



NATIONAL LIVESTOCK DEVELOPMENT BOARD

No.40, Nawala Road, Narahenpita, Colombo - 05.

Telephone No : 0112501701/ 2 Fax No: 0112502695/ 0112369315

Date: 02.05.2025

Quotation No: NLDB / 06/ 02

To:
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REQUEST FOR QUOTATION /PROPOSAL

Procurement of Computer based Software for Management and Technical Assistance Service for Coconut plantation in NLDB Farms

The National Livestock Development Board (NLDB) is a government organization which maintains 32 farms out of which coconut estates are also managed in 18 farms in different regions of the country. The head office is located at No.40, Nawala Road, Narahenpita, Colombo.05. The plantation monitoring and management system to be introduced using the Drone, Artificial Intelligence, GPS and other available technologies for efficient management. The board expects to monitor each and every palm closely, and plan management systems accordingly in order to optimize the production of these plantations. We are planning to purchase a program along with the technical support service for a period of five years starting from 2025.

We need to introduce a computer program to manage these plantations. This should include,

1. Identification of each palm by drone technology
2. Providing a GPS number for each tree which can be incorporated in to the physical numbers of trees
3. Evaluating the physical status, health status of trees using AI technology
4. Forecasting the yield in future based on current status
5. Making recommendations to improve conditions

Further the supplier should be able to provide the Technical assistance by a team of experts which includes;

1. Visiting the each plantation once a month
2. Interpretation of reports generated via the software to the management and making recommendations
3. Identification of physical and health status on monthly basis of each tree
4. Identification of reasons for health and physical status of trees and soil conditions
6. Supply, Installation & commissioning of coconut plantation evaluation and management system for NLDB farms.

Details of coconut estates to be covered in the project

- 18 estates
- 476,983 trees
- 4247 hectares (Ha)

No.	Farm Name	Province	Location	Number of trees	Extent (Ha)
1	Andigama	North Western	Dambadeniya	82413	405
2	Marandawila	North Western	Bingiriya	56588	677
3	Horakelley	North Western	Kudawewa	53384	345
4	Melsiripura	North Western	Melsiripura	47849	361
5	Koulwewa	North Western	Narammala	46606	360
6	Galpokuna	North Western	Udubaddawa	35015	294
7	Rukaththana	North Western	Bingiriya	33789	313
8	Siringapatha	North Western	Badalgama	30384	426
9	Beligama	North Western	Beligamuwa	21246	227
10	Narangalla	North Western	Narammala	19278	200
11	Mahaberiyaathenna	Central	Digana	11062	68
12	Polonthalawa	North Western	Anamaduwa	10346	154
13	Mawaththa	North Western	Dankotuwa	8815	97
14	Marawila	North Western	Marawila	7056	53
15	Martin	North Western	Chilaw	6848	159
16	Ridiyagama	Southern	Ambalanthota	3314	41
17	Miriswaththa	North Western	Horana	1558	10
18	Haragama	Central	Gurudeniya	1432	57
Total				476983	4247

Specifications for the Computer based program

Program should include;

1. Identification and GPS numbering of all coconut trees in all plantations by AI technology based software assisted by drone technology
2. Analysis of status of each tree on age, height, canopy condition, health status ...erc
3. Estimating harvest in the field
4. Forecasting harvest in future

The Expert team should be able to provide;

5. Recommendation for fertilizer or irrigation
6. Monthly monitoring same plantation by a drone with AI for current situation
7. Technical service for improving production based on finding
8. Visiting a technical team once a month for evaluation
9. Agreement for a year and annual renewal

01. The Specification schedule (Annexure 01) is attached and the bidder should fill the blanks and submit it along with the bid.
02. Price schedule Format (Annexure 02) is attached here with and the bidder may use the same format for bidding or may prepare an own schedule similar to the given format.

The quotation should be sent through registered post to reach the **Chairman – Procurement Committee, National Livestock Development Board (NLDB), P.O.Box 1748, No.40, Nawala Road, Narahenpita, Colombo 05**, or deposited in the quotation box available in this office not later than **10.30 am on 20 / 05 / 2025** The opening will be held at NLDB Head office on **20 / 05 / 2025** at the same venue immediately after the closing time. No late bids will be accepted.

Please indicate the **quotation number / name and the closing date** on the top left – hand corner of the envelope.

Terms & Conditions

01. The bidder or his/her authorized persons should duly sign in each specified documents (Specification & price schedule) and the official stamp should be placed. The date should be mentioned in the quotation.
02. Alterations in the bid documents are not accepted unless they are duly signed by the bidder. Whiting or erasing figures or words in the bid are not accepted and such alterations may lead to reject the bid.
03. **Validity** - This quotation should be valid for **the entire period of the bid covers**.
04. **Payment** - payment will be made by cheques by NLDB based on the payment terms agreed.
 - a. Monthly or annual payment as per the quotation. Monthly report along with the invoice should be provided to the respective farm for payments.
05. The Board reserves the right to reject in whole or part of any goods which do not comply with specifications and these goods shall be returned at the supplier's expenses.
06. Original Invoices with duplicates must be forwarded to the Supplies Manager, National Livestock Development Board soon/after dispatch the goods where must be mentioned the correct purchase order and dispatch advice number.
07. Selected bidders will be called for a presentation of their programs to a technical panel appointed by NLDB.

Other conditions

1. The bidder shall provide details of recent supplies of similar item / Services item to the NLDB or other institutes within the recent past.
2. Past experience of providing similar plantation management systems will be an added advantage when selecting a supplier.
3. Company profile should be provided with bid. It should include the profiles of experts to be provided for the technical support service
4. Other options which can be incorporated to the basic specifications can also be included
5. A bidder may provide several similar options if any, in separate bidding documents.

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K .G. J. S. Disnaka
GENERAL MANAGER
NATIONAL LIVESTOCK DEVELOPMENT BOARD

19.03.2025

Annexure 01

The Chairman,
Procurement Committee,
National Livestock Development Board,
No:40, Nawala Road,
Narahenpita
Colombo - 05

Specifications

I/we herewith agree to supply the following item/s under the given specifications.

Procurement of Computer based Software for Management and Technical Assistance Service for Coconut plantation

Specification	Agree / Disagree	Remarks / Other Option (Please Specify if any
Computer program		
Identification and GPS numbering of all coconut trees in all plantations by AI technology based software assisted by drone technology		
• AI-Powered Aerial image Analysis		
Analysis of status of each tree on age, height, canopy condition, health status ...erc		
• Tree- Level Monitoring		
Estimating harvest in the field		
Forecasting harvest in future		
• Monthly update Virtual maps		
Expert Technical support service		
Recommendation for fertilizer or irrigation		
Monthly monitoring same plantation by a drone with AI for current situation		
Technical service for improving production based on finding		
Visiting a technical team once a month for evaluation		
Agreement for five years and annual renewal basis		
Others (specify if any)		

We agree to as per the specifications indicated above

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Signature and seal of Supplier

Date:.....

Price schedule

(Fill the below table & necessary fields in this document)

Item No	Description	Extent (Ha)	Unit Price excluding taxes (Rs.) per (Ha)	Discount IF Any (Rs.)	VAT if applicable (Rs.)	SSCL if applicable (Rs)	Unit price with taxes (Rs.) per (Ha)	Total Value with taxes (Rs.)
01	Andigama	405						
02	Marandawila	677						
03	Horakelley	345						
04	Melsiripura	361						
05	Koulwewa	360						
06	Galpokuna	294						
07	Rukaththana	313						
08	Siringapatha	426						
09	Beligama	227						
10	Narangalla	200						
11	Mahaberiyathena	68						
12	Polonthalawa	154						
13	Mawaththa	97						
14	Marawila	53						
15	Martin	159						
16	Ridiyagama	41						
17	Miriswaththa	10						
18	Haragama	57						
	Grand Total							

- 1) The total price of our Bid **before government taxes**, including any discounts offered is:
In words:

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In figures:

- 2) The total price of our Bid **after taxes, and any discounts** offered is:
In words:

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In figures:

- 3) We undertake to supply the above item/s on terms stated overleaf.
4) We agree to complete for the supply within Days from the offer.
5) We agree to all the conditions in the document.

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Name of the Company

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Signature of the Bidder

.....
Date