

APPENDIX - I

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Sir,

In connection with a study of my student, Mr. J. Vasantha Kumar, I would like to know your opinion about the relevance of items to be included under 'Characteristics of Development Administration' with reference to small and marginal farmers. You may encircle appropriate score against the items listed in the enclosure. The scores, 1-5 imply a scale of 'least - high relevance'.

Thanking you,

Yours sincerely,

(S.N. Singh)

APPENDIX - I. (Contd.)

Characteristics of Development Administration

Sl. No.	Items	Scores				
1.	Change orientation ...	1	2	3	4	5
2.	Commitment to work ...	1	2	3	4	5
3.	Independent decision making ...	1	2	3	4	5
4.	Leadership orientation ...	1	2	3	4	5
5.	Organising poor ...	1	2	3	4	5
6.	People participation ...	1	2	3	4	5
7.	Political involvement ...	1	2	3	4	5
8.	'Press' involvement ...	1	2	3	4	5
9.	Result orientation ...	1	2	3	4	5
10.	Rule orientation ...	1	2	3	4	5

APPENDIX - II

A. Interview Schedule for Officials.

Name of the respondent :
Designation :
Block :

Background variables

1. Age :
2. Marital Status : Single/married/divorced/widowed.
3. How many persons are dependent on you?
4. (a) Place of birth:
(b) Whether a village/town/city
(c) Place of residences;
No. of years: Places (Village/Town/City)

5. Educational Qualifications:

Name of the Institution	Year	Subject	Degree	Class/marks
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6. Number of promotions got since joining the Govt. Service

7. (a) Number of years of service: _____
(b) Number of years of service in the present post: _____

8. (a) Do you find time to read professional Journals: Yes/No
(b) If yes, which ones do you read more often?

9. (a) Do you find time to listen to farm broadcast? Yes/No

(b) If yes; how often?

- | | |
|------------------|--------------|
| a) V. frequently | c) Often |
| b) Frequently | d) Sometimes |
| | e) Rarely. |

Hierarchy of authority

10. (a) In your work do you have a chance to take decisions on your own without asking anyone higher in your office?

- | | | | |
|-----------------|-----|-------------|-----|
| (i) Mostly | () | (iv) Seldom | () |
| (ii) Often | () | (v) Never | () |
| (iii) Sometimes | () | | |

(b) "There can be little action taken in this office until a superior officer approves a decision". How accurately does this statement describe the day-to-day work of your office

- | | | | |
|-----------------------|-----|-------------------------|-----|
| (i) Mostly accurate | () | (iv) Largely inaccurate | () |
| (ii) Largely accurate | () | (v) Mostly inaccurate | () |
| (iii) Fairly accurate | () | | |

(c) How much say do you think your superior has in matters that affect you and your work?

- | | |
|------------------------------|-----|
| (i) A very great deal of say | () |
| (ii) Considerable say | () |
| (iii) Some say | () |
| (iv) Little say | () |
| (v) None at all | () |

(d) How often do you meet for official reasons officers above you who are not your immediate superior?

(iii)

- (i) Very often ()
- (ii) Often ()
- (iii) Some times ()
- (iv) Rarely ()
- (v) Never ()

Division of labour

11. (a) Does your position require you to do the similar things which are performed by your immediate superior?

- (i) Almost all the things ()
- (ii) Many things ()
- (iii) Some things ()
- (iv) Few things ()
- (v) Practically none ()

(b) Do you find yourself doing the type of work similar to that done by most other people in your office at your level?

- (i) At all times ()
- (ii) Most of the time ()
- (iii) Some times ()
- (iv) Rarely ()
- (v) Never ()

(c) How will you describe the work that you do in your present position?

- (i) All repetitive ()
- (ii) Largely repetitive ()
- (iii) Somewhat repetitive ()
- (iv) Mostly non-repetitive ()
- (v) Entirely non-repetitive ()

(d) If you are hiring a person to do the work of your present position, do you think he should have the education and experience that you possess?

- (i) Practically all of it ()
- (ii) A large part of it ()
- (iii) Some of it ()
- (iv) Little of it ()
- (v) Really none of it ()

System of rules

12. (a) In handling your official duties do you feel that there are enough rules and regulations which give you a fairly clear direction for handling your work?

- (i) Rather excessive ()
- (ii) More than enough ()
- (iii) About enough ()
- (iv) Little ()
- (v) Too little ()

(b) Does your work require you to devise new ways and means of doing things?

- (i) To a very great extent ()
- (ii) To a considerable extent ()
- (iii) To some extent ()
- (iv) Little ()
- (v) None at all ()

(c) Would you agree that most of your day-to-day work consists of the application of prescribed rules and procedures with little need for variation or adaptation in their application to the cases that you deal with?

(v)

- (i) Entirely agree ()
- (ii) Largely agree ()
- (iii) Somewhat agree ()
- (iv) Largely disagree ()
- (v) Entirely disagree ()

Impersonality

13. Here are certain statements about the people who come to your office for work. Speaking about yourself, please check whether you agree or disagree with each statement.

(a) "To me every small and marginal farmer is just more or less the same as every other farmer".

- (i) Entirely agree ()
- (ii) Largely agree ()
- (iii) Somewhat agree ()
- (iv) Largely disagree ()
- (v) Entirely disagree ()

(b) "Even when I come to know certain small and marginal farmers well, I find that I treat them the same way as way as I treat any one else".

- (i) Entirely agree ()
- (ii) Largely agree ()
- (iii) Somewhat agree ()
- (iv) Largely disagree ()
- (v) Entirely disagree ()

(c) I often become quite personally close to some small and marginal farmers".

- (i) Entirely agree ()
- (ii) Largely agree ()
- (iii) Somewhat agree ()
- (iv) Largely disagree ()
- (v) Entirely disagree ()

(d) 'Whether the farmer is satisfied or not with my handling of his case does not bother me as long as I settle in according to prescribed rules and procedures'.

- (i) Entirely agree ()
- (ii) Largely agree ()
- (iii) Somewhat agree ()
- (iv) Largely disagree ()
- (v) Entirely disagree ()

Rationality

14. Imagine the following situation.

An officer has a limited stock of breeder's seed of 'Marudham', a recent tomato variety. He has called for applications for seed producers. Among the applicants is the relation of his colleagues who tells the officer that his relative is in great difficulty and hence needs the offer badly. The officer feels that the relative can do this work well. He therefore, uses his discretionary power and made the offer to the relation of his colleague for the season.

(a) How often does such a thing happen in Government offices?

- (i) Always ()
- (ii) Usually ()
- (iii) Sometimes ()
- (iv) Rarely ()
- (v) Never ()

(b) If you were the officer, would you also have made the offer to the relation of your colleague?

- (i) Certainly ()
- (ii) Quite likely ()
- (iii) Probably ()
- (iv) probably not ()
- (v) Certainly not ()

(c) Suppose, now for a while, the seed producer in the above instance turns out to be one of the best the offer^{ic} has had. Looking back do you think the officer did the right thing in agreeing with the request of his colleague?

- (i) Yes, indeed ()
- (ii) Yes, perhaps ()
- (iii) Doubtful ()
- (iv) Perhaps not ()
- (v) Certainly not ()

Rule orientation

15. Imagine now another situation.

Monsoon has set unusually earlier in a region. As

the farmers want to take up sowing immediately before the moisture depletes, they approach the agril. officer for improved seeds. But, since the officer has not received the price-fixation order from his superior, he informs the farmers to come after a week. The farmers request the officer concerned to expedite the internal formalities of the office personally or on telephone instead of following the routine procedure. They also emphasise the importance of timely release of seeds as the moisture depletion is high.

(a) Do you think that in the existing set-up the Government officer will take personal initiative in a case like this and sell the seeds immediately.

(i) Very often () (iv) Rarely ()

(ii) Generally () (v) Never ()

(iii) Sometimes ()

(b) If you were the officer concerned would you take personal interest in expediting the case and selling the seeds immediately?

(i) Certainly () (iv) Perhaps not ()

(ii) Quite likely () (v) Certainly not ()

(iii) Perhaps ()

(c) If the public servants do not follow the procedures rigidly in handling the cases, do you think that in the existing set-up their superiors will reprimand them?

(i) Certainly ()

(ii) Quite likely ()

- (iii) Perhaps ()
 (iv) Perhaps not ()
 (v) Certainly not ()

(d) In the above situation do you think the superior should reprimand the officer for not going by the prescribed procedure?

- (i) Certainly () (iv) Perhaps not ()
 (ii) Perhaps () (v) Certainly not ()
 (iii) Not sure ()

Change orientation

16. Imagine the following situation:

The high yielding varieties programme of a Block of a district envisaged coverage of about 1500 acres with I.R.20 variety paddy. The job of ensuring this coverage is placed on Agricultural officer (Extension), Ramasamy, a graduate in Agriculture. In trying to fulfil his responsibility Ramasamy discovers that although ideal conditions for growing I.R. 20 exists in the Block; out of 100 farmers involved only about 10 are willing to sow their fields with IR 20 covering about 150 acres.

For this purpose Ramasamy calls a meeting of all the farmers and impresses upon them the advantages of the new IR 20 seed. He also tells them that the Government is fully prepared to give them all the necessary assistance. With that Ramasamy instructs the concerned V.L.Ws. and returns to the Block headquarters.

In checking with the actual coverage after the sowing is completed Ramasamy is disappointed to find that only 15

cultivators with a total of 200 acres actually sowed the IR 20 seed.

(a) In the present set-up do you think it is expected of officers like Ramasamy to be concerned with changing the attitudes by the people?

(i) To a very great extent ()

(ii) To a considerable extent ()

(iii) To some extent ()

(iv) Little ()

(v) Not at all ()

Suppose now after returning to his headquarters Ramasamy narrates his experience to his superior and also suggests ~~to~~ to reduce the coverage under the programme to about 200 acres for the next season as the attitude of the cultivators were not favourable for it and the programme was ambitious.

(b) In the present set-up do you think the superior officers would expect very much more more done than what Ramasamy did in the above case?

(i) Very much ()

(ii) Somewhat more ()

(iii) Just right ()

(iv) Somewhat less ()

(v) No, not at all ()

Now suppose for a while that another Block B of the same district has similar programme with similar target. However, the Agricultural Officer (Extn.)

of the Block, one Gopalsamy, finds that practically none of the farmers in the Block is willing to sow his field with improved seeds. Nevertheless, enthusiastic as he was about the programme, Gopalsamy stays in the village, approaches the farmers personally and tries to create in them a favourable desire for adopting the improved seed programme. With that he returns to his headquarters after giving necessary instructions to V.L.W.S. Ultimately, however, Gopalsamy is disappointed to find that only a few cultivators covering a total of 200 acres actually sowed the improved variety of seeds.

A little later a promotional vacancy arises in the Department.

- (c) Under the existing set-up, do you think Gopalsamy will be rated higher than Ramasamy on the basis of above facts?
- | | | | |
|----------------|-----|-------------------|-----|
| (i) Certainly | () | (iv) Perhaps not | () |
| (ii) Perhaps | () | (v) Certainly not | () |
| (iii) Not sure | () | | |
- (d) If the Agricultural Officers personally approach the cultivators and persuade them to sow the seeds, do you think in the present set-up their higher officers will appreciate such work?
- | | | | |
|------------------|-----|-------------|-----|
| (i) Always | () | (iv) Rarely | () |
| (ii) Generally | () | (v) Never | () |
| (iii) Some times | () | | |

17. Consider again another situation.

In the agricultural development programme, one of the key factors is the credit necessary for cultivators to purchase all the required inputs, especially fertilisers, seeds, pesticides, implements, etc.

In Block A there are two groups of cultivators, Cultivators Subramanyan, Duraisamy and five others who are otherwise progressive farmers, do not have sufficient means of their own, whereas cultivators Muthusamy, Velusamy and four others, who are not progressive, are well to do farmers.

Because of the anticipated benefits, all these farmers are interested to participate in the high yielding varieties programme started in the Block. The Agri. Officer (Extn.) is fully satisfied that most of them are potentially good participants in the programme.

Since these cultivators have known of the various credit facilities offered to purchase of required inputs, they approach the Field Officer (Bank) and the appropriate agency for a short term loan. In verifying the application, the concerned officers find that while the second group of cultivators consisting of Muthusamy and others meet all the security and other requirements under the rules, the first group consisting of subramanyan and others are not able to meet all the requirements adequately.

- (a) How do you think Govt. officers will deal with the applications of Duraisamy, Subramanyan and others in their group?

- (i) Invariably reject ()
- (ii) Often reject ()
- (iii) Some times reject ()
- (iv) Often grant ()
- (v) Invariably grant ()

(b) Do you think that in the existing set-up the superior officers will approve of the rejection of the applications of Subramanyam and others?

- (i) Yes, indeed ()
- (ii) Yes, perhaps ()
- (iii) Not sure ()
- (iv) Perhaps not ()
- (v) Certainly not ()

Now suppose that the officers dealing with the applications in the above case are divided in their opinion about the nature of their work:

One group of officers feel that Subramanyan's and Muthusam's applications should be granted because one's ideas and potential are what really count. Hence if in the judgement of the officer a cultivator is good, potential participant in the programme he should be granted loan even by relaxing some of the rules.

On the other hand, the second group of officers feel that such handling of the cases would only lead to confusion, it is necessary to have regular procedures and clearly prescribed criteria for distinguishing good cases from bad cases. Only those fulfilling these conditions should be considered.

(c) Which one of the above two opinions do you think comes closest to that held by most of the Government servants in the existing set-up?

(i) Opinion of the first group of officers ()

(ii) Opinion of the second group of officers ()

Now suppose the rules relating to the grant of credit to the cultivators are suitably changed and it is possible to grant loan on the consideration of security as well as progressiveness of the farmers.

In the meantime the District faces with the acute problem of drought but necessary steps have been initiated by the Government to overcome the same. Considering that Subramanyan and others are highly progressive as compared to Muthusamy and others and anticipating that the problem of drought would be solved, the officers grant loan to Subramanyan and others rather than Muthusamy and others. However due to unavoidable circumstances the drought condition could not be prevented and Subramanyan and others would not repay the loan.

(d) Do you think that in the existing set-up the superiors of these officers will blame them for taking unnecessary risk by not having the government loan adequately covered by security from farmers like Muthusamy?

(i) Certainly () (iv) Probably not ()

(ii) Probably () (v) Certainly not ()

(iii) Not sure ()

Orientation towards People's Participation

12. Consider the following situation:

One of the recurrent problems of agriculture in blocks A and B of a district is excessive soil erosion as a result of which the agric. development of these blocks has been severely handicapped.

In block A, the Block Development Officer, Krishnan, during his field tours draw the attention of the cultivators in the affected areas to the urgency of adopting the soil conservation programme for the block. He also arranges a meeting between him (along with the block staff) and some of the cultivators involved, in which he appeals to the cultivators to cooperate with the officials in implementing the above programme.

Six months later, however, Krishnan finds that the Block staff were able to bring only about 40% of the land in the affected areas under the soil conservation programme.

(a) Do you think that in the existing set-up Krishnan and his staff have done as much as is expected of Block officials?

- | | | | |
|--------------------|-----|----------------|-----|
| (i) Entirely so | () | (iv) Not quite | () |
| (ii) Quite so | () | (v) Not at all | () |
| (iii) Some what so | () | | |

As against Block A, in block B, the Block Development Officer, Balan tries to achieve implementation of the soil conservation programme in his block by personally approaching the cultivators in the affected areas. He

spends a considerable amount of his time with them explaining the purpose and desirability of the programme and tries to understand their difficulties and solve them. On behalf of the government he also assures all the necessary help to the cultivators who may suffer inconvenience or be adversely affected by the programme. In this process, while securing many promises of cooperation, Balan finds that much of his routine work at the Block has suffered.

Six months later, however, like Krishnan, Balan also finds that he was not able to bring more than 40% of the land in these affected areas under the programme.

(b) Do you think that in the existing ^{Set-up} Block Development Officers go so much out for the programme as Balan did in the above case?

- | | | | |
|------------------|-----|-------------|-----|
| (i) Always | () | (iv) Seldom | () |
| (ii) Generally | () | (v) Never | () |
| (iii) Some times | () | | |

Now suppose that the head of the district in which Blocks A and B are located proposes to change the existing rules and regulations to make it compulsory for all the involved cultivators to participate in the soil conservation programme. He asks the block Development Officers if they would prefer this to ensure adequate implementation of the programme in future.

(c) In the existing set-up, do you think that the Block Development Officers would welcome it?

- (i) Most would welcome it ()
- (ii) Many would welcome it ()
- (iii) Some would welcome it ()
- (iv) Few would welcome it ()
- (v) No one would welcome it ()

Commitment to work

19.(a) If the work you do ^{does} not yield the desired results, how do you feel?

- (i) Extremely distressed and unhappy ()
- (ii) Quite distressed and unhappy ()
- (iii) Somewhat unhappy ()
- (iv) Feel little unhappy ()
- (v) Do not feel unhappy because you have done your job. ()

(b) How do you feel when colleagues criticize your work?

- (i) Very much resent ()
- (ii) Resent quite a bit ()
- (iii) Resent somewhat ()
- (iv) Resent a little ()
- (v) Not bothered at all ()

(c) If there are any problems in the work remaining unsolved at the end of the day how do you feel about these even after office hours? Do they bother and worry you?

- (i) Very much ()
- (ii) Quite a bit ()
- (iii) Some what ()
- (iv) Little ()
- (v) Not all ()

10. If the work you do achieve expected results how do you feel?

- (i) Extremely happy ()
 (ii) Quite a bit happy ()
 (iii) Somewhat happy ()
 (iv) Generally indifferent ()
 (v) Do not care ()

Leadership orientation

20. In block A of a district, Agricultural Officer (Extension) Govindasamy used to visit the village leaders regularly. He encouraged the leaders to adopt new technology hoping that this would convince the fellow farmers of the village. As the leader was a big land lord, the people started criticising Govindasamy that the officer would help only the rich because they alone provide him snacks etc.

(a) In the present Set-up do you think it is expected of officers like Govindasamy to continue their contact with the big farmers?

- (i) Certainly () (iv) Perhaps not ()
 (ii) Perhaps () (v) Certainly not ()
 (iii) Do not know ()

Suppose the criticism reached the superiors of Govindasamy, when he is questioned, Govindasamy explains that only such contracts help him achieve his targets like selling seeds, chemicals etc. as those leaders always oblige.

of the present set-up do you think the superiors of Govindasamy would agree to his stand?

- (i) Entirely agree () (iv) Some what disagree ()
 (ii) Somewhat agree () (v) Entirely disagree ()
 (iii) Do not know ()

Orientation towards organising the poor

21. There are very many organisations and associations coming up to look after the interests of their members. On seeing the successful performance of such organisations, the need for organising the poor, small and marginal farmers, becomes paramount.

(a) In the present set-up do you think, it is expected of officials like you to organise the poor?

- (i) Certainly () (v) Certainly not ()
 (ii) Perhaps ()
 (iii) Do not know ()
 (iv) Perhaps not ()

(b) Such an organisations of the poor needs only a small or marginal farmers to be their leader for effective functioning. Do you agree?

- (i) Certainly () (v) Certainly not ()
 (ii) Perhaps ()
 (iii) Do not know ()
 (iv) Perhaps not ()

(c) Such an organisation of the poor may even criticise officials like you in a long run. In view of that will it not be advisable to avoid organising the poor?

(xx)

- (iii) (iv) Perhaps not ()
() (v) Certainly not ()
() cannot know ()

Block level

20. How often are the other organisations functioning in the block to bring about the development of small and marginal farmers?

(b) In order to bring about the development of small and marginal farmers how often your organisation joins with other organisations in clarifying one's objectives, and then determining what action shall be taken by whom, when and by what method for achieving the desired goal?

Sl. Organisation No.	Frequency			
	regularly	Quite often	Sometimes	Rarely

(1)

(ii)

(iii)

(iv)

(v)

(vi)

(c) How often does your organisation contact other organisations at block-level for making available credit and inputs as well as marketing facilities for the small and marginal farmers?

	Frequency			
	Regularly	Quite often	Sometimes	Rarely
(v)				

(v) How often does your organisation contact other organisations to assess the success in accomplishing the agricultural development of small and marginal farmers.

Sl. No.	Organisation	Frequency			
		Regularly	Quite often	Sometimes	Rarely
(i)					
(ii)					
(iii)					
(iv)					
(v)					
(vi)					

(vi) How often does your organisation contact other block-level organisations to provide information concerning its programmes in the field meant for small and marginal farmers.

Sl. No.	Organisation	Frequency			
		Regularly	Quite often	Sometimes	Rarely
(i)					
(ii)					
(iii)					
(iv)					
(v)					

What are the constraints that you face in implementing
development programmes meant for small and marginal
farmers?

Thank you.

Survey Schedule for Small and Marginal Farmers

Block _____

Village: _____

Name of the respondent: _____

Household name _____

Sex _____

Education: Illiterate/Primary/Middle/Secondary/Collegiate _____

Size of the family: _____

(a) Adults: Male _____ (b) Children; Male _____
Female _____ Female _____

Structure of family: Joint/Nuclear. _____

Family occupation: (a) Primary _____
(b) Secondary _____

6. How many of your family members are employed?

- (a) Agriculture (full time)
- (b) Agriculture + other occupation
 - (i) _____
 - (ii) _____
 - (iii) _____
- (c) Other occupation
 - (i) _____
 - (ii) _____

7. Sources of family income:

- (a) Agriculture _____ (Rs.)
- (b) Other sources _____ (Rs.)
- _____ (Rs.)
- _____ (Rs.)

8. Social participation:

Organisations/Institutions	Member/office bearer	What sort of participation
(a) Co-op. Credit Society	-	-----
(b) Co-op. Milk Producers Union	-	-----
(c) F.D.G.	-	-----
(d) Panchayats	-	-----
(e) Farmers Association	-	-----
(f) P. Unions	-	-----
(g) Others	-	-----
.....	-	-----
.....	-	-----

9. Mass media Exposure:

	<u>Frequency</u>				
(a) Radio	5	4	3	2	1
(b) Newspapers	5	4	3	2	1
(c) Agril. journals	5	4	3	2	1
(d) Posters	5	4	3	2	1
(e) Agril. Films	5	4	3	2	1
(f) Leaflets	5	4	3	2	1
(g) Boards	5	4	3	2	1

[0 = Never; 1 = Once in a year; 2 = One in 2 months;
3 = Once in a month; 4 = once in a week; 5 = daily]

10. Contact with Extn. Agency:

<u>Agency</u>	<u>Frequency</u>					<u>Purpose (Detail)</u>	
(a) Veterinary Surgeon	5	4	3	2	1	2	1
(b) Extension Officer (Irrigation)	5	4	3	2	1	2	1
(c) Extension Officer (Co-op.)	5	4	3	2	1	2	1
(d) Agril. Officer (Extn)	5	4	3	2	1	2	1

(iii)

<u>Agency</u>	<u>Frequency</u>					<u>Purpose (Detail)</u>	
(e) Agril. Officer (DRDA)	5	4	3	2	1	2	1
(f) Field Officer (...Bank)	5	4	3	2	1	2	1
(g) B.D.O.	5	4	3	2	1	2	1
(h) Extn. Officer (industries)	5	4	3	2	1	2	1
(i) Extn. Officer (Social Welfare)	5	4	3	2	1	2	1

[Purpose: 2 = Technological information;
1 = Service and supply]

[Frequency: 5 = Daily, 4 = once in a weak; 3 = once in month; 2 = once in three months;
1 = Once in a year]

11. (a) Farm size:

	<u>Area</u>	<u>Rainfed</u>	<u>Irrigated</u>
(i) Own
(ii) leased in
(iii) leased out
Total

(b) Irrigation:-

<u>Sources of irrigation</u>	<u>Own</u>	<u>Private</u>	<u>Govt.</u>	<u>Area</u>
....
....

. Irrigation

12. Are you satisfied with the present system of irrigation?

(a) fully () (c) Not at all ()

(b) Partly ()

13. How do you propose to meet the full requirements?

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14. For the requirements did you approach any agency? Yes/No

. Give the details; please.

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--

15. What constraints did you face in the process?

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--
--

. Farm Implements

16. What are the farm implements that you use on your farm?

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--
--

17. What are the implements owned by you?

--
--
--

18. What are the other sources for getting the implements?

Implement	Private	Block-level Organisation
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--	--	--
--	--	--

19. How do you propose to meet your full requirements?

--	--	--
--	--	--

20. What are the agencies you have contacted for the purpose?

21. Did you purchase any farm implements last year? Yes/No

If yes, details please

Name of the implements	Money spent	Own	Source of money	
			Private	Govt.
--	--	--	--	--
--	--	--	--	--
--	--	--	--	--

22. Did you hire any farm implements last year? Yes/No

if yes, details please

Name of the implements	Money spent	Own	Source of Money	
			Private	Govt.
--	--	--	--	--
--	--	--	--	--

23. Detail the constraints you faced regarding implements.

24. (a) Do you have own house? Yes/No

(b) If yes, What type of house is it? huts/thatched/tiled/terrace.

25. (a) Do you own a separate farm house? Yes/No

(b) If yes, what type of house is it? huts/thatched/tiled/terrace.

26. Livestock wealth:

Animals	Number		Source of Money		
	Improved	Local	Own	Private	Govt.
Cows in milk	-	-	-	-	-
Dry cows	-	-	-	-	-
Buffaloes in milk	-	-	-	-	-
Dry Buffaloes	-	-	-	-	-
Bullocks	-	-	-	-	-
Goats	-	-	-	-	-

Live stock wealth (contd.)

Animals	Number		Source of Money		
	Improved	Local	Own	Private	Govt.
Sheep	--	--	--	--	--
Poultry birds: (i) Layers	--	--	--	--	--
(ii) Broilers	--	--	--	--	--
Pigs	--	--	--	--	--

27. Where do you keep your animals and birds?

--	--	--
--	--	--
--	--	--
--	--	--

28. What crops did you raise last year?

Crop	Variety	Area (Acres)
--	--	--
--	--	--
--	--	--

Seeds

29. What was your seed requirement last year?

Crop	Variety	Quantity
--	--	--
--	--	--
--	--	--

30. How much seeds could you get and from which source?

Crop and variety	Source	Distance	Qty.	Qty. of improved seed	Cost
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--
--	--	--	--	--	--

31. Did you get the improved seeds?

- (a) of desired quality? Yes/No
- (b) of desired variety? Yes/No
- (c) in time? Yes/No

32. If, late how much? _____ Days; _____ Weeks; _____ Months.

33. How do you propose to meet your full requirements?

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--
--

34. For this requirement did you approach any agency? If Yes, details please.

--
--
--

35. What are the constraints in meeting full requirements?

--
--
--

Manures and Fertilizers

36. What was the quantity of chemical fertilizers under each brand you wanted to use?

<u>Crops</u>	<u>Fertilizer</u>	<u>Quantity</u>
--	--	--
--	--	--
--	--	--

37. How much did you actually use for each crop? Where did you get it?

<u>Crop</u>	<u>Fertilizer</u>	<u>Qty.</u>	<u>Cost</u>	<u>Source</u>	<u>Distance</u>
--	--	--	--	--	--

38. Did you get the fertiliser at right time? Yes/No
If no, how much late? _____.

39. What was the Qty. of Farm yard manure and green manure you wanted to use?

Crop	FYM (Qty)	GM (Qty)
--	--	--
--	--	--
--	--	--

40. How much did you actually use? State the source?

Crop	FYM	GM	Source	Cost
--	--	--	--	--
--	--	--	--	--
--	--	--	--	--

41. How do you propose to meet your full requirements?

--
--

42. For the requirement did you approach any agency? Yes/No
Details please

--
--

43. Kindly tell me all the constraints that you faced?

--
--
--

Plant protection chemicals

44. Kindly tell me the chemicals that you wanted to use for plant protection?

Crop	Chemical	Qty.	Purpose
--	--	--	--
--	--	--	--
--	--	--	--

45. What chemicals did you actually use last year?

Crop	Chemical	Qty.	Cost	Purpose
--	--	--	--	--
--	--	--	--	--
--	--	--	--	--

46. Where did you get the chemicals?

Name of the Chemical	Source	Distance	Quantity
--	--	--	--
--	--	--	--
--	--	--	--

47. Did you get the chemicals at right time? Yes/No

If No, how much late? _____

48. How do you propose to meet your full requirements?

-- --
 -- --

49. For the requirement did you approach any agency?

Detail please.

-- --
 -- --
 -- --

50. Did you face any constraints to get the chemicals?

detail please.

-- --
 -- --

Electricity and Fuel:

51. Do you have electric motor? Yes/No

If yes, do you get electricity

(1) Whenever you need Yes/No

(2) for required period Yes/No

52. How do you propose to manage in case you are not getting it for required period?

--

--

--

53. What agencies do you meet for the requirement?

--

--

--

54. Do you have oil pumpset? Yes/No

If yes, where do you get the fuel?

Source: Private/own/govt.

55. Do you get ~~for~~ your full requirement? Yes, fully/
partially/nil.

56. How do you propose to manage for your full requirements?

--

57. What are the agencies that you contact for the requirements?

58. What are the constraints that you face in this regard?

--

--

--

65. Please state the constraints faced?

--
Credit

66. What was your credit requirement for the following items?

Sl. No.	Item	Amount required (Rs.)
(a)	Seeds	
(b)	Fertilizers and manures	
(c)	Chemicals	
(d)	Irrigation charges	
(e)	Electricity/Fuel	
(f)	Implements	
(g)	Labour charges	
(h)	Food and clothe	
(i)	Medicine	
(j)	Veterinary assistance	
(k)	Transport	
(l)	Permanent land improvements	

67 Please state the patter of meeting the requirements and level of satisfaction for each item?

Sl. Items No.	Source			Level of satisfaction		
	Own	Private	Block-level organisation	Completely	Certainly ext-ent	Not at all

- (a) Seeds
 (b) Manures and fertiliser
 (c) Chemicals
 (d) Irrigation charges
 (e) Electricity/Fuel
 (f) Implements
 (g) Transport

- (h) Marketing
- (i) Credit
- (j) Other (specify)

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--

68. How do you propose to meet your full requirement?

--

69. For the requirement did you approach any of the agencies?

Details please.

--

--

--

70. Kindly tell me the constraints you had faced?

--

--

--

--

71. Technology

71. Please give me the details regarding the package of practices adopted for CSH 5 Jowar (Sorghum)

Seed rate: ...

Spacing: ...

Fertilizers: ...

Irrigation: ...

Plant protection: ...

Yield: ...

Post harvest:

72. After the harvest where do you store your farm produce?

--

73. Are you satisfied with the present system? Fully/partly/

Not at all.

74. In case you have more produce, how do you propose to store?

75. Do you meet any agency for meeting this requirement?

--

76. For transportation of produce, what do you do now?

State constraints also. [Places - Pattern of meeting
- Resource - Cost]

77. Are you satisfied with the present set-up?

Fully/partly/Not at all.

78. How do you propose to meet your full requirements?

--

--

--

79. What agencies do you meet for meeting the requirements?

--

--

--

80. Normally where do you sell or market your produce?

Marketing Centre

Commodity

--

--

--

--

--

--

81. Are you satisfied with the present set-up?

- (a) partly ()
- (b) fully ()
- (c) Not at all ()

82. What are the constraints you face in this regard?

--
--
--

83. How do you propose to go about it?

--
--
--

84. What agencies do you contact for the same?

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--
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85. Thank you, Sir.

APPENDIX - III

Table-A: Background characteristics of Small and Marginal Farmers.

Sl. No.	Background characteristics	(n = 300)	
		Frequency	Percentage
1. Age			
(a)	Young	124	41.3
(b)	Old	176	58.7
2. Education			
(a)	Illiterates	164	54.7
(b)	Literates	136	45.3
3. Size of family			
(a)	Small	188	62.7
(b)	Big	122	37.3
4. Type of family			
(a)	Nuclear	211	70.3
(b)	Joint	89	29.7
5. Social participation			
a)	Low	246	82.0
b)	High	54	18.0
6. Contact with extension agency			
a)	Low	227	75.7
b)	High	73	24.3