

SRI LANKA RAILWAYS

PROCUREMENT FOR THE SUPPLY ,INSTALLATION & COMMISSIONING OF LEVEL CROSSING MONITORING SYSTEM TO SIGNAL & TELECOMMUNICATION SUB DEPARTMENT OF SRI LANKA RAILWAYS .

BIDDING DOCUMENTS ISSUED UP TO : 15.07.2024

CLOSING / OPENING OF BIDS : 16.07.2024

DOCUMENT NUMBER: ISSUED TO:

M/S.

ADDRESS:

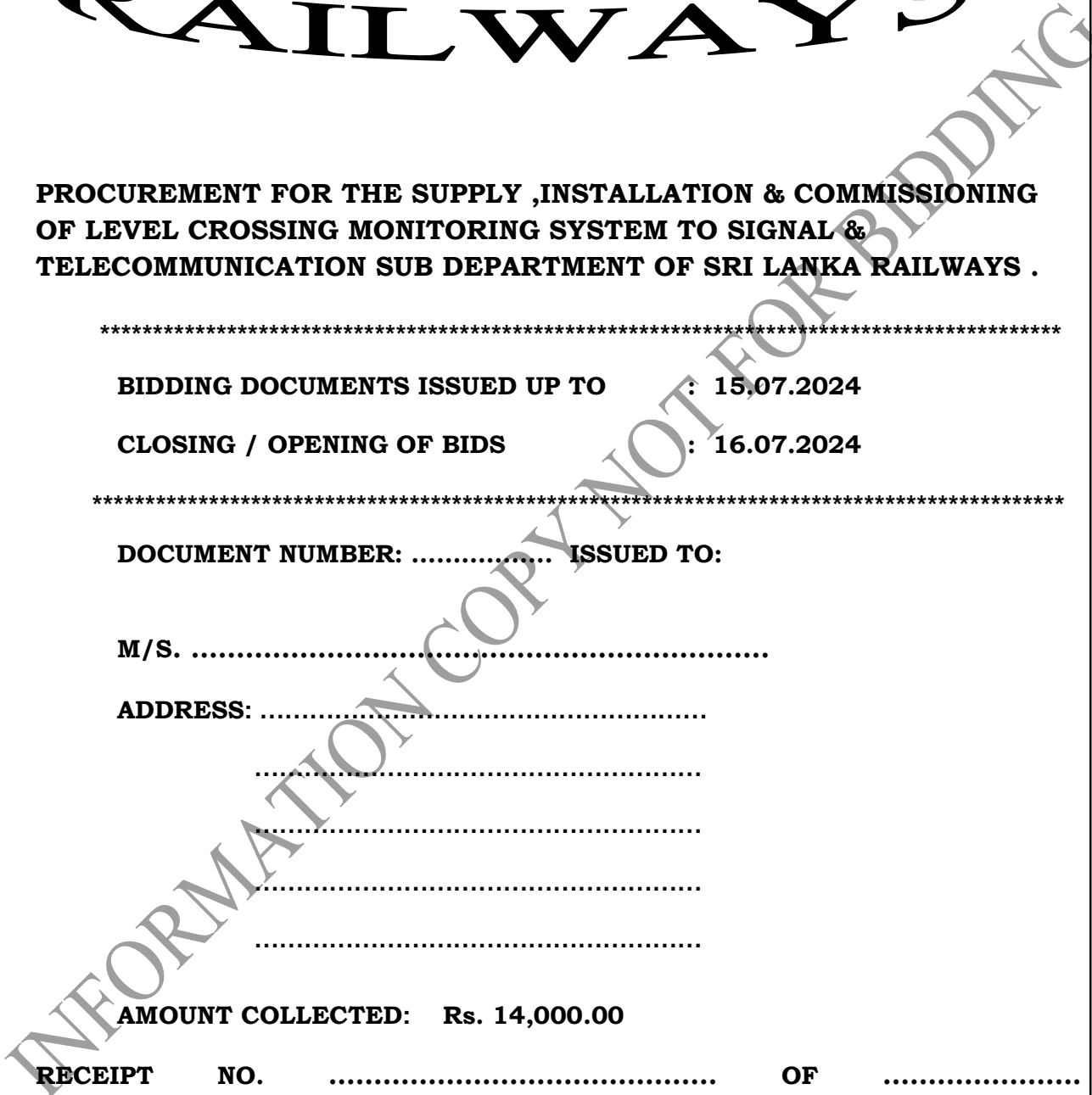
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AMOUNT COLLECTED: Rs. 14,000.00

RECEIPT NO. OF

DATE:

.....
SIGNATURE OF ISSUING OFFICER



IFB No -SRS/8012

**PROCUREMENT FOR SUPPLY, INSTALLATION AND COMMISSIONING OF
LEVEL CROSSING MONITORING SYSTEM FOR 200 LOCATIONS**

NATIONAL COMPETITIVE BIDDING DOCUMENT

VOLUME 1

SECTION -I	INSTRUCTION TO BIDDERS (ITB)
SECTION -VI	CONDITIONS OF CONTRACT (CC)
SECTION -VIII	CONTRACT FORMS

VOLUME 2

SECTION II	BIDDING DATA SHEET (BDS)
SECTION III	EVALUATION AND QUALIFYING CRITERIA
SECTION IV	BIDDING FORMS
SECTION V	SCHEDULE OF REQUIREMENTS
SECTION VII	CONTRACT DATA

DEPARTMENT PROCUREMENT COMMITTEE (MAJOR),
SRI LANKA RAILWAYS,
OLCOTT MAWATHA,
COLOMBO 10.

CONTENTS

Page No

SECTION -I INSTRUCTIONS TO BIDDERS

03-17

SECTION -VI CONDITIONS OF CONTRACT (CC)

18-33

SECTION -VIII CONTRACT FORMS

34 - 39

INFORMATION COPY NOT FOR BIDDING

SECTION 1

INSTRUCTIONS TO BIDDERS (ITB)

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Section I. Instructions to Bidders (ITB)

ITB shall be read in conjunction with the Section II, Bidding Data Sheet (BDS), which shall take precedence over ITB.

General

1. Scope of Bid

1.1 The Purchaser **indicated in the Bidding Data Sheet (BDS)**, issues these Bidding Documents for the supply of Goods and Related Services incidental thereto as specified in Section V, Schedule of Requirements. The name and identification number of this procurement are **specified in the BDS**. The name, identification, and number of lots (individual contracts), if any, are **provided in the BDS**.

1.2 Throughout these Bidding Documents

- (a) the term “in writing” means communicated in **written form** by mail (other than electronic mail) or hand delivered with proof of receipt;
- (b) if the context so requires, “singular” means “plural” and vice versa; and
- (c) “day” means calendar day.

2. Source of Funds

2.1 Payments under this contract will be financed by the source **specified in the BDS**.

3. Ethics, Fraud and Corruption

3.1 The attention of the bidders is drawn to the following guidelines of the Procurement Guidelines published by National Procurement Agency:

- Parties associated with Procurement Actions, namely, suppliers/contractors and officials shall ensure that they **maintain strict confidentiality throughout the process**;
- Officials shall refrain from receiving any personal gain from any Procurement Action. No gifts or inducement shall be accepted. Suppliers/contractors are liable to be disqualified from the bidding process if found offering any gift or inducement which may have an effect of influencing a decision or impairing the objectivity of an official.

3.2 The Purchaser requires the bidders, suppliers, contractors, and consultants to observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy

- (a) “corrupt practice” means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution;

- (b) **“fraudulent practice” means a misrepresentation or omission of facts in order to influence a procurement process** or the execution of a contract;
- (c) “collusive practice” means a scheme or arrangement between two or more bidders, with or without the knowledge of the Purchaser to establish bid prices at artificial, non-competitive levels; and
- (d) “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract.

3.3 If the Purchaser found any unethical practices as stipulated under **ITB** Clause 3.2, the Purchaser will reject a bid, if it is found that a Bidder directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for the Contract in question.

4. Eligible Bidders

4.1 All bidders shall possess legal rights to supply the Goods under this contract.

4.2 A Bidder shall not have a conflict of interest. All bidders found to have conflict of interest shall be disqualified. Bidders may be considered to have a conflict of interest with one or more parties in this bidding process, if they:

(a) are or have been associated in the past, with a firm or any of its affiliates which have been engaged by the Purchaser to provide **consulting services** for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under these Bidding Documents; or

(b) submit more than one bid in this bidding process. However, this **does not limit** the participation of **subcontractors** in more than one bid.

4.3 A Bidder that is under a declaration of ineligibility by the National Procurement Agency (NPA), at the date of submission of bids or at the date of contract award, shall be disqualified. The list of debarred firms is available at the website of NPA, www.npa.gov.lk.

4.4 Foreign Bidder may submit a bid only if so stated **in the BDS**.

5. Eligible Goods and Related Services

5.1 All goods supplied under this contract shall be complied with applicable standards stipulated by the Sri Lanka standard Institute. (SLSI). In the absence of such standards, the Goods supplied shall be complied with other internationally accepted standards.

Contents of Bidding Documents

6. Contents of the Bidding Document

6.1 The Bidding Documents consist of 2 Volumes, which include all the sections indicated below, and should be read in conjunction with any addendum issued in accordance with ITB Clause 8.

Volume 1

- Section I. Instructions to Bidders (ITB)
- Section VI. Conditions of Contract (CC)
- Section VIII. Contract Forms

Volume 2

- Section II. Bidding Data Sheet (BDS)
- Section III. Evaluation and Qualification Criteria
- Section IV. Bidding Forms
- Section V. Schedule of Requirements
- Section VII. Contract Data
- Invitation for Bid

6.2 The Bidder is expected to examine all instructions, forms, terms, and specifications in the Bidding Documents. Failure to furnish all information or documentation required by the Bidding Documents may result in the rejection of the bid.

7. Clarifications

7.1 A prospective Bidder requiring any clarification of the Bidding Documents including the restrictiveness of specifications shall contact the Purchaser in writing at the Purchaser's address **specified in the BDS. The Purchaser will respond in writing to any request for clarification, provided that such request is received not later than 14 days prior to the deadline for submission of bids.** The Purchaser shall forward copies of its response to all those who have purchased the Bidding Documents, including a description of the inquiry but without identifying its source. Should the Purchaser deem it necessary to amend the Bidding Documents as a result of a clarification, it shall do so following the procedure under ITB Clause 8.

- 8. Amendment of Bidding Documents**
- 8.1 At any time prior to the deadline for submission of bids, the Purchaser may amend the Bidding Documents by issuing addendum.
- 8.2 Any addendum issued shall be part of the Bidding Documents and shall be communicated in writing to all who have purchased the Bidding Documents.
- 8.3 To give prospective Bidders reasonable time in which to take an addendum into account in preparing their bids, the Purchaser may, at its discretion, extend the deadline for the submission of bids, pursuant to ITB Sub-Clause 23.2

Preparation of Bids

- 9. Cost of Bidding**
- 9.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Purchaser shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
- 10. Language of Bid**
- 10.1 The Bid, as well as all correspondence and documents relating to the Bid (including supporting documents and printed literature) exchanged by the Bidder and the Purchaser, shall be written in English language.
- 11. Documents Comprising the Bid**
- 11.1 The Bid shall comprise the following:
- (a) Bid Submission Form and the applicable Price Schedules, in accordance with **ITB Clauses 12, 14, and 15**;
 - (b) Bid Security or Bid-Securing Declaration, in accordance with **ITB Clause 20**.
 - (c) documentary evidence in accordance with **ITB Clauses 18 and 29**, that the Goods and Related Services conform to the Bidding Documents;
 - (d) documentary evidence in accordance with ITB Clause 18 establishing the Bidder's qualifications to perform the contract if its bid is accepted; and
 - (e) any other document required in the BDS.
- 12. Bid Submission Form and Price Schedules**
- 12.1 The Bidder shall submit the Bid Submission Form using the form furnished in Section IV, Bidding Forms. **This form must be completed without any alterations to its format, and no substitutes shall be accepted.** All blank spaces shall be filled in with the information requested
- 13. Alternative Bids**
- 13.1 Alternative bids shall not be considered.

- 14. Bid Prices and Discounts**
- 14.1 The Bidder shall indicate on the Price Schedule the unit prices and total bid prices of the goods it proposes to supply under the Contract.
- 14.2 Any discount offered against any single item in the price schedule shall be included in the unit price of the item. However, a Bidder wishes to offer discount as a lot the bidder may do so by indicating such amounts appropriately.
- 14.3 If so indicated in ITB Sub-Clause 1.1, bids are being invited for individual contracts (lots) or for any combination of contracts (packages). Unless otherwise indicated in **the BDS**, prices quoted shall correspond to 100 % of the items specified for each lot and to 100% of the quantities specified for each item of a lot. Bidders wishing to offer any price reduction (discount) for the award of more than one Contract shall specify the applicable price reduction separately.
- 14.4 (i) Prices indicated on the Price Schedule shall include all duties and sales and other taxes already paid or payable by the Supplier:
- (a) on components and raw material used in the manufacture or assembly of goods quoted; or
 - (b) on the previously imported goods of foreign origin.
- (ii) However, VAT shall not be included in the price but shall be indicated separately;
- (iii) the price for inland transportation, insurance and other related services to deliver the goods to their final destination;
- (iv) the price of other incidental services
- 14.5 **The Prices quoted by the Bidder shall be fixed during the Bidder's performance of the Contract and not subject to variation on any account. A bid submitted with an adjustable price quotation will be treated as non-responsive and rejected, pursuant to ITB Clause 31**
- 14.6 All lots, if any, and items must be listed and priced separately in the Price Schedules. If a Price Schedule shows items listed but not priced, their prices shall be assumed to be included in the prices of other items.
- 15. Currencies of Bid**
- 15.1 Unless otherwise stated in **Bidding Data Sheet**, the Bidder shall quote in Sri Lankan Rupees and payment shall be payable only in Sri Lankan Rupees.
- 16. Documents Establishing the Eligibility of the Bidder**
- 16.1 To establish their eligibility in accordance with ITB Clause 4, Bidders shall complete the Bid Submission Form, included in Section IV, Bidding Forms.

17. **Documents Establishing the Conformity of the Goods and Related Services**
- 17.1 To establish the conformity of the Goods and Related Services to the Bidding Documents, the Bidder shall furnish as part of its Bid the documentary evidence that the Goods conform to the technical specifications and standards specified in Section V, Schedule of Requirements.
- 17.2 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item by item description (given in Section V, Schedule of Requirements) of the essential technical and performance characteristics of the Goods and Related Services, demonstrating substantial responsiveness of the Goods and Related Services to the technical specification, and **if applicable, a statement of deviations and exceptions to the provisions of the Schedule of Requirements.**
- 17.3 The Bidder shall also furnish a list giving full particulars, including quantities, available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the Goods during the period if **specified in the BDS** following commencement of the use of the goods by the Purchaser.
18. **Documents Establishing the Qualifications of the Bidder**
- 18.1 The documentary evidence of the Bidder's qualifications to perform the contract if its bid is accepted shall establish to the Purchaser's satisfaction:
- (a) A Bidder that does not manufacture or produce the Goods it offers to supply shall submit the Manufacturer's Authorization using the form included in Section IV, Bidding Forms to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods;
- (b) that, if **required in the BDS** , in case of a Bidder not doing business within Sri Lanka, the Bidder is or will be (if awarded the contract) represented by an Agent in Sri Lanka equipped and able to carry out the Supplier's maintenance, repair and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications; and
- (c) that the Bidder meets each of the qualification criterion specified in Section III, Evaluation and Qualification Criteria.
19. **Period of Validity of Bids**
- 19.1 Bids shall remain valid until the date **specified in the BDS**. A bid valid for a shorter date shall be rejected by the Purchaser as non-responsive.
- 19.2 In exceptional circumstances, prior to the expiration of the bid validity date, the Purchaser may request bidders to extend the period of validity of their bids. The request and the responses shall be made in writing. If a Bid Security is requested in accordance with ITB Clause 20, it shall also be extended for a corresponding period. A Bidder may refuse the request without forfeiting its Bid Security. A Bidder granting the request shall not be required or permitted to modify its bid.
20. **Bid Security**
- 20.1 The Bidder shall furnish as part of its bid, a Bid Security or a Bid-

Securing Declaration, as specified in the BDS.

- 20.2 The Bid Security shall be in the amount specified in the BDS. and denominated in Sri Lankan Rupees, and shall:
- (a) at the bidder's option, be in the form a bank guarantee from a banking institution;
 - (b) be issued by an institution acceptable to Purchaser. The acceptable institutes are published in the public finance website.
 - (c) be substantially in accordance with the form included in Section IV, Bidding Forms;
 - (d) be payable promptly upon written demand by the Purchaser in case the conditions listed in ITB Clause 20.5 are invoked;
 - (e) be submitted in its original form; copies will not be accepted;
 - (f) Remain valid for the period specified in the BDS.
- 20.3 Any bid not accompanied by a substantially responsive Bid Security or Bid Securing Declaration in accordance with ITB Sub-Clause 20.1 and 20.2, may be rejected by the Purchaser as non-responsive.
- 20.4 The Bid Security of unsuccessful Bidders shall be returned as promptly as possible upon the successful Bidder's furnishing of the Performance Security pursuant to ITB Clause 43.
- 20.5 The Bid Security may be forfeited or the Bid Securing Declaration executed:
- (a) if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Submission Form, except as provided in ITB Sub-Clause 19.2; or
 - (b) if a Bidder does not agree to correction of arithmetical errors in pursuant to ITB Sub-Clause 30.3
 - (c) if the successful Bidder fails to:
 - (i) sign the Contract in accordance with ITB Clause 42;
 - (ii) furnish a Performance Security in accordance with ITB Clause 43.

21. Format and Signing of Bid

- 21.1 The Bidder shall prepare one original of the documents comprising the bid as described in ITB Clause 11 and clearly mark it as "ORIGINAL." In addition, the Bidder shall submit a copy of the

bid and clearly mark it as "COPY." In the event of any discrepancy between the original and the copy, the original shall prevail.

21.2 The original and the Copy of the bid shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Bidder.

21.3 Any interlineations, erasures, or overwriting shall be valid only if they are signed or initialed by the person signing the Bid.

Submission and Opening of Bids

22. Submission, Sealing and Marking of Bids

22.1 Bidders may always submit their bids by mail or by hand.

(a) Bidders submitting bids by mail or by hand, shall enclose the original and the copy of the Bid in separate sealed envelopes, duly marking the envelopes as "ORIGINAL" and "COPY." These envelopes containing the original and the copy shall then be enclosed in one single envelope.

22.2 The inner and outer envelopes shall:

(a) Bear the name and address of the Bidder;

(b) be addressed to the Purchaser in accordance with ITB Sub-Clause 23.1;

(c) bear the specific identification of this bidding process as indicated in the BDS; and

(d) bear a warning not to open before the time and date for bid opening, in accordance with ITB Sub-Clause 26.1.

If all envelopes are not sealed and marked as required, the Purchaser will assume no responsibility for the misplacement or premature opening of the bid.

23. Deadline for Submission of Bids

23.1 Bids must be received by the Purchaser at the address and no later than the date and time **specified in the BDS**.

23.2 The Purchaser may, at its discretion, extend the deadline for the submission of bids by amending the Bidding Documents in accordance with ITB Clause 8, in which case all rights and obligations of the Purchaser and Bidders previously subject to the deadline shall thereafter be subject to the deadline as extended.

24. Late Bids

24.1 The Purchaser shall not consider any bid that arrives after the deadline for submission of bids, in accordance with ITB Clause 23. Any bid received by the Purchaser after the deadline for submission of bids shall be declared late, rejected, and returned unopened to the Bidder.

25. Withdrawal, and Modification of Bids

- 25.1 A Bidder may withdraw, or modify its Bid after it has been submitted by sending a written notice in accordance with **ITB** Clause 22, duly signed by an authorized representative, and shall include a copy of the authorization in accordance with ITB Sub-Clause 21.2, (except that no copies of the withdrawal notice are required). The corresponding substitution or modification of the bid must accompany the respective written notice. All notices must be:
- (a) submitted in accordance with ITB Clauses 21 and 22 (except that withdrawal notices do not require copies), and in addition, the respective envelopes shall be clearly marked “WITHDRAWAL,” or “MODIFICATION;” and
 - (b) Received by the Purchaser prior to the deadline prescribed for submission of bids, in accordance with ITB Clause 23.
- 25.2 Bids requested to be withdrawn in accordance with ITB Sub-Clause 25.1 shall be returned to the Bidders only upon notification of contract award to the successful bidder in accordance with sub clause 41.1.
- 25.3 No bid may be withdrawn, substituted, or modified in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Submission Form or any extension thereof.

26. Bid Opening

- 26.1 The Purchaser shall conduct the bid opening in public at the address, date and time **specified in the BDS.**
- 26.2 First, envelopes marked “WITHDRAWAL” shall be opened and read out and the envelope with the corresponding bid may be opened at the discretion of the Purchaser. No bid withdrawal shall be permitted unless the corresponding withdrawal notice contains a valid authorization to request the withdrawal and is read out at bid opening. Envelopes marked “MODIFICATION” shall be opened and read out with the corresponding Bid. No Bid modification shall be permitted unless the corresponding modification notice contains a valid authorization to request the modification and is read out at Bid opening. **Only envelopes that are opened and read out at Bid opening shall be considered further.**
- 26.3 All other envelopes shall be opened one at a time, reading out: the name of the Bidder and whether there is a modification; the Bid
- Prices, including any discounts and alternative offers; the presence of a Bid Security or Bid-Securing Declaration, if required; and any other details as the Purchaser may consider appropriate. Only discounts and alternative offers read out at Bid opening shall be considered for evaluation. No Bid shall be rejected at Bid opening except for late bids, in accordance with ITB Sub-Clause 24.1.
- 26.4 The Purchaser shall prepare a record of the Bid opening that shall include, as a minimum: the name of the Bidder and whether there is a withdrawal, or modification; the Bid Price, per lot if applicable, including any discounts, and the presence or absence of a Bid Security or Bid-Securing Declaration. The bids that were opened shall be resealed in separate envelopes, promptly after the bid opening. The Bidders’

INFORMATIVE

representatives who are present shall be requested to sign the attendance sheet. **A copy of the record shall be distributed to all Bidders who submitted bids in time.**

Evaluation and Comparison of Bids

27. Confidentiality

27.1 **Information relating to the examination, evaluation, comparison, and post-qualification (if applicable) of bids, and recommendation of contract award, shall not be disclosed to bidders or any other persons not officially concerned with such process until publication of the Contract Award.**

27.2 **Any effort by a Bidder to influence the Purchaser in the examination, evaluation, comparison, and post-qualification of the bids or contract award decisions may result in the rejection of its Bid.**

27.3 Notwithstanding ITB Sub-Clause 27.2, if any Bidder wishes to contact the Purchaser on any matter related to the bidding process, from the time of bid opening to the time of Contract Award, **it should do so in writing.**

28. Clarification of Bids

28.1 To assist in the examination, evaluation, comparison and post-qualification of the bids, **the Purchaser may, at its discretion, request any Bidder for a clarification of its Bid. Any clarification submitted by a Bidder in respect to its Bid and that is not in response to a request by the Purchaser shall not be considered for purpose of evaluation.** The Purchaser's request for clarification and the response shall be in writing. **No change in the prices or substance of the Bid shall be sought, offered, or permitted,** except to confirm the correction of arithmetic errors discovered by the Purchaser in the Evaluation of the bids, in accordance with ITB Clause 30.

29. Responsiveness of Bids

29.1 The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself.

29.2 A substantially responsive Bid is one that conforms to all the terms, conditions, and specifications of the Bidding Documents without material deviation, reservation, or omission.

A material deviation, reservation, or omission is one that:

- (a) **affects in any substantial way the scope, quality, or performance of the Goods and Related Services specified in the Contract; or**
- (b) **limits in any substantial way, inconsistent with the Bidding Documents, the Purchaser's rights or the Bidder's obligations under the Contract; or**
- (c) **if rectified would unfairly affect the competitive position of other bidders presenting substantially responsive bids.**

29.3 **If a bid is not substantially responsive to the Bidding Documents, it shall be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the material deviation, reservation, or omission.**

30. Nonconformities, Errors and Omissions

- 30.1 Provided that a Bid is substantially responsive, the **Purchaser may waive** any non-conformities or omissions in the Bid that do not constitute a material deviation.
- 30.2 Provided that a bid is substantially responsive, the Purchaser may request that the Bidder submit the necessary information or documentation, within a reasonable period of time, to rectify nonmaterial nonconformities or omissions in the bid related to documentation requirements. Such omission shall not be related to any aspect of the price of the Bid. Failure of the Bidder to comply with the request may result in the rejection of its Bid.
- 30.3 Provided that the Bid is substantially responsive, the Purchaser shall correct arithmetical errors on the following basis:
- (a) if there is a discrepancy between the unit price and the line item total that is obtained by multiplying the unit price by the quantity, the unit price shall prevail and the line item total shall be corrected, unless in the opinion of the Purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the line item total as quoted shall govern and the unit price shall be corrected;
 - (b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
 - (c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.
- 30.4 If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be disqualified and its Bid Security shall be forfeited or its Bid-Securing Declaration shall be executed.

31. Preliminary Examination of Bids

- 31.1 The Purchaser shall examine the bids to confirm that all documents and technical documentation requested in ITB Clause 11 have been provided, and to determine the completeness of each document submitted.
- 31.2 The Purchaser shall confirm that the following documents and information have been provided in the Bid. If any of these documents or information is missing, the Bid shall be rejected.
- (a) Bid Submission Form, in accordance with ITB Sub Clause 12.1,
 - (b) Price Schedules, in accordance with ITB Sub-Clause 12;
 - (c) Bid Security or Bid Securing Declaration, in accordance with ITB Clause 20.

32. Examination of Terms and Conditions; Technical Evaluation

- 32.1 The Purchaser shall examine the Bid to confirm that all terms and conditions specified in the CC and the **Contract Data** have been accepted by the Bidder without any material deviation or reservation.

- 32.2 The Purchaser shall evaluate the technical aspects of the Bid submitted in accordance with **ITB** Clause 17, to confirm that all requirements specified in Section V, Schedule of Requirements of the Bidding Documents have been met without any material deviation or reservation.
- 32.3 If, after the examination of the terms and conditions and the technical evaluation, the Purchaser determines that the Bid is not substantially responsive in accordance with ITB Clause 29, the Purchaser shall reject the Bid.
- 33. Conversion to single currency**
- 33.1 If the bidders are allowed to quote in foreign currencies in accordance with sub clause 15.1, for evaluation and comparison purposes, the **Purchaser shall convert all bid prices expressed in foreign currencies in to Sri Lankan Rupees using the selling rates prevailed 28 days prior to closing of bids as published by the Central Bank of Sri Lanka.** If this date falls on a public holiday the earliest working date prior to the date shall be applicable.
- 34. Domestic Preference**
- 34.1 Domestic preference shall be a factor in bid evaluation only if **stated in the BDS.** If domestic preference shall be a bid-evaluation factor, the methodology for calculating the margin of preference and the criteria for its application shall be as specified in Section III, Evaluation and Qualification Criteria.
- 35. Evaluation of Bids**
- 35.1 The Purchaser shall evaluate each bid that has been determined, up to this stage of the evaluation, to be substantially responsive.
- 35.2 To evaluate a Bid, the Purchaser shall only use all the factors, methodologies and criteria defined in this ITB Clause 35.
- 35.3 To evaluate a bid, the purchaser shall consider the following
- (a) the Bid Price as quoted in accordance with clause 14;
 - (b) price adjustment for correction of arithmetic errors in accordance with ITB Sub-Clause 30.3;
 - (c) price adjustment due to discounts offered in accordance with ITB Sub-Clause 14.2; and 14.3
 - (d) adjustments due to the application of the evaluation criteria specified in the BDS from amongst those set out in Section III, Evaluation and Qualification Criteria;
 - (e) Adjustments due to the application of a domestic preference, in accordance with ITB Clause 34 if applicable.
- 35.4 The Purchaser's evaluation of a bid may require the consideration of other factors, in addition to the factors listed in ITB Sub-Clause 35.3, **if specified in BDS.** These factors may be related to the characteristics, performance, and terms and conditions of purchase of the Goods and

INFORMATIC

Related Services. The effect of the factors selected, if any, shall be expressed in monetary terms to facilitate comparison of bids

35.5 **If so specified in the BDS**, these Bidding Documents shall allow Bidders to quote for one or more lots, and shall allow the Purchaser to award one or multiple lots to more than one Bidder. The methodology of evaluation to determine the lowest-evaluated lot combinations is specified in Section III, Evaluation and Qualification Criteria.

36. **Comparison of Bids** 36.1 The Purchaser shall compare all substantially responsive bids to determine the lowest-evaluated bid, in accordance with ITB Clause 35.
37. **Post qualification of the Bidder.** 37.1 **The Purchaser shall determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated and substantially responsive bid is qualified to perform the Contract satisfactorily.**
- 37.2 The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Clause 18.
- 37.3 An affirmative determination shall be a prerequisite for award of the Contract to the Bidder. A negative determination shall result in disqualification of the bid, in which event the Purchaser shall proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily
38. **Purchaser's Right to Accept Any Bid, and to Reject Any or All Bids** 38.1 The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to Bidders.

Award of Contract

39. **Award Criteria** 39.1 The Purchaser shall award the Contract to the Bidder whose offer has been determined to be the lowest evaluated bid and is substantially responsive to the Bidding Documents, provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily.
40. **Purchaser's Right to Vary Quantities at Time of Award** 40.1 **At the time the Contract is awarded, the Purchaser reserves the right to increase or decrease the quantity of Goods and Related Services originally specified in Section V, Schedule of Requirements, provided this does not exceed twenty-five percent (25%) or one unit whichever is higher and without any change in the unit prices or other terms and conditions of the bid and the Bidding Documents.**
41. **Notification of Award** 41.1 Prior to the expiration of the period of bid validity, the Purchaser shall notify the successful Bidder, in writing, that its Bid has been accepted.
- 41.2 **Until a formal Contract is prepared and executed, the notification of award shall constitute a binding Contract.**
- 41.3 Upon the successful Bidder's furnishing of the signed Contract Form and performance security pursuant to ITB Clause 43, the Purchaser will promptly

notify each unsuccessful Bidder and will discharge its bid security, pursuant to ITB Clause 20.4.

42. Signing of Contract

42.1 Within Seven (7) days after notification, the Purchaser shall complete the Agreement, and inform the successful Bidder to sign it.

42.2 Within Fourteen (14) days of receipt of such information, the successful Bidder shall sign the Agreement.

43. Performance Security

43.1 Within twenty-one (21) days of the **receipt of notification of award** from the Purchaser, the successful Bidder, if required, shall furnish the Performance Security in accordance with the CC, using for that purpose the Performance Security Form included in Section VIII Contract forms. The Employer shall promptly notify the name of the winning Bidder to each unsuccessful Bidder and discharge the Bid Securities of the unsuccessful bidders pursuant to ITB Sub-Clause 20.4.

43.2 Failure of the successful Bidder to submit the above-mentioned Performance Security or sign the Contract shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security or execution of the Bid-Securing Declaration. In that event the Purchaser may award the Contract to the next lowest evaluated Bidder, whose offer is substantially responsive and is determined by the Purchaser to be qualified to perform the Contract satisfactorily.

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SECTION V1

CONDITION OF CONTRACT (CC)

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Section VI. Conditions of Contract

Table of Clauses

1.	Definitions.....
2.	Contract Documents.....
3.	Fraud and Corruption.....
4.	Interpretation.....
5.	Language.....
6.	Joint Venture, Consortium or Association.....
7.	Eligibility
8.	Notice
9.	Governing Law
10.	Settlement of Disputes
11.	Scope of Supply
12.	Delivery and Documents.....
13.	Supplier's Responsibilities.....
14.	Contract Price.....
15.	Terms of Payments
16.	Taxes and Duties.....
17.	Performance Security
18.	Copy right
19.	Confidential Information
20.	Subcontracting
21.	Specifications and Standards
22.	Packing and Documents.....
23.	Insurance
24.	Transportation.....
25.	Inspections and Tests
26.	Liquidated Damages
27.	Warranty
28.	Patent Indemnity
29.	Limitation of Liability.....
30.	Change in Laws and Regulations.....
31.	Force Majeure
32.	Change Orders and Contract Amendments.....
33.	Extension of Time.....
34.	Termination.....
35.	Assignment

Conditions of Contract

1. Definitions

1.1 The following words and expressions shall have the meanings hereby assigned to them:

- (a) “Contract” means the Contract Agreement entered into between the Purchaser and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein.
- (b) “Contract Documents” means the documents listed in the Contract Agreement, including any amendments thereto.
- (c) “Contract Price” means the price payable to the Supplier as specified in the Contract Agreement, subject to such additions and adjustments thereto or deductions there from, as may be made pursuant to the Contract.
- (d) “Day” means calendar day.
- (e) “Completion” means the fulfillment of the supply of Goods to the destination specified and completion of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Contract.
- (f) “CC” means the Conditions of Contract.
- (g) “Goods” means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Purchaser under the Contract.
- (h) “Purchaser” means the entity purchasing the Goods and Related Services, as specified in the Contract Data.
- (i) “Subcontractor” means any natural person, private or government entity, or a combination of the above, to whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Supplier.

(k) “Supplier” means the natural person, private or government entity, or a combination of the above, whose bid to perform the Contract has been accepted by the Purchaser and is named as such in the Contract Agreement.

(l) “The Project Site,” where applicable, means the place named in the Contract Data.

2. Contract Documents

2.1 Subject to the order of precedence set forth in the Contract Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory. The Contract Agreement shall be read as a whole.

3. Fraud and Corruption

3.1 The Government of Sri Lanka requires the Purchaser as well as bidders, suppliers, contractors, and consultants to observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy:

(i) “corrupt practice” means offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution;

(ii) “fraudulent practice” means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;

(iii) “collusive practice” means a scheme or arrangement between two or more bidders, with or without the knowledge of the Purchaser to establish bid prices at artificial, non-competitive levels; and

(iv) “coercive practice” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract.

4. Interpretation

4.1 If the context so requires it, singular means plural and vice versa.

4.2 Entire Agreement

The Contract constitutes the entire agreement between the Purchaser and the Supplier and **supersedes all communications, negotiations and agreements (whether written or oral)** of the parties with respect thereto made prior to the date of Contract.

- 4.3 Amendment
- No amendment or other variation of the Contract shall be valid **unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto.**
- 4.4 Severability
- If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.
5. **Language**
- 5.1 The Contract as well as all correspondence and documents relating to the Contract exchanged by the Supplier and the Purchaser, shall be written in English language. **Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation** of the relevant passages in the language specified, in which case, for purposes of interpretation of the Contract, this translation shall govern.
- 5.2 The Supplier shall bear all costs of translation to the governing language and all risks of the accuracy of such translation, for documents provided by the Supplier.
6. **Joint Venture, Consortium or Association**
- 6.1 If the Supplier is a joint venture, consortium, or association, all of the parties shall be jointly and severally liable to the Purchaser for the fulfilment of the provisions of the Contract and shall designate one party to act as a leader with authority to bind the joint venture, consortium, or association. The composition or the constitution of the joint venture, consortium, or association shall not be altered without the prior consent of the Purchaser.
7. **Eligibility**
- 7.1 All goods supplied under this contract shall be complied with applicable standards stipulated by the Sri Lanka Standards Institute. In the absence of such standards, the Goods supplied shall be complied with other internationally accepted standards, such as British Standards.
8. **Notice**
- 8.1 Any notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the **Contract Data**. The term “in writing” means communicated in written form with proof of receipt.
- 8.2 A notice shall be effective when delivered or on the notice’s effective date, whichever is later.

9. **Governing Law** 9.1 The Contract shall be governed by and interpreted in accordance with the laws of the Democratic Socialist Republic of Sri Lanka.
10. **Settlement of Disputes** 10.1 The Purchaser and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
- 10.2 If, after twenty-eight (28) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of *its* intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract. Arbitration proceedings shall be conducted in accordance with the Arbitration Act No:11 of 1995.
- 10.3 Notwithstanding any reference to arbitration herein,
- (a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and
- (b) the Purchaser shall pay the Supplier any money due to the Supplier.
11. **Scope of Supply** 11.1 The Goods and Related Services to be supplied shall be as specified in the Schedule of Requirements.
12. **Delivery and Documents** 12.1 12.1 Subject to CC Sub-Clause 32.1, the Delivery of the Goods and Completion of the Related Services shall be in accordance with the Delivery and Completion Schedule specified in the Schedule of Requirements. Where applicable the details of shipping and other documents to be furnished by the Supplier are specified in the **Contract Data**.
13. **Supplier's Responsibilities** 13.1 The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with CC Clause 11, and the Delivery and Completion Schedule, as per CC Clause 12.
14. **Contract Price** 14.1 Prices charged by the Supplier for the Goods supplied and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid.

- 15. Terms of Payment**
- 15.1 The Contract Price, shall be paid as specified in the **Contract Data**.
- 15.2 The Supplier's request for payment shall be made to the Purchaser in writing, accompanied by invoices describing, as appropriate, the Goods delivered and Related Services performed, and by the documents submitted pursuant to CC Clause 12 and upon fulfilment of all other obligations stipulated in the Contract.
- 15.3 Payments shall be made promptly by the Purchaser, but in **no case later than twenty-eight (28) days** after submission of an invoice or request for payment by the Supplier, and after the Purchaser has accepted it.
- 16. Taxes and Duties**
- 16.1 The Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.
- 17. Performance Security**
- 17.1 If required as specified in the **Contract Data**, the Supplier shall, within fourteen (14) days of the notification of contract award, provide a performance security of Ten percent (10%) of the Contract Price for the performance of the Contract.
- 17.2 The proceeds of the Performance Security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 17.3 As specified in the **Contract Data**, the Performance Security, if required, shall be in Sri Lankan Rupees and shall be in the format stipulated by the Purchaser in the **Contract Data**, or in another format acceptable to the Purchaser.
- 17.4 The Performance Security shall be discharged by the Purchaser and returned to the Supplier not later than twenty-eight (28) days following the date of Completion of the Supplier's performance obligations under the Contract, including any warranty obligations.
- 18. Copy right**
- 18.1 The copyright in all drawings, documents, and other materials containing data and information furnished to the Purchaser by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Purchaser directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party.
- 19. Confidential Information**
- 19.1 The Purchaser and the Supplier shall keep confidential and shall not, **without the written consent of the other party hereto, divulge to any third party any documents, data, or other information** furnished

directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract. Notwithstanding the above, the Supplier may furnish to its Subcontractor such documents, data, and other information it receives from the Purchaser to the extent required for the Subcontractor to perform its work under the Contract, in which event the Supplier shall obtain from such Subcontractor an undertaking of confidentiality similar to that imposed on the Supplier under CC Clause 19.

19.2 The Purchaser shall not use such documents, data, and other information received from the Supplier for any purposes unrelated to the contract. Similarly, the Supplier shall not use such documents, data, and other information received from the Purchaser for any purpose other than the performance of the Contract.

19.3 The above provisions of CC Clause 19 shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the Supply or any part thereof.

19.4 The provisions of CC Clause 19 shall survive completion or termination, for whatever reason, of the Contract.

20. Subcontracting

20.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under the Contract if not already specified in the bid. Such notification, in the original bid or later shall not relieve the Supplier from any of its obligations, duties, responsibilities, or liability under the Contract.

20.2 Subcontracts shall comply with the provisions of CC Clauses 3 and 7.

21. Specifications and Standards

21.1 Technical Specifications and Drawings

(a) The Goods and Related Services supplied under this Contract shall conform to the technical specifications and standards mentioned in Section V, Schedule of Requirements and, when no applicable standard is mentioned, **the standard shall be equivalent or superior to the official standards whose application is appropriate to the Goods' country of origin.**

(b) The Supplier shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof provided or designed by or on behalf of the Purchaser, by giving a notice of such disclaimer to the Purchaser.

- (c) Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the Schedule of Requirements. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Purchaser and shall be treated in accordance with CC Clause 32.
- 22. Packing and Documents** 22.1 The Supplier shall pack the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract.
- 23. Insurance** 23.1 Unless otherwise specified in the **Contract Data**, the Goods supplied under the Contract shall be fully insured against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery.
- 24. Transportation** 24.1 Unless otherwise specified in the **Contract Data**, the responsibility for arranging transportation of the Goods shall be the responsibility of the supplier.
- 25. Inspections and Tests** 25.1 The Supplier shall at its own expense and at no cost to the Purchaser carry out all such tests and/or inspections of the Goods and Related Services as are specified in the **Contract Data**.
- 25.2 The inspections and tests may be conducted on the premises of the Supplier or its Subcontractor, at the point of delivery, and/or at the Goods' final destination, or in another place as specified in the **Contract Data**. Subject to CC Sub-Clause 25.3, if conducted on the premises of the Supplier or its Subcontractor, all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser.
- 25.3 The Purchaser or its designated representative shall be entitled to attend the tests and/or inspections referred to in CC Sub-Clause 25.2, provided that the Purchaser bear all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all travelling and board and lodging expenses.
- 25.4 Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Purchaser. The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Purchaser or its designated representative to attend the test and/or inspection.

- 25.5 The Purchaser may require the Supplier to carry out any test and/or inspection not required by the Contract but deemed necessary to verify that the characteristics and performance of the Goods comply with the technical specifications codes and standards under the Contract, provided that the Supplier's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impedes the progress of manufacturing and/or the Supplier's performance of its other obligations under the Contract, due allowance will be made in respect of the Delivery Dates and Completion Dates and the other obligations so affected.
- 25.6 The Supplier shall provide the Purchaser with a report of the results of any such test and/or inspection.
- 25.7 The Purchaser may reject any Goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Purchaser, and shall repeat the test and/or inspection, at no cost to the Purchaser, upon giving a notice pursuant to CC Sub-Clause 25.4.
- 25.8 The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the Purchaser or its representative, nor the issue of any report pursuant to CC Sub-Clause 25.6, shall release the Supplier from any warranties or other obligations under the Contract.
- 26. Liquidated Damages**
- 26.1 Except as provided under CC Clause 31, if the Supplier fails to deliver any or all of the Goods by the Date(s) of delivery or perform the Related Services within the period specified in the Contract, the Purchaser may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in the Contract Data of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in those **Contract Data**. Once the maximum is reached, the Purchaser may terminate the Contract pursuant to CC Clause 34.
- 27. Warranty**
- 27.1 The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.
- 27.2 Subject to CC Sub-Clause 21.1(b), the Supplier further warrants that the Goods shall be free from defects arising

from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in the country of final destination.

- 27.3 Unless otherwise specified in the **Contract Data**, the warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the **Contract Data**.
- 27.4 The Purchaser shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity for the Supplier to inspect such defects.
- 27.5 Upon receipt of such notice, the Supplier shall, within the period specified in the **Contract Data**, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser.
- 27.6 If having been notified, the Supplier fails to remedy the defect within the period specified in the **Contract Data**, the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.
- 28. Patent Indemnity**
- 28.1 The Supplier shall, subject to the Purchaser's compliance with CC Sub-Clause 28.2, indemnify and hold harmless the Purchaser and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Purchaser may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of :
- (a) the installation of the Goods by the Supplier or the use of the Goods in the country where the Site is located; and
 - (b) The sale in any country of the products produced by the Goods.

Such indemnity shall not cover any use of the Goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, neither any infringement resulting from the use of the Goods or any part thereof, or any products produced thereby in association or combination with any other equipment,

plant, or materials not supplied by the Supplier, pursuant to the Contract.

- 28.2 If any proceedings are brought or any claim is made against the Purchaser arising out of the matters referred to in CC Sub-Clause 28.1, the Purchaser shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in the Purchaser's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.
- 28.3 If the Supplier fails to notify the Purchaser within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Purchaser shall be free to conduct the same on its own behalf.
- 28.4 The Purchaser shall, at the Supplier's request, afford all available assistance to the Supplier in conducting such proceedings or claim, and shall be reimbursed by the Supplier for all reasonable expenses incurred in so doing.
- 28.5 The Purchaser shall indemnify and hold harmless the Supplier and its employees, officers, and Subcontractors from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Supplier may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of the Purchaser.

29. Limitation of Liability

- 29.1 Except in cases of criminal negligence or willful misconduct,
- (a) the Supplier shall not be liable to the Purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser and
 - (b) the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the supplier to indemnify the purchaser with respect to patent infringement.

30. Change in Laws and Regulations

30.1 Unless otherwise specified in the Contract, if after the date of 28 days before date of Bid submission, any law, regulation, ordinance, order or **by law** having the force of law is enacted, promulgated, abrogated, or changed in Sri Lanka that subsequently affects the Delivery Date and/or the Contract Price, then such Delivery Date and/or Contract Price shall be correspondingly increased or decreased, to the extent that the Supplier has thereby been affected in the performance of any of its obligations under the Contract. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable, in accordance with CC Clause 14.

31. Force Majeure

31.1 The Supplier shall not be liable for forfeiture of its Performance Security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

31.2 For purposes of this Clause, "Force Majeure" means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.

31.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

32. Change Orders and Contract Amendments

32.1 The Purchaser may at any time order the Supplier through notice in accordance CC Clause 8, to make changes within the general scope of the Contract in any one or more of the following:

- (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
- (b) the method of shipment or packing;
- (c) the place of delivery; and

(d) The Related Services to be provided by the Supplier.

32.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery/Completion Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this Clause must be asserted within twenty-eight (28) days from the date of the Supplier's receipt of the Purchaser's change order.

32.3 Prices to be charged by the Supplier for any Related Services that might be needed but which were not included in the Contract shall be agreed upon in advance by the parties and **shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.**

32.4 Subject to the above, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

33. Extensions of Time

33.1 If at any time during the performance of the Contract, the Supplier or its subcontractors should encounter conditions impeding timely delivery of the Goods or completion of Related Services pursuant to CC Clause 12, the Supplier shall promptly notify the Purchaser in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract.

33.2 Except in case of Force Majeure, as provided under CC Clause 31, a delay by the Supplier in the performance of its Delivery and Completion obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to CC Clause 26, unless an extension of time is agreed upon, pursuant to CC Sub-Clause 33.1.

34. Termination

34.1 Termination for Default

(a) The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate the Contract in whole or in part:

(i) if the Supplier fails to deliver any or all of the Goods within the period specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to CC Clause 33;

- (ii) if the Supplier fails to perform any other obligation under the Contract; or
 - (iii) If the Supplier, in the judgment of the Purchaser has engaged in fraud and corruption, as defined in CC Clause 3, in competing for or in executing the Contract.
- In the event the Purchaser terminates the Contract in whole or in part, pursuant to CC Clause 34.1(a), the **Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Related Services similar to those undelivered or not performed, and the Supplier shall be liable to the Purchaser for any additional costs for such similar Goods or Related Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.**

34.2 Termination for Insolvency.

- (a) The Purchaser may at any time terminate the Contract by giving notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the Purchaser.

34.3 Termination for Convenience.

- (a) The Purchaser, by notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.
- (b) The Goods that are complete and ready for shipment within twenty-eight (28) days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:
 - (i) to have any portion completed and delivered at the Contract terms and prices; and/or

- (ii) To cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by the Supplier.

35. Assignment

- 35.1 Neither the Purchaser nor the Supplier shall assign, in whole or in *part*, their obligations under this Contract, except with prior written consent of the other party.

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SECTION –VIII

CONTRACT FORMS

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CONTENTS

PAGE

- | | |
|---|--------------|
| 1. Contract agreement | 36-37 |
| 2. Format for Performance Guarantee | 38 |
| 3. Format for release of retention Money | 39 |

INFORMATION COPY NOT FOR BIDDING

1. Contract Agreement

THIS CONTRACT AGREEMENT is made

the [insert : **Number**] day of [insert : **month**], [insert: **Year**]

BETWEEN

(1) [insert complete name of Purchaser], a [insert description of type of legal entity, for example, an agency of the Ministry of or corporation and having its principal place of business at [insert address of purchaser] (hereinafter called “the Purchaser”) and

(2) [insert name of Supplier] , a corporation incorporated under the laws of [insert : country of Supplier] and having its principal place of business at [insert : address of supplier] hereinafter called “the Supplier”).

WHEREAS the Purchaser invited bids for certain Goods and ancillary service, viz., [insert brief description of Goods and Service] and has accepted a Bid by the Supplier for the supply of those Goods and Services in the sum of [insert Contract Price in words and figures, expressed in the Contract currency (ies) (hereinafter called “the Contract Price”)

NOW THIS AGREEMENT WITNESS AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

2. The following documents shall constitute the Contract between the **Purchaser** and the Supplier, and each shall be read and constructed as an integral part of the Contract:

- (a) This Contract Agreement ;
- (b) Contract Data;
- (c) Conditions of Contract;
- (d) Technical Requirements (including Schedule of Requirements and Technical Specifications);
- (e) The Supplier’s Bid and original Price Schedules;
- (f) The Purchaser’s Notification of Award.
- (g) The supplier’s acknowledgement
- (h) [Add here any other document (s)].

3. This contract shall prevail over all other Contract documents. In the event of any discrepancy or inconsistency within the Contract documents., then the documents shall prevail in the order listed above.

4. In consideration of the payments to be made by the Purchaser to the Suppliers as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the Goods and Services and to remedy defects there in conformity in all respects with the provisions of the Contract.

5. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of *Democratic Socialist Republic of Sri Lanka* on the day, month and year indicated above.

For and on behalf of the Purchaser

Signed : *[insert signature]*

In the capacity of *[insert title or other appropriate designation]*

In the presence of *[insert identification of official witness]*

For and on behalf of the Supplier.

Signed: *[insert signature of authorized representative (s) of the Supplier]*

In the capacity of *[insert title or other appropriate designation]*

In the presence of *[insert identification of official witness]*

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2. FORMAT FOR PERFORMANCE GUARANTEE
(PROCUREMENT GUIDELINE REFERENCE 5.4.8)

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

.....

Beneficiary : (Name and Address of Employer)
.....

Date :

PERFORMANCE GUARANTEE No. :

We have been informed that (name of Contractor/Supplier) (**hereinafter called** "the Contractor") has entered into Contract No.
(reference number of the contract) dated with you, for the
..... (insert "construction" / "Supply") of (name
of contract and brief description of Works / (hereinafter called "the Contract").

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

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

This guarantee shall expire, no later than the day of 20..... (insert date,
28 days beyond the scheduled contract completion date) and any demand for payment under it
must be received by us at this office on or before that date.

.....
(Signature(s))

3. FORMAT FOR RELEASE OF RETENTION MONEY

(PROCUREMENT GUIDELINE REFERENCE 5.4.7)

.....(Issuing Agency’s Name, and Address of Issuing Branch or Office)

.....

Beneficiary : (Name and Address of Employer)
.....

Date :

RETENTION MONEY GUARANTEE No:

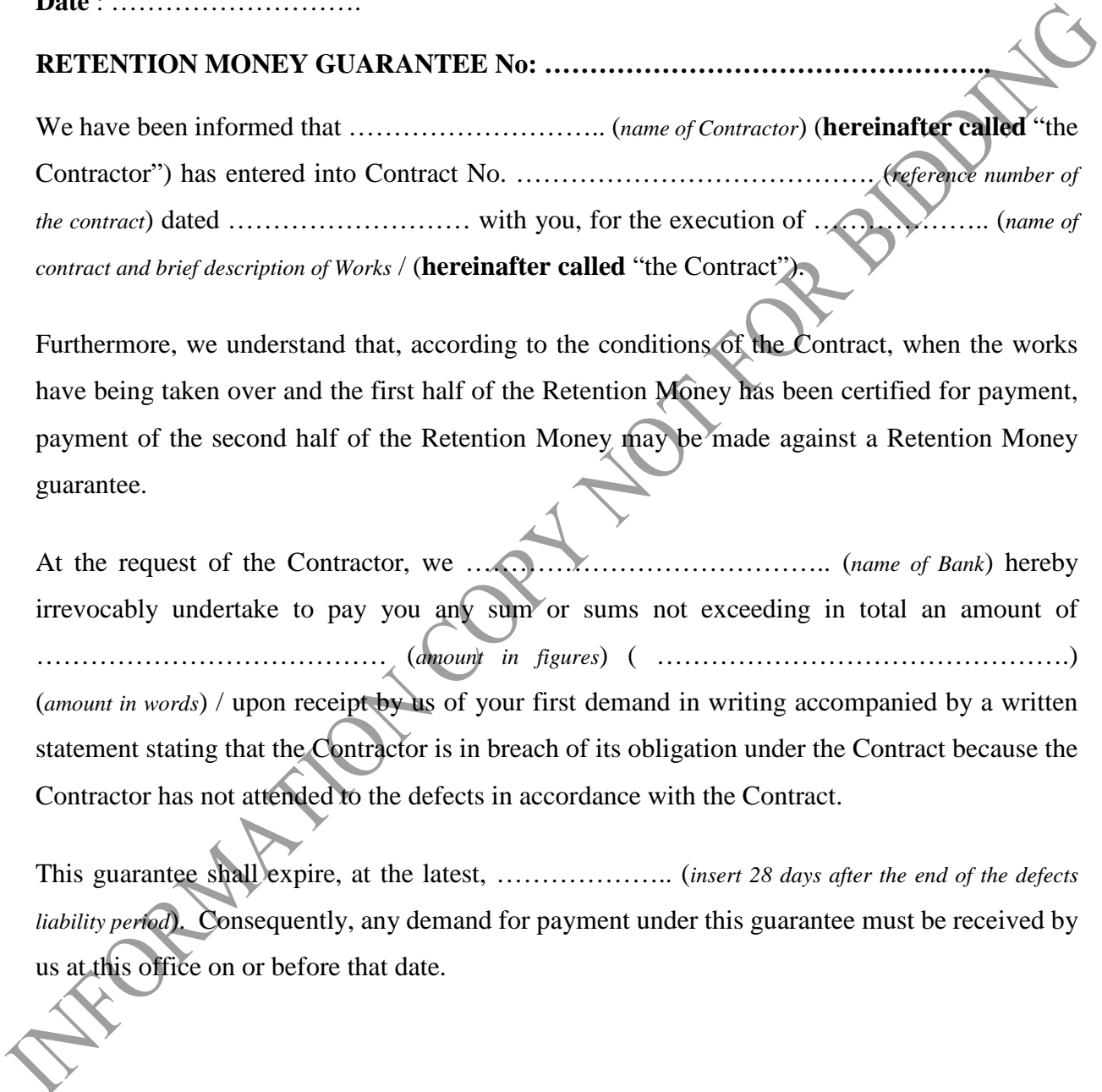
We have been informed that (name of Contractor) (**hereinafter called** “the Contractor”) has entered into Contract No. (reference number of the contract) dated with you, for the execution of (name of contract and brief description of Works / (**hereinafter called** “the Contract”).

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

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

This guarantee shall expire, at the latest, (insert 28 days after the end of the defects liability period). Consequently, any demand for payment under this guarantee must be received by us at this office on or before that date.

.....
Signature(s)



IFB No -SRS/8012

**PROCUREMENT FOR SUPPLY, INSTALLATION AND COMMISSIONING OF
LEVEL CROSSING MONITORING SYSTEM FOR 200 LOCATIONS**

NATIONAL COMPETITIVE BIDDING DOCUMENT

VOLUME 1

SECTION -I	INSTRUCTION TO BIDDERS (ITB)
SECTION -VI	CONDITIONS OF CONTRACT (CC)
SECTION -VIII	CONTRACT FORMS

VOLUME 2

SECTION II	BIDDING DATA SHEET (BDS)
SECTION III	EVALUATION AND QUALIFYING CRITERIA
SECTION IV	BIDDING FORMS
SECTION V	SCHEDULE OF REQUIREMENTS
SECTION VII	CONTRACT DATA

DEPARTMENT PROCUREMENT COMMITTEE (MAJOR),
SRI LANKA RAILWAYS,
OLCOTT MAWATHA,
COLOMBO 10.

CONTENTS		PAGE
SECTION -II	BIDDING DATA SHEET	42-44
SECTION -III	EVALUATION AND QUALIFYING CRETERIA	45-47
SECTION -IV	BIDDING FORMS	48 -56
SECTION -V	SCHEDULE OF REQUIREMENTS	57-69
SECTION -VII	CONTRACT DATA	70

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SECTION -II

BIDDING DATA SHEET

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Section II. Bidding Data Sheet (BDS)

The following specific data for the goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

ITB Clause Reference	A. General
ITB 1.1	The Purchaser is: SRI LANKA RAILWAYS
ITB 1.1	The name and identification number of the Contract are: PROCUREMENT FOR SUPPLY, INSTALLATION AND COMMISSIONING OF LEVEL CROSSING MONITORING SYSTEM FOR 200 LOCATIONS
ITB 2.1	The source of funding is: Consolidated fund -Government of Sri Lanka (GOSL)
ITB 4.4	Foreign bidders are not allowed
ITB 5.1	As stated in the schedule of requirements (Section V)
	B. Contents of Bidding Documents
ITB 7.1	For Clarification of bid purposes only, the Purchaser's address is: Attention: Deputy General Manager (Procurement) Address: Railway Procurement Sub Department, P.O. Box 1347, Olcott Mawatha, Colombo, Sri Lanka. Telephone: 94 (11) 2438078 or 94(11) 2436818 Facsimile number: 94(11) 2432044 Electronic mail address: srs.slr@gmail.com A prospective bidder requiring any clarification of the bidding documents may notify the Purchaser in writing, by Fax or e-mail at the Purchaser's address given above
	C. Preparation of Bids
ITB 11.1 (e)	The Bidder shall submit the following additional documents: 1. Official bidding document 2. Legally executed Power of Attorney (where applicable) 2. Certificate of Registration with the Registrar of Contracts 3. Certificate of performance supplying similar goods/works
ITB 14.1	Total bid price of the goods and works
ITB 15.1	The bidder shall quote in Sri Lankan rupees

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SECTION -III

EVALUATION AND QUALIFYING CRITERIA

Section III. Evaluation and Qualification Criteria

This Section complements the Instructions to Bidders. It contains the criteria that the Purchaser uses to evaluate a bid and determine whether a Bidder has the required qualifications. No other criteria shall be used.

1. Post qualification Requirements (ITB 37.2)

After determining the lowest-evaluated bid in accordance with ITB Sub-Clause 36.1, the Purchaser shall carry out the post qualification of the Bidder in accordance with ITB Clause 37, using only the requirements specified. Requirements not included in the text below shall not be used in the evaluation of the Bidder's qualifications.

2. Experience and Expertise:

2.1 Proven experience in similar projects.

Demonstrated expertise in **executing similar projects**, showcasing successful completion and client satisfaction. Documentary evidence (performance certificates/ purchase orders followed by evidence for successful completion) in this regard shall be submitted along with the offer.

Similar projects will be considered to be fulfilling one or more of following qualifications as at the bidding date;

- a) Bidder has supplied level crossing protection systems to Sri Lanka Railways (SLR) within last 15 years.
- b) Bidder has supplied Electrical/Electronic systems (Railway signalling systems/ Loco management systems) to SLR in past 5 years at least to a contract value equal or higher than the quoted price for this.
- c) Bidder has installation, commissioning and maintaining experience in SCADA systems for more than 5 years and has successfully carried out a similar (to the satisfaction of purchaser) project for a value not less than the quoted price within last 5 years.

2.2 Technical Competence:

- 2.2.1 Possession of the necessary technical knowledge and skills related to supply and installation of manually operated barriers. **Bidder shall deploy a suitable Technical Officer with minimum 10 years' experience in Sri Lanka Railways in Signal and/or Communication to supervise the installation and monitor the maintenance.** Bidder

shall submit the CV of the intended officer demonstrating SLR experience along with the bid submission.

2.2.2 There are various level crossing protection systems in Sri Lanka Railways, technology differs from each other. Bidder shall have necessary technical competency for plug-in his system to any type of level crossing protection system without any assistance/intervention from the purchaser other than the commitments made in the Schedule of Requirements. Technical knowhow of the level crossing protection systems and obtaining necessary technical details/circuits/port access data from the Original System Supplier shall be totally at bidders' responsibility.

However, the project execution shall be strictly under SLR supervision.

2.3 Equipment and Resources:

Bidder shall submit evidence for following resources.

- Availability of the required equipment and resources for efficient and effective job execution.
- Adequate workforce with relevant skills and experience in handling required installations.

3. Compliance with Regulations:

Adherence to international standards and safety protocols related to safety system installations.

Documentation of any relevant certifications or approvals from regulatory bodies.

4. References:

Provision of references from previous clients attesting to the supplier's performance in similar projects.

5. Safety Measures:

Supplier should have adequate experience in safety critical systems handling at similar installations.

6. Project Timeline Commitment:

Ability to commit to and meet the project timeline, demonstrating efficiency and prompt project delivery.

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SECTION -IV

BIDDING FORMS

Table of Forms

Bid Submission Form	50-51
Price Schedule:.....	52
Compliance sheet	53-54
Bid Security (Guarantee).....	55
Manufacturer Authorization	56
Shedule of Requirements	57 - 69

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Bid Submission Form

Date: *[insert date (day, month and year) of Bid Submission]*

No.: *[insert number of bidding process]*

To: Chairperson,
Department Major Procurement Committee

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda No.: *[insert the number and issuing date of each Addenda]*;
- (b) We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods and Related Services [** insert a brief description of the Goods and Related Services*];
- (c) The total price of our Bid, including any discounts offered is: *[insert the total bid price in words and figures]*;
- (d) Our bid shall be valid for the period of time specified in ITB Sub-Clause 19.1, from the date fixed for the bid submission deadline in accordance with ITB Sub-Clause 23.1, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (e) If our bid is accepted, we commit to obtain a performance security in accordance with ITB Clause 43 and CC Clause 17 for the due performance of the Contract;
- (f) We have no conflict of interest in accordance with ITB Sub-Clause 4.3;
- (g) Our firm, its affiliates or subsidiaries—including any subcontractors or suppliers for any part of the contract—has not been declared blacklisted by Department of Public Finance.
- (k) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed.
- (l) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

I/We submit hereto the following documents as part of my/our bid as per ITB 11.1 e of BDS.

	Page No
1. Official bidding document
2. Legally executed Power of Attorney (where applicable)
3. Certificate of Registration with the Registrar of Contracts
4. Certificate/s of performance supplying similar goods
5. Schedule of delivery as per Cl 12 of CC and contract data

6. Any other applicable document such as
- | | |
|--|-------|
| Schedule of Prices – Duly completed and signed | |
| Form of Bid - Duly completed and signed | |
| Bid security Guarantee, as per Cl. – 20.2 of BDS | |

5. My/Our Bank reference is as follows:

Date:.....

.....
Signature of Bidder

Name of Bidder:.....

Postal Address:.....

.....

Email Address:.....

Telephone Number:.....

Fax Number:.....

Details of the Local Agent, if any:

Name

Postal Address:.....

.....

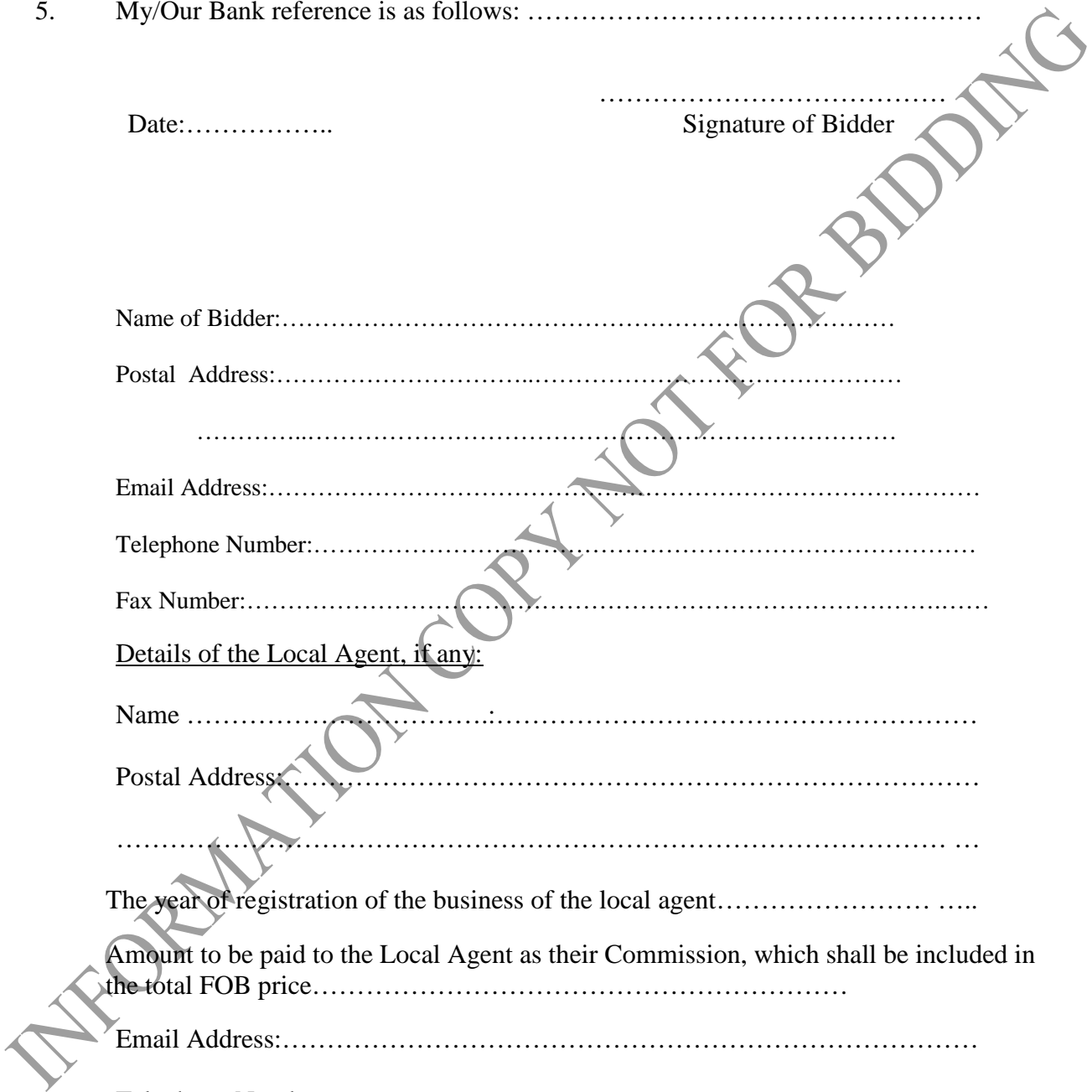
The year of registration of the business of the local agent.....

Amount to be paid to the Local Agent as their Commission, which shall be included in the total FOB price.....

Email Address:.....

Telephone Number:.....

Fax Number:.....



PRICE SCHEDULE

PRICE SCHEDULE FOR THE SUPPLY, INSTALLATION AND COMMISSIONING OF LEVEL CROSSING MONITORING SYSTEM Procurement No. SRS/8012

Item No.	Description	Qty.	Unit Price (LKR)	Total Price without VAT	NBT (if applicable)	VAT	Total
01	Application server - Hardware	1 Nos.					
02	Application server - software	1 Nos					
03	Monitoring client - Hardware	2 Nos					
04	Monitoring client - Software	2 Nos					
05	Communication module - Hardware	200					
06	Communication module - Software	200					
07	Backup power source	200					
08	Warranty for 3 years (As specified)	1					
09	AMC for 4 th year	1					
10	AMC for 5 th year	1					
11	Training for 40 staff members	1					
12	Expansion cost for adding new location as per 6.2 clause of specification sheet	1					

Note – All prices in the price schedule shall include the supply and installation cost.

NBT Registration No. :

VAT Registration No. :

Date and Signature of Bidder :

Name & Address of the bidder :

(This shall be attested by stamping the frank)

COMPLIANCE SHEET

Any biding document with incomplete compliance sheet will cause the bid to be rejected. Clause numbers refers to Specifications.

Clause Number	Requirement	Compliance		Comments
		Yes	No	
1	Compliance to clause 1 and sub clauses			
2	Compliance to clause 2.1 and sub clauses			
3	Compliance to clause 2.2 and sub clauses			
4	Compliance to clause 2.3 and sub clauses			
5	Compliance to clause 2.4 and sub clauses			
6	Compliance to clause 2.5 and sub clauses			
7	Compliance to clause 2.6 and sub clauses			
8	Compliance to clause 2.7 and sub clauses			
9	Compliance to clause 3			
10	Compliance to clause 4 and sub clauses			
11	Compliance to clause 5.1 and sub clauses			

12	Compliance to clause 5.2			
13	Compliance to clause 5.3 and sub clauses			
14	Compliance to clause 6 and sub clauses			
15	Compliance to clause 7 and sub clauses			
16	Compliance to clause 8 and sub clauses			
17	Compliance to clause 9 and sub clauses			
18	Compliance to clause 10 and sub clauses			
19	Bidder will be responsible for interfacing the offered Level crossing monitoring system with the live level crossing protection systems through necessary coordination with the system supplier/manufacturer.			
20	Liasing with third party: Compile and submit all required documentation to regulatory authorities/other organizations (such as for purchasing SIM cards), where required.			
21	SLR will decide the final list of locations before the execution. Total number may vary by $\pm 25\%$.			

Date.....

.....
Bidder's Signature

Bid Security Guarantee

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

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

***Beneficiary:** General Manger Sri Lanka Railways

Date: ----- *[insert (by issuing agency) date]*

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

We have been informed that ----- *[insert (by issuing agency) name of the Bidder; if a joint venture, list complete legal names of partners]* (hereinafter called "the Bidder") has submitted to you its bid dated ----- *[insert (by issuing agency) date]* (hereinafter called "the Bid") for the supply of *[insert name of Supplier]* under Invitation for Bids No. ----- *[insert IFB number]* ("the IFB").

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

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

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

This Guarantee shall expire: (a) if the Bidder is the successful bidder, upon our receipt of copies of the Contract signed by the Bidder and of the Performance Security issued to you by the Bidder; or (b) if the Bidder is not the successful bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder that the Bidder was unsuccessful, otherwise it will remain in force up to ----- *(insert date)*

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

[signature(s) of authorized representative(s)]

Manufacturer's Authorization *(not applicable for this procurement)*

[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The Bidder shall include it in its bid, if so indicated in the BDS.]

Date: *[insert date (as day, month and year) of Bid Submission]*
No.: *[insert number of bidding process]*

To: *[insert complete name of Purchaser]*

WHEREAS

We *[insert complete name of Manufacturer]*, who are official manufacturers of *[insert type of goods manufactured]*, having factories at *[insert full address of Manufacturer's factories]*, do hereby authorize *[insert complete name of Bidder]* to submit a bid the purpose of which is to provide the following Goods, manufactured by us *[insert name and or brief description of the Goods]*, and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 27 of the Conditions of Contract, with respect to the Goods offered by the above firm.

Signed: *[insert signature(s) of authorized representative(s) of the Manufacturer]*

Name: *[insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title: *[insert title]*

Duly authorized to sign this Authorization on behalf of: *[insert complete name of Bidder]*

Dated on _____ day of _____, _____ *[insert date of signing]*

**Section V.
Schedule of Requirements**

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Contents

	Page No
1. List of Goods and Delivery Schedule	59
2. Technical Specifications	60-69
3. Contract Data	70

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1. Delivery and Payment Schedule

Item No:	Description of Goods	Quantity	unit	Expected delivery date	Payment Schedule
1	Supply material and Installation and commissioning of server infrastructure (Include software)	1	Nos	30 days after awarding the contract	10% of first year payment after the server system handing over to SLR.
2	Supply of all remaining materials	Entire Lot	Lot	60 days after awarding the contract	Payment of 15% of the 1st year payment with the delivery of all communication modules and all other materials.
3	Commissioning of core system and integrating first 25 location systems	25	systems	90 days after awarding the contract	Payment of 35% of the first-year payment with commissioning and acceptance of the core system and first 25 systems.
4	Integrating each 25 location systems	175	systems	150 days after awarding the contract	Payment of 05% of the 1st year payment for each successfully handling over batch of 25 systems.
5	Completion of successfully installations of all systems and maintaining for one year.	1	Lot	12 months after handing over the last batch.	Payment of 5% of the 1st year payment as retention money which will be released at the completion of all due installations and completion of first year (Total system up and running and maintained at the end of first year).

2. TECHNICAL SPECIFICATIONS

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SPECIFICATION FOR SUPPLY, INSTALLATION AND COMMISSIONING OF LEVEL CROSSING MONITORING SYSTEM

1. BACKGROUND

SLR is expecting to install a real time monitoring system to monitor the status of Bell and Light type level crossing monitoring systems over the Sri Lanka Railway network.

1.1 SCOPE

Rail crossings are critical interfaces between the railway and the public that require regular maintenance and testing to ensure safety. On the other hand, continues monitoring helps to identify real time operational issues related to them. Further, there are few types of rails crossing methods such as barrier gates, bell and light. etc. **However, this procurement only focuses on level crossings which use bell and lights.**

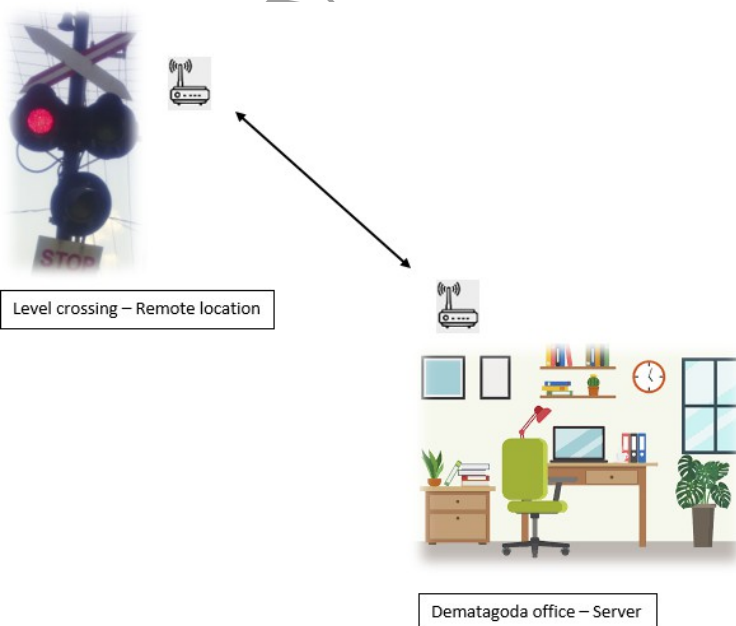
This document provides system requirement for the implementation and commission of the real-time network monitoring system for bell and light level crossing protection systems.

2. SYSTEM REQUIREMENTS

2.1. SYSTEM OVERVIEW

There shall be two main elements in the system. Namely,

- i. Management system including application server and monitoring clients
- ii. Communication module at each level crossing



2.1.1. Monitoring server should be implemented at Dematagoda or Maradana as decided by SLR at Execution. Currently, Railway does not have an intra-network. Therefore, communication between server and the level crossing module should be based on a

wireless methodology such as GSM, LTE etc. The bidder shall propose a suitable communication architecture to cater this requirement.

2.1.2. Identified fault locations' detail from the system should be forward to relevant SLR officers, through Short Messages (SMS) in predefined format and communication architecture.

2.1.3. At the initial phase, SLR is planning to integrate two hundred (200) no. of Bell and Light level crossings.

2.2. APPLICATION SERVER AND MONITORING CLIENTS

2.2.1. Application server is responsible for collecting, storing and retrieving of data. Further, real time status should be available in the monitoring client interface. The bidder shall propose either a web based or stand-alone client interface.

2.2.2. The parameters shown in below table shall be monitored via monitoring clients.

Location ID	Location Name	AC Power Status	DC Power Status	LR Relay Status	Train detector status x 4	Red Light Status	Overall status
MDA 4	Maradana	Available/ Not available	Available/ Not available	Up/ Down	UP/ Down	On/ Off	Normal/ Error

2.2.3. The proposed system shall provide the necessary redundancy in hardware.

2.2.4. Configuration data, logs and user data shall be backed up monthly and shall be retained for at least one year.

2.2.5. Backup power shall be available to provide four (04) hours of uninterrupted service upon any commercial power failure.

2.2.6. The bidder shall be authorized to use any licensed software but required to provide necessary license details and user credentials to the SLR.

2.2.7. The bidder shall provide at least 2 no. of clients to SLR.

2.3. COMMUNICATION MODULE

Communication module is used to transmit relevant data to the server located at Maradana or Dematagoda from each level crossing stations. Following data shall be transmitted (Based on the system architecture data may be changed).

- i. Status of red lights - Condition of the lights and bell. To get these data, supplier may install the required sensors.
- ii. Status of DC supply - This data can be collected from a relay contactor.
- iii. Status of AC supply - This data can be collected from a relay contactor.
- iv. Status of Locking Relay (LR) - This data can be collected from a relay contactor.
- v. Status of train detectors (4 or 8 Nos per lx)

2.3.1. For every fifteen minutes (15), the status of above parameter should be transmitted to the server. If there is any change in above mentioned parameters, those changes shall be communicated to the server immediately.

2.3.2. Location should be identified by using a unique location code which will provided by the SLR during the implementation stage. For example,

M_DMA2_RED_ON

M - Main line

DMA2 - Level crossing code

RED - Indicator for RED light

ON - Status of the above indicator

2.4. LOGIC TABLE OF THE STATUS

2.4.1 Remote communication module should be capable of transmitting four number of main inputs and detector status to the server system as follows.

Main inputs :-

1. Status of Red lights (On/Off)
2. Status of DC supply (On/Off)
3. Status of AC supply (On/Off)
4. Status of LR relay (Up/Down) (Based on location input method may vary)

2.4.2. Based on these inputs, monitoring system show whether corresponding bell and light unit is working properly or not as per below table.

AC Supply	DC Supply	Locking Relay	Red lights and bell	Status
0	0	0	0	AC not available
0	0	0	1	AC not available
0	0	1	0	AC not available
0	0	1	1	AC not available
0	1	0	0	AC not available
0	1	0	1	AC not available
0	1	1	0	AC not available

0	1	1	1	AC not available
1	0	0	0	DC not available
1	0	0	1	DC not available
1	0	1	0	DC not available
1	0	1	1	DC not available
1	1	0	0	Normal
1	1	0	1	Error
1	1	1	0	Error
1	1	1	1	Normal

2.4.3. Further, if a particular crossing stays more than **X** minutes in last status in the above table, crossing status should change to “Error” status. Value **X** should be configurable for each crossing separately.

2.4.4. Once crossing is in “Error” status, it should stop auto refreshing and manual reset is required to start refresh again.

2.5. CAPACITY AND SCALABILITY REQUIREMENTS

The proposed solution shall have the capability to scale out to cater future requirements (e.g., no. of railroad crossings, no. of clients)

2.6. SECURITY REQUIREMENTS

2.6.1. The proposed solution components and applications shall be hardened against any type of attacks. The bidder shall provide documentary details on all the security features available in the system.

2.6.2. The bidder shall deploy a reputed end point protection solution for both client machines and server.

2.6.3. The bidder shall have a well-defined patching mechanism for the vulnerabilities identified in the proposed solution and it shall be provided FoC.

2.7. MANAGEMENT AND REPORTING REQUIREMENTS

2.7.1. The proposed solution shall have the capability to generate reports and shall have the capability to filtering the required data based on following parameters, but not limited to,

- a. Time
- b. Level crossing ID
- c. Level crossing status

The bidder shall list any other available parameters for filtering.

2.7.2. The reports shall be able to be exported into common document formats such as CSV, xls, xlsx etc.

2.7.3. The proposed solution shall be enabled with security logs and event logs with debug information for troubleshooting and investigations.

2.7.4. Faulty level crossing detail should be forwarded via text message to relevant SLR officers and SLR must have the authority to change contact numbers.

3. RESPONSIBILITY MATRIX

Task	Task Owner
Custom clearance (if required)	Supplier
TRCSL clearance (if required)	Supplier
Hardware installation	Supplier
Software installation	Supplier
Local transportation	Supplier
SIM purchasing (if required)	Supplier
Backup power arrangement	Supplier
System testing and acceptance	Supplier and SLR

4. SCOPE OF WORK AND PROFESSIONAL SERVICES

4.1 The bidder shall study, design, implement and commission the system to network monitoring system for railroad crossings.

4.2 The bidder shall implement all the requirements in this RFP complied during the bidding stage.

4.3 Bidder shall conduct a POC after awarding of the tender to evaluate the performance of the proposed solution. POC will be conducted as a pilot run for only around 25 selected level crossings. The bidder shall bring down all necessary hardware and software to carry out the POC.

4.4 Bidder shall verify and prove the compliance for agreed solution in the real environment with respect to compliance schedule under the scope of PAT in section 09.

4.5 If any incompatibility occurs, bidder shall explicitly convey it to Sri Lanka Railway and bidder shall arrange an alternative solution Free of Charge (FoC).

4.6 If Bidder cannot meet the complied and contractually agreed requirements with proposed hardware, software, licensing and professional services, bidder shall provide additionally required hardware, software, licenses and any other necessities at FoC to SLR and complete the implementation without affecting the timelines.

4.7 Bidder shall provide proper knowledge transfer of the system as detailed in section 10.

4.8 Bidder shall provide maintenance support as per Section 6.

5 WARRANTY, SUPPORT AND MAINTENANCE SERVICES

5.1 WARRANTY - HARDWARE & SOFTWARE

5.1.1 The warranty period for the hardware/ software shall be three (03) years from the date of acceptance (PAC) of each system/batch.

5.1.2 During the warranty period, the Bidder shall repair/ replace all defective components in the system (both hardware and software) without violating SLAs as mentioned in GCC clause 11 at the installed sites at no charge to SLR.

5.1.3 If Bidder provides newer set of software, accessories or parts with any system upgrades, all specified functionalities shall be available without any additional cost to SLR.

5.1.4 Warranty shall include,

- I. 24x7 telephone and onsite support
- II. Free installation of system patches and version upgrades
- III. System health checks

5.2. MAINTENANCE AND SUPPORT SERVICES (POST WARRANTY)

5.1.1 SLR may enter into an Annual Support & Maintenance Agreement (AMC) with the expiration of three-year warranty period.

5.1.2 The Bidder shall provide the Support and Maintenance prices for the quoted system after the three-year warranty period in the format given in Appendix-“D” price schedule.

5.1.3 The system shall have a life span of 8 years from the date of PAC.

5.2 SUPPORT PERSONNEL

The Bidder shall provide a list of their professionally qualified support personnel and their detailed profile and experience.

5.3 PROJECT TEAM

5.3.1 The bidder shall provide the structure of the project organization which handles the project.

5.3.2 The bidder shall designate a professionally qualified Project Manager with 3 years' experience in project management. The complete profile of Project Manager shall be given with the RFP response.

5.3.3 The bidder shall have a qualified technical team available for proposed solution/technology and shall provide references of projects within last three years.

5.3.4 The bidder shall provide the list of dedicated teams assigned in full time for the entire period of execution of the project, with their role in the project implementation.

5.3.5 The roles and responsibility of each designation and all relevant parties shall be clearly mentioned with a RACI matrix document. This shall include relevant professionals to cover the entire scope.

5.3.6 The bidder shall specify the educational profile, qualifications and certifications of each project member and provide their details of experience informatively.

6 EXPANSION AND GROWTH

6.1 In case of SLR require to add new crossing stations within the contract period, the bidder shall agree to cater such requirements as per the quoted unit prices.

6.2 The bidder shall provide future expansion prices as per price schedule. The bidder shall consider all the interdependencies for such expansions not limited to application server expansion and client expansion.

6.3 The bidder shall make commitment that the future expansion prices will not exceed the prices provided here for a period of three years from the date of Purchase Order (PO).

7 TECHNICAL DOCUMENTATION

7.1 The bidder shall provide adequate technical and operator manuals which illustrate system's technical specification, installation, commissioning, configuration, operation & maintenance for the proposed solution.

7.2 Bidder shall prepare and produce As-built document after completion of PAT and prior to obtaining the PAC.

7.3 As-built document shall contain followings (but not limited to),

- a) Layout diagram (power, network ... etc.)
- b) Technical documents
- c) User Manuals
- d) Operational guidelines
- e) Configuration details
- f) System integration details
- g) Feature and function description
- h) System limitations
- i) Complied technical standards (IETF RFC, IEEE, ITU-T standards) with details
- j) Troubleshooting procedures including commands and command output description

8 TRAINING REQUIREMENTS

8.1 The bidder shall conduct a training session to SLR employees to impart the knowledge for their day-to-day operations of the entire system implemented including client, server and communication module.

8.2 Bidder shall provide standard, structural training using equivalent hardware and software in a standard training environment.

8.3 The bidder shall perform knowledge transfers in all respective areas during the implementation, explaining the configurations and installation that is done during the implementation process.

8.4 Bidder shall provide contents and the duration of the trainings included in the proposal.

8.5 Bidder shall provide the training fee in the price schedule (for the number of trainees mentioned).

8.6 Bidder shall provide the skills and qualifications of the trainer at least two weeks before the commencement of the training for SLR's confirmation.

8.7 Training shall be provided with sufficient hands-on practices for the trainees.

9 PROVISIONAL ACCEPTANCE TESTING

9.1 Bidder shall prepare and submit the test case documents for Provisional Acceptance Test (PAT), two (02) weeks before the Provisional Acceptance Testing.

9.2 Bidder shall formulate PAT documents which shall include the detailed test cases of the solution including followings,

- a) Objective of the test
- b) Logical topology
- c) Test Procedure / Methodology
- d) System Configuration
- e) Expected Results (configuration outputs, observations, etc.)
- f) Actual Results
- g) Covered technical specification clauses
- h) Covered standards (IETF RFCs, ITU, ISO, etc.)
- i) Test Case result (Pass or Fail)
- j) Test Case Approval for SLR and Testing Party

9.3 Bidder shall demonstrate all the applicable compliances with test cases under the scope of PAT.

10 PAYMENT TERMS

10.1 Payment of 10% of 1st year payment with the delivery and commissioning of server infrastructure.

10.2 Payment of 15% of the 1st year payment with the delivery of all communication modules and all other materials.

10.3 Payment of 35% of the first-year payment with commissioning and acceptance of the core system and first 25 systems.

10.4 Payment of 05% of the 1st year payment for each successfully handling over batch of 25 systems.

10.5 Payment of 5% of the 1st year payment as retention money which will be released at the completion of all due installations and completion of first year (Total system up and running and maintained at the end of first year).

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Section VII. Contract Data

The following Contract Data shall supplement and / or amend the Conditions of Contract (CC). Whenever there is a conflict, the provisions herein shall prevail over those in the CC.

CC 1.1(h)	The Purchaser is: SRI LANKA RAILWAYS
CC 7.1	The goods supplied under this contract shall conform to the Specifications issued with this Bid.
CC 8.1	<p>For notices, the Purchaser's address shall be:</p> <p>Attention: Deputy General Manager (Procurements), Address: Railway Procurement Sub Department, P.O. Box 1347, Olcott Mawatha, Colombo.</p> <p>Telephone: 94 (11) 2438078 or 94(11) 2436818 Facsimile number: 94(11) 2432044</p> <p>Electronic mail address: srs.slr@gmail.com</p>
CC 12.1	Delivery shall be in accordance with the delivery and payment schedule in section V.
CC 15.1	The method and conditions of payment will be as mentioned in the Delivery and Payment Schedule in Section V
CC 16.1	For goods manufactured outside the Purchaser's Country, the Supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the Purchaser's Country.
CC 17.1	<p>A Performance Security:</p> <p>The amount of Performance Security, as a percentage of the contract price, shall be Ten percent (10%) of the Contract Price.</p> <p>Within twenty-one (21) days of receipt of the Notification of award of the Contract the successful Bidder shall furnish to the Purchaser an on-demand performance security.</p>
CC 25.1	The inspections and tests shall be as per the section V if so mentioned.
CC 26.1	<p>The liquidated damage shall be: 0.5 % of the contract value per week. The maximum amount of liquidated damages shall be: 8 % of the total contract value.</p>
CC 27.3	The supplier will be required to guarantee the goods supplied for a period of thirty six (36) months from the date of Commissioning and acceptance by the purchaser.
CC 27.5	Maximum response time shall be 24 hours from the time of formal information.

Invitation for Bids (IFB)

SRI LANKA RAILWAYS
PROCUREMENT FOR SUPPLY, INSTALLATION AND COMMISSIONING OF LEVEL CROSSING
MONITORING SYSTEM FOR 200 LOCATIONS

SRS/F. 8012

1. The Chairman, Department Procurement Committee (Major) on behalf of Sri Lanka Railways, Colombo will receive sealed bids from Local manufacturers/suppliers for the **Supply, Installation and Commissioning of Level Crossing Monitoring System for 200 Locations** to Sri Lanka Railways.
2. Bidding will be conducted through National Competitive Bidding (NCB) procedure.
3. Interested eligible bidders may obtain further information and inspect the Bidding Documents at the address given below from 9.00am to 3.00pm and inspect the bidding document at the address given below on working days from **20/06/2024** until **15/07/2024** from 9.00am to 3.00pm in week days.

Deputy General Manager (Procurement),
Railway Procurement Sub Department,
Olcott Mawatha, Colombo 10, Sri Lanka.
Telephone Nos. : 94 (11) 2438078 or 94(11) 2436818
Fax No. : 94(11) 2432044
Email : dgmp@railways.gov.lk , pot1@railway.gov.lk
Website : www.railway.gov.lk

4. The bidder should have fulfilling one or more of following qualification as at the bidding date and the bidder shall submit documentary evidence (performance certificates / purchase orders followed by evidence for successful completion) along with the offer.
 - a. Bidder has supplied level crossing protection system to Sri Lanka Railways (SLR) within last 15 years.
 - b. Bidder has supplied Electrical/Electronic system (Railway signaling systems/Loco management systems) to SLR in past 5 years at least to a contract value equal or higher than the quoted price for this.
 - c. Bidder has installation, commissioning and maintaining experience in SCADA systems for more than 5 years and has successfully carried out a similar (to the satisfaction of purchaser) project for a value not less than the quoted price within last 5 years.
5. A complete set of Bidding Documents in English Language may be purchased by interested bidders on the submission of a written application to the address of the Deputy General Manager (Procurement), Railway Procurement Sub Department, Olcott Mawatha, Colombo 10, Sri Lanka from **20/06/2024** to **15/07/2024** up to **3.00 p.m.** on payment of a non-refundable procurement fee of **Rs. 14,000/-** only
6. All bids must be accompanied by a Bid security. Amount of Bid security shall be Rs. **600,000/-** and shall be an unconditional guarantee issued by Bank operating in Sri Lanka and approved by the Central Bank of Sri Lanka.
7. Pre bid meeting shall be held on **02/07/2024** at **10.00 a.m.** at Chief Engineer (Signal & Telecommunication) office, Colombo 09.
8. Bids must be delivered to the address below on or before **2.00 p.m** on **16/07/2024** and the bids will be opened immediately after closing of the bids. Bidders or their authorized representatives are requested to be present at the opening of the bids. Late bids will not be accepted.

The Chairman,
Department Procurement Committee (Major),
Railway Procurement Sub Department,
Olcott Mawatha, Colombo 10.

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