:  Designation  Name of the Organization  Date:  Witness:
Name
Name

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

#### FORM FOR AFFIDAVIT FOR THE CURRENT COMMITMENTS

$\sim$ 1		
( 'h	airman	
<b>\</b> J.	anınan	

Road Development Authority Procurement Committee.

In accordance with the Clause 4.4 of the Instructions to Bidders, I (We) declare that the outstanding Contract Commitments of (*Name of the Bidder (s)* are 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*				<i>y</i>
Buildings*				
[rrigation*				
<del> </del>		AY.		
	T	otal		
		7	Signature o	of the Bidder

	Signature of the Bidd	er
The foregoing Affidavit having been duly read over having understood the contents of same, signed befo	•	
this		[1 1000], 011
Justice of T	he Peace	

Note –The bidders who do not provide all contract commitment shall be treated as non responsive according to the clause 3.3 of ITB

<sup>\*</sup> Add additional rows to include all the current projects if needed

<sup>#</sup> Add additional speciality to include all the current projects

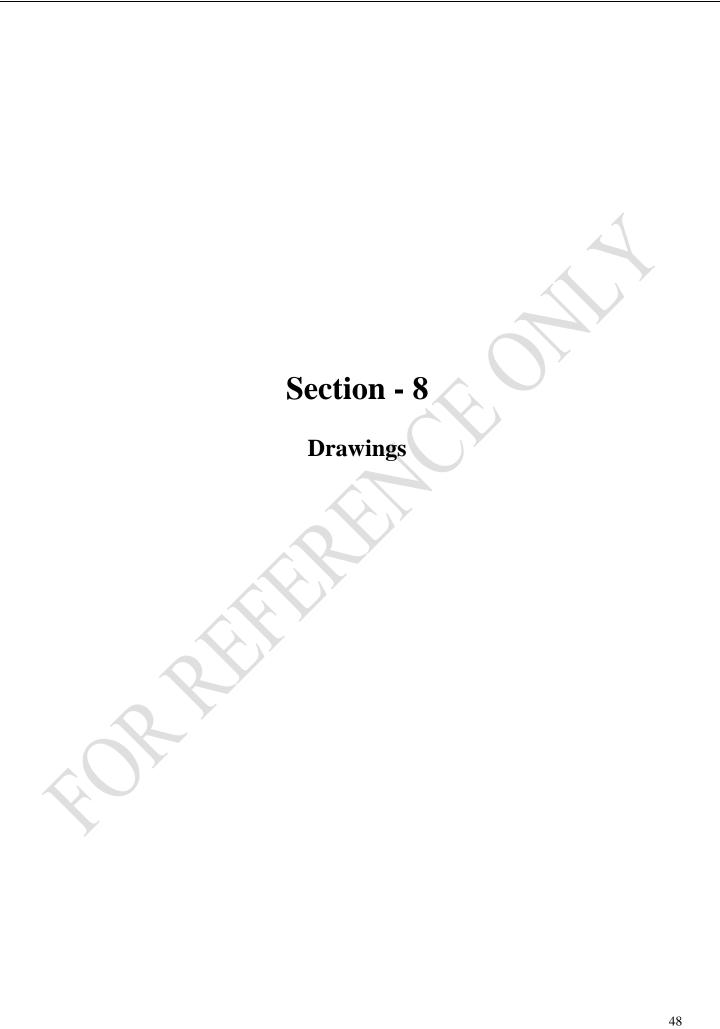
# FORM FROM THE BANK FOR GRANTING THE REVOLVING LINE OF CREDIT

[In Letterhead of the bank]

FROM	:	
ТО	:	Director General
10	•	Road Development Authority (RDA)
		1 <sup>st</sup> Floor, "Maganeguma Mahamedura",
		216, Denzil Kobbekaduwa Mawatha,
		Battaramulla, Sri Lanka
case of awa	ard to the	ne bank for providing a line of credit in favour of
Dear Sir,		
,		
		ing line of credit for an amount of Sri Lanka Rupees
under the KANKOTIN RDA/RM&! taken over by	Contract YAWAT M/WP/G y the RDA	
Signature at		al of the Bank:
Name Designation Name of the	 Organiza	
	ĺ	
Witness:		
Name		NIC No Signature
<sup>1</sup> Name of E	Beneficia	ry / Bidder
<sup>2</sup> Name of E	Bank	

Note - Does not provide it strictly according to given Form shall be treated as non responsive Revolving Line of Credit

<sup>3</sup> Name of Beneficiary / Bidder



## **Check List for Bidders**

	ITB clause	Yes	Reference
Form of Bid			
Completed?	18		
Signed?	18		
No of addendum issued (taken to form of Bid)			
Bid security			
Addressed to the Employer?	16	4	1
Format as required?	16		
Issuing agency as specified?	16		
Amount as required?	16		
Validity 28 days beyond the validity of bid?	16		
Qualification information			
Copy of ICTAD Registration? (Registration No, Grade, Specialty, Expiry Date)	4		
Copy of VAT registration or a letter form Inland Revenue that the Bidder is not VAT registered?	4		
Authentication of for signature (Power of Attorney)?	4		
Certified Copy of Audited Financial Statements for the last five years? (Construction turn over for last five years; Current assets and current liabilities for last year)	4		
A letter from a <u>Bank</u> on the provision of credit facilities?	4		
The Affidavit For The Current Contractual Commitments?	4		
Construction Programme and Cash Flow Chart?	4		
Similar work completed in last 10 years	4		
Major items of construction equipment proposed	4		
Qualification and Experience of key staff	4		
Addendum			
Content of addendum (if any) taken in to account?	10		
Bid package			
All the documents given in ITB clause 12 enclosed in the original and copy?	12		
ITB clause 19 followed before sealing the bid package?	19		