

**GOVERNMENT OF INDIA
NATIONAL SAMPLE SURVEY ORGANISATION
SOCIO-ECONOMIC SURVEY
FIFTY-NINTH ROUND: JANUARY - DECEMBER 2003
SCHEDULE 33: SITUATION ASSESSMENT SURVEY OF FARMERS**

VISIT 1

[0] descriptive identification of sample household	
1. state/u.t.:	5. hamlet name:
2. district:	6. name of head of household:
3. tehsil:	7. name of informant:
4. village name:	

[1] identification of sample household									
item no.	item	code			item no.	item	code		
1.	sl. number of sample village/ block				11.	FOD sub-region			
2.	round number	5	9		12.	sample hamlet-group number			
					13.	second stage stratum			
3.	schedule number	3	3		14.	visit number	1		
4.	sample (central-1, state-2)	1			15.	sample household number			
5.	sector (rural - 1, urban - 2)	1			16.	sl. no. of informant (as in col.1, block 4)			
6.	state-region				17.	response code			
7.	district				18.	survey code			
8.	stratum number				19.	reason for substitution of original household			
9.	sub-round								
10.	sub-sample								

CODES FOR BLOCK 1

item 17: response code : co-operative and capable - 1, co-operative but not capable - 2, busy - 3, informant reluctant - 4, others - 9.

item 18: survey code : original - 1, substitute - 2, casualty - 3.

item 19: reason for substitution of original household : informant busy-1, members away from home-2, informant non-co-operative-3, others-9.

[2] particulars of field operation												
sl. no.	item	investigator			assistant superintendent			superintendent				
(1)	(2)	(3)			(4)			(5)				
1.	i) name (block letters)											
	ii) code											
2.	date(s) of :	DD	MM	YY	DD	MM	YY	DD	MM	YY		
	(i) survey/inspection											
	(ii) receipt											
	(iii) scrutiny											
	(iv) despatch											
3.	number of addl. sheets attached											
4.	total time taken to canvass schedule 33 (in minutes)											
5.	signature											

[23] remarks by investigator

[24] remarks by supervisory officer(s)

[3] household characteristics						
1.	household size				13.	dwelling unit code (<i>owned -1, hired -2, no dwelling unit -3, others -9</i>)
2.	principal industry (NIC - 1998)	description:			14.	type of structure (<i>katcha-1, semi-pucca-2, pucca-3</i>)
		code (5-digit)				
3.	principal occupation (NCO - 1968)	description:			16.	distance from the principal source of drinking water (code)
		code (3-digit)				
4.	household type (code)				18.	whether any member of the family fell ill during the last 365 days? (yes - 1, no - 2)
5.	social group (code)					
6.	whether household owns any land? (yes - 1, no - 2)					
7.	if '1' in item 6, type of land owned (code)				19.	if '1' in item 18, treatment (code)
8.	land as on date of survey (ha 0.000)	owned			20.	if '7' in item 19, reason therefor (code)
9.		leased-in				
10.		neither owned nor leased-in				
11.		leased-out				
12.		total possessed (8+9+10-11)				
					21.	no. of operational holdings during the agricultural year 2002 - 03
					22.	whether land holding(s) has been consolidated? (yes - 1, no - 2)

CODES FOR BLOCK 3

item 4: **household type**: self-employed in non-agriculture-1, agricultural labour-2, other labour-3, self-employed in agriculture-4, others-9.

item 5: **social group**: scheduled tribe-1, scheduled caste-2, other backward class-3, others-9.

item 7: **type of land owned**: homestead only - 1, homestead and other land - 2, other land only - 3.

item 15: **principal source of drinking water**: tap -1, tubewell / handpump -2, well -3, tank/pond reserved for drinking -4, other tank/pond -5, river/canal/lake -6, spring-7, tanker - 8, others -9.

item 16: **distance from the principal source of drinking water**: within dwelling -1, outside dwelling but within premises -2, outside premises at a distance: < 0.2 km - 3, 0.2 - 0.5 km - 4, 0.5 - 1.0 km - 5, 1.0 - 2.0 km - 6, 2.0 km or more -7.

item 17: **principal source of income** : cultivation - 1, farming other than cultivation - 2, other agricultural activity - 3, wage/salaried employment - 4, non-agricultural enterprises - 5, pension - 6, remittances - 7, interest and dividends - 8, others - 9.

item 19: **treatment** : sub-centre/dispensary - 1, primary health centre - 2, community health centre/government hospital - 3, private clinic/doctor - 4, traditional treatment - 5, other treatment - 6, no treatment - 7.

item 20 : **reason** : non-availability of medical facility - 1, financial constraint - 2, not required - 3, others (specify.....) - 9.

[4] demographic and other particulars of household members																		
sl. no.	name of member	relation to head (code)	sex (male -1, female-2)	age (years)	marital status (code)	general education (code)	whether attended any formal training in agriculture? (yes - 1, no - 2)	whether engaged in farming during last 365 days? (yes-1, no-2)	if code '1' in col. 9, nature of work during last 365 days (code)			current weekly activity		wages and salary earnings (received or receivable) for the work done during last 7 days (Rs)				
												status code	NIC - 98 code (2 digits)				cash	kind
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)			(13)	(14)	(15)		

CODES FOR BLOCK 4

Col. (3) : **relation to head:** self-1, spouse of head-2, married child-3, spouse of married child-4, unmarried child-5, grandchild-6, father/mother/father-in-law/mother-in-law-7, brother/sister/brother-in-law/sister-in-law/other relatives-8, servants/employees/other non-relatives-9.

Col.(6) : **marital status code:** never married – 1, currently married – 2, widowed – 3, divorced/separated – 4.

Col. (7) : **general education code :** not literate - 01, literate without formal schooling - 02, literate but below primary - 03, primary - 04, middle - 05, secondary - 06, higher secondary - 07, diploma/certificate course - 08, graduate - 10, post graduate and above -11.

Cols. (10), (11), (12): **nature of work :** working in cultivation: supervision - 01, ploughing -02, sowing -03, transplanting -04, weeding -05, harvesting -06, other cultivation activities – 07; manual work in other agricultural activities: forestry -08, plantation -10; working in : dairy -11, poultry – 12, piggery -13, duckery -14, fishery -15, bee-keeping -16, others -99.

Col.(13): **status code:** worked in hh enterprise (self-employed): own account worker - 11, employer - 12, worked as helper in hh enterprise (unpaid family worker) – 21, worked as regular salaried/wage employee – 31, worked as casual wage labour: in public works – 41, in other types of work – 51, had work in hh enterprise but did not work due to: sickness – 61, other reasons – 62; had regular salaried/wage employment but did not work due to: sickness – 71, other reasons – 72; did not work but sought work – 81, did not seek but was available for work – 82, attended educational institution – 91, attended domestic duties only – 92, attended domestic duties and was also engaged in free collection of goods (vegetables, roots, firewood, cattle feed, etc.), sewing, tailoring, weaving, etc. for household use – 93, rentiers, pensioner, remittance recipients, etc. – 94, not able to work due to disability – 95, beggars, prostitutes - 96, others - 97, did not work due to temporary sickness (for casual workers only) -98.

[5] perception of household regarding sufficiency of food			
1. do all members of your household 'get enough food everyday'?			
	<i>(yes: every month of the year-1, some months of the year -2; no: no month of the year-3)</i>		
2. if code is 2 in item 1, during which calendar months did any member of the household not 'get enough food everyday'?			
	<i>(applicable month codes may be recorded in the box spaces: Jan-01, Feb-02, Mar-03, Apr-04, May-05, Jun-06, Jul-07, Aug-08, Sep-09, Oct-10, Nov-11, Dec-12)</i>		
3. whether information on item 1 was actually obtained from the informant? <i>(yes-1, no-2)</i>			

[6] general awareness/perceptions and other aspects of farming		
1.	are you aware of Minimum Support Price? <i>(yes-1, no-2)</i>	
2.	<i>if '1' in item 1, are you aware of procurement agency? (yes-1, no-2)</i>	
3.	did you have your crop insured at any time? <i>(yes-1, no-2)</i>	
4.	<i>if '2' in item 3, reason therefor (not aware -1, not interested-2, insurance facility not available-3, lack of resources for premium payment-4)</i>	
5.	services availed from cooperatives (not availed because of non-membership - 1, member but not availed - 2; availed for: credit - 3, seeds/fertilisers-4, agricultural implements-5, marketing-6, inputs-7, consumer goods-8)	
6.	what is the usual source of your seeds? <i>(farm saved - 1, exchange - 2, purchase - 3)</i>	
7.	how often do you replace seed varieties? <i>(generally replacing every year-1, replacing every alternate year-2, replacing after three years-3, replacing after four years or more-4)</i>	
8.	whether any member of the household is a member of registered farmers organisation? <i>(yes-1, no-2)</i>	
9.	whether any member of the household is a member of self help group? <i>(yes - 1, no - 2)</i>	
10.	are you aware of bio-fertilisers? <i>(yes - 1, no - 2)</i>	
11.	are you aware of World Trade Organisation (WTO)? <i>(yes-1, no-2)</i>	
12.	do you like farming as a profession? <i>(yes - 1, no - 2)</i>	
13.	<i>if '2' in item 12, reasons therefor (not profitable - 1, lack of social status - 2, risky - 3, others (specify.....) - 9)</i>	

[7] particulars of land possessed during kharif						(in 0.000 ha)	
sl. no.	crop/allied	owned and possessed		leased-in	otherwise possessed	total (3+4+5)	
(1)	(2)	(3)		(4)	(5)	(6)	
1.	cultivation						
2.	orchards and plantation						
3.	allied (other than animal farming)						
4.	dairy						
5.	farming of goat, sheep etc.						
6.	piggery						
7.	poultry/ duckery						
8.	fishery						
9.	bee-keeping						
10.	farming of other animals						
11.	total (1 to 10)						

[8] area under irrigation during kharif								
sl. no.	crop item	description code	area (0.000 ha) under irrigation for crop					device used
			(3)	(4)	(5)	(6)	(7)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	
source of irrigation								
1.	river/spring							
2.	canal							
3.	reservoir							
4.	tank							
5.	tube well							
6.	well							
7.	others							
8.	all							
9.	whether extent of irrigation is adequate? (yes-1, no-2, not required - 3)							
10.	if code 2 against sl. no. 9, reason therefor (code)							

CODES FOR BLOCK 8

cols. 3 - 7: **crop**: cereal- 01, pulses -02, oilseeds - 03 mixed crop - 04, sugarcane - 05, other crop - 06, vegetables - 07, fruits and nuts - 08, plantation - 09, fibre crop - 10, fodder - 11, others - 99.

col. 8: **device used**: pump (electric) -1, pump (diesel) -2, persian wheel -3, others -9.

sl. no. 10: **reason for inadequacy**: shortage of: water - 1, fund -2, power - 3, device - 4; others (specify) - 9.

[9] some particulars of farming resources used for cultivation during kharif							
sl. no.	resource	distance (code)	whether used? (yes-1, no-2)	if 1 in column (4)			whether testing facility available? (yes-1, no-2, not known - 3)
				whether available in time? (code)	whether adequately available? (yes-1, no-2)	quality (good-1, satisfactory -2, poor-3)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	fertiliser						
2	organic manure						
3	improved seeds						
4.	pesticide						
5	veterinary service						

CODES FOR BLOCK 9

col.3: **distance** : within village - 1; outside village: less than 2 km - 2, 2 to 5 km - 3, 5 to 10 km - 4, 10 km to 20 km - 5, 20 km or more - 6.

col 5: **whether available in time**: available in time-1, available but not in time -2, not available -3

[10] use of energy during last 365 days				
sl. no.	activity	primary source of energy (code)	whether primary source is adequate? (yes-1, no-2)	secondary source of energy (code)
(1)	(2)	(3)	(4)	(5)
1.	ploughing			
2.	irrigation			
3.	harvesting			
4.	threshing			
5.	cane crushing			
6.	transport			
7.	cooking			
8.	lighting			

CODES FOR BLOCK 10

col.(3)/(5): **primary/secondary source of energy**: electricity - 1, diesel/petrol/kerosene - 2, solar - 3, LPG - 4, gobar gas - 5, dung cake - 6, firewood - 7, animal power - 8, others (specify) - 9.

[12] access to modern agricultural technology									
sl. no.	source	whether accessed? (yes-1, no-2)	if 'T' in col. (3), frequency of contact (code)	type of information received (code)	quality of information received (good - 1, satisfactory - 2, poor - 3)	whether received information was tried? (yes - 1, no - 2)	whether recommended practice has been adopted? (yes - 1, no - 2)	if '2' in col.(8), reasons for not adopting (code)	suggestions for improvement in extension services (code)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1.	participation in training programme								
2.	krishi vigyan kendra								
3.	extension worker								
4.	television								
5.	radio								
6.	newspaper								
7.	village fair								
8.	government demonstration								
9.	input dealer								
10.	other progressive farmers								
11.	farmers study tour								
12.	para technician/ private agency/NGO								
13.	primary cooperative society								
14.	output buyers/food processor								
15.	credit agency								
16.	others								

CODES FOR BLOCK 12

col.(4): **frequency of contact:** daily - 1, weekly - 2, monthly - 3, seasonally - 4, need based - 5, casual contact - 6.

col. (5): **type of information received:** cultivation: improved seed/variety - 11, fertilizer application - 12, plant protection (pesticide etc.) - 13, farm machinery - 14, harvesting/marketing - 15, others - 19.

animal husbandry : breeding - 21, feeding - 22, health care - 23, management - 24, others - 29.

fishery: seed production - 31, harvesting - 32, management and marketing - 33, others - 39.

col.(9): **reasons for not adopting:** lack of financial resources - 1, non-availability of input and physical resources - 2, lack of technical advice for follow-up - 3, difficulty in storage, processing and marketing of products - 4, not useful - 5, others - 9.

col.(10): **suggestions for improvement in extension services:** improvement in quality and reliability of information - 1, timeliness of information - 2, increase in frequency of demonstration - 3, improvement of quality of presentation - 4, improvement of professional competence of information provider - 5, others - 9.

[13] purchase and sale of productive assets during July to December 2002						
sl. no.	item	no. possessed on the date of survey	expenditure incurred (Rs)		income from sale (Rs)	total (Rs) (4+5-6)
			purchase	major repair		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
for farm business						
1.	land					
2.	improvement of land					
3.	building for farm business					
4.	fish tank					
5.	cattle					
6.	buffalo					
7.	other large heads					
8.	sheep, goats, pigs & rabbits					
9.	poultry/duckery					
10.	other livestock					
11.	livestock and poultry (5 to 10)					
12.	sickle, chaff-cutter, axe, spade & chopper					
13.	plough					
14.	harrow, seed-drill, sprayer & duster					
15.	power tiller					
16.	tractor					
17.	thresher					
18.	canecrusher : power operated					
19.	canecrusher : others					
20.	oil crusher					
21.	pump : electric					
22.	pump : diesel, etc.					
23.	other water lifting equipment					
24.	others					
25.	agricultural machinery and implements (12 to 24)					
26.	total productive assets (1+2+3+4+11+25)					
for non-farm business						
27.	land and building for non-farm business					
28.	machinery and equipment					
29.	others					
30.	residential building including land					
31.	total (26+27+28+29+30)					

CODES FOR BLOCK 14

column (2): crop code:

paddy	0101	papaya	0615	sunflower	1007
jowar	0102	guava	0616	safflower	1008
bajra	0103	almond	0617	soyabean	1009
maize	0104	walnut	0618	nigerseed	1010
ragi	0105	cashewnuts	0619	oil palm	1011
wheat	0106	apricot	0620	other oilseeds	1088
barley	0107	jackfruit	0621	cotton	1101
small millets	0108	lichi	0622	jute	1102
other cereals	0188	pineapple	0623	mesta	1103
gram	0201	watermelon	0624	sunhemp	1104
tur (arhar)	0202	musk melon	0625	other fibres	1188
urad	0203	bread fruits	0626	indigo	1201
moong	0204	ber	0627	other dyes & tan. materials	1288
masur	0205	bel	0628	opium	1301
horsegram	0206	mulberry (sahatoot)	0629	tobacco	1302
beans (pulses)	0207	aonla (amla)	0630	other drugs & narcotics	1388
peas (pulses)	0208	other fruits	0688	guar	1401
other pulses	0288	potato	0701	oats	1402
sugarcane	0401	tapioca (cassava)	0702	green manures	1403
palmvriah	0402	sweet potato	0703	other fodder crops	1488
other sugar crops	0488	yam	0704	tea	1501
pepper (black)	0501	elephant foot yam	0705	coffee	1502
chillies	0502	colocasia/arum	0706	rubber	1503
ginger	0503	other tuber crop	0707	other plantation crops	1588
turmeric	0504	onion	0708	orchids	1601
cardamom (small)	0505	carrot	0709	rose	1602
cardamom (large)	0506	radish	0710	gladiolus	1603
betelnuts (arecanuts)	0507	beetroot	0711	carnation	1604
garlic	0508	turnip (shalgam)	0712	marigold	1605
coriander	0509	tomato	0713	other flowers	1688
tamarind	0510	spinach	0714	asgandh	1701
cumin seed	0511	amaranths (chaulai)	0715	isabgol	1702
fennel / anise seed	0512	cabbage	0716	sena	1703
nutmeg	0513	other leafy vegetable	0717	moosli	1704
fenugreek	0514	brinjal	0718	other medicinal plant	1705
cloves	0515	peas (vegetable) (green)	0719	lemon grass	1711
cinnamon	0516	lady's finger (bhindi)	0720	mint	1712
cocoa	0517	cauliflower	0721	menthol	1713
kacholam	0518	cucumber	0722	eucalyptus	1714
beetlvine	0519	bottle gourd (lauki)	0723	other aromatic plant	1715
other condi. & spices	0588	pumpkin	0724	canes	1801
mangoes	0601	bitter gourd	0725	bamboos	1802
orange and kinu	0602	other gourds	0726	other non-food crops	1888
mosambi	0603	vench (guar)	0727		
lemon / acid lime	0604	beans (green)	0728		
other citreous fruits	0605	drumstick	0729		
banana	0606	green chillies	0730		
table grapes	0607	other vegetables	0788		
wine grapes (black)	0608	other food crop	0801		
apple	0609	groundnut	1001		
pear	0610	castorseed	1002		
peaches	0611	sesamum (til)	1003		
plum	0612	rapeseed & mustard (toria/ taramira)	1004		
kiwi fruit	0613	linseed	1005		
chiku	0614	coconut	1006		

[16] expenses for non-farm business during last 30 days		
sl. no	item	expenses (Rs) during last 30 days
(1)	(2)	(3)
1.	NIC – 98 (two-digit code):	
2.	raw materials used for manufacturing	
3.	materials used for other activities	
4.	cost of commodities traded	
5.	articles used for food & drink preparation	
6.	petrol, diesel, lubricants, etc.	
7.	minor repair and maintenance of transport, machinery , equipment, building, furniture and fixtures and other fixed assets	
8.	electricity charges	
9.	fuel other than electricity	
10.	rent payable on machinery and equipment (other than land and building)	
11.	travelling, freight and cartage expenses	
12.	communication expenses (telephone, telegram, fax, postal, courier, e-mail, etc.)	
13.	consumable stores, packing materials , etc.	
14.	paper, printing and stationery expenses	
15.	service charges for work done by other establishments (e.g. legal, audit, advertising and other accounting services; warehousing expenses, etc.)	
16.	cost of own construction on building, furniture and fixtures, etc.	
17.	rent on land and building	
18.	interest	
19.	wages and salaries	
20.	other expenses	
21.	total expenses (2 to 20)	

[17] receipts for non-farm business during last 30 days		
sl. no	item	receipts (Rs) during last 30 days
(1)	(2)	(3)
1.	products and by-products manufactured	
2.	sale value of commodities traded	
3.	amounts receivable from contractor	
4.	receipts from sale of prepared food, refreshment and drinks	
5.	earnings from goods and passenger traffic	
6.	STD/courier, fax, etc. charges receivable from customers	
7.	receipts for educational activity like tuition fees, examination fees, capitation fees, etc.	
8.	receipts from consultation fees and medical services	
9.	receipts from services provided to others including commission charges	
10.	market value of own construction on building, furniture and fixtures, etc.	
11.	value of consumption of goods/services produced or traded for own use	
12.	rent receivable on plant and machinery and other fixed assets	
13.	other receipts	
14.	total receipts (1 to 13)	

[18] consumption of food, pan, tobacco and intoxicants during the last 30 days ended						
on						
code	item	quantity*		value		source
(1)	(2)	(0.00)		(Rs 0.00)		code ^s
(1)	(2)	(3)		(4)		(5)
1	rice					
2	chira, kholi, lawa, muri, other rice products					
3	wheat					
4	atta, maida, suji, rawa, sewai, bread, other wheat products					
5	jowar					
6	jowar products					
7	bajra					
8	bajra products					
9	maize					
10	maize products					
11	barley					
12	barley products					
13	small millets					
14	small millets products					
15	ragi					
16	ragi products					
17	cereal: s.t. (1-16)					
18	cereal substitutes					
19	gram (full grain)					
20	gram products					
21	pulses					
22	pulse products (besan, other products, etc.)					
23	milk: liquid (litre)					
24	butter & ghee					
25	other milk products					
26	edible oil					
27	egg (no.)		00			
28	fish					
29	meat					
30	vegetables					
31	fresh fruits					
32	dry fruits					
33	sugar, gur, candy, honey					
34	salt					
35	spices (gm)		00			
36	beverages					
37	cooked meals					
38	other processed food & refreshments		×			
39	food: s.t. (17 + total of items 18-38)		×			

*Unit is kg unless otherwise specified

^sSource code: only purchase -1, only home-grown stock -2, both purchase and home-grown stock -3, only free collection -4, others -9.

[18] consumption of food, pan, tobacco and intoxicants during the last 30 days ended on						
code	item	quantity* (0.00)		value (Rs 0.00)		source code [§]
(1)	(2)	(3)		(4)		(5)
40	pan (leaf and finished) (no.)		00			
41	supari, lime, katha and other ingredients for pan, and pan masala (gm)		00			
42	tobacco : leaf and hookah (gm)		00			
43	other tobacco products e.g. bidi, cigarettes, snuff etc.	×				
44	intoxicants		00			
45	food, pan, tobacco and intoxicants: s.t. (39 - 44)	×				
46	fuel and light	×				

* Unit is kg unless otherwise specified

§ Source code: only purchase -1, only home-grown stock -2, both purchase and home-grown stock -3, only free collection -4, others -9.

[19] consumption of clothing and footwear during the last 365 days ended on		
code	item	value (Rs)
(1)	(2)	(3)
47	clothing	
48	footwear	

[20] expenditure on education and medical (institutional) goods and services during the last 365 days ended on		
code	item	value (Rs)
(1)	(2)	(3)
49	education	
50	medical - institutional	

[21] expenditure on miscellaneous goods and services including medical (non-institutional), rents and taxes during the last 30 days ended on		
code	item	value (Rs)
(1)	(2)	(3)
51	medical - non-institutional	
52	entertainment	
53	goods for personal care and effects	
54	toilet articles	
55	sundry articles	
56	consumer services excluding conveyance	
57	conveyance	
58	rent	
59	consumer taxes and cesses	
60	misc. goods & services: s.t. (51 - 59)	

[22] expenditure for purchase and construction (including repair and maintenance) of durable goods for domestic use during the last 365 days ended on					
item		first-hand purchase		second-hand	total expenditure (Rs) [(3)+(4)+(5)]
		value (Rs)	cost of raw materials and services for construction and repair (Rs)	purchase value (Rs)	
code	description				
(1)	(2)	(3)	(4)	(5)	(6)
61	furniture & fixtures				
62	goods for recreation				
63	jewellery and ornaments				
64	crockery & utensils				
65	cooking and household appliances				
66	personal transport equipment				
67	therapeutic appliances				
68	other personal goods				
69	residential building, land and other durables				
70	durable goods : s.t. (61 - 69)				