

# **REQUEST FOR PROPOSAL (RFP)**

**for**

## **Hiring Field Investigators (FIs) for Horticulture Survey**

**under the project**

**Study to test the developed alternative methodology for estimation of area and  
production of horticultural crops: IASRI Component of CHAMAN Programme  
under MIDH**

**(Funded by Department of Agriculture and Cooperation, Ministry of Agriculture, Govt. of India)**



**I.C.A.R.-INDIAN AGRICULTURAL STATISTICS RESEARCH INSTITUTE  
Library Avenue, Pusa, New Delhi-110012  
2015**

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## 1.0 INTRODUCTION

Horticulture sector has emerged as an important component of the Indian economy. This sector of agriculture contributes to more than one-fourth share in the economy of agriculture and allied sectors. Fruits and vegetables account for nearly 90% of total horticulture production in the country. Although, India has emerged as a leading producer of these crops in the world, the reliable, adequate and timely estimates of the area and the production of these crops are not available from any source. Therefore, there is a strong need for accurate and timely database of horticulture crops being grown in the country.

In order to evaluate the role of modern technologies, such as remote sensing and GIS and advanced surveying methods, the Department of Agriculture & Cooperation (DAC), Ministry of Agriculture, Govt. of India has approved a project called **CHAMAN** (Coordinated programme on Horticulture Assessment and MAnagement using geoiNformatics). The programme has two components, Remote sensing & GIS based methods and Field Survey based methods. Mahalanobis National Crop Forecast Centre (MNCFC) of Department of Agriculture & Cooperation and Indian Agricultural Statistics Research Institute (IASRI), New Delhi have been identified as National Level Agencies under Mission for Integrated Development of Horticulture (MIDH) for implementing these two components, respectively.

The CHAMAN project was launched by Secretary (A&C) on 16<sup>th</sup> September, 2014 in a National Workshop held at NASC Complex, New Delhi. Under CHAMAN, the IASRI will be responsible for the Survey component of the project entitled "Study to test the developed alternative methodology for estimation of area and production of horticultural crops". The IASRI has already developed an alternative sampling methodology for estimation of area and production of horticultural crops which is cost effective, less time consuming and involves simplified survey procedures with much smaller sample size.

Under IASRI component of the CHAMAN project, it is proposed to test the developed alternative sampling methodology for estimation of area and production of horticultural crops in six states namely, Maharashtra and Himachal Pradesh, Andhra Pradesh, Karnataka, Tamil Nadu and Gujarat. The activities of the project will be carried out jointly with the respective State Governments. Also, validation of estimates of area under important fruits and vegetables using Remote sensing techniques will be done and an attempt will be made to explore the possibility of utilizing Personal Digital Assistant (PDAs)/Tabs for collection/uploading of data on pilot basis.

The main purpose of this Request for Proposal (RFP) is to identify a Service Provider (SP) who will provide Field Investigators (FI) for primary data collection in the State under this study. In addition to providing all the details as per this RFP, the Service Providers are mandatorily required to fill up the compliance table (Techno-Commercial aspects) as per State Govt. norms. Any offer, which does not include the compliance table, is liable to be rejected. The Offers containing false information will be summarily rejected. Quotations are invited from experienced Service Providers, who can provide efficient and effective Field Investigators of the highest standards. The Service Provider is mandatorily required to submit his Technical bid and Price bid as per State Govt. specified norms.

## **2.0 SCOPE**

The scope of this Contract is restricted only to outsourcing/hiring of Field Investigators (FIs) in the concerned State under study. The following definitions apply for these FI Services work:

**2.1 Service Provider (SP):** The Vendor or Contractor selected to provide FI Services. Well qualified, properly trained, skilled and suitable personnel shall be provided by the SP.

**2.2 Field Investigator (FI):** Field Investigator (FI) is the one who has to provide Primary Data Collection Services in various selected villages for the Survey work.

**2.3 FIs Monthly Salary:** IASRI has worked out an amount of Rs. 12000 as monthly salary of an FI which is approved by funding agency.

**2.4 Number of FIs Required and Data Collection Cost:** The norms used for working out data collection and numbers of FIs required for data collection in the selected districts of the State

are as under:

**(a) Data collection cost for one district:**

**(i) Manpower requirement:**

Number of villages to be selected in a district = 80

Number of farmers and orchard owners to be selected in a village =  $10+5 = 15$

Number of working days required for survey in one village = 2

Number of working days in a month = Approx. 24

Number of villages to be covered by one enumerator in a month = 12

Frequency of data collection = once in a month

Number of enumerators required =  $80/12 = 6.67$  i.e. Approx. 7

**(ii) Emoluments:**

Per month amount to be paid to one enumerator = Rs. 12000/- {Rs. 10000/- (salary) + Rs. 2000/- (Fixed TA)}

Number of months = 3 (complete enumeration) + 12 (detailed survey) = 15

Total amount to be paid to one enumerator =  $15 \times 12000 = \text{Rs. } 180000/-$

Amount for 7 enumerators =  $180000 \times 7 = \text{Rs. } 12,60,000/-$

**Total cost = Rs. 12, 60,000/- = Rs. 12.60 lakh**

**(b) Number of FIs required and data collection cost for 6 identified states proposed for the study:**

**(i) Maharashtra:**

Number of districts to be selected = 6

**Number of FIs required =  $6 \times 7 = 42$**

Total cost for data collection in the State =  $6 \times 12.60 = \text{Rs. } 75.60 \text{ lakh}$

**(ii) Andhra Pradesh:**

Number of districts to be selected = 5

**Number of FIs required = 5 x 7 = 35**

Total cost for data collection in the State = 5 x 12.60 = **Rs. 63.00 lakh**

(iii) *Karnataka:*

Number of districts to be selected = 6

**Number of FIs required = 6 x 7 = 42**

Total cost for data collection in the State = 6 x 12.60 = **Rs. 75.60 lakh**

(iv) *Tamil Nadu:*

Number of districts to be selected = 6

**Number of FIs required = 6 x 7 = 42**

Total cost for data collection in the State = 6 x 12.60 = **Rs. 75.60 lakh**

(v) *Gujarat:*

Number of districts to be selected = 6

**Number of FIs required = 6 x 7 = 42**

Total cost for data collection in the State = 6 x 12.60 = **Rs. 75.60 lakh**

(vi) *Himachal Pradesh:*

Number of districts to be selected = 4

**Number of FIs required = 4 x 7 = 28**

Total cost for data collection in the State = 4 x 12.60 = **Rs. 50.40 lakh**

**2.5 FI Working Hours:** FI will be required to work during normal Office hours starting for all working days of a month. In exigencies and whenever required, the deployed FI are required to work beyond Office hours and on Holidays. In case of absence of an FI during these working days, there shall be a pro-rata reduction for each day of absence out of their monthly emoluments detailed at para 2.3 above.

**2.6 Continuous Services and Replacement:** Service Provider has to ensure that the FI services

are provided efficiently without any break/disruption. The Service Provider shall ensure supply of FIs without discontinuity during the period of service contract for executing the contract in its totality. In case the service provider is unable to provide substitute FI's of similar expertise, pro-rata amount will be deducted for each day of absence.

**2.7 Reports to concerned States:** Service Provider will be required to provide consolidated reports on these services to the Nodal Officer in the State from time to time.

## **2.8 Qualifications & Experience of FI:**

**2.8.1 Total FIs deployment:** Service Provider will deploy the required number of qualified Personnel to meet the contractual obligation for smooth running of FI Services.

**2.8.2 Requisite qualifications of FI:** FI should have following essential and desirable qualifications:

### **Essential Qualifications:**

Agriculture Graduate / Diploma in Agriculture/ Graduate with experience in Agriculture

### **Desirable Qualifications:**

- (i) Experience in data collection work in the field of agriculture
- (ii) Computer knowledge including working on Tablets/Laptops etc.

**2.8.3 Selection Criteria for FI:** After initial screening and short-listing at the Service Provider's level, the Service Provider will conduct a personal interview of FI. The decision of the State officials will be final and binding on Service Provider.

## **3.0 TOTAL FI SERVICES WORKLOAD (Responsibilities of FI)**

3.1 FIs have to perform their duties on all working days in a month (nominal 26 days per calendar month).

3.2 FIs may be required to work on Sundays and public holidays, if required.

3.3 FIs have to collect data in the selected districts of the State using the schedules designed for the Survey work i.e. using Paper Assisted Personal Interviewing (PAPI). In Addition to this, FIs have to collect data in one of the selected districts of the State using the Tabs i.e. using customised Computer Assisted Personal Interviewing (CAPI) software.



3.4 Service Provider is required to submit a clear and unambiguous undertaking that funding agency approved amount will be paid to FI on monthly basis.

3.5 Quotations are invited for a tenure of fifteen (15) months from the date of contract.

3.6 State reserves the right to split the workload and enter into FI Service Contracts with more than one Service Provider under this RFP.

#### **4.0 SELECTION CRITERIA FOR FI SERVICE PROVIDERS**

**4.1 Company Registration:** Service Provider must be an Established company registered under Indian Company Act-1956, in existence for a minimum of 3 years on the date of issue of this tender, with necessary experience in providing such FIs/conducting survey work. (Attach relevant documents)

#### **4.2 Experience and Taxation:**

**Experience:** Service Provider should have experience in the field of primary data collection for last three (3) years.

**Taxation:** Service Provider should have filed Income Tax returns of last three (3) years and should provide PAN and Audited Financial statements or such other relevant documents as proof.

SP should attach relevant documents with technical bid.

**4.3 ISO Certification:** Service Provider shall attach Certification from reputed user agencies, ISO/High-level quality service certification in the relevant area, if available.

**4.4 Deployment strategy:** Service Provider should clearly indicate in the technical bid, the proposed FI deployment strategy with respect to current & new requirements and mechanism to ensure minimum level of absenteeism.

**4.5 Company Credentials:** Service Provider is required to enclose the following necessary documents along with technical bid to substantiate the above Service Provider selection criteria, failing which technical bid will not be considered or evaluated:

4.5.1 Latest Copy of Registration of the firm of the contractor as Service provider indicating Registration No., date and its validity.

4.5.2 Income-Tax PAN No, and Service Tax No.

4.5.3 Copy of ESI Registration Certificate including ESI Registration Number (ESI Code Number)

4.5.4 Copy of employer's EPF Code No. and certificate if any issued by EPF authorities, and returns submitted to the EPF authorities

4.5.5 Solvency Certificate from a Scheduled bank

**4.6 Non Black-listed Company:** Service Provider's Company/firm should not have been banned or black-listed by any agency including Government/ Public Sector / Financial Institutions / Court.

**4.7 State team's visit to Company:** If required State Officers may visit the Service Provider's premises for verification of information related to work orders/space/manpower etc. and other infrastructure facilities claimed. The technical bid of Service Provider, who is not able to substantiate/satisfy the technical requirements laid down in this RFP, is liable to be rejected.

**4.8 Reservation of right in awarding Contract:** Nodal Officer in the State reserves the right to accept or reject any offer fully or partly without assigning any reasons.

## **5.0 CONTRACT MANAGEMENT (RESPONSIBILITIES OF THE SERVICE PROVIDER)**

5.1 Service Provider will ensure that all the candidates deployed for data collection are bonafide employees of the Service Provider having valid vendor's Identification card with photograph. The Service Provider can-not subcontract this work to any other entity or agency.

5.2 Service Provider is required to obtain the Police Verification of the deployed candidates at his own expenses and submit the same to Nodal Officer in the State. Service provider has to ensure that candidates should be Indian National only.

5.3 Service Provider will deploy the FIs to carry out the work within 15 days of the award of contract after fulfilling other terms and conditions like police verification etc.

- 5.4 Service Provider will maintain a register for the work carried out by the FIs for each completed month.
- 5.5 Service Provider will ensure that the FIs deployed in the State are available for the respective survey work for the total duration of the contract and frequent changes of the personnel to be avoided. In unavoidable situations, the Service Provider has to inform State in advance (minimum one month) regarding replacement of FI.
- 5.6 There should not be any break in FI Services provided due to absence of any personnel for a prolonged (not more than 15 days) period. The Service Provider has to ensure suitable replacement with stipulated qualification, experience and expertise at the earliest and within 7 days for the same.
- 5.7 Service Provider shall be responsible for the good conduct of the personnel employed by him. The Service Provider will be responsible for and liable to pay compensation for any damage or loss to the property of State/IASRI as a result of negligence / carelessness of any of his employees. This amount shall be recovered from the payment due to the Service Provider.
- 5.8 State Authorities will not be responsible for any contingency arising out of the deployment of the Service Provider's personnel. The Service Provider will be responsible for the safety of the deployed FI. State Authorities shall not be responsible for any accident/injury/loss of life of Service Provider's FI due to natural calamities, accidents etc. The Service Provider shall submit an Indemnity Bond, indemnifying State from any claims that may be filed by the staff deployed

## **6.0 GENERAL TERMS AND CONDITIONS**

- 6.1 Security norms for handling IASRI material/equipment:** As regards the security of handling of material/equipment (like PDAs/Tabs., GPSs etc.) or schedules and any other data/ files at the system site, the arrangement will be worked out by Nodal Officer in the State. The FI of Service Provider will strictly follow the procedures so worked out.
- 6.2 Right to disqualify FI:** Nodal Officer in the State reserves right to disqualify any of the Service Provider's FI deployed for various reasons like technical incompetence, indiscipline, irregularity, insincerity, disobedience, doubtful credentials/ integrity etc.

**6.3 No obligation on State Authorities/IASRI for permanent employment:** Under no circumstances shall the FI deployed by Service Provider claim any right of employment, regular or otherwise, at State Authorities/IASRI during and after the end of the contract period. The scope of this Contract is restricted only to outsourcing of FI services.

**6.4 General terms & conditions:** All other standard commercial terms and conditions of State Government for a tender of similar nature, shall also be applicable.

**6.5 General undertaking:** Service Provider has to give an undertaking that he agrees to all terms & conditions enunciated in the RFP.

## **7.0 ARBITRATION IN CASE OF DIFFERENCES OF OPINION**

Any disputes that arise during the execution of contract will be mutually discussed and settled between State Nodal Officer (Contract-In-Charge) and Service Provider. Any dispute that remains unresolved thereafter will be referred to a one man Arbitrator, appointed by State Govt./ IASRI, New Delhi in accordance with Arbitration & Conciliation Act 1996 as amended, whose decision shall be final and binding on both the parties.

## **8.0 DURATION OF CONTRACT**

**8.1 Period of Contract and scope for extension:** The contract will be for fifteen (15) months duration.

**8.2 Performance Review of FIs:** The performance of FI Services will be reviewed for initial three months. Depending upon the performance assessment, FI contract will be continued for the remaining period. In any case, Nodal Officer in the State reserves the right to decide the contract period at the time of award of contract.

## **9.0 MONITORING AND TERMINATION OF CONTRACT**

**9.1 Periodic reviews by State Authorities/IASRI:** State Authorities/IASRI shall carry out periodic reviews of the progress of the work at various stages i.e. supervision of primary data collection at regular interval, scrutiny of filled-in schedules etc. during the contract duration. The Service Provider is required to provide all necessary information and cooperation, as and when solicited by State Authorities/IASRI or the officer identified for this purpose.

**9.2 Contract termination and reduction of scope of services:** Nodal Officer in the State

reserves the right to terminate the Contract or reduce the scope and number of deployed FIs any time within the Contract duration at short notice, if the Service Provider fails to provide satisfactory quality FI Services or fails to comply with any of the clauses mentioned above and laid down in the contract.

## **10.0 PAYMENT TERMS AND CONDITIONS**

**10.1 Submission of Bills based on Work Reports:** Payment with respect to the contract, against the consolidated bills submitted, will be made for each month, based on the extent of FI work satisfactorily carried out the assigned works. Individual Work Reports for each FI will be collected by the Service provider and a single consolidated bill should be submitted to Sate designated Accounts.

**10.2 Extra Remuneration:** State Authorities will not pay any extra remuneration or charges for the work carried out beyond Office hours and on Saturdays & Holidays, in case of exigencies.

**10.3 Penalty Clause:** If the Service Provider is not able to maintain continuity in each and every individual FI Services in any month due to absentees, attrition (persons leaving) etc. then penalty charge equivalent to twice the FI salary will be deducted from Service Provider's total payments for that month.

Service Provider should ensure that the data quality is maintained during the data collection work. If at any stage of the work i.e. supervision of primary data collection, scrutiny of filled-in schedules etc., it is observed by the State Authorities/IASRI Officials that the data provided is fake or not up to the mark, the data for that particular village/mandal/block/taluk/district will be rejected by the State Authorities/IASRI Officials and penalty charge equivalent to twice the charge to be paid to SP for the data collection of that village/mandal/block/taluk/district will be deducted from Service Provider's total payments.

# **Schedules**

**for**

## **Primary Data Collection for Horticulture Survey**

**under the project**

**Study to test the developed alternative methodology for estimation of area and production of horticultural crops: IASRI Component of CHAMAN Programme under MIDH**

**(Funded by Department of Agriculture and Cooperation, Ministry of Agriculture, Govt. of India)**



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**Library Avenue, Pusa, New Delhi-110012**

**2015**

# SCHEDULES

ICAR-INDIAN AGRICULTURAL STATISTICS RESEARCH INSTITUTE

Library Avenue, New Delhi-110012

**Study to test the developed alternative methodology for estimation of area and production of horticultural crops: IASRI Component of CHAMAN Programme under MIDH**

**Schedule 1 (a): Area information of horticultural crops for the selected village**

**A. Identification particulars:**

1	State		2	District	
3	Tehsil/Taluk		4	Block	
5	Village		6	Year	

**B. Area information as per revenue record for year 200 -----**

S. No.	Particulars	Area (Hectares)
1	Total geographical area	
2	Total cultivated area	
3	(a) Area under fruits	
	(i) Apple	
	(ii) Mango	
	(iii) Guava	
	(iv) Papaya	
	(v) Grapes	
	(vi) Sapota (Chiku)	
	(vii) Banana	
	(viii) Pomegranate	
(ix) Plum		

	(x) Citrus	Kinno			
		Orange/Mandarin			
		Lime/Lemon			
		Mosambi			
		Others (Specify)			
	(xi) Others (Specify)				
	(b) Area under vegetables		Kharif	Rabi	Zaid
	(i) Potato				
	(ii) Tomato				
	(iii) Onion				
	(iv) Cauliflower				
	(v) Cabbage				
	(vi) Okra				
(vii) Brinjal					
(viii) Peas					
(ix) Others (specify)					

Signature of the Supervisor

Signature of the Field Investigator

Date

Date



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**Schedule 1 (b): General information regarding the selected village**

**A. Identification particulars:**

1	State		2	District	
3	Tehsil/Taluk		4	Block	
5	Village		6	Year	

**B. Crops grown in the selected village**

**i) Fruit crops:**


**ii) Vegetables:**

	Kharif	Rabi	Zaid

**C. Other related information**

S. No.	Particulars	Name	Distance (Km.)	Mode of Transport
1	Nearest fruits mandi			
2	Nearest vegetables mandi			
3	Nearest cold storage			

**D. Orchards/Stray trees on common land**

S.No.	Id of Common land	Name of fruit tree	Area of orchard*	Number of trees		
				Bearing	Non Bearing	Young
1	2	3	4	5	6	7

\* Not applicable in case of stray trees

Signature of the Supervisor

Signature of the Field Investigator

Date

Date

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**Study to test the developed alternative methodology for estimation of area and production of horticultural crops: IASRI Component of CHAMAN Programme under MIDH**

**Schedule -2: Enumeration of fruit orchards, stray fruit trees and vegetable fields in the selected village**

**A. Identification Particulars**

1	State		2	District	
3	Tehsil/Taluk		4	Block	
5	Village		6	Year	

i) **Date of start of enumeration work** \_\_\_\_\_

ii) **Date of completion of enumeration work** \_\_\_\_\_

Signature of the Supervisor

Signature of the Field Investigator

Date:

Date:





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**Schedule 2(a): List of selected orchards of a village.**

**A. Identification particulars:**

1	State		2	District	
3	Tehsil/Taluk		4	Block	
5	Village		6	Year	

**B. List of selected orchards:**

S.No.	Fruit Name	Column Number	Random Number Selected	S. No. of selected orchard as per col. 13 of sch.2	Farmer's name
1	2	3	4	5	6
1					
2					
3					
4					
5					

Signature of the Supervisor

Signature of the Field Investigator

Date

Date

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**Study to test the developed alternative methodology for estimation of area and production of horticultural crops: IASRI Component of CHAMAN Programme under MIDH**

**Schedule 2 (b): List of selected vegetable growers of a village**

**A. Identification particulars:**

1	State		2	District	
3	Tehsil/Taluk		4	Block	
5	Village		6	Year	

**B. List of selected vegetable growers:**

S.No.	Column Number.	Random Number Selected	Selected rank no. as per col. 30 of sch.2	Name of vegetable grower
1	2	3	4	5
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				

Signature of the Supervisor

Signature of the Field Investigator

Date

Date

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**Study to test the developed alternative methodology for estimation of area and production of horticultural crops: IASRI Component of CHAMAN Programme under MIDH**

**Schedule-3: Enumeration of fruit trees in selected orchards of a village**

**A. Identification particulars**

1	State	
2	District	
3	Tehsil / Taluk	
4	Block	
5	Village	
6	Year	
7	Name of owner of orchard	
8	Father/husband name	
9	Name of main fruit crop	
10	S.No. of orchard as per col. 5 of block B of Sch.2(a)	
11	Area of orchard (ha.)	
12	Row to row spacing (in meter) of main fruit crop	
13	Tree to tree spacing (in meter) of main fruit crop	
14	Total no. of rows/strips in selected orchard	

**B. Selection of rows / strips (Banana, Papaya and Grapes)**

Random Number Table		Random Number Selected	Selected row/strip number
Column Number	Row Number		
1	2	3	4



**C. Sketch of orchard and numbering of fruit trees/stands in orchard/ rows/strips (on overleaf)**

Signature of the Supervisor

Signature of the Field Investigator

Date

Date

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**Study to test the developed alternative methodology for estimation of area and production of horticultural crops: IASRI Component of CHAMAN Programme under MIDH**

**Schedule-4: Selection of clusters of trees/ plots in the selected orchards for the study of yield**

**A. Identification particulars**

1	State	
2	District	
3	Tehsil / Taluk	
4	Block	
5	Village	
6	Year	
7	Name of owner of orchard	
8	Father/husband name	
9	Name of main fruit crop	
10	S.No. of orchard as per col. 5 of block B of Sch.2(a)	
11	Area of orchard (ha.)	
12	Total number of cluster of bearing trees in orchard	

**B. Selection of cluster of trees (other than banana, papaya and grapes)**

Random Number Table		Random number Selected	Selected cluster no.	S. No. of trees of cluster	
Column Number	Row Number			Start	End
1	2	3	4	5	6

**C. Selection of cluster of trees in selected rows of Banana and Papaya**

S. No.	Selected row number	Total no. of tree in row	Total no. of clusters	Random table		Random Number Selected	Selected cluster no.	S. No. of trees of cluster	
				Col. no.	Row no.			Start	End
1	2	3	4	5	6	7	8	9	10
1									
2									
3									

**D. Selection of stand/pillar in selected strip (Grapes)**

S. No.	Selected strip No.	Total no. of stands in strip	Random table		Random Number Selected	Selected stand no
			Col. no.	Row no.		
1	2	3	4	5	6	7
1						
2						

Signature of the Supervisor

Signature of the Field Investigator

Date

Date

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**Schedule-5: Details of vegetables grown in current season by the selected vegetable grower**

**A. Identification particulars**

1	State	
2	District	
3	Tehsil / Taluk	
4	Block	
5	Village	
6	Year	
7	Season	
8	Name of vegetable grower	
9	Father/husband name	
10	S. No. of vegetable grower as per col. no.4 of block B of Sch. 2(b)	
11	Date of visit	



**C. Selection of vegetable field in case of more than one field of a particular vegetable**

Name of vegetable	Variety	Identification of field	Total no. of field	Sown Area (ha)	Random table		Selected random no.	Selected field no.
					Col. No.	Row no.		
1	2	3	4	5	6	7	8	9

**D. List of selected vegetable fields**

Name of vegetable	Variety	Area (ha)	Identification of field
1	2	3	4

Signature of the Supervisor

Date

Signature of the Field Investigator

Date

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**Schedule-6 (Farmer): Produce details (in kilograms/numbers) obtained from selected fruit trees of the orchard**

**A. Identification particulars**

1	State	
2	District	
3	Tehsil / Taluk	
4	Block	
5	Village	
6	Year	
7	Name of farmer	
8	Father/husband name	
9	Name of fruit crop	
10	S.No. of orchard as per col. 5 of block B of sch.2(a)	
11	Area of selected Orchard (ha.)	

**B. Production details**

Tree/ plot No.	Date of picking	Picking number	Quantity		Cluster / row / strip no.
			Number	Weight	
1	2	3	4	5	6

Signature of Farmer

Signature of the Supervisor

Signature of the Field Investigator

Date

Date

Date

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**Schedule-7 (Field Investigator): Produce details (in kilograms/numbers) obtained from fruit trees of the selected orchard**

**A. Identification particulars**

1	State	
2	District	
3	Tehsil / Taluk	
4	Block	
5	Village	
6	Year	
7	Name of farmer	
8	Father/husband name	
9	Name of fruit crop	
10	S.No. of orchard as per col. 5 of block B sch.2(a)	
11	Area of Orchard (ha.)	
12	Date of visit	

**B. Production details of 12 selected trees by enquiry (before harvesting) and 4 trees by observation on the day of visit**

Cluster / row / strip no.	Tree / Plot no.	Picking no.	Quantity			
			Inquiry		Observation	
			Number	Weight (kg)	Number	Weight (kg)
1	2	3	4	5	6	7



**C. Production details of 12 selected trees by enquiry on the day of visit for inquiry period (15 days)**

Cluster / row / strip no	Tree /Plot no.	1			2			3			4		
		Picking no.	Number	Weight (kg)	Picking no.	Number	Weight (kg)	Picking no.	Number	Weight (kg)	Picking no.	Number	Weight (kg)
1	2	3	4	5	6	7	8	9	10	11	12	13	14

**D. Production details by enquiry (before harvesting) and observation of 4 trees (other than already selected) on the day of visit**

Cluster / row / strip no.	Tree/ Plot no.	Picking no.	Quantity			
			Inquiry		Observation	
			Number	Weight (kg)	Number	Weight (kg)
1	2	3	4	5	6	7

Signature of the Supervisor

Signature of the Field Investigator

Date

Date

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**Schedule 8 (Farmer): Produce details (in kilograms) obtained from selected vegetable fields**

**A. Identification Particulars**

1	State	
2	District	
3	Tehsil/Taluk	
4	Block	
5	Village	
6	Season	
7	Year	
8	Name of vegetable grower	
9	Father/ husband name	
10	Total Area under vegetable (ha.)	

**B. Produce details of selected vegetable field**

S. No	Crop	Identification of field	Area of selected field (ha)	Area harvested (ha)	Date of picking	Weight (kg)	Picking No.
1	2	3	4	5	6	7	8

Signature of Farmer  
Date

Signature of the Supervisor  
Date

Signature of the Field Investigator  
Date

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**Schedule 9 (Field Investigator): Produce details (in kilograms) obtained from vegetable fields**

**A. Identification particulars**

1	State	
2	District	
3	Tehsil/Taluk	
4	Block	
5	Village	
6	Season	
7	Year	
8	Name of vegetable grower	
9	Father/husband name	
10	Date of visit	

**B. Produce details by enquiry and physical observation for the selected field**

S. No	Crop	Identification of field	Area (ha) of field	Area harvested (ha)	Picking No.	Produce qty (Kg) by Inquiry	By observation		
							Plot Size (10x2 or 5x5)	Number	Weight (Kg)
1	2	3	4	5	6	7	8	9	10



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**Schedule 10: Marketing of produce (in quintals) for the selected orchardists and vegetable growers**

**A. Identification particulars**

1	State	
2	District	
3	Tehsil/Taluk	
4	Village	
5	Year	
6	Name of farmer/Contractor	

**B. Details of production and its disposal during period of inquiry**

Date of visit	Production		Home Consumption (Quintals)	Marketed Quantity				Balance, if any (Quintals)
	Name of crop	Quantity in Quintals		Sold at site		Sold in market		
				Purchaser code	Quintals	Market name	Quintals	
1	2	3	4	5	6	7	8	9

Purchaser code: Local vendor (1), Contractor (2), Co-operative society (3), Others (specify)

Signature of the Supervisor

Date

Signature of the Field Investigator

Date