GOVERNMENT OF MAHARASHTRA RURAL DEVELOPMENT DEPARTMENT



REPORT

THE EVALUATION COMMITTEE

ON

APPLIED NUTRITION PROGRAMME

1971

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ON
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"Solving the problem of hunger is not one of greater production but of more equitable distribution and of improving food habits so as to lead to wholesome and nutritious food. All this can undoubtedly be done provided we divert our minds and energies to that end with determination to achieve freedom from hunger for everyone."

JAWAHARLAL NEHRU
(Speech on burning problem of malnutrition.)

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	Poultry keeping 1 Has 44 12		
	Dairy		
	Bee keeping / 1/16 - a. w	CA 921 15 03	Joseph J.
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APPENDIX A (Para 1.1)

(I) STATEMENT SHOWING THE APPLIED NUTRITION PROGRAMME BLOCKS IN MAHARASHTRA STATE AS ON 1ST OCTOBER 1971.

8 	Name of the Blo	ck	District	. 137. 10	Remarks	991 To 7. 2.	
-			Blo	cks 1965	-66 Series Tours		1 :
1.	Ambegaon		Pune	1	ு சென்னையக் 🚓	13.131, 14	<u>.</u> í
2.		• •	Kolhapur	i i	inger of	1 100 11 18%	J.C
3.	Amravati		Amravati		mar fortig		,
4.		• •	Nagpur		Normal operationa	l period expir	red on
5.	Brahmapuri		Chandrapur	Í	31st March 1970	extended up t	o 31st
6.			Parbhani	ļ	March 1972.:	$\sigma = \omega I$	ŕ
7.		• •	Thana	ſ			
8.			Akola				
9.			Dhuila				
10.		• •	Wardha	1	7. Š		
	Kudal	* *		31.10	3 7		
12.	Jalna	* •	Aurangabad	ر.			
	3 PT *		Blocks 19	066 -6 7 S	eries		
13.		• •	Sangli	1	12		
	Karad Akola	• •	Satara	l l	Normal operational	nariod cavai	ad ar
16.		• •	Ahmednagar	- 1	21et March 1971	evtended up 1	cui.on
17.		• •	Jalgaon Nasik	}	31st March ,1971 March 1972.	extended up	12121
18.			Nanded	I	Match 1772.	¥ 0	(1)
	Udgir	• •	Osmanabad				
20.			Buldana				
(=0.0		5.5%		,			
			Blocks 19	76 7-6 8 S	eries t.i.		
21.	Gondia		Bhandara		1.4		
22.	Ghatanji		Yeotmal				
23.	Soegaon	• •	Aurangabad				
24.	Sangola	• •	Sholapur				
25. 26.	Shrivardhan	5650	Kolaba		184 <u>2</u>		
27.	Palghar Raver		Thana Jalgaon]		. !n		
28.	Baglan	••	Nasik				
29.	Guhagar	* *	Ratnagiri				
30.	Panhala	• •	Kolhapur				
31.	Ahmednagar		Ahmednagar				
32.			Nagpur				
33.		••	Akola		報		
34.			Wardha		1		
35.			Parbhani				
36.	Hadgaon		Nanded	1. 14 15	U, Or.		
	- 8-		Blocks 19	968-69 S	eries		
37.			Amravati				
38.	Pandharkawad	a	Yeotmal				
39.	Paoni	• •	Bhandara				
40.	Sindewadhi	• •	Chandrapur Buldana				
41.	Motala Manilesson	• •	Buidana Bhir				
42. 43.	Manjlegaon Bhoom		Osmanabad	*			
43.	Karjat	3	Ahmednagar				
45.		• •	Pune		: A ***		
	Khatav		Satara				
47	Karmala		Sholapur		44.00		
48.			Kolhapur		2.4		
49.	Dahanu		Thana				
50.	Panvel		Kolaba				
							

]	Name of the Bloo	ck Distri	ict	e .	Remarks	
	· · · · · · · · · · · · · · · · · · ·		: •		·	
		Blo	cks 1968-69	Series		
	N			,		
51.	Nawapur	Dhulia		- :		
52.	Tasgaon	Sangli	, j.	4.00		
53.	Khuldabad	Auranga				
54.		Ratnagi		4		
55.		. Sholapı	Ir	• *		
		. Bhir				
57.	_	Bhanda		4		
58.	_	Yeotma				
59.	Washim	Akola				
		Blo	cks 1969-70) Series		
60.	Mokhada	Thana				
61.	Mahad	Kolaba				
62.	Malegaon	Nasik				
63.	Taloda	Dhulia				
64.	Bhusawal	Jalgaon				
65.	Khed	Pune				
66.	Man	Satara				
67.	Shirala	Sangli				
68.	Barshitakali	Akola				
69.	Silod	Aurang	abad			
70.	Jintur	! Parbhar				
71.	Ashti	Bhir				
72.	Kinwat	Nanded	ļ			
73.		Osmana	ibad			
74.	_					
75.	-	Amrava	ti			
75.	Deoli	Wardha	1			
	Bhiwapur	Nagpur				
78.	-	Chandra				
B	1 111014		_			
		Blo	cks 1970-71	Series'		
79.	Dindori	Nasik				
80.	Salekasa	Bhanda	га			
81.	Madha	Sholapi				
82.	Delgloor	Nanded				
83.	Yaval	Jalgaon				
84.	Sirur	Pune				
85.	Jamkhed	Ahmed	nagar			
86.	. Patoda	Bhir				
87.	. Mul	Chandi	apur			
88.	. Patur	Akola				

(II) Position as on 1st October 1971

Division	District	, Name	of A. N. P.	Block
1	2	÷	3	·-
			. ▼	•
Bombay	Thana	*Bassein		(1965-66)
•		Palghar		(1967-68)
		*Dahanu	••	(1968-69)
		Mokhada	••	(1969-70)
	Kolaba	*Shriwardhan	••	(1967-68)
		Panvel	• ••	(1968-69)
	•	** Mahad	••	(1969-70)
	Ratnagiri	*Kudal		(1965-66)
		Guhagar		(1967-68)
		*Sawantwadi	• •	(1968-69)
	Nasik	• Nasik	••	(1966-67)
	2 1.2.3.2	Baglan	• •	(1967-68)
		Malegaon		(1969-70)
v	. •	Dindori	••	(1970-71)
	Dhulia	Dhulia	• •	(1965-66)
		Nawapur		(1968-69)
		Taloda ·	• •	(1969-70)
t.	Jalgaon	Chalisgaon	••	(1966-67)
	_	*Raver	• •	(1967-68)
		*Bhusawai	• •	(1969-70)
		Yaval	••	(1970-71)
	Ahmednagar	Akola		(1966-67)
Pune	Allikaniagar	Ahmednagar	••	(1967-68)
	•	Karjat	••	(1968-69)
		Jamkhed	••	(1970-71)
	Satara	*Karad		(1966-67)
•	Salara	Khatav	••	(1968-69)
		Man	••	(1969-70)
		45.01.0		
	Sangli	•Miraj	• •	(1966-67)
		*Tasgaon Shirala	• •	(1968-69)
		Sunair	••	(1969-70)
	Kolhapur	*Shahuwadi .:		(1965-66)
•		*Panhala	• •	(1967-68)
•		Radhanagari	••	(1968-69)
	Sholapur	Sangola		(1967-68)
		Karmala	••••	(1968-69)
i -	=	*Pandharpur	••	(1968-69)
•		Madha	••	(1970-71)
	Pune	*Ambegaon	••	(1965 66)
		*Bhor	••	(1968-69)
		*Khed	••	(1969-70)
		Siru r		(1970-71)

Division	District	Name of A.	. IN. F.		
1 ise di N	LLA Hours Z	Diseil	3	Fixision	
	*	<u> </u>		1	_
Vagpur	· Nagpur .	. *Hingna		(1965-66)	
		*Nagpur		(1967-68)	
	ni - · · ·	*Bhiwapur Garage	.•.•	(1969 -7 0) _{Fr}	
	Amravati	. *Amravati		(1965-66)	
		Chikhalda	• •	(1968-69)	
		Nandgaon	••	, ,	
		Khandeshwar	•••	(1969-70)	
	e esta estador				
	Wardha ,	*Arvi	••	(1965-66)	
		Wardha Deoli	••	(1967-68)	
	1, 10	Deon	••	(1969-70)	
	Yeotmal	. Ghatanji	• •	(1967-68)	
	#12.72 (t 2) 1 €	Pandharkawada	•••	(1968-69)	
		Digras		(1968-69)	
	Chandra	*Brahmapuri		4045.60	
	Chandrapur	*Sindewahi	• •	(1965-66)	
		Aheri	• •	(1968-69) (1969-70)	
	nol niG	*Mul	••	(1970-71)	
				(25.0 12)	
	Bhandara hech	•• *Gondia dans	• •	(1967-68)	
	••	*Paoni	• •	(1968-69)	
		*Amgaon	• •	(1968-69)	
	a section	Salekasa	• •	(1970-71)	
	Buldana 17 4 .	Buldana	• •	(1966-67)	
		Motala	• • •	(1968-69)	
		Sindkheda-Raja	• •	(1969-70)	
	Akola	. Akot		(10/6 /0	
	AROIA	· Murtizapur	• •	(1965-66) (1967-68)	زان
	A SHARE THE PARTY	Washim	••	(1968-69)	•
		Barshi-Takli	•••	(1969-70)	
	• • b b	Patur	• •	(1970-71)	
Aurangabad a	. Aurangabad :	*T-1		(10/6 /0	
radangaoad		*Jalna Buller Soegaon		(1965-66) (1967-68)	
-, ,	N. 1919	*Khuldabad	• •	(1968-69)	
		Silod	••	(1969-70)	•
	De-Lt	and the second		,	
	Parbhani	.: Parbhani	• •	(1965-66)	
	4도 구려진	Basmath Jintur	••	(1967-68)	
			• •	(1969-70)	
	Nanded .	, *Nanded loai		(1966-67)	
	£157 711 *	Hadgaon	••	(1967-68)	
	integration និ	Kinwat	• •	(1969-70)	
		Degloor	- •	(1970-71)	
	Osmanabad 16.1	Share regarder	•	(1966-67)	
	70(*5. 002 ^{0)*}	Bhoom	••	(1968-69)	
	. None . None	*Ahmedpur	•••	(1969-70)	
	Bhir				
	one of the second second	Manjlegaon Bhir	• •	(1968-69)	
	TO SEE SEE	Ashti	• •	(1968-69)	
	Survey Control	Patoda	• •	(1969-70) (1970-71)	
11 -01 11	··· haid	·	• •	(1210-11)	

APPENDIX B (Para 2.2)

Statement showing the list of Districts, Blocks and Villages visited by the Evaluation Committee on Applied Nutrition Programme

Serial No.	Name of Zilla Parishads visited	Name of Applied Nutrition Programme Block visited	Applied Nutrition Programme villages visited	Name of Training and other Institution visited
1	2	3	410.7	5
1	Nagpur	1. Hinga 2. Nagpur 3. Bhiwapur	1. Raipur 1. Ashti 1. Korgaon.	Central Hatchery, Nagpur.
2	Nasik	1. Nasik	 Dari Makhmalabad Chhedi 	· · · · · · · · · · · · · · · · · · ·
F≅¶ 3	Aurangabad			Gram Sevak Training Cen- tre, Jalna and Seed Farm.
4	Amravati	1. Amravati	 Masod. Pimpal Vihar. 	en e
5	Wardha	1. Arvi	1. Pimpal Khutte, 2. Kinhale.	
6	Pune	. 1 Bhor	1. Narsapur	Gram Sevak Training Centre and Seed Farm, Manjri and Central Hat- chery, Poona, All India Radio, Poona.
7	Satara	1. Karad	1. Rethre Khurd	
8	Kolhapur	1. Panhala . 2. Shahuwadi.	. 1. Satave. 1. Amba. 2. Bhambarde.	•
9	Ratnagiri		1. Pat Andurle. 1. Baolat Satoli 2. Amboli.	
10	Sangli	1. Miraj 2. Tasgaon.	 Bedug. Burangwadi. 	
11	Thana	1. Bassein . 2. Dahanu.	2. Pelhar.	Gramsevak Training Centre and Seed Farm, Kosbad.
12	Kolaba		. 1. Shirdhone 2. Borgaon . 1. Dandguri. 2. Bhoste.	Mahad Sahakari Shetkar Dugdh Utpadan Sangh, Mahad (Reg. Dairy).
13	Chandrapur .	1. Sindewahi 2. Mul. 3. Brahampur	 Palasgaon Jat. Maroda. Kurza. 	Gram Sevak Training Centre, Sindewahi.

			_		<u> </u>
Serial No.	Name of Zilla Parishads visited		Name of Applied Nutrition Programme Block visited	Name of Applied Nutrition Programme villages visited	Name of Training and other Institution visited
1	2		3	4	5
14	Bhandara	••	 Pauni Gondia. 3. Amgaon	 Bhuyar. Nilaj. Chargaon. Kudva. Pandharbodi Thana. 	
15	Nanded	••	1. Nanded	 Limgaon. Dhanora. Pokharan. 	•
16	Osmanabad	••	 Ahmedpur Udgir 	 Shirur Tajband Chapoli, Chakur, Hundegulli, 	
17	Sholapur	••	1. Pandharpur	1. Babhulgaon.	**
18	Jalgaon	••	1. Bhuswal 2. Raver.	1. Sunasgaon. 1. Nimbhora Bk.	

APPENDIX " C "

(Para 2.5)

QUESTIONNAIRE

PART I

Questionnaire meant for State|Divisional|District|Taluka level authorities connected with the implementation of the Applied Nutrition Programme

A-Objectives (General and Specific)

- 1. How far has the objective of education and training in Applied Nutrition with a view to improving local diets in the selected villages been achieved?
- 2. Is there adequate consumption of protective and energy producing foods by the vulnerable groups due to the introduction of A.N.P.? If not, what alternative and remedial measures would you suggest?
- 3. Has the production of nutritious foods by adoption of better methods of agriculture, Animal Husbandry and pisciculture increased as a result of A.N.P. ? If not, what suggestion do you offer ?
- 4. Is the participation of the people and voluntary organisations in the programme satisfactory? Or is it lacking? If lacking, what remedies can be resorted to?
- 5. How far have the agency of Mahila Mandal and Youth Club succeeded in bringing about a gradual change in the dietary habits of the rural population?
- 6. How the demonstrations of scientific and proper ways of cooking in obtaining the maximum nutrition from locally available food stuffs been successful?
- 7. Have the villagers started adoption of balanced diet for different age and occupational groups of villages in their day-to-day life by preparing model and economic menus?
- 8. How many feeding programmes for the selected vulnerable group in the selected villages have been arranged by the Village Panchayats and Mahila Mandals out of funds received?
- 9. How far have the villagers in general and women in particular been educated about the evil effects of malnutrition?
- 10. What is the impact of the programme on the people and how is their response to the different aspects of the programme?
- 11. What is the extent of nutritional awareness created by the programme and the benefit accruing thereof to the people? The class of people who have been benefited.
- 12. How far have the targets earmarked for training production and nutrition education been fulfilled?
- 13. Whether expenditure incurred so far on different components is commensurate with the results achieved ?
 - 14. Whether funds spent are adequate?
- 15. Is assistance being availed of for the programme from Government Departments and voluntary institutions? If not, what can be done in the matter?

- 16. How far can the production components stand on their own after the project period when the initial assistance provided to them ceases?
- 17. After the project period, are the concerned Co-ordinating Departments prepared to continue service to these units?
- 18. Will the production aspects be continued by the Panchayat Raj institutions and the associate organisations of women and youth in the villages even after the project period? أراد إراد الرادات
- 19. Whether proper technical guidance is made available from time to time for implementation of the programme?
- 20. Do you consider that the vehicle and the various equipments supplied by the UNICEF are being usefully employed for promoting the Applied Nutrition Programme? If not, how best they could be so employed to derive the maximum advantage as envisaged under the programme?
- 21. What are the recommendations to secure more effective implementation of the programme 3: monthly but the constraint of the c

Various Components as per Plan of Operations

- 1. Have ten school and community gardens been established in the selected Blocks?
- 2. Are irrigation facilities available in these gardens?

, to , ...

1. × 1

- 3. Is the production of vegetables and fruits continuous and constant throughout the in a company of the control of the c
- 4. How the difficulties of securing land and providing irrigation facilities in some villages were overcome ? It is a second to the second
 - 5. In how many villages this difficulty still exists?
- 6. How far has the primary purpose of education and extension through these gardens been achieved?
- 7. In how many gardens improved varieties of fruit and vegetables of high nutritive value are being grown?
- 8. Are better methods of cultivation practised and improved tools used in setting up and rearing these gardens of the state of th
- 9. Are the school gardens tended and maintained by the school children under the supervision and guidance of a trained teacher?
- 10. How far the members of youth club have associated themselves with the development and maintenance of school and/or community gardens?
- 11. Is the requisite produce from these gardens being regularly supplied to the school children ? The many of a resident of any target and the many of the many of the contract of th
- 12. How far have the school children and rural women folk became accustomed to the 12. How far have the school enforcement and so fits preparation and cooking?
- 13. Ha; the Agriculture Department prescribed general basis of cropping pattern for the A. N. P. gardens? How far has it been adopted and practised? 14. Has timely supply of seeds and fertilisers been received?
- 15. Has the A. N. P. Seed Farm attached to the Block pre-planned their requirements and adequately met the actual requirements of seeds and seedlings?
- 16. Was the requisite type of seeds and seedlings supplied by the A. N. P. Seed Farms or not? Do these Seed Farms fully meet the blocks seed requirements or not?

- 17.: Have school children and members of Mahila Mandals taken up kitchen gardening for producing fruit and vegetables?
- 18. How many such gardens have been set up in the Block and have they been supplied with seeds, fertilisers, insecticides free of cost or not?
- 19. Are the villagers responding well to the kitchen garden programme and is it popular or not?
- 20. Have Community gardens been set up in the Block in all 10 selected villages with a suitable area upto 4 acres ?
- 21. Are they being established by the V. P. and cultivated by voluntary labour or hired labour?
- 22. Do the Pauchayats contribute 50 per cent of the produce for educational feeding programmes or not?
- 23. Have these gardens become self-supporting and are in a position to continue production of vegetables, legumes, pulses, etc., after the project period?
- 24. Are the garden tools supplied by UNICFF being regularly used and popular too? If not, the reasons thereof.
- 25. What other garden tools are recommended for being supplied in lieu of or in addition to those already supplied by UNICEF?
- 26. Is the expenditure on starting and maintaining the school and community garders commensurate with the expenditure incurred and being incurred on them every year? If not, what are the suggestions to make these units more effective and economically viable?

C-Poultry

- 1. Has the revised poultry scheme for Tribal and Community Development Blocks been well received by the villagers and has become popular or not?
 - 2. If not, is there further scope for improving it? Please give specific suggestions.
 - 3. Are birds supplied by the nearest Central Hatchery healthy and in time too?
- 4. Is there heavy mortality of birds immediately after supply or due to improper and i nadequate feeding of birds?
- 5. Have the poultry units thus set become self-sustaining and economically viablet? If not, give reasons and suggest improvement.
- 6. Is the prescribed quota of eggs being donated by the poultry beneficiaries for the educational feeding programmes or not? If not, the reasons thereof.
 - 7. Are there marketing facilities for sale of surplus eggs?
- 8. Is the poultry mash being timely and regularly supplied by the Central Hatchery concerned?
- 9. Are adequate medical facilities available to the birds and is the required medicine timely available in the Block?
- 10. Does the extension officer (Animal Husbandry) devote sufficient attention to the poultry activity under A. N. P. ?
 - 11. What are the facilities provided for hatching of eggs and continuing the poultry unit?
- 12. Has the poultry equipment, like incubators, brooders, etc., supplied by UNICEF put to use by the Blocks?
- 13. If not, what is the alternative equipment proposed to be supplied in lieu of the one supplied by the UIVICEF?

- 14. Are the villagers enthusiastic about the poultry development and do they display sufficient interest in running the activity?
 - 15. Suggestions, if any, for successfully running the poultry with profit.

D-Pisciculture

- 1. How far has the production of fish increased as a result of assistance provided to Fishermen's Co-operative Societies in Bassein and Brahmapuri Blocks?
- 2. Is the expected increased production being marketed and distributed in the rural areas of these Blocks ?
- 3. Has the full equipment like engines, nylon nets, etc., to be supplied by UNICEF for 'development of fishery been supplied or not?
- 4. Is this equipment found useful or not? If not, what alternative and additional equipment is required?
- 5. What arrangements have been made for its maintenance and repairs? Are spare parts easily available?
- 6. Has the training given to selected fisher youths in improved methods of fishing and utilisation of catch, etc., been useful or not? How far is it being put in practice?
 - 7. Is there any follow-up of this training?
- 8. Have the selected Fishermen's Co-operative Societies provided free of charge the agreed proportion of the edible fish for the supplementary feeding in the A. N. P. villages? If not, what steps are proposed to be taken for fulfilling this target?
- 9. Has gradual expansion of fishery development programme (coastal and inland) been undertaken or not?
 - 10. Has the consumption of fish in the surrounding areas increased as a result of A. N. P?
 - 11. Have fish storage facilities been provided or not?
 - 12. If so, is it being fully utilised by the fishermen?
 - 13. Will consumption of fish by the villagers continue after the project period?
- 14. Is the loan amount given to fishermen's co-operative societies being recovered with interest or not? Is there any default on this account?
 - 15. Is the produce from these projects commensurate with the expenditure incurred ?
- •16. Will the construction of ice factory at the site of coastal Fishery Block be an asset to the A. N. P. ?
 - •17. Will it be an economically able unit?
- *18. Has the equipment supplied by UNICEF so far for ice factory been sufficiently useful?
 - *19. Is the capacity of ice and fish storage being fully utilised?
- Note.-*16 to *19 only meant for coastal Fishery Block.

E-Training

- 1. How far has the training and orientation of different categories of functionaries been effective?
- 2. Has this trained personnel been assisting the villagers to develop a programme of increasing production of nutritionally valuable foods as well as improved food preparation by use of locally available foods of high nutritive value?
- 3. Is the duration of training quite adequate for each category of trainee? Should it be increased or decreased?
 - 4. Is it necessary to recast the training syllabi of various courses?
 - 5. Has there been concurrent and systematic follow-up of the training programmes?
- 6. Is it necessary to organise seminars to secure support and encouragement to the programme at the ground level to cover large section of the population which cannot be given institutional training? Do you consider that peripatetic training courses at village level would be useful?
 - 7. Is it necessary to develop radio support for the A. N. P.?
- *8. How the continuous and consistent flow of information and material for A. N. P. broadcasts has been ensured?
 - *9. Is there extension and demonstration follow-up of these broadcasts?
 - *10. Is it necessary to evolve a particular methodology for A. N. broadcasts?
 - *11. Is there organised listening of A. N. broadcasts in the rural areas?
 - *12. Have women's listening clubs been organised in the selected Blocks?
- *13. For assured listening of programmes have transistor sets been supplied to the listening groups ?
- 14. Has the production of educational and publicity material to support A. N. P. been properly planned and distributed?

Note.—*8 to *13 wherever applicable.

PART II

Evaluation Schedule for Applied Nutrition Programme QUESTIONNAIRE FOR VILLAGE

	QUESTIONNAIRE F	
	(To be filled t	ur en El pelitado per en el celore. By BDO) de la como la celore de
		Date of Visit:
		Name of Investigator:
1.	Village:	2. Block:
	er en	Distance (Km.)
3.	District	4. Distance (Km.):
5.	Population—	Adult Children Total
	_	Male Female
6.	Communication—	
	Is it connected by road to Block Head- quarter?	. ,
	District $\frac{1}{2} \times \frac{2}{3} \frac{1}{3} \times \frac{1}{$	
	Primary Health Centre:	
7.	Nearest Market:	Distance:
8.	Main occupation of the Villagers: Others:	Cultivators/Agriculture/Labour/Industrial
9.	institutions in the vinage—	Students on Roll Average daily
. 4	(a) Primary School:	attendance
((b) Secondary School:	
	(c) Gram Panchayat:	
((d) Mahila Mandal :	
((e) Yuvak Mandal:	
((f) Co-operative Society:	
((g) Dispensary:	Allopathic/Ayurvedic/P. H.C./S.C /Veterinary.
((h) Others (Specify):	, coolinary.
10	Date from which the ANP started:	
11.	Production Programme—	
•	11.1.1. Horticulture—	
	No. of Kitchen gardens established:	

11.1.1.1. Vegetable grown varieties:11.1.1.2. Fruits grown varieties:

11.1.2. School Gardens-

Area of the Garden (in Hectares): 11.1.2.1. Implements used: UNICEF: 11.1.2.2. Particulars of the inputs used for development of school gardens-Item Source ... (1) Seed (2) Fertilizers: Whether used or not 10 1 ME 13 (3) Insecticides Used or not? (4) Source of water-supply for gardens and the state of t . Well: ... Others : " Is it all the year round supply? If not how long it lasts? (5) Wherefrom technical guidance is received? --- 951 ... (6) Production in last two years-G.L.V. Ouantity Fruits: Vegetables: Others: (A) Are they any trained personnel to manage? I show a manufacture (B) Are there arrangements for pre-servation of vegetable and other produce? Yes/No. (C) If yes, please specify in detail the arrangements existing. (D) Are there trained persons to look after the job? : 5300. State difficulties if any and suggest remedies to overcome them? 100000 11.2.1. Community Garden the assault of surgers 11.2.1.1. Area (in hectares): Land : Donated/Acquired. 11.2.1.2. Fencing type: 11.2.1.3. Well: Provided or not/other source. Whether at water supply is all the year round: 11.2.1.4. Pump—Electric/Oil: 7 1 36276, 6416 en 3 % 9 5. 11.2.1.5. Repairs facilities in case of breakdown of Where: Distance. 11.2.1.6. Management of the Gardens: Gram Panchayat/Co-operative Society/Youth Clubs etc.(

1st Year 2nd Year

G.L.V. (Kg)

Legumes

Fruits:

Others:

- 11.2.1.8. Quantity of produce supplied for Demonstration Feeding Programme:
- 11.2.1.9. Does the garden give returns commensurate with the expenditure?

If not, how the deficit is met?

11.2.1.10. Who gives technical guidance?

How often ?

- 11.2.1.11. Have new practices of cultivation been adopted ? If yes specify (where applicable).
- 11.3.1. Poultry Programme-
- 11.3.1.1. Individual poultry breeders: No. of Birds:

Desi/Improved variety:

11.3.1.2. Poultry keepers on community basis of village panchayat:

No. of Birds:

Desi/Improved variety:

- 11.3.1.3. No. of total birds before introduction of ANP/After ANP:
- 11.3.1.4. Type of system adopted by poultry breeders (Numbers)—
- 11.3.1.4.1. Deep Litter:
- 11.3.1.4.2. Semi free range:
- 11.3.1.4.3. Free range:
- 11.3.1.4.4. Type of poultry house used—
- 11.3.1.4.5. Approved type:

Others (Specify):

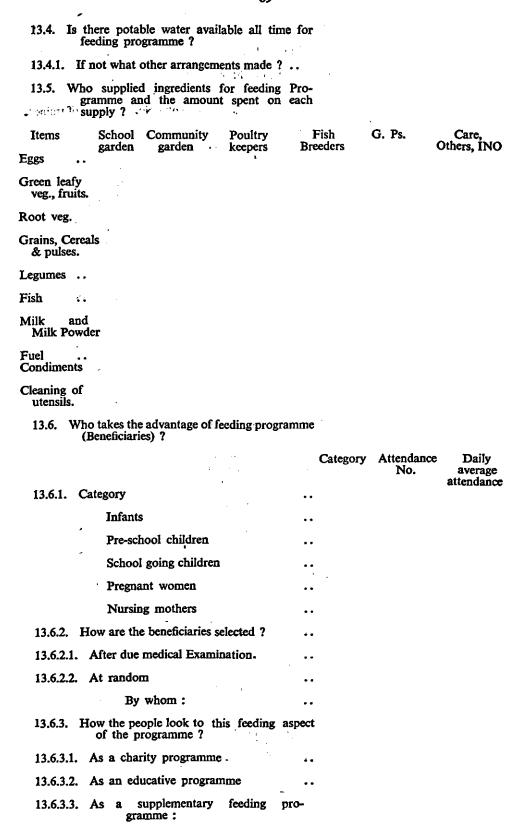
- 11.3.5. Are modern equipments used for feeding and watering?
- 11.3.6. Whether UNICEF equipment like incubators, brooders etc. put to use?
- 11.3.7. Have the poultry keepers been trained in that technique:
- 11.3.8. Sources of obtaining birds-

- 11.3.8.1. From Central Hatchery:
- 11.3.8.2. From other sources (specify):
- 11.3.9. Is the prescribed type of mash given for feed?
- 11.3.9.1. If not, what type of feed is given (details):
- 11.3.10. Supervision and guidance:-
- 11.3.10.1. Available from E.O.A.H. (Block) (How often).
- 11.3.10.2. Available from D. A. H. O. (How often):
- 11.3.11. Disposal of Eggs-
- 11.3.11.1. No. of the eggs obtained per month:
- 11.3.11.2. No. of the eggs given free for feeding Programme:
- 11.3.11.3. No. of eggs consumed in village:
- 11.3.11.4. No. of eggs sold and amount realised:
- 11.3.11.5. Nearest market for sale of eggs:
- 11.3.12. Is the poultry keeper economically helped through this programme:
- 11.3.12.1. If not what is amount of loss:
- 11.3.12.2. What was the amount of mortality in the birds:
- 11.3.12.3. What were the different causes:
- 11.3.12.4. How early it was reported to the BDO or his subordinates:
- 11.3.12.5. How early the report was attended to:
 - (i) Whether Government loan was taken for the poultry Programme. State the amount.
 - (ii) Is it being repaid regularly?
 - (iii) If not the reasons therefor:
- 12. (A) Pisciculture (where applicable)

Inland fisheries.—

- 12.1. How many tanks are available in ANP villages?
- 12.2. How many utilised for fish culture ?
- 12.3. What variety of fish is grown?
- 12.4. Is there fishermen Co-operative Society?
- 12.5, Who gives technical guidance?
- 12.6. How often it is received? ...
- 12.7. What is the catch in the last two years ?
 H 4605-7

12.8. What quantum was given for free Demonstration Feeding Programme?
12.9. What quantity was sold?
12.10. Was there any economic gain?
12.11. (b) Marine fisheries
12.11.1. Who conducts the Programme?
Co-op. Society
Department:
12.11.2. What is the average quantity of yearly catch?
12.11.3. How much was given for feeding programme (during the year in Kgs)?
12.11.4. How is the surplus disposed of:
12.11.5. Percentage preserved/sold
State difficulties if any and suggest remedies to the Committee.
12.12. How far is the nearest market:
12.13. Is the fisherman in economic gain?
e per sugar
Feeding Programme—
13.1. Is the demonstration feeding programme carried out in the village:
13.1.1. How often in a week: and for how many weeks during the year?
13.1.2. Who conducts the Programme?
13.1.2.1. Gram Panchayat :
13.1.2.2. Mahila Mandal
13.1.2.3. Other agency (specify)
13.2. Where the feeding programme is conducted?
13.2.1. Is the community kitchen specially constructed?
13.2.2. Other places (specify)
13.2.3. Have utensils and other equipments been supplied and put to use regularly?
13.3. Who prepares the recipe menu?
13.3.1. Lady primary school teacher
13.3.2. Gramsevika/Mukhya Sevika
13.3.3. Members of Mahila Mandal
13.3.4. Combined (all above)



- 14. Nutrition Education and Training-14.1. Is the School teacher trained in ANP? 14.2. How many of the following categories have received ANP training? No. of trained. Total No. (a) Mukhya Scvika (b) Gramsevak (c) Gramsevika (d) Sarpanch of Gram Panchayat (e) Members of Gram Panchayat (f) Secretary of the Gram Panchayat (g) Members of Mahila Mandals (h) Poultry keepers (i) Fisherman (k) School teachers (1) Youth club members 14.3. Out of the various categories trained how many categorywise are taking active part in the implementation of ANP? 14.4. Has there been noticed any change in the habits of those already trained? 14.5. What other extension methods are adopted in order to advance the knowledge of nutrition by those who are already trained? 14.6. What is the general reaction of the villagers towards the programme? 15. General— 15.1. Attitude of the villagers towards ANP favourable/and appethetic, if so why? 15.2. What are the chances of programme (wherever has been started) being continued by the villagers out of their own resources once the Government aid is withdrawn? 15.3. Has the dietary survey been conducted with the aid of the Nutrition Section ? 15.4. Has the extent and quality of malnutrition defined through Nutritional assessment by
 - 15.6. Has the programme introduced any change in the dictary habits of the people after the implementation of the programme?

15.5. Is there any change (However slight) being noticed in the health status and hygiene

habits of the people after the implementation

Health Department Staff?

of the programme?

- 15.7. Have any non-ANP villages approached the BDO for starting this programme on voluntary basis?
- 15.8. Out of the officials trained in ANP how many are on that job at present?
- 15.9. How many transferred to other ANP Blocks?
- 15.10. How many came on transfer already trained in ANP from other Blocks?
- 15.11. Was the selection of the village as per criteria laid down for selection of villages?

 If not, how much it has deviated from the criteria?
- 15.12. What is the extent of supervision by the institution i/c of supervision?
- 15.13. Has any problem been referred for research?

 If so, when?
- 15.13.1. If yes, what is the problem? (any field of ANP)
- 15.13.2. Has the result of research been received and communicated to the villagers and Government? If so, how and when?
- 15.14. Have all the villages selected from beginning of the programme continued or any one of these had to be changed?
- 15.14.1. If change was necessary reasons for the change for each village.
- 15.15. Is the follow-up of the programme being done at regular intervals?
 - (a) With reference to the trained personnel:
 - (b) With reference to the beneficiaries by keeping charts about their health statistics viz. height, weight, measurements etc.:

n PART III

FAMILY QUESTIONNAIRE

(To be filled in by the BDO or Mukliya Sewika)

Date of	visit:			Mall Blacks	Table 0: 57%	ell-red
Name o	of BDO/M	iukhya S	Sewika:	ल्ला _{सार्थ} है।	G 1518/150 - 10	sms»
1. V	Village		Block		Taluka	District
2. Na	me of the	Head of	f the family	กุรมิส		
3. Oc	cupation :	•	r	$\mathbf{f}_{\mathbf{f}}$. $\mathbf{f}_{\mathbf{f}}$		
	_		in the fami	ly :		
				· · · · · · · · · · · · · · · · · · ·		
Name	Age	Sex	Education:	. Relation t Head of Fai		on Monthly Remarks
				 5 11/-	°	<u> </u>
1.						
2.						
3.						
4.						
5.						
6.						
		<u>:</u>				
5.1. I	Have you	heard al	out ANP,	its aims and	objectives ?	to the transfer
5.2. I	Dietary H	abits—V	egetarian/l		ian/Egg eaters	
6. Ha	ave you a	ny poul	try birds ?	2 1440 - 5 £ 4 - 1 1729 - 21	operation of the second	ing the second s
			Total	De	si	Improved variety
6.1.	How do yo methods.	u house	the poultry	?—Deep lit	ter/Free range	/Semi free range/any oth
6.2.	What feed	do you g	ive ?Mas	h purchased	/grains from h	ouseand whatever availab
						duced in the village?
			o you get p			3-1-3-1
			consumed a			
					ng programme	. າ
6.4.2.	How ma					of eggs (per doz.)
		_		er week fron		or eggs (het goz.)
				you sell you	_	
V.T.T.	44 TICIL I	a riie iili	erace where			
				Distance	How of	ten ?

6.4.5. Do you think eggs do good to the health of your family?
6.4.6. Where from do you obtain advise in poultry matters?
7.1. Have you a kitchen garden?
7.2. What is the area?
8.1. Source of irrigation for the garden?
8.2. Wherefrom do you obtain seed? (UNICEF) seed packets/other firms).
8.3. Wherefrom do you get fertilisers?
8.4. Wherefrom do you get your insecticides?
8.5. Wherefrom do you get technical advice?
8.6. Are you or any household member trained in ANP?
8.7. Do you take interest in School/Community garden activities?
8.8. What type of vegetables you plant in your kitchen garden ? G. L. V./Fruits/(Varieties)
8.9. How often do you use the product?
8.10. Do you contribute to free feeding programme in the village ? In what way ? (Labour/Donation/Cash/Kind) Or sell the produce.
8.11. Are you on any body in the village like Gram Panchayat/Panchayat Samiti or Zilla Parishad?
8.12. Is any member of your family working in Mahila Mandal or Youth Club?
8.12. Is any member of your family working in Mahila Mandal or Youth Club? 8.13. If yes, in what way?
8.14. How often do you purchase vegetables from the market in addition to your own produce in the kitchen garden?
8.15. Quantity purchased: Fruits
8.16. Do you thinks that vegetable and fruits are good for health?
8.17.1. Do you take vegetables in raw state (salad)?
8.17.2. Do you take fruits in raw state? Specify:
9.0.0. Pisciculture—
9.1. Have you a tank of your own?
9.1.1. Do you eat fish?
9-1-1-1. If yes, how many times a week?
10. Where from do you obtain fish?
Feeding Programme—
11.1. How many members of your family take advantage of feeding programme?
Children No. How often

Pregnant women
Nursing mothers

- 11.1.1. If not have you any objection and why?
- 11.2. Do you help in the feeding programme?
- 11.2.1. Does any of your family members help in the feeding programme?
- 11.3. In what way do you help in the feeding programme?
- 11.3.1. By donating in cash?
- 11.3.2. By giving grains etc.
- 11.3.3. In any other way (specify):
- 11.3.4. By taking part in cooking?
- 11.4.1 Do you think that it is a charity feeding
- 11.4.2. Do you think it as an educational feeding programme?
- 11.4.3. Do you think it is doing good to the beneficiaries?
- 11.4.4. If not what do you think should be done to improve this feeding programme?
- 11.5.1. Have you at any time visited the community kitchen where the feeding programme was in progress?
- 11.5.2. What is your opinion about it?
- 11.6.1. Has any member of your family taken part in the feeding programme? If so, has he/she shown any keenness to include any of those items demonstrated there in the household meals?
- 11.6.2. Has any change in the cooking practices been brought about by your family members after having attended the feeding programme? If not what are the difficulties?
- 12. Training-
- 12.1. Have you received any training in ANP/Poultry/Pisciculture?
- 12.1.1 Has any other member of your family received any training?
- 12.1.2. If yes, how do you utilise the training?
- 12.2. Have your neighbours followed you in your eating habits?
- 12.2.1 Has anyone contacted you and talked to you on ANP?
- 12.2.2. How many of you have attended the ANP shibir?
- 12.2.3. How many of you have seen the film on ANP?
- 12.3. How do you preserve your vegetables and fruits ? (Drying/Salting/Pickling/Jams/any other method) (specify).
- 12.4. How do you cook your food ? (Boiling/frying/Ra asting/steaming/Baking/Other (specify).
- 12.5. What improved methods of cooking you have adopted after the programme was implemented in your area?

General Difficulties

13. If any in implementing dietary changes necessary for balanced diet and suggestions if any,

PART IV ...

EVALUATION QUESTIONNAIRE FOR APPLIED NUTRITION PROGRAMME TRAINED EXTENSION WORKERS

(Mainly meant for ground level functionaries viz Sarpanch, Upsarpanch, Primary Teacher, Gramsevak/Gramsevika, Assistant Gramsevak/Gramsevika)

(The Items covered by reply should be tick marked)

1. Name of worker:

Age

Years

Education: No/Primary/High School/College/Professional 200757

Occupation: Service/Agriculture/other ce: Village Ta

and the second

2. Place of residence:

Taluka

District

3. From what level are you doing the work of the Applied Nutrition Programme? The Martin Market and the second section of the sect

Youth Club Member/Mahila Mandal Member/Member of Gram Panchayat/ Upasarpanch/Sarpanch/Primary Teacher Gramsevak / Gram-sevika / Extension Officer.

4. Are you trained in Applied Nutrition? If so, when and in which institution? 10 1 10 2 0 1

on the sale of the contract of the sale of

Yes/No. Give name of Institution.

- 5. Since when the Applied Nutrition Programme has started in your village?
- 6. Which work do you like out of Production/Distribution. production and distribution under the ANP?
- Extension Method you (a) Personal contact. 7. Which follow while imparting knowledge of ANP to the people?

Salard Control of the

and the second attention to Committee

Control of the Contro

(b) Group discussion.

- (c) Meetings.
- (d) Seminar.
- (e) Exhibitions.
- (f) Demonstrations.
- (g) Shibirs.
- (h) Other methods.

(e.g. - entertainment programmes Bhajans, filmshows etc.)

8. When and how much time you spend Indicate hours per day. for ANP work?

..... days in a week etc.

taken up in your village?

9. Which components under ANP are Community garden/school garden/kitchen garden/demonstration feeding centre/ ANP distribution centre/Poultry/Pisci-culture. 54

- 10. What efforts do you put in to make the school and community garden self- // supporting?
- 10. (a) In which programme (referred to above) do you take part? In what manner? (e.g. propaganda, work by calling the people, by actual participation, by obtaining the equipment materials etc.)

- (b) Which programme people like most?
- (c) Whether it is necessary to modify the programme?
- Garden/School 11. Village (Community) Garden/Kitchen Garden-Paragraphic
 - (a) Which plants you are cultivating? (1) Drumstick (Shevaga).

 - (2) Hadga (Agastha).

10.31

- (3) Suran.
- (4) Papayya. 71 61 L.
- (5) Guava.
- (6) Chiku
- (7) Mango.
- ត់ស្ពៃក្នុស្សម៉ឺ ដូលរា សម្មស ខណៈស្រួស ដូលរបស់ ១១ភ (8) Green leafy vegetables (write the names)
- (9) Creeper vegetables (write the names).
- (10) Root vegetables (write the names). named autority of all the color
- (11) Beans and pulses (write the names).
- பூருக் உரவ்பு, கூட் விக்கிக் கொடி (12) Other vegetables and fruits (write the names).
- (b) From which place do you obtain seeds, seedlings and grafts for your garden?
- (c) Which demonstrations have you taken (1) Plantation in your garden?

 - (2) Application of fertilisers.
 - (3) Spray of medicines,
 - (4) Demonstration of crops.
 - (5) Other (write the names),
- (d) For whom these demonstrations were organised? (e.g. Mahilas, students, farmers etc.).

过分的 医野龙科

(e) How many persons participated in these demonstrations?

- (For Mahila Mandal Workers)
- (f) Whether one-day ANP Shibirs were Yes/No, organised in your village? If so when? How many participated in it? In what way it was advantageous in the context of ANP?
- (g) Whether the local institutions/Mahila Yes/No. and youth Mandals are participating actively in the Production and Demonstration Programmes under the ANP?
- (h) If not, what remedial measures should be undertaken?

SHIP

- (i) Whether any change in dietary habits is Yes/No. noticed at village level due to demonstrations under A.N.P.? If so, give percentage of families in which this change is noticed.
 - (j) Give in short your suggestions for maintaining enthusiasm and co-operation in the rural area for this scheme.
- (m) For what section of the community you held these demonstrations?
 - 12. Poultry/Pisciculture—

Wherefrom do your get guidance from time to time in this behalf?

- 12. (a) What is your opinion about success or otherwise of Poultry Programme ?: ...
- (b) What is your opinion about revised Poultry Scheme under A.N.P.?
- 13. Applied Nutrition Programme: Demonstration Centre—
 - (a) Wherefrom do you secure material (vegetables eggs etc.) for demonstrations?
 - (b) Who incurs the expenditure on account of oil, fuel etc. required for demonstrations?
 - (c) During last 3 months how many and which practical demonstrations were organised?
 - (d) Which educational methods were practised for the same?
- were (1) Wall posters.
 - (2) Charts.
 - (3) Blackboard and chalk.
 - (4) Flannel graphs.
 - (5) Flash cards.
 - (6) Circulars.
 - (7) Booklets,
 - (8) News-boards.
 - (9) Discussions,
 - (10) Seminars,
 - (11) Film shows,
 - (12) Other?
- 14. A. N. P. Demonstration centre (feeding Programme)—
 - (a) For how many days in a week this centre works in your village?
 - (b) How many children are benefited?
 - (c) How many pregnant and nursing mothers are benefited?
 - (d) Which items are served by the Centre?

15. For effective implementation of A.N.P. some methods have been suggested. Give priority to them as per your requirement and requirements of the scheme.

(Please indicate the number of the method in the square.)

- (a) More number of persons should be trained.
- (b) Sufficient availability of seeds, equipment, material etc.
- (c) In relation to my work, supply of latest literature on the subject should be ensured for proper guidance.
- (d) Occasional Shibirs for trained personnel and field workers are necessary.
 - (e) Other suggestions, if any
- 16. Do you feel that the training given to Yes/No. you is adequate? If not, what should be the duration of training.
- 17. Out of the subjects taught to you, on what subject you feel that more infomation should be given to the trainees?
- 18. Indicate the manner in which you derive at your home the benefit you got due to A.N.P. training.
- 19. Do you find that the health of children/women has improved due to Demonstration Feeding Programme under A.N.P.?

(Para 4.3)

(I) Statement showing the progress of training under Applied Nutrition Programme since inception upto 31st March 1971 (Compiled on the basis of the reports from Training Centres and the Director of Fisheries Maharashtra, Bombay).

Serial No.	Name of the Training Centre.		Block Development Officers	Extension Officers.	Gram Sevaks	Primary School Teachers	Youth Club Members	Sarpanchas and Member of Panchayat Samitis.	Total
1	Gramsevak Training Centre, Manjri	***	9	91	125	183	700	,,,,	1,108
2	Gramsevak Training Centre, Kosbad		3	58	83 、	169	<i>7</i> 97	60	1,170
3	Gramsevak Training Centre, Jalna		2	86	115	140	364	38	745
4	Gramsevak Training Centre, Kolhapur	••	4	52	81	129	396	70	732
5	Gramsevak Training Centre, Amravati	••	6	79	120	116	363	99	785
6	Gramsevak Training Centre, Sindewahi	• •			— Informat	ion not receive	ed		
.7	Gramsevak Training Centre, Buldana	••	2	54	67	100	209	30	462
8	Gramsevak Training Centre, Parbhani	• •	6	54	101	127	431	36	755
9	Gramsevak Training Centre, Gargoti	• •		54	72	76	289	38	529
10	Public Health Institute, Nagpur	••-	73	****	****	••••	****	·	73
	Total		105	528	764	1,040	3,551	371	6,359

_					Mukhya Sevika	Gram Sevika	Primar School Teacher	Manda
(II) A	. Gramsevik	a Training	Centre M	[aniri	35	146	142	1,159
	. Gramsevik					Information		=
C		_	-			·	not lece	aveu. € 226
•	. Giaili bai	MIKSHA KC	iluia, Ros	vau	•••	• • • • • • • • • • • • • • • • • • • •	•	. No. of
	•		1			7,		Poultry
JII))		!					keepers trained.
Α	. Central Ha	tchery, Au	rangabad	4.4	17 N	•	• •	867
В	. Central Ha	tchery, Kir	k ce, (P ane	e)				438
C	. Central Ha	tchery, Ko	lhapur	••	• •			627
D	. Central Ha	tchery, Na	gpur					1,096
					.•	To:	al	3,028
	÷				•• •	· (-	**
17	· ·						.]	No. of Fisher yout trained
1.	="	aining Cent	tre. Rassei	n. Distri	ct Thans		•	53
2.	Fisheries Tr	-	1 1		_	••	. ••	. 11
	Fisher Yout					noramme of	Magnum	25
	and Drahme	puri, distri	ct Chandi	apur.	dumon in	ogrannine at	Ivagput	: · · · · · · · · · · ·
	and Diamin						C.1	
4.	Fisher Yout	hs trained	under Ap	plied Nu	itrition Pro	gramme at (Junagar,	. 23
4.	Fisher Yout district Rate /) Progress of	hs trained hagiri.	ince incep	tion of A	volied Nuti	Tot	al	112
4.	Fisher Yout district Rate (1) Progress of 3	hs trained nagiri. training s st March	ince incep	tion of A he Publ	pplied Nutic Health	Tot	mme tra gpur N tra	ining upto o. of personained sincenception o
4.	Fisher Yout district Rate (1) Progress of 3	hs trained nagiri. training s st March	ince incep 1971 at 1	tion of A he Publ	pplied Nutic Health	Tot	mme tra gpur N tra	ining upto o. of person ined since nception of aining upto
4.	Fisher Yout district Rate /) Progress of 3 1 Instructors fi	hs trained hagiri. training s st March	ince incept 1971 at i	tion of A he Publ f function	polied Nutic Health I	Tot rition Progra Institute, Na	mme tra gpur N tra in tr 3	ining upto o. of person ined since nception o aining upto 1st March
4. (I	Fisher Yout district Rate (1) Progress of 3	hs trained hagiri. training s st March Commonwealth	ince incept 1971 at i	tion of A he Publ f function	polied Nutic Health I	Tot rition Progra Institute, Na	mme tra gpur N tra in tr 3	ining upto o. of person ined since nception o aining upto 1st March 1971
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4. (I	Fisher Yout district Rate (1) Progress of 3. Instructors for Instructors of District Leve Deputy Com Presidents, Cof Panchay	training s st March Tom Grams f Non-Gra I Officers missioners hief Execu	ince incep 1971 at t ategory o sevak Trai m Sevak T (Developi tive Office	rion of A he Publ f function ning Cer raining nent) ers of Zi	naries ntre other t	rition Progra Institute, Na han Public I I their Princi	nmme tra gpur N tra in tr 3 Iealth pals	ining upto o. of personatined since neeption of aining upto 1st March 1971 29 32 193 3
4. (I	Fisher Yout district Rate district Rate of Progress of July 1 and	training s st March Tom Grams f Non-Gra l Officers missioners hief Execut at Samitis Training	ategory of the Sevak Train Sevak Train (Development of the Office Institutes	rion of A he Publ f function ning Cer raining nent) ers of Zi	naries ntre other t	rition Progra Institute, Na han Public I I their Princi	nal name tra gpur N tra ji tr 3 Iealth pals rman lture)	ining upto o. of personatined since neeption of aining upto 1st March 1971 29 32 193 3 139
1 2 3 4 5 6	Fisher Yout district Rate district Rate (1) Progress of 3. Instructors for Instructors of District Leve Deputy Com Presidents, Cof Panchay Principals of and Region	training s st March Tom Grams f Non-Gra I Officers missioners hief Executat Samitis Training bal Lady P	ategory of the Control of the Contro	ning Cerraining nent) pres of Zi Develop Craining	in Health In the Interest and I	han Public I I their Princi	nal name tra gpur N tra in tr 3 Iealth pals rman lture)	ining upto o. of personatined since neeption of aining upto 1st March 1971 29 32 193 3 139
1 2 3 4 5 6 7	Fisher Yout district Rate district Rate of Progress of July 1 and	training s st March training s st March Tom Grams f Non-Gra l Officers missioners hief Executat Samitis Training s al Lady P se Midwive	ategory o evak Trai m Sevak T (Developi tive Office Institutes roject Offices and Nu	ning Cerraining ment) ars of Zi Develop cers	in Applied Nutrice Health I	han Public I their Princi	Iture)	ining upto o. of personatined since onception of aining upto 1st March 1971 29 32 193 3 139 17 428
1 2 3 4 5 6 7 8	Fisher Yout district Rate district Rate district Rate district Rate district Rate district Rate district Solution of Particle of Panchay Principals of and Region Auxilary Numbedical Office	training s st March training s st March Com Grams f Non-Gra l Officers missioners hief Execu at Samitis Training hal Lady P se Midwive ters in-cha	ategory o evak Trai m Sevak T (Developi tive Office Institutes roject Offices and Nu	ning Cerraining ment) ars of Zi Develop cers	in Applied Nutrice Health I	han Public I their Princi	Iture)	ining upto o. of person ined since nception o aining upto 1st March 1971 29 32 193 3 139 17 428
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4. eria No 1 2 3 4 5 6 7 8	Instructors of Instructors of Instructors of District Leve Deputy Com. Presidents, Cof Panchay Principals of and Region Auxilary Num Medical Offic Visitors Public Health Instructors i School Technologists	training s st March training s st March com Grams f Non-Gra l Officers missioners hief Execu at Samitis Training loal Lady P see Midwive cers in-chain n Nurses n Agricult achers	ategory of a sevak Train Sevak	ning Cerraining Cerrai	inaries Intro other to Centres and Imment Office vives and Sah Centres, Imment Centres, Immediately Centres, Immediatel	han Public I I their Princi ds and Chair ers (Horticu anitary Inspe	mme tra gpur N tra in tr 3 Health pals Iture) ectors ealth	ining upto o. of person ined since nception o. aining upto 1st March 1971 29 32 193 3 139 17 428

APPENDIX E

(Para 4.20 and 14.2)

Programme Achievement

PROGRESS OF ANP SINCE INCEPTION TILL MARCH 1971

(Complied by Bureau of Econ. and Statistics, Maharashtra, Bombay on the basis of the reports received from A.N.P. Blocks).

1. di 1. m.	of a Character for the 1	in the		•	
ITEMS	n and phone of the Arthur An	•			
L. Co	verage on the factor	. 1	.;	1	
· i.	No. of blocks allotted	**	••	••	88
2.	No. of blocks taken up	••	••,	••	88
3. C. i. 3.	No. of villages taken up (appr	roximately)	••	••	880
II. ·· Ho	rticulture	• •			
1.	School/Community gardens t	aken up (No	.)	••	1,312\
. 2.	Area covered under school ga	rdens	••	••	1,160 hectares
. 3.	Kitchen gardens taken up (No	0.)	••		35,956 ome of these gar- dens are seasonal)
III. Po	•	· · ·			,
, Po	ultry village units taken up	f ,	••	••	1,968
IV. Pis	ciculture				,
	Fishery blocks units set up (o	ne inland a	nd 3 coasta	l)	_ 4
1. 1. 2.	Fishery blocks units set up (o Fingerlings supplied (for inla	nd) 🖽 🤨			1,358 (in thousands)
1. 1 2. 4 3 1	Fishery blocks units set up (o Fingerlings supplied (for inla	nd) 🖽 🤨		.l) 	1,358 (in thou-
1. 2. V. Fee	Fishery blocks units set up (o Fingerlings supplied (for inlandeding Programme Pre-school/School children f	nd)	ys in lakhs)	··),	1,358 (in thousands)
V. Fe	Fishery blocks units set up (of Fingerlings supplied (for inlanded in Programme Pre-school/School children for Expectant/Nursing mothers for the school set up (of the programme) and the set up (of the programm	nd) ed (child-da	ys in lakhs) lays in lakh	··),	1,358 (in thousands)
V. Fe	Fishery blocks units set up (o Fingerlings supplied (for inlandeding Programme Pre-school/School children f	nd) ed (child-da	ys in lakhs) lays in lakh	··),	1,358 (in thousands)
V. Fe	Fishery blocks units set up (of Fingerlings supplied (for inlanded in Programme Pre-school/School children for Expectant/Nursing mothers for the school set up (of the programme) and the set up (of the programm	ed (child-da)	ys in lakhs) lays in lakh	··),	1,358 (in thousands) 20-14 10-1
V. Fe. 2. 2. 3. 4.	Fishery blocks units set up (of Fingerlings supplied (for inlandeding Programme Pre-school/School children for Expectant/Nursing mothers for Vegetables supplied (kg.) Eggs supplied Fish supplied (kg.)	ed (child-da	ys in lakhs lays in lakh	··),	1,358 (in thousands) 20-14 10-1 81,000 4-11 lakhs
V. Fe. 2. 2. 3. 4.	Fishery blocks units set up (of Fingerlings supplied (for inlandeding Programme Pre-school/School children for Expectant/Nursing mothers for Vegetables supplied (kg.) Eggs supplied	ed (child-da	ys in lakhs lays in lakh	 (s)	1,358 (in thousands) 20-14 10-1 81,000 4-11 lakhs
V. Fe. 2. 3. 4. 5.	Fishery blocks units set up (of Fingerlings supplied (for inlandeding Programme Pre-school/School children for Expectant/Nursing mothers for Vegetables supplied (kg.) Eggs supplied Fish supplied (kg.)	ed (child-da)	ys in lakhs lays in lakh	 (s) 	1,358 (in thousands) 20-14 10-1 81,000 4-11 lakhs
V. Fe. 2. 3. 4. 5.	Fishery blocks units set up (of Fingerlings supplied (for inlandeding Programme Pre-school/School children of Expectant/Nursing mothers of Vegetables supplied (kg.) Eggs supplied Fish supplied (kg.)	ed (child-da)	ys in lakhs (ays in lakh	 (s) 	1,358 (in thousands) 20-14 10-1 81,000 4-11 lakhs
V. Fe. 2. 3. 4. 5.	Fishery blocks units set up (of Fingerlings supplied (for inlandeding Programme Pre-school/School children of Expectant/Nursing mothers for Vegetables supplied (kg.) Eggs supplied Fish supplied (kg.) outh and Women's Programme, Mahila Mandals associated (Mandals	ed (child-da	ys in lakhs (ays in lakh	 (s) 	1,358 (in thousands) 20-14 10-1 81,000 4-11 lakhs 67,000
V. Fe. 1. 2. 3. 4. VI. Yo. 1. 2.	Fishery blocks units set up (of Fingerlings supplied (for inland and Women's Programme Pre-school/School children of Expectant/Nursing mothers of Vegetables supplied (kg.) Eggs supplied (kg.) Fish supplied (kg.) Mahila Mandals associated (in the set of the set	ed (child-da)	ys in lakhs (ays in lakh	 (s) 	1,358 (in thousands) 20-14 10-1 81,000 4-1,1 lakhs 67,000

APPENDIX F

(Para 11.5)

Extract from the report on food consumption survey carried out by the Public Health Institute, Nagpur, in August and September 1971

At the request of the Under Secretary, Rural Development Department the following five blocks (out of 7 blocks whose survey data was available) were selected for the food consumption surveys with a view to find out the impact of the Applied Nutrition Programme. In each block 10 families (out of 25 families surveyed earlier) were taken for the survey.

Block .	Name of the village	Date of the survey	No. of families
Gondia	Chargaon	20th August 1971 to 21st August 1971.	_ 10
Amravati	Wadgaon	26th August 1971 to 27th August 1971.	10
Ghatanji	Inzala	28th August 1971 to 29th August 1971.	10
Bassein	Nala	10th September 1971	10 [7]
Ambegaon	Avsarikhurd	13th September 1971	10

Selection of families.—Household list of the village was obtained and serial numbers were given. After giving the serial numbers 25-30 random numbers were picked up from the Random Number Table. The families whose serial numbers correspond to these selected random numbers were covered for the food consumption surveys.

Method.—Various methods have been designed from time to time for the collection of the dietary data. The criteria used for the selection of the method depends on the nature of the informations, and on the facilities and funds available keeping in mind the above criteria, for the study a combination of two methods 24 hour weighment of food and frequency method was used. The foods eaten during the 24 hours period are weighed before cooking of each meal and later the subjects are interviewed on the usual intake of foods in terms of frequency with which various food items are taken.

This method was found very simple and economical, not very sharp, but adequate for planning and evaluating education programmes.

The limiting factor in the use of this method is that it needs trained personnel. The accuracy of the data will depend on the investigators judgment, knowledge of the subjects, mother-tongue, and intelligence in asking questions.

The interpreting the findings due assessment should be taken of seasonal variations, this may also be a limiting factor in the use of this method, where marked seasonal changes occur.

For collecting the dietary data, a special schedule was prepared which included the study of dietary habits, culinary practices, seasonal variations, occupations, agricultural produce etc.

Collection of food consumption data

First survey.—The data for the first survey was collected by the Mukhya Sevika and the Gramsevika of their respective block/village. The nutritionists, in the Department of Nutrition, visited each village for two days, initiated the work and trained the personnel in the technique of food consumption surveys.

Second survey.—The data for the second survey was collected by one of the Nutritionists in the Nutrition Section (for first four villages only). The data for the fifth village Avsarikhurd (Ambegaon Block) is collected by the Medical Officer of the Nutrition Section.

As mentioned above, each family was visited twice i.e. in the morning before cooking and in the evening before dinner is ready. The raw food-stuffs were weighed to the nearest 5 gm. While collecting the data care was taken to note down the name, age, sex of absentees and/or guests (if any) in each meal. The food taken by the guests was recorded. Information was also collected on the special foods received by the children, goods given to the pets, and the foods left over on the previous day, were also noted down.

Observations during the calculation of Nutritive value

While calculating the nutritive values of the diet, deductions on account of foods given to guests, or pets, were made in the total food intake.

No allowance for wastage was made because no food wastage was observed in these families. Just sufficient food was prepared and left over, if any, were consumed at the subsequent meal.

Chargaon (Gondia Block, District Bhandara)

The nutrient analysis of food intake showed that the protein intake was decreased from 94 gm. per C.U.P.D. to 76 gm. per C.U. per day. The consumption of Vitamins and Minerals were also decreased in the second survey period. The caloric value per C.U. per day had also been decreased from 3619 (First Survey) to 2949 (Second Survey).

Wadgaon (Amravati Block, District Amravati) Nutritient Analysis.—The average diet of each selected family is analysed for the proximate principles minerals and vitamins. The second survey values are compared with first survey value (vide Appendix F).

The protein intake remains more or less the same. The fats and carbohydrate intakes are slightly increased in the second survey. The calcium intake is 567 gm. in the first survey and 586 gm. in the second survey period which appears to be fairly satisfactory. The intake of Vitamins such as Vitamin 'A' and 'C' are slightly reduced in the second survey. The caloric intake increased from 2,900 to 3,100 in the second survey period. The percentage distribution of calories from fats is increased from 9 per cent in the first survey to 12 per cent in the second survey. Thus there seems to be an overall improvement in the averages.

Inzala (Ghatanji Block, District Yeotmal) Nutrient Analysis.—The Nutrient Analysis of their diets is also studied [vide Appendix F(I)]. There is no appreciable change in the intakes from the first survey period to the second survey period except in the case of the minerals and vitamins. This may be due to higher intake of leafy vegetables, fruits, groundnuts and cereals. The Vitamin 'A' intake is 4865 I.U. as against 1473 I.U. for the first survey period. Average caloric value is about 3,000 calories which is the same in the first survey period. Percentage distribution of calories from fats has been reduced to 9 per cent in the second survey period.

Nala (Bassein Block, District Thana)

Nutrient Analysis

Protein.—The intake varied from 88 gm. to 51 gm. per C. U. per day in the present survey, the average being 69 gm. per C. U. per day which is higher than the first survey.

Fats.—In the second survey the highest amount of fats consumed is 69 gm. and the lowest is 15 gm. per C. U. per day with an average of 46 gm. per C. U per day, yielding about 17 p.c. of the total calories. As compared to the first survey the intake of oils and fats has been increased by 7 gm. which is a good index of a community's ecomomic status because these foods are costlier and poor people can ill-afford them.

Carbohydrates.—In the second survey the amount of carbohydrates derived mostly from starchy grains and sugars varied from 649 gm. per C. U. per day to 351 g.m per C. U. per day with an average 434 gm. per C. U. per day. Nearly 70 per cent of the calories are derived. As compared to the first survey period the intake of carbohydrate has been increased by 100 gm. This is due to higher intake if cereals during the second survey.

Vitamins and Minerals.—The intake of Vitamins A and C has been reduced considerably as compared to the first survey findings. This is due to the low intake of leafy vegetables. It was reported that these vegetables are generally consumed in large quantities during summer and very little in rainy season. The first survey was conducted in summer and the second survey in the monsoon.

This may be an explanation for the low consumption of leafy vegetables. It is established that the period of survey have an effect on the intake of foods.

As the bulk of diet consists of cereals, the Vitamin B-1 is adequately supplied. The average yield of calories is about 2441 per C. U. per day which is much higher than the first survey.

To conclude, the consumption of milk and the leafy vegetables has been reduced, while of all the other foods, the consumption has been increased, as compared to the consumption during the first survey period.

Avasarikhured (Ambegaon Block, District Poona)

Nutrient Analysis

In view of modern activities of energy yield of diet in terms of calories is 2306 calories which is less by 314 to that of 1969-70.

- 1. Proteins.—Quantity of proteins taken 80.7 gms. is more by 0.7 gms. with compare to that of 50.7 in 1969.
 - 2. Fats.—Quantity of fats taken 50.7 gmr. is less by 0.3 to that of 1969.
- 3. Carbohydrates.—Quantity taken 381.8 gms. is less by 53.2 gms. to that of 1969.
 - 4. Calcium.—Quantity taken 654.5 mg. is less by 88 mg. to that of 1969.
 - 5. Iron.—Quantity taken 61.3 mg. is less by 20 mg. to that of 1969.
- 6. Vitamin 'A'.—Quantity 5418.5 mg. I. U. is more by 923 I. U. to that of 1969.
 - 7. Vitamin 'B1'.—Quanity 10.8 mg. is more by 8.5 mg. to that of 1969.
 - 8. Vitamin 'C' .—Quanity 60.7 mg. is less by 3.3 mg. to that of 1969.

APPENDIX F-I (Para 11.5)

Food Consumption Survey Finding—Comparative Table Composition and Analysis of Foods per Consumption Unit per Day

	Food start	~ _	-	. (Chargaon	1 .	Wadgao	n		Inza	a		Nala	
:	Food stu	<u>iis</u>	-	Oct. 196 (in g.		971 Oct.) (in		Aug. 1971 (in g.)	Dec.	1968 g.)	Aug. 1971 (in g.)	May 1 (in g		. 1971 g.)
Rice	••	••	••	· 1	575.9	, ,]	24)	46.0	7	259	9
Wheat Flour	••		••	. 7	Fotal 84.3		Total	192		Total	123.8	\	Total 12	7
Bread	• •		;.·	· }	Cereals		Cereals	••••	•	Cereal	s	Ì	Cereals .	•••
Jawar	••	• •	•••	758		694	ا ا	424	655.5	ļ	506.5	334	12	t
Pulses and Dals	••	••	••	71	70.1	.32	į.	90 ~	100		91.0	26	. : 60)
Leafy Vegetables		••	• •	51	31 -	. 22	· ·	31	11		46.4	49	13	5
Root Vegetables			••	67	74.6		•	66	• • • •	321	33.5	38	. 60	5
Other Vegetables	٠	••	·::	121	- 72·1	28	8	33.0	45	•	24.6	46	2:	3
Fruits		••	. . .			***	•				5	16	20) »,
Sugar and Jagger	у	••		-24/25	18-9/29	0 8/2	3	40/42	37	1.65	38/49	33/10	- 49	
Vegetables oils fa	ts	••	••	14/4(Hy	oil) <u>F</u> 13	12	*	19	15 、		14-1	23/1-3	2 6	Hy. o
Butter and Ghee	• •				1.5					-8	3 🗓 .			
Milk, Curds		• •	• •	97	52.0	36	n H 5	29	44	•	25.5	87	51	
Fish and Meat	• •			3/4	10/1/17		7	10/19	30		4/16·1	34/7/6		/20 -
iggs	••	• •	••	0.6	(*Dry fi:	sh)		1	0.8		2.5	Dry fis	h (*D	ry fish
Other Foods	••	••	••			. ,2	10 g	r. Nuts pan.			5.5 Pan	0.9 Gr. Nu		•••

Nutrient An	alysis	_e s s		s	: 	W		8	**		
Total Protoins		7	93.9	76.4	86	94 .	102.6	97.1	55.4	69.1	•
Animal Proteins		••	••••	5.1		4.3		2.7	••••	13.9	
Pats	. ,• •	••	38.5	22.3	31	38.7	36.6	31.0	38.9	46.2	
Carbobydrates	••	5	724-2	612-2	567	585-6	597 - 4	593 · 8	330 0	437-3	Œ
Calcium	••	••	730-7	454	470	589	477-1	571	668-5	502	
Phosphorus		••		****			****	•11(10)			
Iron (in mg.)	,	• •	57-5	38.6	49	62-4	53-4	61 · 4	44.5	33.5	:
Vitamin A (in IU)	28 C# #		3,227	2,491	3,041	2,371	1,473	4,865	4,382	1,079	5
Vitamin B1 (in IU)		• •	2.6	1.97	2.8	3.5	3.2	3.0	1.2	1.6	8
Vitamin C (in mg.)		• •	85.0	53	50	31	17	56	60	28	
Calories		3	,619	2,949	2,891	3,096	3,129	3,038	1,890	2,441	
Distribution of	Calories	-							*		
Proteins (in per cent)	:		11	10	12	12	13	13	. 12	11	
Fats (in per cent)	., ,		9	7	9	12	10 : :	9	19	17	,,,,,,,,
1.00F 10V4 A.J			<u> </u>								-

Note.—Number of families surveyed during the first survey Number of families surveyed during the second survey

Carbohydrates (in per cent) ...

Recent	Diet	Survey	Findings:	Comparative	Table
--------	------	--------	-----------	-------------	-------

į	Food Str	ıffs -	- T		Awasarikhurd Ambegaor	l village in 1 Block
l		·		Oct	ober 1969 Sej	otember 197
. Milk (ml.) Curds	••		· See e g g Se		81	102.9
Legumes	· <u>-</u>	- ja			34	32.5
. (a) Cereals	٠	-	••	••	516	533.4
(b) Root vegetab	oles	••	•••		43 _{c'}	60.3
. Green vegetables-	<u></u>				, , , , ,	•
(a) Leafy greens	⊕ r⊕	••	••	••	48	53.2
(b) Other greens		••	•••	••	_ 5 5	45.8
5 Fruits			- (t	20.0
5. Sugar/Jaggery	• •	ě ě.	• •	••	61.26	32.2 52.3
7. Oils/Fats	••	••	••	••	11.2	14.34
3. (a) Meat/Fish;		Ĵ			5	-
(b) Egg	• •	••	••	••	· 1.6	3.9
9. Ground Nuts	••	••		••	3.	7.1 18.00
0. Nutrient Analysis	: -		1			•
Total Proteins (in	g.)	••			80	80.7
Fats (in	g.)	••	••:		51 ·	50.7
Carbohydrates (in	ı g.)	• •		••	- 435	381.8
Calcium = [(in	Mg.)	••	* *		742	654.5
Iron (in	1 Mg.)	:	, ·	. ,.	. 81	61.3
Vitamin A (in	ı İ. U.)	••	•••	• •	4,495	5,518.5
Vitamin B1 2 (in	1 Mg.)	••	• •••		2.3	. 10.8
Vitamin C - (in	1 Mg.)	••			64	60.7
Calories					2,520	2,306

