# DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF HIGHWAYS

#### ROAD DEVELOPMENT AUTHORITY



## BIDDING DOCUMENT FOR

CONSTRUCTION OF AHUNGALLA GALLENA BRIDGE AND BRIDGE ACROSS GINTOTA KOPPA ELA - ELABADA CONTRACT NO: RDA/South/Gall/GSP/CECB/31

| ••••• | [Name of the Bidder] |
|-------|----------------------|

**BID SUBMITTED BY** 

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#### **DETAILS OF PROJECT LOCATION**

### AHUNGALLA GALLENA BRIDGE



From LB Side



From U/S Side



From D/S Side



SITE DATA



SITE DATA

District – Galle DS Division – Balapitiya EE Division – Galle

GPS Location of site: N - 6.315676 & E - 80.047674

### BRIDGE ACROSS GINTOTA KOPPA ELA - ELABADA



From LB Side

District – Galle DS Division – Galle 4 Gravets EE Division – Galle

GPS Location of site: N - 6.063663 & E - 80.185374

### **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): -

STANDARD BIDDING DOCUMENT

PROCUREMENT OF WORKS

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

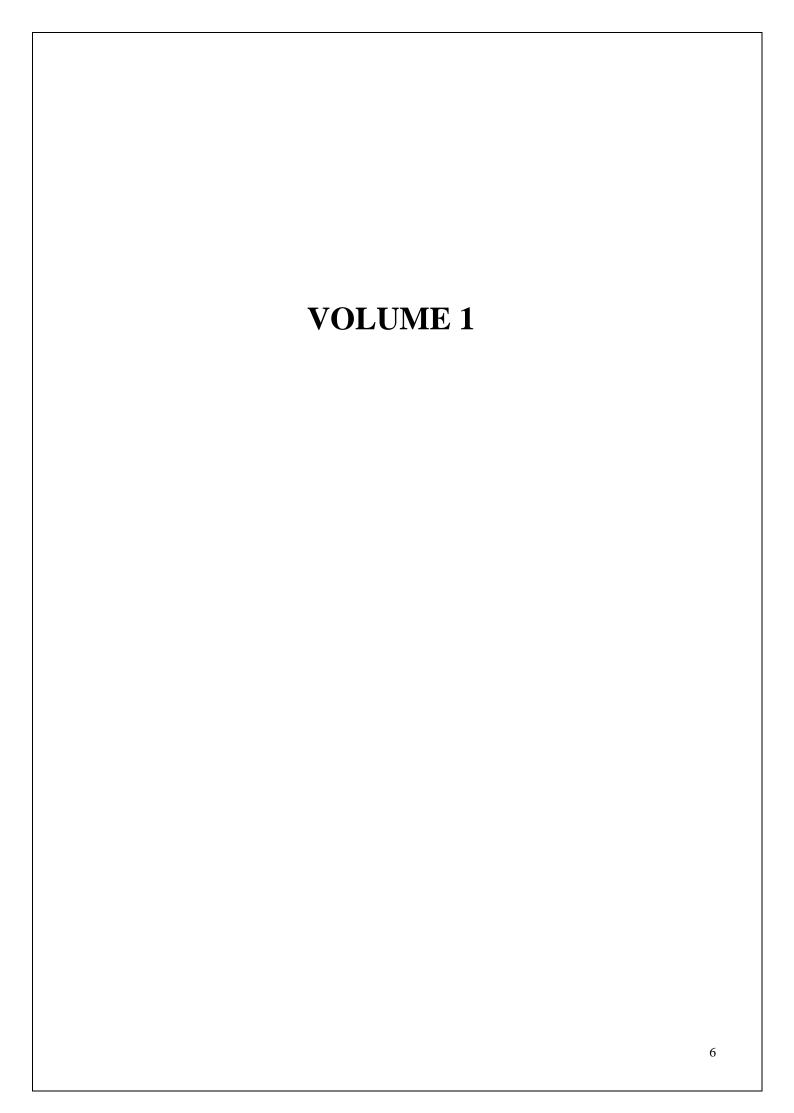
**CIDA** 

- CIDA PUBLICATION NO. CIDA/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' CIDA Publication No. CIDA/SBD/01 – Second Edition – January 2007 with Addendum issued in October 2009 by CIDA

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 CIDA 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 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  |
| You are hereby instructed to proceed with the execution of the said Works in accordance with the Contract Documents. |
| The Start Date shall be  |
| The amount of Performance Security is  |
| The Performance Security shall be submitted on or before   |
|  |
| Director General<br>Road Development Authority   |

### FORM OF PERFORMANCE SECURITY

(Unconditional)

| [Issuing Agency's Name, and Address of Issuing Branch or Office]   |
|--|
| [Issuing Agency's Name, and Address of Issuing Brunch or Office]   |
| <b>Beneficiary:</b> Director General, Road Development Authority (hereinafter called and referred to as "the Employer") 1st 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   |
| intended completion date ] 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  | , situated at r called and |
|---|----------------------------|
| Whereas the Employer desires that the Contractor executes the 'Construction of Ahungalla Galler Bridge across Gintota Koppa Ela - Elabada ' under Contract No: RDA/South/Gall/Gall/GSP/CECB/3 called and referred to as "the Works") and the Employer has accepted the Bid by the Contract execution and completion of such Works and remedying of any defects therein. | 1(hereinafter              |
| NOW THIS AGREEMENT WITNESSETH as follows:   |                            |
| 1. In this Agreement words and expressions shall have the same meanings as are respectively them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and construed as part of this Agreement.   | _                          |
| 2. In consideration of the payments to be made by the Employer to the Contractor as hereinafte the Contractor hereby covenants with the Employer to execute and complete the Works and  |                            |
| 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 of the Works and remodying of defects therein, the Contract Price or such other sum as a   | _                          |
| of the Works and remedying of defects therein, the Contract Price or such other sum as a  | _                          |

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: Chairmen
Road Development Authority

Authorized Signatory of Contractor

Common Seal On behalf of the Employer

In the presence of Witness: In the presence of Witness:

Name

......

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 (hereinafter called and referred to as "the Employer") 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 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 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 <sup>st</sup> Floor, Maganeguma Mahamedura",216, Denzil Kobbekaduwa Mawatha, Battaramulla. Date: |
|---|
| RETENTION MONEY GUARANTEE No.:  |
| Name, Signature and the Seal of the Agency: Name of the Organization  Designation  Date:  Witness:  Name NIC No Signature  Name NIC No Signature                      |

### **Section - 3**

### **Conditions of Contract**

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

'Standard Bidding Document Procurement of Works'

CIDA Publication No. CIDA/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 CIDA 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

### DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA INVITATION FOR BIDS

### GOVERNMENT OF THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA MINISTRY OF HIGHWAYS

#### NATIONAL COMPETITIVE BIDDING

1. The Chairman, Ministry Procurement Committee 2 (MPC 2) of Ministry of Highways, now invites sealed bids from eligible and qualified bidders for theworks described below: -

| Ref.<br>No. | Contract No.                                      | Name of the contract  | RDA EE Area/<br>District                | Engineer's Estimate (Including contingencies & without VAT) / (LKR Mn) | Contract<br>period<br>(Calendar<br>Days) | CIDA<br>Grade | Non-<br>Refundable<br>Fee | Bid Security<br>(LKR.) |
|-------------|---|---|---|--|--|---------------|---------------------------|------------------------|
| 1           | RDA/N.Cent/<br>Kuru,Put/GS<br>P/CECB/29           | Bridge across Warawewa     Spill Canal on Mahagalkaduwala     Galawewa Road in Kurunegala      Bridge in Kottukachchiya - Kachchimaduwa Road in   | Kurunegala /<br>Kurunegala<br>Puttalam/ | 58.33  | 270                                      | C4<br>&<br>C3 | 12,000/-                  | 800,000/-              |
|             |   | Puttlam   | Puttalam                                |  |  |               |                           |                        |
| 2           | RDA/N.West<br>/Put/Put/GSP/<br>CECB/30            | Construction of Bridge Across<br>MeeOya in Kaladiya -<br>Muriyakulama road  | Puttalam/<br>Puttalam                   | 76.89  | 365                                      | C4<br>&<br>C3 | 16,000/-                  | 1,100,000/-            |
| 3           | RDA/South/<br>Gall/Gall/GS<br>P/CECB/31           | Construction of AhungallaGallena Bridge     Construction of Bridge across GintotaKoppa Ela - Elabada Bridge   | Galle/ Galle                            | 37.90  | 150                                      | C5<br>&<br>C4 | 7,500/-                   | 550,000/-              |
| 4           | RDA/South/<br>Gall.Mt/GSP/<br>CECB/32             | Construction of Bridge across     Thuduwegoda Ela     Construction of Bridge near     Wellawaththa     Construction of     RajawaththaAladeniya Bridge     Reconstruction of     Waththehena Bridge by     replacing with a concrete deck | Galle / Galle  Deniyaya /  Matara       | 86.64  | 270                                      | C4<br>&<br>C3 | 18,000/-                  | 1,250,000/-            |
| 5           | RDA/Central/<br>N.<br>Eliya/Hangu/G<br>SP/CECB/33 | 1. MadaArawa Bridge   | Hanguranketha<br>Nuwaraeliya            | 33.00  | 210                                      | C4<br>&<br>C3 | 6,500/-                   | 450,000/-              |
| 6           | RDA/West/K<br>alu/Agala/GS<br>P/CECB/34           | Construction of Bridge across<br>Alternative Road connecting to<br>IhalaHewessa - Neluwa Road   | Agalawatta /<br>Kaluthara               | 41.15  | 270                                      | C5<br>&<br>C4 | 8,500/-                   | 600,000/-              |

- 2. Rehabilitation and Improvement activities (the works) will include but not limited to the following:
  - Site Clearing and Excavation;
  - Bridge/ Culvert Construction with access Roads.
  - Drainage construction / improvements;
  - Relocation of utilities

- 3. Bidding will be conducted through the National Competitive Bidding Procedure. The regional preference and CIDA grade preference shall apply only for the contract packages where Engineer's Estimate is less than Rs. 50 Mn, as stipulated in Public Finance Circular No. 04/2016 (ii).
- 4. To be eligible for contract award, the successful bidder shall not have been blacklisted and shall be currently registered with the Construction Industry Development Authority formerly named as Institute for Construction Training and Development (ICTAD) for **Bridgeor Highway Construction** in **above** grades.
- 5. Interested bidders may obtain further information and inspect the bidding documents during office hours (from 09:00 hrs to 15:00 hrs Monday to Friday inclusive, except Public Holidays)from Additional Secretary (Engineering), Ministry of Highways, 7th Floor, "MaganegumaMahamadura", DenzilKobbakaduwaMawatha, Battaramulla. TP: 011-2887463, 011-2887543, Fax: 011-2887464.] or relevant Provincial Director Office.
- 6. A complete set of Bidding Documents in English language shall be purchased by <u>interested</u> bidders on submission of a written application with the registration certificate issued by Registrar of Public contracts under the Act No. 3 of 1987, Department of Registrar Companies for Contracts, from the **Additional Secretary (Engineering), Ministry of Highways, 7<sup>th</sup> Floor, "MaganegumaMahamadura", DenzilKobbakaduwaMawatha, Battaramulla or relevant Provincial Director Office from06<sup>th</sup> December 2021 until22<sup>nd</sup> December 2021during 09:00 hrs to 15:00 hrs upon payment of a non-refundable fee. The non refundable tender fee can be paid by depositing cash to the following account.**

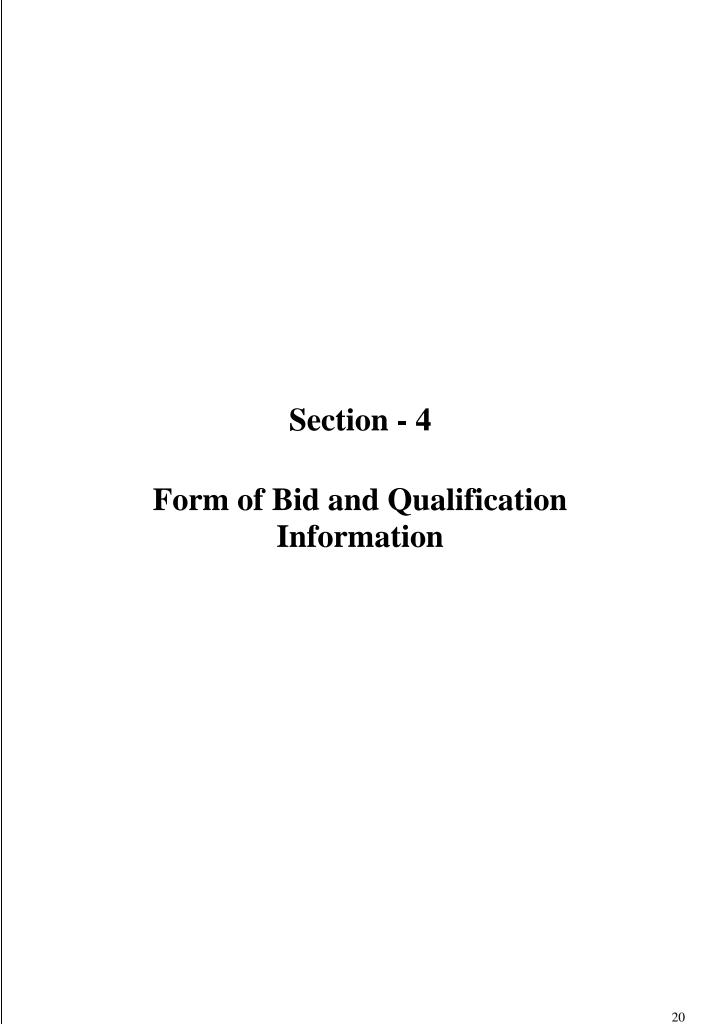
a. Account Name : Secretary – Ministry of Highways

b. Account Number : 0007040370

c. Bank Name : Bank of Ceylon- Battaramulla

- 7. Pre-bid meeting will be held at the office of the relevant Provincial Director, Road Development Authority as specified in the bidding document at 10.00 a.m. on 17<sup>th</sup> December 2021 and Site visit will be arranged if necessary.
- 8. Bid shall be addressed to the Chairman, Ministry Procurement Committee 2, C/o Additional Secretary (Engineering), Ministry of Highways, 7thFloor, "MaganegumaMahamedura", DenzilKobbekaduwaMawatha, Battaramulla in duplicate on or before 14:00 hrs on 23rd December 2021 together with bid security as described in the bidding document. Late bids will be rejected. Bid opening to be done soon after the closing of bids at the Engineering Division, Ministry of Highways, 7thFloor, "MaganegumaMahamedura", DenzilKobbekaduwaMawatha, Battaramulla.
- 9. The bidder shall bear all costs associated with the preparation and submission of its Bids, and the Employer shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

The Address Referred to above is
The Chairman,
Ministry Procurement Committee 2,
C/o Additional Secretary (Engineering)
Ministry of Highways,
7th Floor, MaganegumaMahamedura,
DenzilKobbekaduwaMawatha,
Battaramulla.
02.12.2021



#### **FORM OF BID**

### CONSTRUCTION OF AHUNGALLA GALLENA BRIDGE AND BRIDGE ACROSS GINTOTA KOPPA ELA - ELABADA

UNDER Contract No: RDA/South/Gall/Gall/GSP/CECB/31

**To**: Director General, Road Development Authority,

| Gentl | lemen, |
|-------|--------|
|       |        |

| Gentiemen,  |  |
|---|--|
| Edition Biddi the extended Work Special Rupes   | ing examined the Standard Bidding Document-Procurement of Works (ICTAD/SBD/01-Second on January 2007 with Addendum of SBD/01 issued in October 2009 by ICTAD) along with the ing Data, Contract Data, Specifications, Drawings and Bill of Quantities and addenda Nos for execution of the above-named Works, we the undersigned, offer to execute and complete such its and remedy any defect therein in conformity with the aforesaid Conditions of Contract, fications, Drawings, Bill of Quantities and addenda Nos for the sum of Sri Lankan es*  |
| •••••   | (SLRs. *   |
| includ  | de physical & Price Contingencies and provisional sums but excluding VAT) or such other sums   |
| as ma   | by be ascertained in accordance with the said Conditions.  |
| <ul><li>complete</li><li>4. We agree which we expiration</li><li>5. Unless ar acceptanc</li></ul> | rtake, if our Bid is accepted, to commence the Works as stipulated in the Contract Data, and to the whole of the Works comprised in the Contract within the time stated in the Contract Data. It to abide by this Bid with in the date specified in ITB clause 15.1 or any extended period to be may agree and it shall remain binding upon us and may be accepted at any time before the nof that period. In duntil a formal Agreement is prepared and executed, this Bid together with your written the there of shall constitute a binding contract between us. It is stand that you are not bound to accept the lowest or any Bid you may receive. |
|   | day of   |
| Name  | :(IN BLOCK CAPITALS)   |
| Signature   | :  |
| Designation   |  |
| Address   | :  |
| Witness   | : 1.Name   |
|   | =.1 (willy   |

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

#### \*\*Bid signed by a person other than the authorized person shall be 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)   |  |  |  |
| Construction Program  | (Attach as annex 11)   |  |  |  |
| Legal Status(Please attach photo copy of original documents as annex)           | (Attach as Annex 03)   |  |  |  |
| Authentication of Signatory   | (Attach original with form of bid & a photo copy as annex -04) |  |  |  |
| Value Of Construction works performed (Attach copy of Audited Financial Report) | (Attach as Annex 05)   |  |  |  |
| Year 2019/2020  |  |  |  |  |
| Year 2018/2019  |  |  |  |  |
| Year 2017/2018  |  |  |  |  |
| Year 2016/2017  |  |  |  |  |
| Year 2015/2016  |  |  |  |  |
|   |  |  |  |  |

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

(Attach as annex 06)

|             | Contract | Name of the<br>Client | Initial Contract<br>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

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> Provide additional speciality, to include all the current projects

#### **Financial Data**

#### As per Latest Audited Financial Statement

| 1  | Current Assets                           |  |
|----|--|--|
| 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 equal or greater than 50% of minimum amount of the Liquid Asset (i.e. Rs. 9 million). Line of Credit shall be provided only to satisfy the balance amount of the required amount of the Liquid Asset.

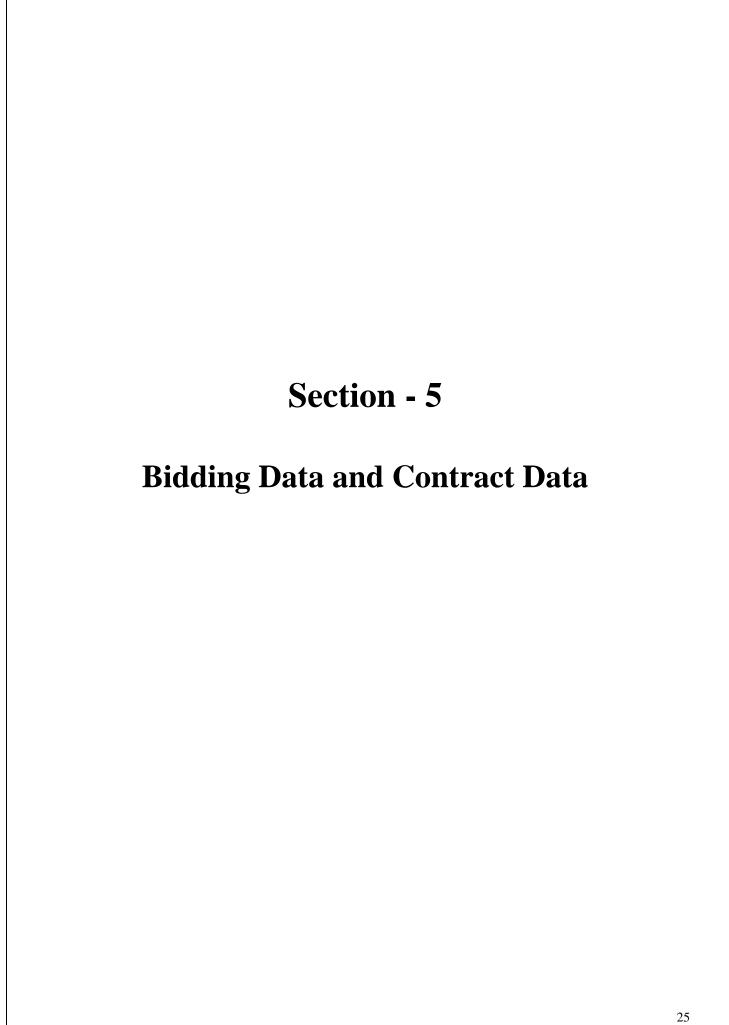
# Similar Work Experience, Construction Equipment Proposed and Qualification & Experience of Key staff

| Similar work completed in last 05 years           | Value                |  |  |
|---|----------------------|--|--|
| ( Attach LOA, Completion Certificate,             | Year                 |  |  |
| documents to confirming similarity of work)       | Employer             |  |  |
| •   | Completed Date       |  |  |
|   | Description of work  |  |  |
|   | (Attach as annex-08) |  |  |
| Major Items of Construction Equipment<br>Proposed | 1. TypeCapacity      |  |  |
| (Attach as annex-09)                              | 2. TypeCapacity      |  |  |
|   | 3. TypeCapacity      |  |  |
|   | 4. 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<br>sub-contractors  | Description & location of similar works previously executed |
|---------------------|--------------------------------------|----------|---|---|
|                     |                                      |          |   |   |
|                     |                                      |          |   |   |
|                     |                                      |          |   |   |
| Personnel Data      |                                      |          |   |   |
| Name of Institution |                                      |          |   |   |
| Address             |                                      |          |   |   |
| Telephone           |                                      |          |   |   |
| Facsimile           |                                      |          |   |   |
| Email address       |                                      |          |   |   |
| inquiries or inves  | stigations to ve<br>o seek clarifica | rify the | uthorized representatives are h<br>statements, documents, and ir<br>m our banks, any other agency |   |
| Signature of the    | Bidder                               |          | D   | Pate  |



#### **BIDDING DATA**

#### Clause 1, Scope of Bid

#### Clause 1.1

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

b) 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: gmo@ rda.gov.lk

The Scope of the Work is **to** Construction of Ahungalla Gallena Bridge and Bridge across Gintota Koppa Ela - Elabada

The work consists of Construction of Ahungalla Gallena Bridge and Bridge across Gintota Koppa Ela - Elabada

The Site is located at Balapitiya, Galle Electorates in Galle district.

#### Clause 1.2

Time for completion is **150 Days** from the Start Date:

#### Clause 1.3

- a) The Bidding Documents shall be inspected from Additional Secretary (Engineering), Ministry of Highways, 7<sup>th</sup> Floor, "Maganeguma Mahamedura", Denzil Kobbekaduwa Mawatha, Battaramulla or from Provincial Director (Southern) ,Road Development Authority, Meddewatta, Matara **06/12/2021 to 22/12/2021**
- b) The non-refundable tender fee is **Rs.7,500/-** can be paid by depositing cash to the following account

a. Account name : Secretary – Ministry of Highways

b. Account number : 0007040370

c. Bank Name : Bank of Ceylon- Battaramulla.

c) The Bidding Documents shall be collected during working hours from 09.00 Hrs to 15.00 Hrs from the office of the Additional Secretary (Engineering), Ministry of Highways, 7<sup>th</sup> Floor, "Maganeguma Mahamedura", Denzil Kobbekaduwa Mawatha, Battaramulla or Provincial Director (Southern), Road Development Authority, Meddewatta, Matara from **06/12/2021** to **22/12/2021**.

#### 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 C5 & C4 grades in Highway/ Bridges 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)
- Audited Financial Statement for latest five years
- Evidence of adequacy of working capital for this contract (liquid assets & other)
- Experience in a work of similar <u>nature and size</u> in the last ten years
- Work in hand and expected completion date
- 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 carryout 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

#### Clause 4.4

- Average annual volume of construction work performed during the last five years shall be at least **Rs.** 56 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 the 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. 16 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. 18 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 equal or greater than 50% of minimum amount of the Liquid Asset (i.e. Rs. 9 million). Line of Credit shall be provided only to satisfy the balance amount of the required amount of the Liquid Asset.

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.

#### C. PREPARATION OF BID

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

- a. Additional Secretary (Engineering), Ministry of Highways, 7<sup>th</sup> Floor, "Maganeguma Mahamedura", Denzil Kobbekaduwa Mawatha, Battaramulla T: 011 2868703, Fax No. 011 2864958
- b. Provincial Director (Southern), Road Development Authority, Meddewatta, Matara. T.P.No: 041-2222150.

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 **<u>subjected</u>** to price adjustment in accordance with Clause 47 of the Conditions of Contract.

#### **Clause 15.1**

The bid shall be valid up to **91days from closing of Bid.** 

#### 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. 550,000** /-
- Valid until 28 Days beyond the validity of the Bid
- Issued by an agency acceptable to the Employer using the form for bid security (unconditional guarantee) included in Section 9 Standard Forms.
- 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 (Southern), Road Development Authority, Meddewatta. (T.P.No: 041-2222150, Fax No: 041-2222413) at 10.00 a.m. on **17/12/2021** 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, Ministry Procurement Committee C/o Additional Secretary (Engineering), Ministry of Highways, 7<sup>th</sup> Floor, "Maganeguma Mahamedura", 216, Denzil Kobbekaduwa Mawatha, Battaramulla

Clause 19.2 (b) the name of the Contract is 'Construction of Ahungalla Gallena Bridge and Bridge across Gintota Koppa Ela - Elabada ',

Contract No: RDA/South/Gall/Gall/GSP/CECB/31

#### **Clause 20.1**

The deadline for submission of bids shall be 14.00 hrs. on 23/12/2021.

#### **E: BID OPENING AND EVALUATION**

Add new Clause

#### **Clause 29.6**

Bid opening to be done soon after the closing of bids.

To ensure that the bids are not unrealistic, following criteria shall be adopted;

- (a) If the bid value is 11% to 19% less than the engineer's estimate, the Performance bond should be increased by 5%.
- (b) If the bid value is 20% to 29% less than the engineer's estimate, the Performance bond should 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.

#### Add new Clause

#### **Clause 29.7 State Owned Enterprises Preferences**

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

#### F: 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 or CGF. The amount of Performance Security is 5% (Five percent) of the Initial Contract Price subjected to Public Finance Circular no. 03/2020 (i) (paragraph 3.1.V) dated 11.01.2021. 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.

  Address: Road Development Authority, "Maganeguma Mahamedura", 216, Denzil Kobbekaduwa Mawatha, Battaramulla.
  - a. Name of Representative of the Employer is Provincial Director (Southern), Road Development Authority, Meddewatta
- 1.1 The Engineer for the Contract is Central Engineering Consultancy Bureau (CECB)
  Address: NO- 415, Bauddaloka Mawatha Colombo 7
  Engineer's Representative: Will be notified later
- 1.1 The Work consists of Construction of Ahungalla Gallena Bridge and Bridge across Gintota Koppa Ela Elabada

The scope of the work is Construction of Ahungalla Gallena Bridge and Bridge across Gintota Koppa Ela - Elabada

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. & 5 years

working experience in similar Nature.

b. Contract Administration Technical Supervisors with 5 years' experience,

Quantity Surveyor with 3 years working experience

- 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 **150 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 Notification Period is 1 Year.

- 39.2 Engineer may order variations up to a total cumulative value of not exceeding the contingencies provided in the priced BOQ.
- 43.1 Replace the second sentence of Clause 43.1 "The Employer shall pay **56** 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 Contract Price is subject to price adjustment.

Input proportions (Px Values) shall be computed by the contractor by using the ICTAD document for preparing Px values, before end of first month and submit engineer for approval. Only the approved Px values shall be used for calculating Price Adjustments.

Non-adjustable elements shall be:

Bill No.1 – Item 1.1–1.14 Bill No.2 – Item A.1.2, A.1.8, A.1.9, A.2.3, A.2.4 Bill No.3 - Item C.8

Bill No.4 – All Day Work items

Non- adjustable items are Bill no.01, Day works. Lump sum items and provisional sum 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. 18,000/-** 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.

The Performance Security shall be 5% percent of the Initial Contract Price (subjected to Public Finance Circular no. 03/2020 (i) (paragraph 3.1.V)) and shall be issued by a Bank or CGF 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.
- 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 to plus an administrative charge of 10% on the invoiced cost will be paid to the Contractor for Provisional Sum of the Bill of Quantities."

#### 120 AS BUILT DRAWINGS

#### 120.1 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.

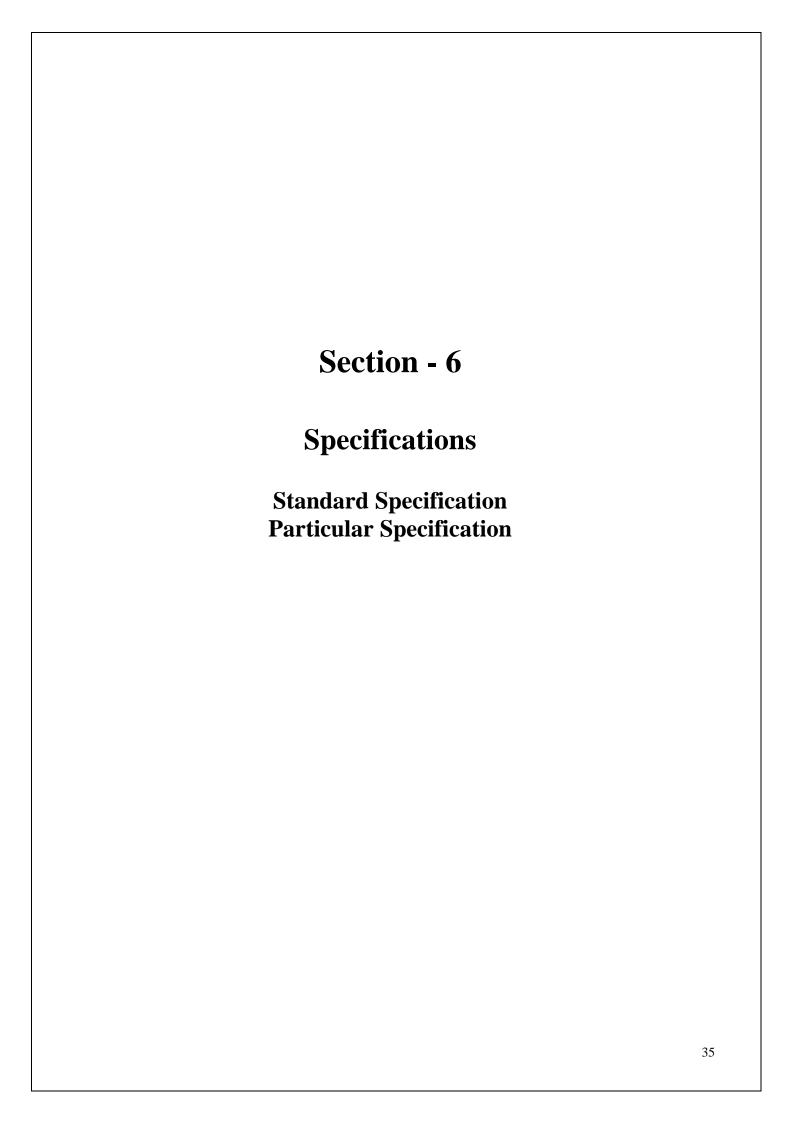
#### 120.2 Construction Requirement

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

- (a) All as-built for projects are required to be on 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.

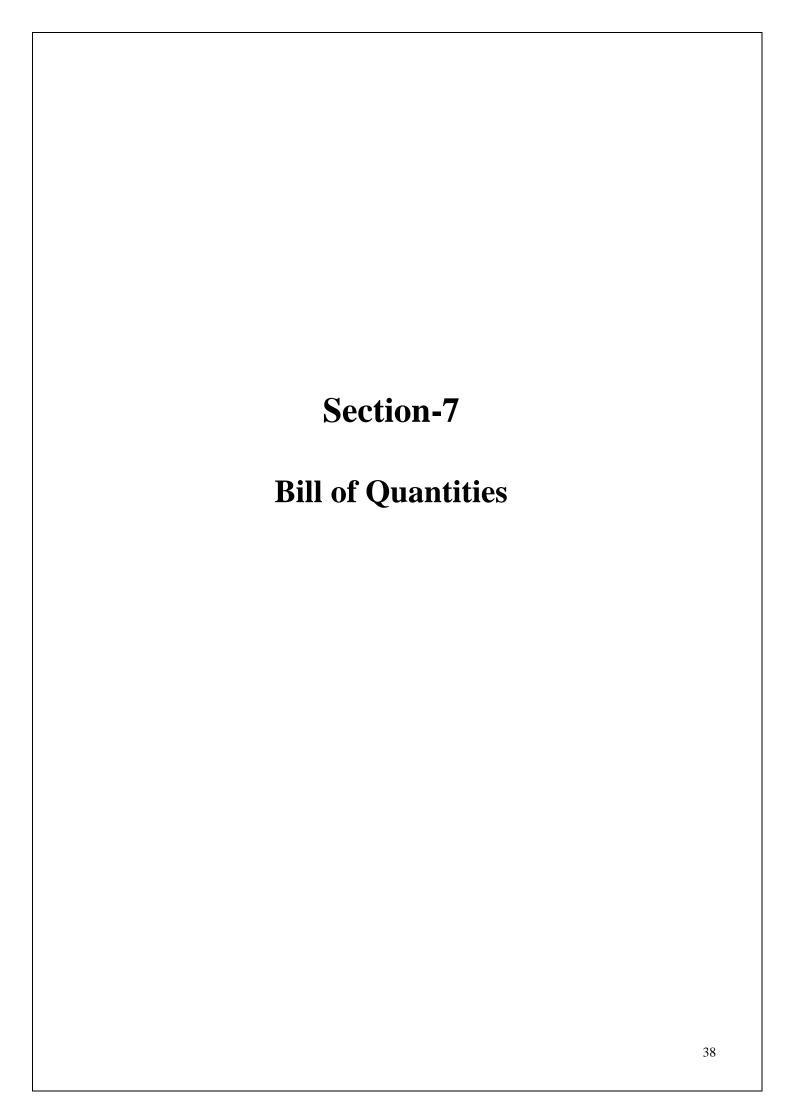
#### 120.3 Measurement & Payments

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.



|       | STANDARD SPECIFICATIONS   |
|-------|---|
|       |   |
| The S | tandard Specifications comprise 'Standard Specifications for Construction and Maintenance o |
| Roa   | ads 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.       |
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| 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. |
| Specifications shall apply in rain.   |
| Where there is an ambiguity or discrepancy between the Particular Specifications and the Standard                                       |
| Specifications, the Particular Specifications shall prevail.  |
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#### **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.
  - 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 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 km Kilometre Linear Metre m  $m^2 or sqm$ Square Metre Cubic Metre m<sup>3</sup> or cum Numbers nos. L.S Lump Sum Provisional Sum P.S Month mth. ltr. Litre 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**

# CONSTRUCTION OF BRIDGES IDENTIFIED UNDER "GAMA SAMAGA PILISANDARAK" PROGRAMME

| Province | Southern |
|----------|----------|
| District | Galle    |

#### **Summary Of Bill of Quantities**

- 2. Ahungalla Gallena Bridge
- 3. Bridge across Gintota Koppa Ela Elabada RDA/South/Gall/GSP/CECB/31
- 1. Common Preliminaries for the whole package

**Sub Total 01** 

#### 2. Ahungalla Wella Bridge

| Bill No   | Description                            | Amount |
|-----------|--|--------|
| Bill No 1 | Preliminary & General                  |        |
| Bill No 2 | Site Clearing                          | -      |
| Bill No 3 | Construction of Approch Road           |        |
| Bill No 4 | Construction of Bridge Sub-Structure   |        |
| Bill No 5 | Construction of Bridge Super-Structure |        |
| Bill No 6 | Miscellaneous                          | -      |
| Bill No 7 | Day Works                              |        |
|           | Sub Total 02                           |        |

#### 3. Elabada Bridge

| 3. Liubudu Di iug | 50                                     |              |
|-------------------|--|--------------|
| Bill No 1         | Preliminary & General                  |              |
| Bill No 2         | Site Clearing                          |              |
| Bill No 3         | Construction of Approch Road           |              |
| Bill No 4         | Construction of Bridge Sub-Structure   |              |
| Bill No 5         | Construction of Bridge Super-Structure |              |
| Bill No 6         | Miscellaneous                          | -            |
| Bill No 7         | Day Works                              |              |
|                   | Sub Total 03                           | -            |
| A                 | Sub Total- 01 (Sub Total 01+02+03)     |              |
| В                 | Total of Provisional sums              | 2,926,080.00 |

| С | Sub Total-02 without Provisional sums (A-B)     |  |
|---|---|--|
| D | Discount if any Amount in words                 |  |
| E | Sub Total 03 (C-D)                              |  |
| F | Sub Total 04 with provisional sums (B+E)        |  |
| G | Allow for Physical Contingencies 10% (10% of F) |  |
| Н | Allow for Price Contingencies 4% (4% of F)      |  |
| Ι | Bid Price (F+G+H) without VAT                   |  |

| Amount in words:    |       |  |
|---------------------|-------|--|
| Name of the Bidder: |       |  |
| Signature :         |       |  |
| Rubber Stamp:       | Date: |  |

### 1. Common Preliminaries for the whole package

| ITEM<br>NO   | DESCRIPTION                             | UNIT | QTY  | RATE  | AMOUNT<br>RS. Cts. |  |  |
|--|---|------|------|-------|--------------------|--|--|
| BILL   | NO - 01 PRELIMINARY AND GENERAL         |      |      |       |                    |  |  |
| 1.2  | Provide all necessary Insurances        | LS   | Item | Allow |                    |  |  |
| 1.3  | Provide all necessary Bonds, Securities | LS   | Item | Allow |                    |  |  |
| SUB TOTAL -01 Preliminaries Common for the Package |   |      |      |       |                    |  |  |

| BILL NO - 01 PRELIMINARY AND GENERAL  1.1 LS1 P-001 Allow for Mobilization and Demobilization of Contractors facilities, plant and equipment  Allow sum for Environmental           | Allow Allow | AMOUNT<br>RS. Cts. |
|---|-------------|--------------------|
| 1.1 LS1 P-001 Allow for Mobilization and Demobilization of Contractors LS Item facilities, plant and equipment  |             |                    |
| 1.1 LS1 P-001 Demobilization of Contractors LS Item facilities, plant and equipment   |             |                    |
| Allow sum for Environmental   | Allow       |                    |
| 1.4 LS4 P-002 Anow sum for Environmental LS Item  |             |                    |
| 1.5 LS5 302(10) Allow sum for Construction of necessary cofferdams, shoring, dam construction and bracing and their subsequent removal LS Item                                      | Allow       |                    |
| 1.6 LS6 302(11) Allow sum for Dewatering LS Item  | Allow       |                    |
| Allow for traffic safety & control providing, erecting and  1.7 PS1 103(1a) maintaining barricades, road signs, markings, lights etc. (As per RDA Traffic control manual Part - 11) | Allow       | 302,400.00         |
| 1.9 PS3 118(1) Provide & maintain Project Name Board (2 m x 1.0m) PS Item   | Allow       | 22,120.00          |
| 1.10 PS4 203(3) Allow for relocation of Public Utilities PS Item  | Allow       | 110,000.00         |
| 1.11 PS5 P-003 Dismentle the Existing Massonary Structures, Concrete Structures, PS Item Steel Structures & Culvert pipes   | Allow       | 154,000.00         |
| 1.12 PS6 P-004 Allow sum for Surveying, Investigation & Design ( PS Item Preparation of Shop Drawings)  | Allow       | 121,000.00         |
| 1.15 PS8 109(1) Allow sum for Quality Control PS Item   | Allow       | 231,000.00         |
| 1.16 PS10 Fixing of Steel Fence PS Item   | Allow       | 450,000.00         |
| SUB TOTAL BILL NO -01 PRELIMINARY AND GENERAL   |             |                    |
| BILL NO - 02 SITE CLEARING  |             |                    |
| Clearing and grabbing inclusive of removing top soil to an average depth of 0.15m and backfilling/trenches caused by removal of stumps  |             |                    |
| SUB TOTAL BILL NO - 02 SITE CLEARING  |             |                    |
| BILL NO - 03 CONSTRUCTION OF APPROCH ROAD   | <u>.</u>    |                    |
| EARTH WORKS   |             |                    |
| 3.1 RA-06 301(1) Roadway excavation, soil suitable for fill roadway excavation Cu.m 45.00   |             |                    |
| 3.2 RA-07 301(1)a Roadway excavation, soft soil Cu.m 22.50  |             |                    |
| 3.6 RA-11 301(11) Roadway excavation, unsuitable Cu.m 202.50  |             |                    |

| ITEM<br>NO | RATE<br>NO   | PAY<br>ITEM<br>NO | DESCRIPTION   | UNIT  | QTY    | RATE     | AMOUNT<br>RS. Cts. |
|------------|--------------|-------------------|---|-------|--------|----------|--------------------|
| 3.7        | RA-12        | 304 (1) b         | Embankment construction using material from roadway excavation Type I materials | Cu.m  | 85.50  |          |                    |
| 3.10       | RA-14        | 304(3)            | Trimming, levelling and compaction of original ground                           | Sq.m  | 100.00 |          |                    |
| 3.11       | RA-15        | 304(6)            | Embankment construction using Rock fill   | Cu.m  | 45.00  |          |                    |
| 3.12       | RA-16        | 304(4)            | Provide and place Geofabric   | Sq.m  | 75.00  |          |                    |
|            |              |                   | BASES AND SHOULDERS   |       |        |          |                    |
| 3.14       | RA-18        | 408(2)            | Scarification of existing base  | Sq.m  | 160.00 |          |                    |
|            |              |                   | CONCRETE SURFACING  |       |        |          |                    |
| 3.22       | RA-26        | 901B(1)           | Supply, laying & compacting Grade 30 Concrete layer including Formwork          | Cu.m  | 36.00  |          |                    |
|            |              |                   | GUARDSTONE FIXING   |       |        |          |                    |
| 3.25       | RA-97        | 808(5)            | Supply & fixing Guardstones   | Nos.  | 16.00  |          |                    |
| SUB TO     | L<br>TAL BII | LL NO -03         | CONSTRUCTION OF APPROCH   | ROAD  |        |          |                    |
|            |              |                   | TION OF BRIDGE SUBSTRUCTU   |       |        | <u> </u> |                    |
| 4.A        |              |                   | CONSTRUCTION OF   |       |        |          |                    |
|            |              |                   | ABUTMENT & WING WALLS FOUNDATION,SUB STRUCTURE & CAPPING BEAM                   |       |        |          |                    |
| 4.A.1      | RA-29        | 302(1)            | Excavation for structures, soil suitable for backfill                           | Cu.m. | 8.00   |          |                    |
| 4.A.2      | RA-30        | 302(2)            | Excavation for structures, Soft rock  | Cu.m  | 1.60   |          |                    |
| 4.A.4      | RA-32        | 302(4b)           | Excavation for structures, Hard rock (Using Explosive)                          | Cu.m  | 0.40   |          |                    |
| 4.A.5      | RA-33        | 302(5)            | Excavation for structures, unsuitable soil                                      | Cu.m  | 66.04  |          |                    |
| 4.A.6      | RA-34        | 302(5a)           | Excavation for structures, Marshy material                                      | Cu.m  | 4.00   |          |                    |
| 4.A.7      | RA-35        | 302(8)            | Granular Backfill for Structures  | Cu.m  | 69.98  |          |                    |
| 4.A.8      | RA-36        | P-005             | Supplying geotextile for foundation base as necessary                           | Sq.m  | 148.32 |          |                    |
| 4.A.9      | RA-37        | P-006             | Supplying & compacting ABC for foundation base as necessary                     | Cu.m  | 11.52  |          |                    |
| 4.A.10     | RA-38        | P-007             | Boulder packing for foundation base as necessary                                | Cu.m  | 66.56  |          |                    |
|            |              |                   | Concrete for Structure  |       |        |          |                    |
| 4.A.11     | RA-39        | 1001(3a)          | Concrete grade15(19 mm) as screed in foundation                                 | Cu.m. | 3.73   |          |                    |
| 4.A.12     | RA-41        | 1001 (2)          | Concrete of grade 20 (40mm) in abutment, wing wall (Mass Concrete wall)         | Cu.m. | 85.83  |          |                    |

| ITEM<br>NO | RATE<br>NO | PAY<br>ITEM<br>NO | DESCRIPTION  | UNIT    | QTY    | RATE | AMOUNT<br>RS. Cts. |
|------------|------------|-------------------|--|---------|--------|------|--------------------|
| 4.A.14     | RA-43      | 1001 (1)          | Concrete of grade 25 (20mm) in abutment, wing wall Base (Mass Concrete)                                      | Cu.m.   | 22.34  |      |                    |
| 4.A.17     | RA-46      | 1001 (1)          | Concrete of grade25(19mm) in<br>Capping beams,ballast wall and<br>curtain walls in Mass concrete<br>Abutment | Cu.m.   | 4.40   |      |                    |
|            |            |                   | Formwork   |         |        |      |                    |
| 4.A.20     | RA-49      | 1008(2)           | Rough finish formwork for abutments & Wing walls Base  | Sq.m    | 28.86  |      |                    |
| 4.A.22     | RA-51      | 1008(1)           | Smooth finish formwork for abutment, wing walls, capping beams,ballast wall and curtain wall                 | Sq.m    | 209.08 |      |                    |
|            |            |                   | Reinforcement  |         |        |      |                    |
| 4.A.24     | RA-53      | 1002(1)           | Fabricating & laying tor steel r/f for abutments, wing walls, capping beams, ballast wall and curtain wall   | Tonnes  | 1.19   |      |                    |
|            |            |                   | Weep holes   |         |        |      |                    |
| 4.A.27     | RA-56      | 706(1)            | Forming weep holes using type 400 PVC pipe of internal dia. Not less than 110mm                              | L.m     | 31.40  |      |                    |
|            |            |                   | Drainage & Backfilling   |         |        |      |                    |
| 4.A.28     | RA-57      | 705(1)            | Backfill using aggregate 50~200mm for dry stone lining behind abutment & wing walls                          | Cu.m    | 36.62  |      |                    |
| 4.A.29     | RA-58      | 705(2)            | Filter medium using aggregate 37.5mm behind abutment and wing walls  | Cu.m    | 4.32   |      |                    |
| 4.A.30     | RA-59      | 705(3)            | Clay puddle laid under the porous backfill, behind abutment and wing wall                                    | Sq.m    | 10.20  |      |                    |
| SUB TO     | TAL BII    | LL NO -04         | CONSTRUCTION OF BRIDGE SU  | JBSTRUC | TURE   |      |                    |
|            |            |                   |  |         |        |      |                    |
| BILL N     | O - 05 BR  | IDGE SUP          | PER STRUCTURE CONSTRUCTION   | ON      | T      | 1 1  |                    |
| 5.2        |            |                   | Concrete PSC Beam Superstructure   |         |        |      |                    |
| 5.2.1      | RA-63      | 1001 (1)b         | Class A concrete of grade<br>40(19mm) in Bridge Deck   | Cu.m    | 5.22   |      |                    |
| 5.2.2      | RA-96      | 1001 (1)          | Class A concrete of grade<br>25(19mm) in Footwalk  | Cu.m    | 3.38   |      |                    |
|            |            |                   | <u>Beams</u>   |         |        |      |                    |
| 5.2.4      | RA-65      | 1003(1b)          | Supplying of 9.5m long P.S.C. concrete beams   | Nos     | 7.00   |      |                    |
| 5.2.11     | RA-72      | 1003(2b)          | Launching of 9.50m long P.S.C. concrete beams  | Nos     | 7.00   |      |                    |

| ITEM<br>NO | RATE<br>NO | PAY<br>ITEM<br>NO | DESCRIPTION   | UNIT    | QTY   | RATE | AMOUNT<br>RS. Cts. |
|------------|------------|-------------------|---|---------|-------|------|--------------------|
|            |            |                   | Form work   |         |       |      |                    |
| 5.2.19     | RA-80      | 1008(1b)          | Smooth finish form work for deck slab.  Reinforcements  | Sq.m    | 39.93 |      |                    |
| 5.2.20     | RA-81      | 1002(1a)          | Fabricating & laying Tor steel reinforcement  | Tonnes  | 0.63  |      |                    |
|            |            |                   | Bridge bearings   |         |       |      |                    |
| 5.2.26     | RA-87      | 1010(1)           | 75x12mm. Hard rubber bearing pads over capping beam   | L.m     | 7.00  |      |                    |
| 5.4        |            |                   | <u>Miscellaneous</u>  |         |       |      |                    |
| 5.4.1      | RA-88      | 1009(1)           | M.S. angle iron & hard rubber expansion joints (Type drawing T/B/107 rev1 of RDA)                     | L.m     | 7.00  |      |                    |
| 5.4.2      | RA-89      | 1011(1)           | Supplying & fixing 200mm long, 20mm dia. Stainless steel bars as dowels in capping beam at fixed end. | Nos     | 5.00  |      |                    |
| 5.4.4      | RA-<br>90a | 1020(1b)          | Supplying & fixing 50 mm dia.  Type 400 PVC pipes as rain water outlets through deck as per drawing.  | L.m     | 2.86  |      |                    |
| 5.4.6      | RA-92      | 1013(1)           | Bituminous sealing material supplied and laid under beam ends to prevent grout leak to capping beam.  | L.m     | 7.00  |      |                    |
| 5.4.7      | RA-97      | 1303(3)           | Painting Bridge hand rail with weather shield Emulsion Paint Two coats                                | Sq.m.   | 34.43 |      |                    |
| 5.4.8      | RA-98      | 1303(4)           | Stenciling and Numbering on Bridges   | Nos     | 2.00  |      |                    |
| 5.5        |            |                   | Approch Slab Construction   |         |       |      |                    |
|            |            |                   | Concrete  |         |       |      |                    |
| 5.5.1      | RA-93      | 1001 (1)          | Class A concrete of grade<br>25(19mm) in Approch Slab   | Cu.m    | 4.20  |      |                    |
|            |            |                   | Form work   |         |       |      |                    |
| 5.5.2      | RA-94      | 1008(2)           | Rough finish formwork for sides of Approch Slab   | Sq.m    | 2.60  |      |                    |
|            |            |                   | Reinforcements  |         |       |      |                    |
| 5.5.3      | RA-95      | 1002(1)           | Fabricating & laying Tor steel reinforcement  | Tonnes  | 0.34  |      |                    |
| SUB TO     | TAL BII    | LL NO -05         | BRIDGE SUPER STRUCTURE CO   | )NSTRUC | TION  |      |                    |

| Ahungalla Gallena Bridge |   |       |       |      |                    |
|--------------------------|---|-------|-------|------|--------------------|
| BILL N                   | O - 07 DAY WORKS                          |       |       |      |                    |
| ITEM<br>NO               | DESCRIPTION                               | UNIT  | QTY   | RATE | AMOUNT<br>RS. Cts. |
| 7.1                      | Labour                                    |       |       |      |                    |
| 7.1.1                    | Unskilled labour                          | Day   | 5.00  |      |                    |
| 7.1.2                    | Semi skilled labour                       | Day   | 5.00  |      |                    |
| 7.1.3                    | Skilled labour                            | Day   | 5.00  |      |                    |
| 7.1.4                    | Operators                                 | Day   | 5.00  |      |                    |
|                          | Total cost of Labour                      |       |       |      |                    |
| 7.2                      | Equipment                                 |       |       |      |                    |
| 7.2.1                    | Backhoe loader - 2WD, 0.15 scoop capacity | Hrs   | 5.00  |      |                    |
| 7.2.2                    | Farm Tractor with 3T trailer              | Hrs   | 10.00 |      |                    |
| 7.2.3                    | Water Bowser - 6000 ltrs                  | Hrs   | 10.00 |      |                    |
| 7.2.4                    | Concrete Mixer - 200ltrs (10/7)           | Hrs   | 10.00 |      |                    |
| 7.2.5                    | Water pump - 2 inch                       | Hrs   | 25.00 |      |                    |
| 7.2.6                    | Porker vibrator (Petrol) - 1.8m.hour      | Hrs   | 5.00  |      |                    |
| 7.2.7                    | Lorry 3 Ton - 3Ton                        | Km    | 50.00 |      |                    |
| 7.2.8                    | Plate Compactor - 80kg tamper plates      | Hrs   | 10.00 |      |                    |
| 7.2.9                    | Excavator                                 | Hrs   | 5.00  |      |                    |
|                          | Total cost of Equipment                   |       |       |      |                    |
| 7.3                      | Materials                                 |       |       |      | _                  |
| 7.3.1                    | Cement - Ordinary                         | 50kg  | 5.00  | _    |                    |
| 7.3.2                    | Aggregate for concrete (19mm)             | Cu.m. | 2.00  |      |                    |
| 7.3.3                    | Sand                                      | Cu.m. | 2.00  |      |                    |
|                          | Total cost of Material                    |       |       |      |                    |

# **Summary of Day works**

| Description  | Amount (Rs.) |  |  |
|--------------|--------------|--|--|
| 1. Labour    |              |  |  |
| 2. Equipment |              |  |  |
| 3. Material  |              |  |  |
| Sub Total    |              |  |  |

| Bridge a   | across Gir  | ntota Kopp        | oa Ela - Elabada   |         |  |          |                    |
|------------|-------------|-------------------|--|---------|--|----------|--------------------|
| ITEM<br>NO | RATE<br>NO  | PAY<br>ITEM<br>NO | DESCRIPTION  | UNIT    | QTY  | RATE     | AMOUNT<br>RS. Cts. |
| BILL NO    | O - 01 PRE  | LIMINARY          | AND GENERAL  |         | 1  | 1        |                    |
| 1.1        | LS1         | P-001             | Allow for Mobilization and<br>Demobilization of Contractors<br>facilities, plant and equipment   | LS      | Item   | Allow    |                    |
| 1.4        | LS4         | P-002             | Allow sum for Environmental monitoring and mitigation work   | LS      | Item   | Allow    |                    |
| 1.5        | LS5         | 302(10)           | Allow sum for Construction of necessary cofferdams, dam construction, shoring and bracing and their subsequent removal   | LS      | Item   | Allow    |                    |
| 1.6        | LS6         | 302(11)           | Allow sum for Dewatering   | LS      | Item   | Allow    |                    |
| 1.7        | PS1         | 103(1a)           | Allow for traffic safety & control providing, erecting and maintaining barricades, road signs, markings, lights etc. (As per RDA Traffic control manual Part - 11) | PS      | Item   | Allow    | 345,600.00         |
| 1.9        | PS3         | 118(1)            | Provide & maintain Project<br>Name Board (2 m x<br>1.0m)   | PS Item |  | Allow    | 22,120.00          |
| 1.12       | PS6         | P-004             | Allow sum for Surveying,<br>Investigation & Design (<br>Preparation of Shop Drawings)  | PS Item |  | Allow    | 649,000.00         |
| 1.13       | PS7         | P-004A            | Allow sum for Trees Plantation & maintainance  | PS      | Item   | Allow    | 4,840.00           |
| 1.15       | PS8         | 109(1)            | Allow sum for Quality Control  | PS      | Item   | Allow    | 264,000.00         |
| 1.16       | PS10        | I NO 01 D         | Fixing of Steel Fence  | PS      | Item   | Allow    | 250,000.00         |
|            |             |                   | RELIMINARY AND GENERAL   |         |  | <u>_</u> |                    |
| BILL NO    | ) - 02 SITI | E CLEARII         |  |         | 1  |          |                    |
| 2.1        | RA-01       | 201 (1)           | Clearing and grabbing inclusive of removing top soil to an average depth of 0.15m and backfilling/trenches caused by removal of stumps                             | Sq.m    | 40.00  |          |                    |
| SUB TO     | TAL BIL     | L NO - 02 S       | SITE CLEARING  |         |  |          |                    |
| BILL NO    | O - 03 CO   | NSTRUCTI          | ON OF APPROCH ROAD   |         | <del>                                     </del> | T-       |                    |
| 3.1        | RA-06       | 301(1)            | EARTH WORKS  Roadway excavation, soil suitable for fill roadway excavation   | Cu.m    | 24.00  |          |                    |
| 3.2        | RA-07       | 301(1)a           | Roadway excavation, soft soil  | Cu.m    | 12.00  |          |                    |
| 3.6        | RA-11       | 301(11)           | Roadway excavation,unsuitable  | Cu.m    | 108.00   |          |                    |
| 3.7        | RA-12       | 304 (1) b         | Embankment construction using material from roadway excavation Type I materials  | Cu.m    | 45.60  |          |                    |
| 3.8        | RA-13       | 304 (2) b         | Embankment construction using barrow material Type I materials   | Cu.m    | 24.40  |          |                    |

| ITEM<br>NO | RATE<br>NO | PAY<br>ITEM<br>NO | DESCRIPTION   | UNIT  | QTY    | RATE | AMOUNT<br>RS. Cts. |
|------------|------------|-------------------|---|-------|--------|------|--------------------|
| 3.10       | RA-14      | 304(3)            | Trimming, levelling and compaction of original ground                           | Sq.m  | 40.00  |      |                    |
| 3.11       | RA-15      | 304(6)            | Embankment construction using Rock fill   | Cu.m  | 120.00 |      |                    |
| 3.12       | RA-16      | 304(4)            | Provide and place Geofabric CONCRETE SURFACING                                  | Sq.m  | 80.00  |      |                    |
| 3.22       | RA-26      | 901B(1)           | Supply, laying & compacting<br>Grade 30 Concrete layer<br>including Formwork    | Cu.m  | 18.00  |      |                    |
|            |            |                   | GUARDSTONE FIXING   |       |        |      |                    |
| 3.25       | RA-97      | 808(5)            | Supply & fixing Guardstones   | Nos.  | 12.00  |      |                    |
|            |            |                   | ONSTRUCTION OF APPROCH  |       |        | _    |                    |
| BILL NO    | ) - 04 CO. | NSTRUCT.          | ION OF BRIDGE SUBSTRUCTU CONSTRUCTION OF  | KE    |        |      |                    |
| 4.A        |            |                   | ABUTMENT & WING   |       |        |      |                    |
|            |            |                   | WALLS   |       |        |      |                    |
|            |            |                   | FOUNDATION,SUB<br>STRUCTURE & CAPPING<br>BEAM                                   |       |        |      |                    |
| 4.A.1      | RA-29      | 302(1)            | Excavation for structures, soil suitable for backfill                           | Cu.m. | 1.80   |      |                    |
| 4.A.2      | RA-30      | 302(2)            | Excavation for structures, Soft rock  | Cu.m  | 1.80   |      |                    |
| 4.A.4      | RA-32      | 302(4b)           | Excavation for structures, Hard rock (Using Explosive)                          | Cu.m  | 0.04   |      |                    |
| 4.A.5      | RA-33      | 302(5)            | Excavation for structures, unsuitable soil                                      | Cu.m  | 32.26  |      |                    |
| 4.A.6      | RA-34      | 302(5a)           | Excavation for structures,<br>Marshy material                                   | Cu.m  | 53.86  |      |                    |
| 4.A.7      | RA-35      | 302(8)            | Granular Backfill for Structures  | Cu.m  | 82.99  |      |                    |
| 4.A.8      | RA-36      | P-005             | Supplying geotextile for foundation base as necessary                           | Sq.m  | 158.97 |      |                    |
| 4.A.9      | RA-37      | P-006             | Supplying & compacting ABC for foundation base as necessary                     | Cu.m  | 14.82  |      |                    |
| 4.A.10     | RA-38      | P-007             | Boulder packing for foundation base as necessary                                | Cu.m  | 82.10  |      |                    |
|            |            |                   | Concrete for Structure  |       |        |      |                    |
| 4.A.11     | RA-39      | 1001(3a)          | Concrete grade15(19 mm) as screed in foundation                                 | Cu.m. | 13.00  |      |                    |
| 4.A.12     | RA-41      | 1001 (2)          | Concrete of grade 20 (40mm) in  |       | 125.20 |      |                    |
| 4.A.14     | RA-43      | 1001 (1)          | Concrete of grade 25 (20mm) in<br>abutment , wing wall Base (<br>Mass Concrete) | Cu.m. | 36.96  |      |                    |
| 4.A.17     | RA-46      | 1001 (1)          | Concrete of grade25(19mm) in  |       | 34.12  |      |                    |

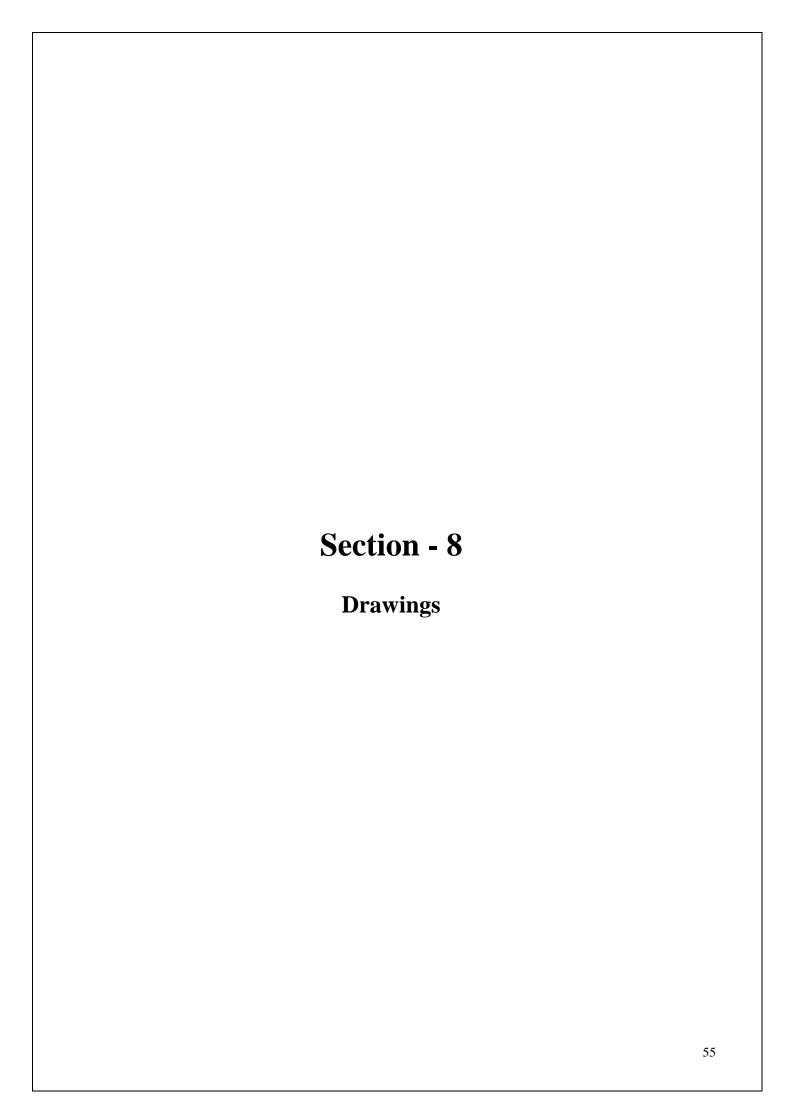
| ITEM<br>NO | RATE<br>NO | PAY<br>ITEM<br>NO | DESCRIPTION  | UNIT   | QTY    | RATE | AMO<br>RS. | OUNT<br>Cts. |
|------------|------------|-------------------|--|--------|--------|------|------------|--------------|
|            |            |                   | Formwork   |        |        |      |            |              |
| 4.A.20     | RA-49      | 1008(2)           | Rough finish formwork for abutments & Wing walls Base  | Sq.m   | 36.47  |      |            |              |
| 4.A.22     | RA-51      | 1008(1)           | Smooth finish formwork for<br>abutment, wing walls, capping<br>beams,ballast wall and curtain<br>wall      | Sq.m   | 351.37 |      |            |              |
|            |            |                   | Reinforcement  |        |        |      |            |              |
| 4.A.24     | RA-53      | 1002(1)           | Fabricating & laying tor steel r/f for abutments, wing walls, capping beams, ballast wall and curtain wall | Tonnes | 3.58   |      |            |              |
| 4.A.27     | RA-56      | 706(1)            | Weep holes Forming weep holes using type 400 PVC pipe of internal dia. Not less than 110mm                 | L.m    | 58.40  |      |            |              |
|            |            |                   | Drainage & Backfilling   |        |        |      |            |              |
| 4.A.28     | RA-57      | 705(1)            | Backfill using aggregate 50~200mm for dry stone lining behind abutment & wing walls                        | Cu.m   | 55.66  |      |            |              |
| 4.A.29     | RA-58      | 705(2)            | Filter medium using aggregate 37.5mm behind abutment and wing walls  | Cu.m   | 7.25   |      |            |              |
| 4.A.30     | RA-59      | 705(3)            | Clay puddle laid under the porous backfill, behind abutment and wing wall                                  | Sq.m   | 13.80  |      |            |              |
| 4.B        |            |                   | CONSTRUCTION OF PEIRS  |        |        |      |            |              |
|            |            |                   | FOUNDATION,SUB<br>STRUCTURE & CAPPING<br>BEAM  |        |        |      |            |              |
| 4.B.1      | RA-29      | 302(1)            | Excavation for structures, soil suitable for backfill  | Cu.m.  | 0.54   |      |            |              |
| 4.B.2      | RA-30      | 302(2)            | Excavation for structures, Soft rock   | Cu.m   | 0.54   |      |            |              |
| 4.B.3      | RA-32      | 302(4b)           | Excavation for structures, Hard rock (Using Explosive)   | Cu.m   | 0.01   |      |            |              |
| 4.B.4      | RA-33      | 302(5)            | Excavation for structures, unsuitable soil   | Cu.m   | 9.71   |      |            |              |
| 4.B.5      | RA-34      | 302(5a)           | Excavation for structures,<br>Marshy material  | Cu.m   | 16.20  |      |            |              |
|            |            |                   | Concrete for Structure   |        |        |      |            |              |
| 4.B.6      | RA-39      | 1001(3a)          | Concrete grade15(19 mm) as screed in foundation  | Cu.m.  | 1.01   |      |            |              |
| 4.B.17     | RA-44      | 1001 (1)          | Concrete of grade 30(19mm) in Foundation base, Stem, Capping beams and curtain walls                       | Cu.m.  | 24.20  |      |            |              |
|            |            |                   | Formwork   |        |        |      |            |              |
| 4.B.8      | RA-49      | 1008(2)           | Rough finish formwork for<br>Peir Foundation   | Sq.m   | 12.00  |      |            |              |

|                     |          |            | Smooth finish formwork for Peir Stem and curtain wall  Reinforcement  Fabricating & laying tor steel r/f for Base,Stem and curtain wall  CONSTRUCTION OF BRIDGE SU  CR STRUCTURE CONSTRUCTION  Conserved PSG Rooms | Sq.m Tonnes | 35.30<br>3.39 |      |
|---------------------|----------|------------|--|-------------|---------------|------|
| SUB TOT BILL NO 5.2 | FAL BILI | L NO -04 C | Fabricating & laying tor steel r/f for Base,Stem and curtain wall CONSTRUCTION OF BRIDGE SUCR STRUCTURE CONSTRUCTION   |             |               |      |
| SUB TOT BILL NO 5.2 | FAL BILI | L NO -04 C | for Base,Stem and curtain wall CONSTRUCTION OF BRIDGE SU CR STRUCTURE CONSTRUCTION   |             |               |      |
| BILL NO 5.2         | - 05 BRI |            | ER STRUCTURE CONSTRUCTION  | BSTRUC'     | ri i de       |      |
| 5.2                 |          | DGE SUPE   |  |             | IUKE          |      |
|                     | RA-96    |            | Compared DCC December  | N           |               |      |
| 5.2.2               | RA-96    |            | Concrete PSC Beam Superstructure   |             |               |      |
|                     |          | 1001 (1)   | Class A concrete of grade 25(19mm) in Footwalk   | Cu.m        | 5.08          |      |
|                     |          |            | Form work  |             |               |      |
| 5.2.19              | RA-80    | 1008(1b)   | Smooth finish form work for deck slab.   | Sq.m        | 34.11         |      |
|                     |          |            | Reinforcements   |             |               |      |
| 5.2.20              | RA-81    | 1002(1a)   | Fabricating & laying Tor steel reinforcement   | Tonnes      | 0.20          |      |
| 5.3                 |          |            | Concrete Deck Slab   |             |               |      |
|                     |          |            | Concrete   |             |               |      |
| 5.3.1               | RA-96    | 1001 (1)   | Class A Concrete G25 (19mm) in deck slab & Parapet wall  | Cu.m.       | 33.18         |      |
|                     |          |            | Formwork   |             |               |      |
| 5.3.2               | RA-61    | 1008(1)    | Smooth finish formwork for sides of deck slab & Parapet wall   | Sq.m        | 82.66         |      |
|                     |          |            | Reinforcement  |             |               |      |
| 5.3.3               | RA-62    | 1002 (1)b  | Fabricating, laying & tying of tor steel r/f.  | Tonnes      | 3.32          |      |
| 5.4                 |          |            | <u>Miscellaneous</u>   |             |               |      |
| 5.4.4               | RA-90a   | 1020(1b)   | Supplying & fixing 50 mm dia.  Type 400 PVC pipes as rain water outlets through deck as per drawing.   | L.m         | 4.30          |      |
| 5.4.7               | RA-97    | 1303(3)    | Painting Bridge hand rail with weather shield Emulsion Paint Two coats   | Sq.m.       | 51.44         |      |
| 5.4.8               | RA-98    | 1303(4)    | Stenciling and Numbering on Bridges  | Nos         | 2.00          |      |
| SUB TOT             | AL BIL   | L NO -05 B | RIDGE SUPER STRUCTURE CO   | NSTRUC      | TION          | <br> |

| Bridge a   | ncross Gintota Koppa Ela - Elabada        |       |       |      |                    |  |  |
|------------|---|-------|-------|------|--------------------|--|--|
| BILL NO    | BILL NO - 07 DAY WORKS                    |       |       |      |                    |  |  |
| ITEM<br>NO | DESCRIPTION                               | UNIT  | QTY   | RATE | AMOUNT<br>RS. Cts. |  |  |
| 7.1        | Labour                                    |       |       |      |                    |  |  |
| 7.1.1      | Unskilled labour                          | Day   | 5.00  |      |                    |  |  |
| 7.1.2      | Semi skilled labour                       | Day   | 5.00  |      |                    |  |  |
| 7.1.3      | Skilled labour                            | Day   | 5.00  |      |                    |  |  |
| 7.1.4      | Operators                                 | Day   | 5.00  |      |                    |  |  |
|            | Total cost of Labour                      |       |       |      |                    |  |  |
| 7.2        | Equipment                                 |       |       |      |                    |  |  |
| 7.2.1      | Backhoe loader - 2WD, 0.15 scoop capacity | Hrs   | 5.00  |      |                    |  |  |
| 7.2.2      | Farm Tractor with 3T trailer              | Hrs   | 10.00 |      |                    |  |  |
| 7.2.3      | Water Bowser - 6000 ltrs                  | Hrs   | 10.00 |      |                    |  |  |
| 7.2.4      | Concrete Mixer - 200ltrs (10/7)           | Hrs   | 10.00 |      |                    |  |  |
| 7.2.5      | Water pump - 2 inch                       | Hrs   | 25.00 |      |                    |  |  |
| 7.2.6      | Porker vibrator (Petrol) - 1.8m.hour      | Hrs   | 5.00  |      |                    |  |  |
| 7.2.7      | Lorry 3 Ton - 3Ton                        | Km    | 50.00 |      |                    |  |  |
| 7.2.8      | Plate Compactor - 80kg tamper plates      | Hrs   | 10.00 |      |                    |  |  |
| 7.2.9      | Excavator                                 | Hrs   | 5.00  |      |                    |  |  |
|            | Total cost of Equipment                   |       |       |      |                    |  |  |
| 7.3        | Materials                                 |       |       |      |                    |  |  |
| 7.3.1      | Cement - Ordinary                         | 50kg  | 5.00  |      |                    |  |  |
| 7.3.2      | Aggregate for concrete (19mm)             | Cu.m. | 2.00  |      |                    |  |  |
| 7.3.3      | Sand                                      | Cu.m. | 2.00  |      | _                  |  |  |
|            | Total cost of Material                    |       |       |      |                    |  |  |

### **Summary of Day works**

| Description  | Amount (Rs.) |
|--------------|--------------|
| 1. Labour    |              |
| 2. Equipment |              |
| 3. Material  |              |
| Sub Total    |              |



### **DRAWINGS**

# Ahungalla Gallena Bridge

| No. | Description                 | Drawing No. | No. Of<br>Drawings |
|-----|-----------------------------|-------------|--------------------|
| 1   | Slab and Pad Footing Detail |             | 1                  |
| 2   | RB and LB Abutment Detail   |             | 1                  |

# Bridge across Gintota Koppa Ela - Elabada

| No. | Description                 | Drawing No. | No. Of<br>Drawings |
|-----|-----------------------------|-------------|--------------------|
| 1   | Slab and Pad Footing Detail |             | 1                  |
| 2   | RB and LB Abutment Detail   |             | 1                  |
| 3   | Pier -1, Pier-2 Detail      |             | 1                  |

# **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   |
| 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, <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> </li> <li>This Guarantee shall expire: <ul> <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</li></ul></li></ul> |
| Signature and the Seal of the Guarantor:  Designation   |
| 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

Director General, Road Development Authority

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<br>Contract | Name of the<br>Client | Initial Contract<br>Amount (Rs.) | Outstanding<br>Work (Rs.) |
|-------------|-------------------------|-----------------------|----------------------------------|---------------------------|
| Highways*   |                         |                       |                                  |                           |
| Bridges*    |                         |                       |                                  |                           |
| Buildings*  |                         |                       |                                  |                           |
| Irrigation* |                         |                       |                                  |                           |
| #           |                         |                       |                                  |                           |
|             | To                      | otal                  |                                  |                           |
|             |                         |                       | Signature of                     | the Bidder                |
|             | <del>-</del>            | =                     | explained by me to the           |                           |

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

Justice of The Peace

<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            | :   |                    |                        |                                       |  |
|-----------------|---|--------------------|------------------------|---------------------------------------|--|
|                 |   |                    |                        |                                       |  |
|                 |   |                    |                        |                                       |  |
|                 |   |                    |                        |                                       |  |
| TO              | :   | Director Genera    | al                     |                                       |  |
|                 |   | Road Developn      | nent Authority (R      | DA)                                   |  |
|                 |   | 1st Floor, "Maga   | aneguma Mahame         | edura",                               |  |
|                 |   | 216, Denzil Ko     | bbekaduwa Mawa         | ıtha,                                 |  |
|                 |   | Battaramulla,      | Sri Lanka              |                                       |  |
|                 |   | •                  |                        |                                       |  |
| case of award t | o them o                                  | of works for the C | Contract of Constru    | credit in favour of                   | Bridge and Bridge across   |
| Dear Sir,       |   |                    |                        |                                       |  |
| we              | revolvir<br>ract of<br>under C<br>taken o | ng line of         | credit for for the pur | an amount of pose of the execution of | Sri Lanka Rupees the Civil Work Contracts (Name lit will be maintained until |
| Signature and   |   |                    |                        |                                       |  |
| Name            |   |                    |                        |                                       |  |
| Designation     |   |                    |                        |                                       |  |
|                 | _   |                    |                        |                                       |  |
| Date:           |   |                    |                        |                                       |  |
| Witness:        |   |                    |                        |                                       |  |
|                 |   |                    | NIC No                 | Signature                             |  |
|                 |   |                    |                        |                                       |  |
| maille          |   |                    | INIC INO               | Signature                             |  |

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

 $<sup>^{\</sup>mathrm{1}}$  Name of Beneficiary / Bidder

<sup>&</sup>lt;sup>2</sup> Name of Bank

<sup>&</sup>lt;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         |     |           |
| 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         |     |           |