



ARIAS SOCIETY

Assam Rural Infrastructure and Agricultural Services Society

(An Autonomous Body of the Govt. of Assam)

Project Coordination Unit (PCU) of the World Bank financed

Assam Agri-Business and Rural Transformation Project (APART)

Agriculture complex, Khanapara, G.S. Road, Guwahati-781022 (Assam, India)

Tel: +91 361-2332125; email: spd@arias.in; website: www.arias.in

**World Bank financed
Assam Agri-Business and Rural Transformation Project
(APART)**

[Project ID: P155617, IBRD Loan No. 8780-IN]

**Request for Quotation (RFQ)
for hiring of services for conducting Crop Cutting
Experiments (CCE) on pilot basis in different zones of
Assam**

RFQ No: ARIASS/APART/704/2019/84

Dated: 1st July, 2021

World Bank financed
Assam Agri-Business and Rural Transformation Project (APART)
Assam Rural Infrastructure and Agricultural Services (ARIAS) Society
(An Autonomous Body of the Government of Assam)
ARIAS Society, Agriculture Complex, Khanapara, G.S. Road, Guwahati-781022 (Assam)
Tel: 0361-2332125; website: www.arias.in; Email: spd@arias.in

Request for Quotation (RFQ)

RFQ No. ARIASS/APART/704/2019/84

Dated, Guwahati the 1st July, 2021.

Contract Title: Hiring of services for conducting Crop Cutting Experiments (CCEs) on pilot basis in different zones of Assam (i.e. Upper Assam, Lower Assam and Hills & Barak Valley).

Govt. of Assam through Govt. of India, has received a loan from the International Bank for Reconstruction and Development (IBRD) towards the cost of 'APART'. The State Project Director (SPD), ARIAS Society now invites sealed quotations from reputed and experienced agencies for 8 (eight) clusters covering the aforementioned non-consulting service contractual assignment under the project. Further details, along with Technical Specification, Terms & Conditions, etc. may be seen in the detailed RFQ Document available at the url- <http://www.arias.in/procurements.html>. Last date of submission of the Quotation is **02.00 PM of 7th July' 2021**. Information may also be obtained from the address given above during office hours.

Sd/-
State Project Director
ARIAS Society

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Tel: +91 361-2332125; email: spd@arias.in; website: www.arias.in

RFQ No: ARIASS/APART/704/2019/84-A

Dated Guwahati the 1st July, 2021**REQUEST FOR QUOTATION (RFQ)****Detailed Procurement Notice**

- Government of Assam, through Government of India, has received a loan from the International Bank for Reconstruction and Development (IBRD) [Project ID: P155617, IBRD Loan No. 8780-IN] towards the cost of Assam Agri-Business and Rural Transformation Project (APART) and it intends to apply part of the proceeds toward payments under the contract for “**Hiring of services for conducting Crop Cutting Experiments (CCE) on pilot basis in different zones of Assam**”. The crop cutting experiments shall be conducted for Sali season of 2021 in paddy only. The selected Agencies/private companies will conduct the CCEs under the **part supervision (10%)** of Directorate of Economics and Statistics (DES) with prior intimation by ADOs and **part supervision (90%)** by local Agriculture Development Officers (ADOs).
- Further details, along with Technical Specifications, Terms & Conditions, etc. may be seen in this detailed RFQ Document. Information may also be obtained from the address given below during office hours.
- The State Project Director (SPD), ARIAS Society now invites separate sealed quotations for the clusters mentioned below from eligible bidders for providing the aforementioned non-consulting service:

Sl.	Cluster	No of CCEs to be conducted per Cluster	Districts
1	Cluster-1	416	Kamrup Rural, Kokrajhar, Goalpara, Dima Hasao (N. C. Hills)
2	Cluster-2	496	Jorhat (Undivided), Golaghat, Nalbari, Karbi Anglong (Undivided)
3	Cluster-3	320	Barpeta, Karimganj, Sivasagar (Undivided)
4	Cluster-4	256	Bongaigaon, Sonitpur (Undivided), Dhemaji
5	Cluster-5	272	Dhubri (Undivided), Darrang, Hailakandi
6	Cluster-6	336	Udalguri, Tinsukia, Lakhimpur, Cachar
7	Cluster-7	320	Nagaon (Undivided), Chirang, Dibrugarh
8	Cluster-8	256	Kamrup Metro, Morigaon, Baksa

- The quotations shall be evaluated for each cluster separately. Bidders can either quote for one (1) cluster or multiple or for all the clusters. Bidders submitting quotations for multiple/all clusters must give cluster wise breakup of the quoted cost. **The Bidder which is lowest in a particular Cluster shall be considered for award of contract.**
- Quotation shall be submitted in a sealed envelope addressed to “The State Project Director, ARIAS Society, Agriculture Complex, Khanapara, G.S. Road, Guwahati-781022 (Assam)” on or before 02.00 PM (IST) on **7th July’2021** and shall be opened on the same day at 02.15 PM in presence of the bidders or their representatives who choose to attend at the office of the undersigned. If the office happens to be closed on the date of opening of the Quotations as specified, the Quotations will be opened on the next working day at the same time. The SPD, ARIAS Society shall not be held liable for any delay in the receipt of Quotations. A Bidder requiring any clarification may send a request by email or may visit the office of the implementing agency at the address given below.

State Project Director, ARIAS Society, Agriculture Complex, Khanapara, G.S. Road, Guwahati-781022 (Assam, India), email: spd@arias.in; website www.arias.in.

- The SPD, ARIAS Society reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract, without assigning any reason thereof and without thereby causing any liability to any of the bidder.

Sd/-
State Project Director
ARIAS Society

SECTION-I
**REQUEST FOR QUOTATIONS FOR HIRING OF SERVICES FOR CONDUCTING CROP CUTTING EXPERIMENTS (CCEs) ON
PILOT BASIS IN DIFFERENT ZONES OF ASSAM**

RFQ No: ARIAS/APART/704/2019/84

Date: 1st July 2021

Terms and Conditions

1. **Eligibility:** A Bidder (a) shall not submit more than one Quotation for each cluster; (b) shall not have conflict of interest as defined in the World Bank's Procurement Regulations; and (c) should not have been (i) temporarily suspended or debarred by the World Bank Group in compliance with the Bank's Anti-Corruption Guidelines and its Sanctions Framework; or (ii) blacklisted or suspended by Central or any State Government Departments in India.
2. **Clarifications:** A prospective bidder requiring any clarification may visit the office before the closing date and time of quotation submission to get clarifications on the quotation.
3. **Amendments or corrigendum to the RFQ document:** The bidders are advised to periodically browse the website- <http://www.arias.in/procurements.html>.
4. **Quotation Prices**
 - a) The contract shall be for the full quantity in each cluster as described above. Corrections, if any, shall be made by crossing out, initialing, dating and re-writing.
 - b) All duties, taxes (including GST) and other levies payable by the contractor under the contract shall be included in the total price.
 - c) The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
 - d) The Prices should be quoted in Indian Rupees only.
5. **Conformity of Service:** The Bidder shall furnish as part of the Technical Part of Quotation, documentary evidence that the service conform to the technical specifications and standards, as relevant for example catalogue, warranty/guarantee etc.
6. **Qualification Criteria:** to qualify for award of the contract, the bidder:-
 - a) Should be a professional agency registered under the applicable law of India; (*attach Agency Incorporation certificate*)
 - b) must not have been blacklisted by any Government/Ministry/Department/PSU, nor should they have been debarred from dealing with any public Department; (*Self-Declaration on Bidder's Letterhead as mentioned*)
 - c) must have been in the business at least since last 5 (five) years (2016-17, 2017-18, 2018-19, 2019-20 & 2020-21) (*Bidder's financial statements/Profit & Loss Statements for the last five years*)
 - d) Should have an annual average cash-flow of at least Rs 20 lakhs in each of the last three years (2018-19, 2019-20 & 2020-21) (*Bidder's financial statements/Profit & Loss Statements for the last three years*)
 - e) Should have experience of conducting agricultural field activities during last 3 (three) years (2018-19, 2019-20, 2020-21) for the purpose of crop insurance; (*Experience certificates from clients/companies*)
 - f) Must have sufficient, qualified, manpower, to accomplish the assignment successfully (at least one i. (Undertaking on bidder's letterhead with details of state representatives, total no. of personnel engaged with educational qualification and Experience **Note: The bidders shall provide the documentary evidences to substantiate their qualification against the above criteria. Any bidder/agency not fulfilling the criteria mentioned above will be straightaway declared as technically disqualified.**
7. **Validity of Quotation:** Quotation shall remain valid for a period not less than **45 (forty five)** days after the deadline date specified for submission.
8. **Signing of Quotations:** The name and position held by each person signing the quotation and related documents must be typed or printed below the signature.
9. **Quotation Submission:** Submission and Opening of Quotation:

- a) The RFQ document shall be signed by the bidder in all the pages with official seal.
 - b) Bidders shall ensure deposition of their Quotations in the tender box in the office of the SPD, ARIAS Society on or before 02.00PM of the due date.
 - c) Any quotation received after the dead line for submission shall be rejected & returned to the bidder.
 - d) **Opening of Quotation:** The quotations shall be opened in the presence of bidders or their authorized representative(s) who wish to be present at the time of opening of bids on due date. A bid evaluation committee shall be constituted for this purpose by ARIAS Society.
10. **Evaluation of Quotations:** The SPD, ARIAS Society will evaluate and compare the quotations determined to be substantially responsive i.e. which
- a) are properly signed ; and
 - b) conform to the terms & conditions, and technical specifications.
 - c) meets the Qualification Criteria
- The quotations shall be evaluated for each cluster separately. Bidders can either quote for one (1) Cluster or multiple or for all the Clusters. Bidders submitting quotations for multiple/all clusters must give cluster wise breakup of the quoted cost. The Bidder which is lowest in a particular Cluster shall be considered for award of contract.***
11. **Performance Security:**
- a) Within 5 days of receiving letter of acceptance, the successful bidder shall submit the Performance Security in the form of Bank Guarantee from any Nationalized or scheduled bank, drawn in favour of **“The State Project Director, ARIAS Society, Khanapara, Guwahati- 781022”** for an amount equivalent to 5% of the offered price.
 - b) The Performance Security furnished by the successful bidder will be retained by the SPD, ARIAS Society up to **45** days from the date completion of the work. Failure of the successful bidder to furnish Performance Security within the stipulated period shall constitute sufficient ground for annulment of award and the SPD, ARIAS Society may award the contract to the next lowest evaluated bidder.
12. **Award of contract:** SPD, ARIAS Society will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.
- a) Notwithstanding the above, the SPD, ARIAS Society reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.
 - b) The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
13. **Annulment of Award:** Failure of the successful bidder to comply with the requirement of the tender document shall constitute sufficient ground for the annulment of the award and forfeiture of the performance security in which event the SPD, ARIAS Society may make the award to any other bidder at the discretion of Purchaser or call for new bids.
14. **Payment Terms and conditions:**
- a) 40% payment of the quoted price shall be released on receipt of 50% CCE data.
 - b) 30% payment of the quoted price shall be released on receipt of 100% CCE data.
 - c) 30% after receipt of all data in soft and hard copies and quality checking of the data to the satisfaction of Directorate of Agriculture & DES.
 - d) Payments to the service provider would be strictly on the basis of successful number of CCEs conducted through CCE-Agri app & data would be uploaded on portal.

Note: Payment to the service provider would be strictly on certification by the officer (who has taken the services) that his services were satisfactory and covered the area as per the bill preferred by the service provider.

15. The service provider himself or their personnel shall not divulge or disclose to any person any details of office, operation process, technical know-how, security arrangements, Administrative/ organization matters as all are confidential/secret in nature. This will however not include information already available in public domain.
16. The service provider shall not assign, transfer, pledge or subcontract the performance or services without the prior consent of ARIAS Society
17. The Agency shall never use/store for later use/share/disclose CCE data collected or products developed from information collected under this project to any third party/ external agency.
18. Any legal dispute arising out of the above contract shall be settled in the jurisdiction of the High Court of Guwahati.
- 19. You are requested to provide your offer latest by 2.00 PM of 7th July'2021.**

SECTION-II

A. BACKGROUND:

1. The Government of Assam (GoA) through Government of India (GoI) has received a loan from the World Bank for implementation of the 'Assam Agribusiness and Rural Transformation Project (APART)'. The ARIAS Society is the apex coordinating & monitoring agency for APART. The project is being implemented by eight line departments of GoA including their Directorates/Agencies/Commissionerates. Agriculture is one of the line departments involved in APART.
2. The objective of APART is to "add value and improve resilience of selected agriculture value chains, focusing on smallholder farmers and agro-entrepreneurs in targeted districts of Assam". The project is adopting a clusters and value chain approach.
3. One of the ongoing Govt. of India schemes being implemented by Directorate of Agriculture is Pradhan Mantri Fasal Bima Yojana (PMFBY). Under the scheme, insurance companies have been engaged to insure the crops of farmers against various damages like flood, cyclone etc. The insurance premium is shared by the farmers as well as Govt (State and Central Govt 10:90 ratio). The claims are settled on the basis of Crop Cutting Experiments (CCEs). Currently the CCEs are conducted by the Directorate of Economics and Statistics (DES), GoA, to work out yield estimates of crops, following the National Sample survey Organization (NSSO) methodology. Crop insurance & other financial services is also an activity under sub-component C-3 of APART.
4. The CCE data from DES is also sourced by Directorate of Agriculture and provided to agricultural insurance companies, as mentioned above to settle the insurance claims filed by the farmers as a result of crop damage. However, it is felt that CCEs conducted by DES are inadequate for crop insurance purpose, which leads to lower settlements even though the premiums are paid optimally.
5. In view of the above, the GoA has decided that for the purpose of Agricultural Insurance, the conducting of CCEs will be out-sourced to private companies/Agencies on cluster basis on a pilot basis for Sali season of 2021 in paddy only. The selected private companies/ Agencies will conduct the CCEs under the **part supervision (10%)** of Directorate of Economics and Statistics (DES) with prior intimation by ADOs and **part supervision (90%)** by local Agriculture Development Officers (ADOs).
6. As crop insurance is also a focus area in APART, ARIAS Society intends to utilize a part of the loan to **hire services for conducting Crop Cutting Experiments (CCE) on pilot basis in different zones of Assam.**

B. SCOPE OF WORK:

7. **Pradhan Mantri Fasal Bima Yojana (PMFBY)** is a Yield based insurance scheme, where Crop Cutting Experiments (CCEs) are conducted for yield estimation. The insurance unit is the Revenue Circle (RC) for the notified Paddy crop. In each Revenue Circle (Blocks in case of Karbi Anglong and Dima Hasao), at least 16 CCEs are to be conducted for the yield estimation. The selected agencies shall conduct CCE across 27 undivided districts of Assam viz. Kamrup Rural, Kokrajhar, Goalpara, Dima Hasao (N. C. Hills), Jorhat (Undivided), Golaghat, Nalbari, Karbi Anglong (Undivided), Barpeta, Karimganj, Sivasagar (Undivided), Bongaigaon, Sonitpur (Undivided), Dhemaji, Dhubri (Undivided), Darrang, Hailakandi, Udalguri, Tinsukia Lakhimpur, Cachar, Nagaon (Undivided), Chirang, Dibrugarh, Kamrup Metro, Morigaon, Baksa. There are in total 167 Insurance Units (Revenue Circles in 25 undivided districts & Blocks are considered in case of Karbi Anglong and Dima Hasao as there are no Revenue Circles). So the number of CCEs to be carried out will be $167 \times 16 = 2672$ *. The CCEs will have to be conducted by the Agency as per GCES guidelines and/or as random/smart sampling techniques. The insurance wise number of CCEs to be conducted is given in table 1.

Table 1. Number of CCEs to be conducted

Level of Insurance Unit of CCEs	Minimum Sample Size
Revenue Circle/Block*	16

*Blocks in case of Karbi Anglong & Dima Hasao Districts

The successful bidder shall work as per scope of work of this tender. Any work/act outside the scope of work shall be sole responsibility of the bidder and ARIAS Society neither assumes responsibility for the same nor such act will bind ARIAS Society in any manner whatsoever. It is clarified that ARIAS Society may give the work order in respect of any and/or all services as mentioned in the scope, jointly or severally, without any restrictions and the successful bidder shall provide the services for such work allotted. *The yield estimates obtained from this exercises will not be applicable for calculating production estimates.*

C. CRITERIA FOR WORK:

8. The criteria for conducting the work are mentioned below:
 - i. The Agency shall carry out all the work required for conducting of CCEs at selected locations of the selected districts.
 - ii. Two Labourers & one trained technical manpower have to be present on field/location for conduct of every CCE.
 - iii. The Agency must use CCE-Agri App to upload the data on National Crop Insurance Portal (NCIP) Portal.
 - iv. The list of selected villages will be provided by DES.
 - v. At the revenue circle level conduct of CCEs will be monitored by the respective ADO. In 10% of the experiments, representative of DES will remain present

The additional criteria for conducting CCEs are given below:

Conducting Crop Cutting Experiment-

9. For each Crop Cutting Experiment (CCE), a randomly selected village & randomly selected survey/sub-survey numbers will be given by **Directorate of Economics and Statistics**.
10. **Directorate of Economics and Statistics (DES)** will provide instructions/guidelines for conducting CCEs to the successful bidder agency/agencies and also provide training for conducting CCEs before start of the CCEs.
11. The smart sampling/Remote sensing (ground truthing) methods can also be used for selection of CCEs fields, as per Government of India directions.
12. The following activities need to be ensured by the agency before conducting CCE
 - All the charges to conduct the CCE will be borne by the Agency.
 - CCEs are conducted through CCE-Agri app & data will be uploaded on NCIP.
 - The CCE locations/fields are exactly as per the random sampling locations
 - The plots within the field are selected randomly, following the procedure given by **DES**.
 - The CCEs conducting personnel has to be properly trained and should have experience of conducting CCEs
 - The CCE kit (Ropes/30 mtr, chain, Pegs, gunny bags, Hessian Cloth, Measuring Tape at least 30 m long Digital Weighing Machine/Spring balance (with weight charge of 5kg, 2kg, 1kg, 500gm, 100gm, 50gm), drier box, should be available with the agency officials.
 - CCE form as per Annexure II, latest format to be provided to successful agency by DES.
 - Compensation has to be given to farmers Rs. 100 per CCE on the day conducting the CCE.
 - The agency official should have the Smartphone (with internet facility) pre-loaded with CCE Agri App.
 - The farmer and the local government official/observer shall be available for signing the CCE form.
 - Smart Sampling technique for finalizing CCE locations may be used.
 - The selected field should be sole-cropped (no mixed cropping or inter cropping) with paddy.
 - The CCE should be conducted in the field, which is ready for harvest.
 - The CCE data will be collected through Smartphone as per the given format using the Android App (provided by the GOI). It should be checked that the GPS accuracy is upto 10 m or smaller. All parameters of the App should be filled. The smart phone should have Navigation App, for showing GPS reading and North Direction and to find the location of the CCE.
 - Each CCE information should come along with latitude - longitude and 2 photographs (of crop cutting and grain weighing)
 - Additionally, 2 photographs i) of the field and ii) of the CCE plot (taken in such a way that the plot is clearly visible) should also be provided by the Agency.
 - If CCEs is done as per selection of remote sensing the location map of the CCE site (overlaid on the Google image with road network) should also be provided by the Agency.
 - The accuracy of Biomass weighing should be 2 decimal places in kg and grain yield in 3 decimal places
 - The Biomass and Grain yield should be weighed using high precision digital balance.

- Apart from the information coming through smart phones, the hardcopy form (Annexure II) to be filled up and signed by the Observer, farmer and a local official not related to above two, along with their name and phone numbers to be provided to ARIAS Society/ DES/ Directorate of Agriculture.
- **Driage Experiment:** After weighing the harvested crop of the experimental plot, immediately the Field Assistant is to keep separately 1 kg in a gunny bag for conducting driage experiment from the sample villages selected for the driage experiments. Driage experiment methodology will be as per DES/NSO. The driage ratio will be worked out on district basis for 15% of the experiments as per DES/NSO methodology and the villages will be selected from the list of villages where CCEs have been conducted. In case the Revenue Circle is not mapped in the CCE Agri App, the calculation of final weight may be alternatively done manually as per prescribed methodology.
- The Grain moisture percentage should be obtained using portable grain moisture meter.
- The online (Android App) data should be sent real-time or maximum within 1 day of CCE conducted and the hardcopies (scanned copies) should be delivered within 5 days of conducting CCE to the respective ADO or any other officer authorized by the Directorate of Agriculture/ ARIAS Society.
- In case of any deviation from standard CCE procedure, it must be reported to the concerned authority and prior approval obtained.
- Agency should ensure compliance with prescribed procedure for conduct of all CCEs.
- Any deviation from CCE location or the standard CCE procedure, will not only make the CCE liable for rejection, but also will attract penal action, as decided by State Government/Agriculture Deptt. /ARIAS Society.

D. TECHNICAL SPECIFICATIONS OF THE BID DOCUMENT:-

16. **CCEs Requirement:** Requirements as specified in the **Section C** are to be used for conducting Crop Cutting Experiments (CCEs).
17. **Certification:** The bidder should provide certificates of the past experience of conducting similar kind of activities.
18. **Documentation:** The bidder should provide detailed manuals/data and technical specifications, charts/tables with respect to the CCEs and any other necessary software and documents.
19. **Earlier Experiment:** The bidder should provide information on set of earlier experiments conducted using remote sensing data or other technology, if any. The bidder should provide details of data collected using similar observation system, as offered in the Tender.

E. SPECIFIC TERMS & CONDITIONS

20. All the data collected (raw and processed) in the entire experiment will be the sole property of Directorate of Agriculture/ARIAS Society.
21. The Agency will not have any right on the CCE data. The data should not be used by the Agency and should not be shared or disclosed with any outside personnel other than the designated official of Directorate of Agriculture/ Directorate of Economics and Statistics/ARIAS Society. The Agency has to sign a Non-Disclosure Agreement (NDA) with ARIAS Society; in respect of CCE data and any derived product from the CCE data.
22. The agency conducting CCEs will have to provide comprehensive insurance against accident/ damage/ disaster that may ensue during the period of observation. Insurance should be covering all usual risks to their manpower, equipment/s, if any, during conduct of CCEs.
23. All the agencies shall also strive to get the farmers registered/ enrolled under the scheme.

SECTION-III
FORMAT OF QUOTATION

(This form shall be submitted only using in official letterhead of the Bidder).

Bidder's Reference: No..... Dated.....

To,

**The State Project Director
Assam Rural Infrastructure and Agricultural Services (ARIAS) Society
Agriculture Complex, Khanapara, Guwahati- 781022.**

Sub: Quotation against RFQ for "Hiring of services for conducting Crop Cutting Experiments (CCE) on pilot basis in different zones of Assam".

Ref. RFQ No.: ARIAS/ ARIAS/704/2019/84 dated 1st July, 2021

Sir,

1. We, the undersigned, hereby submit our Quotation:
2. In submitting our Quotation, we make the following declarations:
 - (a) **No reservations:** We have examined and have no reservations to the RFQ document;
 - (b) **Conformity:** We offer to provide service in conformity with the RFQ document and in accordance with the specifications provided in the RFQ document;
 - (c) **Quotation Validity Period:** Our Quotation shall be valid for the period of 45 days, from the deadline fixed for the Quotation submission;
 - (d) **Fraud and Corruption:** We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in any type of corrupt, fraudulent, collusive, coercive, or obstructive practices, and we will strictly observe all the laws against fraud and corruption in force in India including the "Prevention of Corruption Act 1988."
 - (e) I/We have read and understood the detailed terms & conditions mentioned in the quotation and shall abide by it in case being invited for the award of contract.
 - (f) It is hereby declared that particulars furnished herewith are true and correct as per my/our knowledge and belief. In the event of any particulars being found false, I/we shall be liable to such consequences/lawful actions as the SPD, ARIAS Society wishes to take.

Cluster	Quantity	Cost of conducting CCE (inclusive of trained technical manpower, Labour charges for conduct of CCEs, uploading cost, threshing, all other charges)	Cost excluding GST (In Rs)	GST (In Rs)	Total Cost inclusive of GST (In Rs.)
Cluster -1	416				
Cluster -2	496				
Cluster -3	320				
Cluster -4	256				
Cluster -5	272				
Cluster -6	336				
Cluster -7	320				
Cluster -8	256				

Note 1: The quotations shall be evaluated for each cluster separately. Bidders can either quote for one (1) Cluster or multiple or for all the Clusters. Bidders submitting quotations for multiple/all clusters must give cluster wise breakup of the quoted cost. The Bidder which is lowest in a particular Cluster shall be considered for award of contract.

Note 2: The lowest evaluated responsive bidder shall be decided on the total amount quoted exclusive of GST and other taxes as applicable.

Yours faithfully,

(Authorized Signature)

Name & Title of Signatory _____

In the capacity of *[insert legal capacity of person signing the Letter of Quotation]*

Name of Bidder _____

Telephone no. _____ email id _____

Address _____

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

List of Crops

CCEs will be conducted for below mentioned crop

1. Paddy-Sali

Form for Crop Cutting Experiment (CCE)

Season:
District:
Goan Panchayat:
Village:
Name of the Observer:
Phn No.:
Name of Organization

Year:
Block
Revenue Circle:

Sl.	Head	Experiment
1	Khasra No. /survey no./Khata no. of selected plot	
	Was cadastral Number rejected (Yes/No)	
	If Yes, selected Cadastral Number	
	Date of Sowing (Early/Normal/late)	
	Date of harvest	
2	Name of farmer	
	Category of farmer (Gen/SC/ST)	
	Size of Operational Holding (small/marginal/other)	
3	Shape of CCE Plot	Square
	Total area of the selected field	
	Field Dimension	
	Plot Size (sq m)	5mX5m
4	Seed Variety (Local/High Yield/Hybrid)	
5	Field Irrigated/Un-irrigated	
6	Stress on Crop (water/nutrient/disease)	
7	If Fertilizer used: specify the name organic/chemical/both/none	
	Quantity used	
	Pesticides/insecticides (Yes/No)	
8	Crop health/condition (Poor/Average/Good)	
9	Weight of Biomass (Including Grain) in Gram/kg	
10	Moisture % (if Driage is not used)	
11	Biomass Moisture content (% , approximate)	
12	Weight of Grain (in Gram/kg)	

1. Result of Driage

Sl.	Weight of Produce	Experiment
1	Weight of un-dried grain/un-dried cobs/other taken for driage experiments	
2	Date of taking dry weight	
3	Weight of the dried produce	
4	Grain Moisture Content (% , approximate)	
5	Thousand seed weight (Grams)	

Photograph of the field showing the experimental plot

1	From SW corner of the filed	
2	From top 1 m position of the plot before	
3	At the time of weighing showing the balance reading	
4	Form of the crop cutting experiment	

Remarks of the inspecting officer with special reference to the condition of the crop in the field and in the village

Name	Designation	Date of Visit	Remarks

Form-1

GOVERNMENT OF ASSAM
DIRECTORATE OF ECONOMICS AND STATISTICS, ASSAM, GUWAHATI
Crop Estimation Survey on Autumn Paddy / Sali Paddy (Winter Paddy)/Summer Paddy / Wheat
for 201... 201...

FORM -I Particulars the selected village and selected field

<p>A. Identification Particulars of Village</p> <ol style="list-style-type: none"> 1. District: 2. Sub-division: 3. Revenue Circle: 4. Development Block: 5. Gaon Panchayat: 6. Village: 7. Distance of the village from <ol style="list-style-type: none"> i. Block H/Q: ii. Nearest Bus Stop: 	<p>B. Investigation Particulars</p> <ol style="list-style-type: none"> 1. Name of the Field worker: 2. Date of first visit to the village: 3. Does the Mandal accompany: 4. Whether Supervising Officer present: (Yes/No) 5. Are the Chitha and village map available: (Yes/No) 6. Date fixed for harvesting: 7. Whether harvesting intimation card supplied: (Yes/No) 8. Name of crops grown in the village covered by GCES: <table border="1" style="width: 100%; height: 15px; margin-top: 5px;"> <tr> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> <td style="width: 12.5%;"></td> </tr> </table> 										
<p style="text-align: center;">C. Particulars of Selected Village</p> <ol style="list-style-type: none"> 1. Area under Autumn/Sali Paddy (Winter Paddy)/Summer Paddy/ Wheat (a) Irrigated: Hectares (b) Un- irrigated:..... Hectares (c) Total: Hectares 2. Highest Serial Number of the Dag in the Village: 3. Date of commencement of harvesting in the village: 											
D. Selection of Dag Numbers		Experiment-I	Experiment-II								
1. Random numbers assigned for selection of dag number											
2. Reminders on division by the highest dag number											
3. Mention the deg numbers rejected because: (i) Dag is not sown with the crop (ii) The crop was already harvested (iii) The dag did not contain any daura of required size (iv) Others (State the reason)											
4. Dag numbers finally selected for experiment											
5. Particulars of selected dag (a) Area under Paddy/Wheat (in hectares)	(i) Pure sown (ii) Mixed sown (Gross area)										
5. (b) In case of mixed sowing state number of fields under the major mixtures	(i) (ii) (iii)										
5(b-1). Gross area under the major mixtures	(i) (ii) (iii)										
5(b-2) Proportion of area under the component crops	(i) (ii) (iii)										
5(b-3) State the method of estimating area under the component crops											

6 (i) Name of the Farmer with Father's Name			
6 (ii) Address of the Farmer			
7. Number of bunded fields	(i) Pure sowing (ii) Mixed sowing		
8. Whether selected dag is covered under NFSM (Yes/No)			
E. Particulars of selected fields			
1. (a) Whether the crop was sown/ planted 1 st / 2 nd time in the same season			
1. (b) If second time the reason thereof			
2. Whether the selected field is sown with ...paddy as a single crop or mixed with other crops			
3. If it is a mixed sown field, state name(s) of other component Crop(s) and the proportion of area under the different component crops.			
4. Name of the last crop/ crops grown and month and year of its harvesting			
5. Length of the selected field (in steps)			
6. Breadth of the selected field (in steps)			
7. Average width of bunds in the selected field			
8. Irrigated or un-irrigated, if irrigated (i) The source of irrigation (ii) No. of irrigated field (iii) Whether irrigation was as a result of development activities			
9. If manured during the current season, the quantity applied in kg per hectare	(i) Compost (ii) Farm - yard manure (iii) Fertilizer (name) (iv) Green manure (v) Others (specify)		
10. Seed sown (whether local/ HYV), if HYV (i) The name (ii) Source of availability (iii) Seed rate Kg/hect			
11. Method of sowing (transplanted or broadcasts)			
12. (a) Type of Soil (clay, loamy, sandy)			
12. (b) Level of Soil (High, Medium, Low)			
13. Mention whether any improved method of cultivation and crop protection was adopted: Yes/No	(i) Japanese method of cultivation (ii) Use of improved plough (iii) Use of other improved Agricultural implements (iv) Use of insecticides /pesticides.		

14. Remarks, if the crop in the selected fields suffered damaged by-	(i) Disease (ii) Insect pests (iii) Weed infestation (iv) Animals, birds, etc. (v) Abnormal weather (vi) Flood (vii) Others (Specify)		
15. Remarks, if the crop is not sown in the selected field			
<p style="text-align: center;">Desk scrutiny</p> <p>Date of scrutiny:.....</p> <p>Date of dispatch :.....</p> <p>Signature of the Scrutiniser Designation:</p> <p>Signature of the DDES/SDSO:</p>	<p style="text-align: center;">Field supervision</p> <p>General comment on the quality of field work</p> <p>Signature of Supervisory Officer Designation:..... Date</p>	<p>Date of submission to DDES/SDSO:.....</p> <p>Signature of FA/AEA Date:.....</p>	

N.B: Prepare Two Copies and submit to the DDES/SDSO, who will forward One Copy the Director of Economics and Statistics, Assam after proper scrutiny.

Form-2

**GOVERNMENT OF ASSAM
DIRECTORATE OF ECONOMICS AND STATISTICS, ASSAM, GUWAHATI**

Crop Estimation Survey on Autumn Paddy/Sali Paddy (Winter Paddy)/Summer Paddy/ Wheat for 20..... 20...

FORM-II Details of harvesting experiment

District..... Sub-division.....Revenue Circle.....

Development Block..... Gaon Panchayat.....

Village..... Name of Field Worker.....

Whether any Supervising Officer was present? (Yes/No)

1. Dag Number finally selected	Expt.-I		Expt.-II	
2. Length and Breadth of the selected field in steps	Length (L)	Breadth (B)	Length (L)	Breadth (B)
3. Length-7 and Breadth -7 in steps	L-7	B-7	L7	B-7
4. Column of random number used for selection of random numbers for location plot- (i) One digit (i) Two digits (ii) Three digits				
5. Random numbers selected for length and breadth				
6. Pair of numbers rejected and reason thereof				
7. Whether crops of the selected field were grown 1 st /2 nd time in the season. If 2 nd time, reason thereof				
8. Actual date of harvesting				
9. Date of threshing if different from harvesting				
10 Weight of paddy/ wheat of the experimental plot				
11. Date of cultivator harvest any part of the selected field earlier? If so, did it affect the position of the experimental plot?				
12. Reason, if the yield from the experimental plot is distinctly differ from the rest of the field				
13. Was the selected field affected adversely by weather, insect, pests etc subsequent of the dispatch of form?				

14. In respect of the villages selected for driage experiment State: (i) Whether the bags were sealed properly (ii) Where the bags were kept		
Scrutiny Date of scrutiny..... Date of dispatch Signature of the Scrutinizer Designation.....	Field Supervisor General comments on the quality of field work	
Signature of the DDES/SDSO Date.....	Signature of Supervisory Officer Designation..... Date:.....	Date of submission to DDES/SDSO..... Signature of FA/AEA Date:.....

Signature of Scrutinizer Designation..... Signature of the DDES/SDSO	Signature of Supervisory officer Designation..... Date.....	Date of submission to DDES/SDSO..... Signature of FA/AEA Date.....
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