

### 3. EVALUATION OF THE NPAG PROGRAMME

Right at the time of initiation of the programme in 2002-03, it was envisaged that after two years of implementation the project would be evaluated. The Ministry of Women and Child Development entrusted the task of evaluation of the NPAG programme to Nutrition Foundation of India in April 2006.

**Objective of the evaluation** was to assess the performance of NPAG under existing conditions in ten poorly performing districts of ten states.

#### **Parameters for evaluation**

##### ***Financial and administrative component***

For the programme to succeed there has to be coordinated activity at the state, center and district level in terms **of timely release of funds and food grains**. Therefore information on this was collected from the centre, state and district level officials from Finance, DWCD and PDS (Annexure 3c)

##### ***Implementation at the field level*** (Annexure 3c)

Evaluation of the implementation of the programme was done by collecting information about implementation of the programme from

- the anganwadi,
- ration shop
- the households

The programme has been implemented in the most backward districts in major states. These districts therefore may have problems which come in the way for effective implementation of the programme; in order to eliminate this bias, efforts will be made to compare the performance and coverage levels for other programmes in ICDS in the same anganwadi/ district.

The organisational structure of the programme and framework of evaluation is given in Annexure 3a and 3b.

#### **Choice of states/ districts**

The programme is currently under operation in 51 districts in 35 states and UTs. For the evaluation purposive sampling of states was done from different regions of the country (north, south, east and west), different population sizes (large medium and small), interest shown (very active to showing very little interest) and their performance and difficulties in implementation of the NPAG (Annexure 3b). The district for evaluation was chosen taking into account interested Principal Investigators (PI) working in the Home Science Colleges/Medical Colleges/ Research Agencies are located near the district. The fact that institutions in the vicinity of the district were taking up the evaluation reduced the cost of travel. It also enabled the investigators to use persons adept in the local language as investigators and gain better cooperation from the service providers

and the population. Another advantage of using this procedure was that this resulted in improvement in the awareness level regarding ongoing nutrition programmes in the participating colleges and thus helped in human resource development. The evaluation was taken up in Kerala, Tamil Nadu, Gujarat, Rajasthan, Orissa, UP, Delhi, Chattisgarh, Mizoram and Uttaranchal. The states districts chosen, the Principal Investigator who under took the evaluation in the district and the institution to which they are affiliated are indicated in Table 3.1.

<b>S.No.</b>	<b>State</b>	<b>District</b>	<b>Principle Investigator</b>	<b>Designation and Institutional affiliation</b>
1	Rajasthan	Banswara	Dr. M Kapoor	Professor (Retd) Deptt of Homes Science, University of Rajasthan, Jaipur
2	Delhi	Delhi	Dr. Prema Ramachandran	Director, Nutrition Foundation of India, New Delhi
3	Uttaranchal	Haridwar	Dr. Sushma Sharma	Consultant, Nutrition Foundation of India, New Delhi
4	Orissa	Kalahandi	Dr. Saraswati Swain	NIAHRD, Kalyaninagar, Cuttack
5	Mizoram	Lunglei	Dr. Lalrintluangi	Deputy Commisioner (Retd), Mott FW
6	Kerala	Palakkad	Dr. Saradha Ramadass	Reader Deptt of SMD, Avinashilingam University, Coimbatore
7	Gujarat	Panchmahal	Dr. P.V.Kotecha	Professor & Head, Preventive & Social Medicine, Govt. Medical College, Vadodara
8	Uttar Pradesh	Sonbhadra	Dr. S. Dwivedi	Prof. & Head Deptt. Of Community Medicine, MLN Medical College, Allahabad
9	Chattisgarh	Surguja	Dr. Sunderaraman	State Health Resource Centre Chattisgarh, Raipur
10	Tamil Nadu	Thiruvanamallai	Dr. Jayam	Director, Perinatal Research Foundation. Chennai

### **Sampling procedure for NPAG**

A multi-stage stratified sampling design adopted in District Level Household Survey under Reproductive and Child Health Survey (DLHS-RCH) was used in the evaluation. For DLHS, in each selected district, 40 Primary Sampling Units (PSUs – Villages/UFS) were selected with probability proportional to size (PPS) using 1991 Census data. All the villages were stratified according to population size and female literacy and used for implicit arrangement within each stratum. The distribution of number of rural and urban PSUs was made as per the percent of urban population in the district. The target sample size in each district was set at 1000 complete residential households from 40 selected PSUs. In next stage, within each PSU, 28 residential households were selected with Circular Systematic Random Sampling (CSRS) procedure in order to take care of 10 percent non-response due to various reasons. If a PSU was inaccessible, a replacement PSU with similar characteristics was selected by Nodal agency and

provided to Principal Investigator. The National Sample Survey Organization (NSSO) provided the list of selected urban frame survey (UFS) blocks on the basis of percent urban population in the district. The UFS were made available separately for each district for urban areas. The maps of selected blocks were obtained from the NSSO field office located in each state/union-territory. The list of PSUs (urban and rural) in the selected ten districts were obtained from IIPS Mumbai. Using the same PSUs and covering the same number of households in each PSU ensured that the appropriate sampling is done for the evaluation and adequate number of the adolescent girls are covered.

### **House listing**

The DLHS envisaged that all the households in the PSU will be enumerated and 28 households will be selected from each PSU by CSRS . However the focus of the NPAG evaluation is the anganwadi. Therefore for the NPAG evaluation the first step was to identify and locate the Anganwadi in the PSU. If the PSU contains only one anganwadi then the 28 households were chosen by CSRS from the household listing provided by the AWW. If there were two anganwadis 14 households from each anganwadi were chosen ; if there were three or more anganwadis in the PSU then two anganwadis were to be chosen randomly and from each anganwadi 14 households were selected. It is possible that the PSU is small and the anganwadi caters to a larger population. In this case also from the anganwadi household listing 28 households was chosen by CSRS and surveyed. Each of the households identified by the CSRS was surveyed irrespective of the fact whether the household has an adolescent girl or not. For the urban PSUs, in selected UFS as provided by NSSO, there was no need of segmentation as they were of almost equal size and had only one anganwadi. The anganwadi in the PSU was selected and from the anganwadi household listing, 28 households are selected by CSRS and surveyed. The possible relationships between anganwadi and PSU and the procedure to be adopted in selection of households under each of these options is shown in Annexure 3d.

### **Proformae for evaluation of the pilot project (Annexure 3e)**

The evaluation assessed the process of implementation of the project at centre, state, district and village level.

There are three major Departments involved in implementation of this project:

- The finance Department - for release of funds required
- Food and civil supplies Department – for providing the needed food grains at subsidised cost
- Department of Woman and child Development- for implementation of the programme

As a part of the evaluation the persons dealing with the project in **each of the three departments in the centre and the state** were interviewed to ascertain

- the problems in implementation
- the benefits and opportunities that the scheme may provide

During the implementation of the project and the measures that they have taken to correct the problems and derive optimal benefits from the project.

A similar interview was conducted with the personnel at the district, block and village level. Through these interviews it was possible to get a composite picture of the implementation of the programme at various levels from the providers perspectives. The data on funds provided and utilised in each year was obtained at the centre, state and district level. At field level data was collected from ration shop workers, anganwadi workers and households.

### **Nutritional assessment**

The evaluation team checked the balances available in each anganwadi for accuracy and sensitivity. All adolescent girls in the identified households were weighed so that data proportion of girls in the district with weight less than 35 kg could be computed

### **Meeting of the Task Force**

NFI constituted a Task Force to oversee the study. The Members of the Task Force are indicated in Annexure 3f. The Task force met on 18<sup>th</sup> April 2006, considered and approved the proposed study design, investigators, proforma for data collection and data analysis plan. The minutes of the Task force meeting is given in Annexure 3f.

### **Investigator's meeting**

The investigators meeting was organised at NFI on 11<sup>th</sup> and 12<sup>th</sup> May 2006. The study design, methodology and proformae for data collection were discussed in detail. All the investigators were taken to the North West Delhi where the NFI team was carrying out the evaluation for orientation training. The first instalment of grant for the study and proformae for data collection from state, district, ration shop, anganwadi and household were given to each investigators was handed over to the investigators at the meeting so that they could initiate the recruitment and training of the investigators as soon as they return

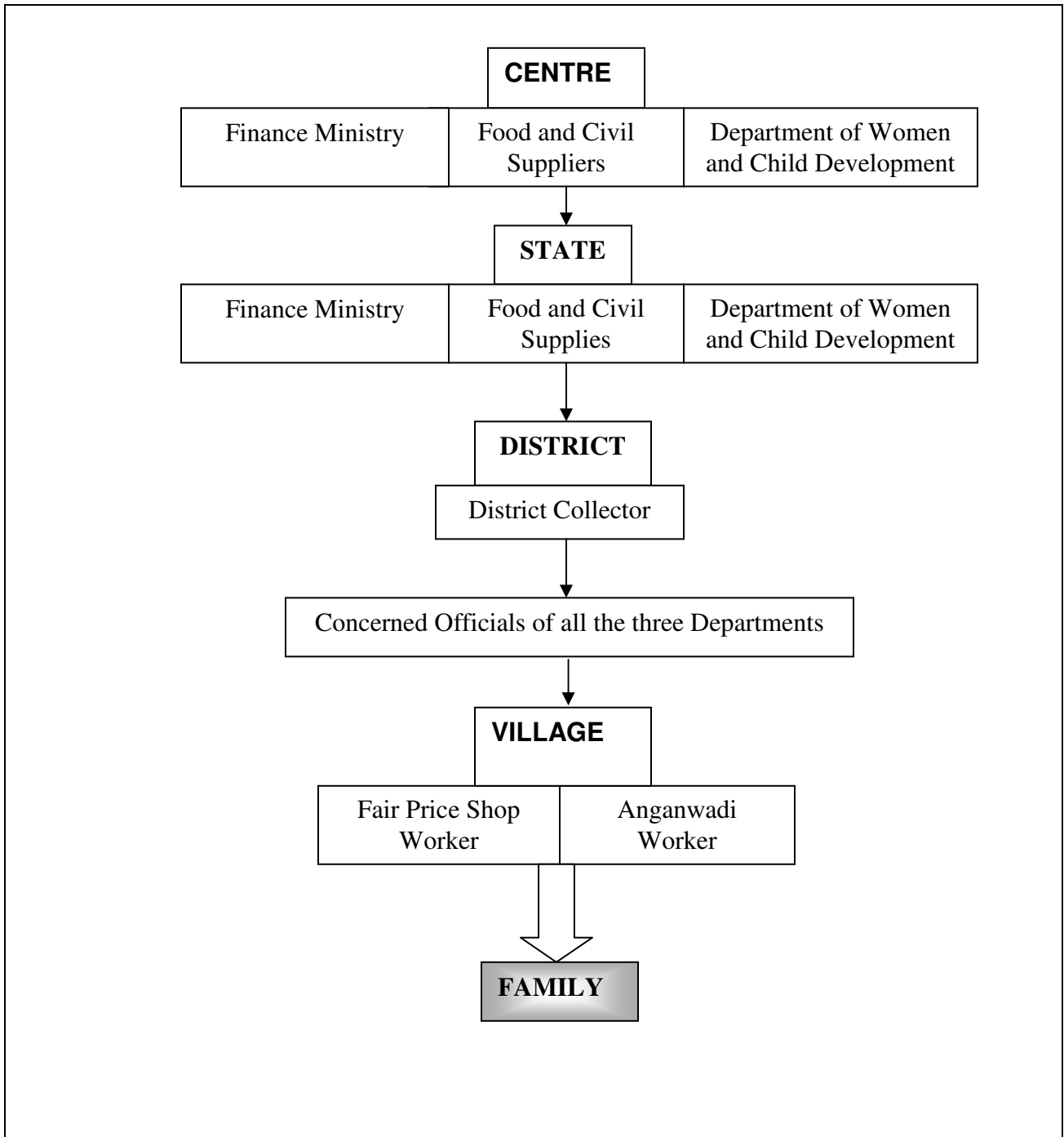
### **Data collection**

Soon after their return most of the Principal investigators recruited and trained the investigators who were to collect the data in the households and anganwadis form the selected PSU. However there were differences in time when data collection was initiated and even greater difference in the date by which data collection was completed (Annexure 3g). To a large extent these were due to adverse climatic conditions such as monsoon in Mizoram and Kalahandi and

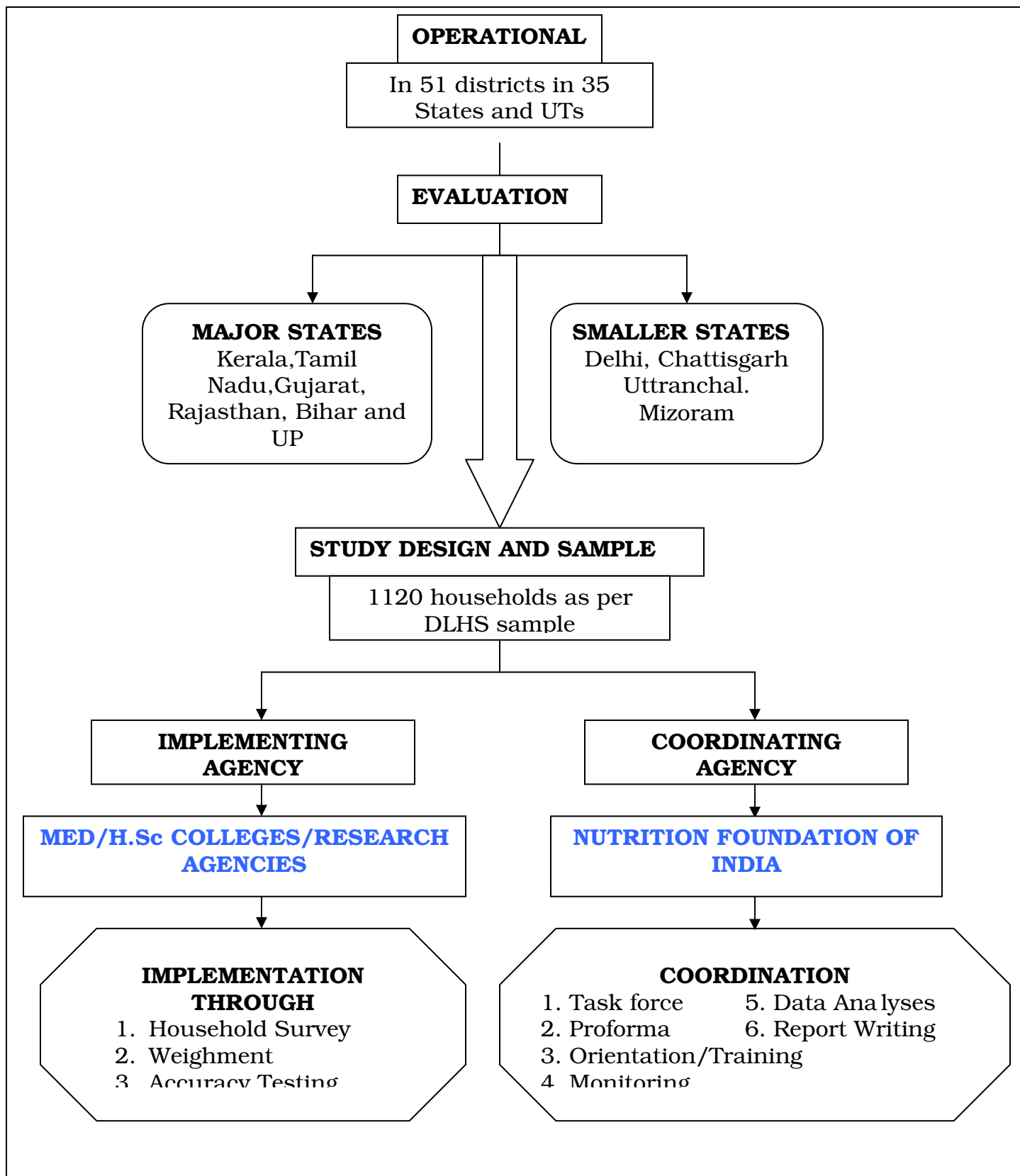
summer heat in Rajasthan. However all the centres did complete the evaluation. In many of the states the NPAG programme was operational only in rural ICDS blocks and not in urban ICDS blocks. In these states evaluation was done only in rural PSUs. At few places PSUs didn't have anganwadi, so the nearby area similar to PSU given was chosen and evaluation was done after receiving approval from Task force members.

### **Data scrutiny, data entry and analysis**

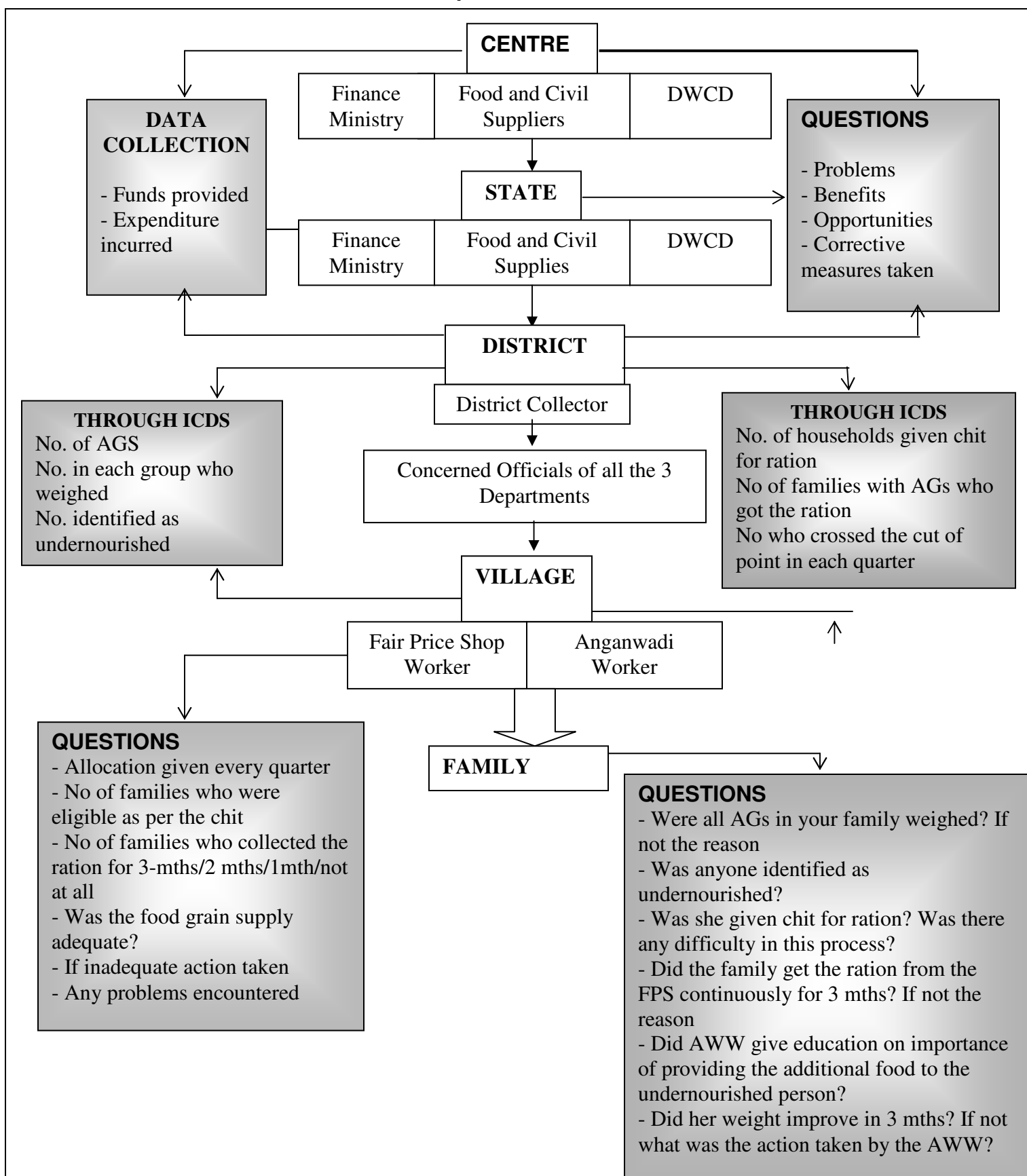
As soon as the forms were received they were scrutinised by the NFI team. As and when any discrepancies and problems in proforma were detected, the investigators were contacted and clarifications were obtained. After rectification data from the household and anganwadi forms were entered. Data analysis was carried out at NFI and the state specific draft reports were prepared. These along with the tables were then sent to the Principal Investigators for review and were then finalised taking into account their comments. In addition to the state specific reports, the ten state urban rural summary report was prepared.

**Organisational structure of the programme**

## Evaluation –Frame Work

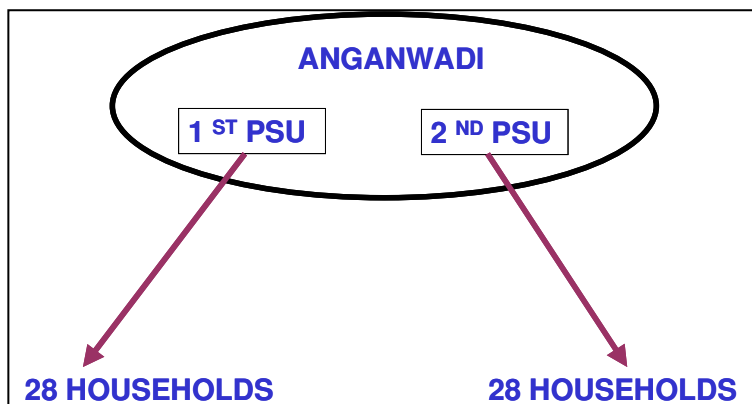
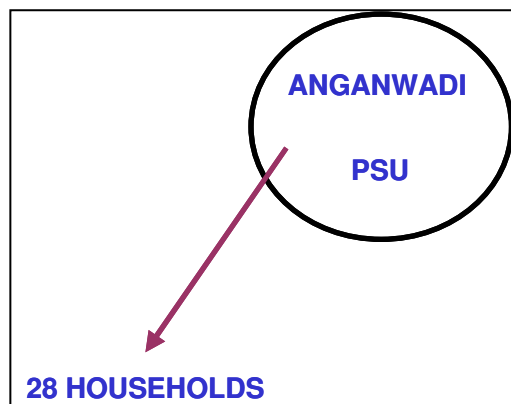
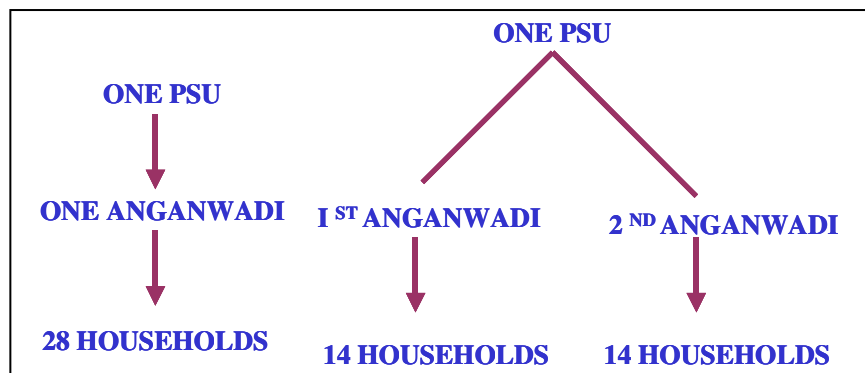
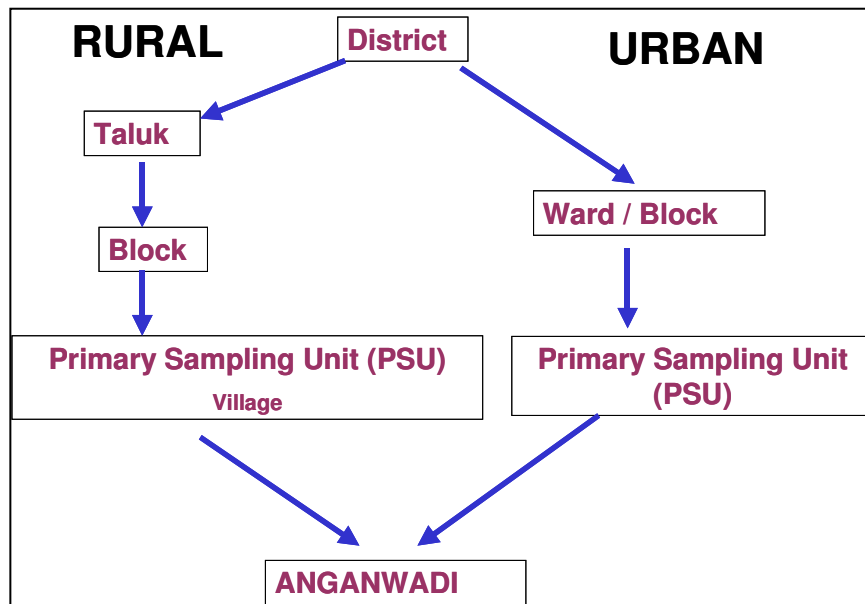


## Evaluation questions - At different levels





Different procedures for selection of PSUs and anganwadi for evaluation



Proforma 1			
Centre level- Finance Department			
Name and designation of the officer:			
Department:			
City:			
State:			
Q. No.		Q. No.	Code/ No.
1	How long have you been involved in implementation of the project (code in months)?	1	
2	In your department are there any specific guidelines for implementation of the project? 1. Yes 2.No	2	
	If yes, specify		
3	If earlier guidelines did you issue any guidelines? 1. Yes 2.No	3	
	If yes, specify		
4	Are you facing any problems in implementation/ monitoring of the programme? 1. Yes 2.No 9. N.A.	4	
	If yes, specify		
5	What corrective measures have you taken in handling these problems? 1. Yes 2. No 9. N.A.	5	
	If yes, specify		
6	What do you think are the benefits and opportunities of this project?	6	
	Specify		

### Details of funds allocated to the States

Name of the State/District	1 <sup>st</sup> installment		2 <sup>nd</sup> installment		3 <sup>rd</sup> . installment		4 <sup>th</sup> . installment	
	Date	Rs in lakhs	Date	Rs in lakhs	Date	Rs in lakhs	Date	Rs in lakhs
2002-03								
2003-04								
2004-05								
2005-06								

### Details of funds released to the States

Name of the State/District	1 <sup>st</sup> installment		2 <sup>nd</sup> installment		3 <sup>rd</sup> . installment		4 <sup>th</sup> . installment	
	Date	Rs in lakhs	Date	Rs in lakhs	Date	Rs in lakhs	Date	Rs in lakhs
2002-03								
2003-04								
2004-05								
2005-06								

Proforma 2			
Centre level- Civil Supplies Department			
Name and designation of the officer:			
Department:			
City:			
State:			
Q. No.		Q. No.	Code
1	How long have you been involved in implementation of the project (code in months)?	1	
2	In your department are there any specific guidelines for implementation of the project? 1. Yes 2.No	2	
	If yes, specify		
3	If earlier guidelines did you issue any guidelines? 1. Yes 2.No	3	
	If yes, specify		
4	Are you facing any problems in implementation/ monitoring of the programme? 1. Yes 2.No 9. N.A.	4	
	If yes, specify		
5	What corrective measures have you taken in handling these problems? 1. Yes 2. No 9. N.A.	5	
	If yes, specify		
6	What do you think are the benefits and opportunities of this project?	6	
	Specify		

### Details of food supplies allocated by the Centre to the States

Name of the State	1 <sup>st</sup> . installment			2 <sup>nd</sup> installment			3 <sup>rd</sup> Installment			4 <sup>th</sup> installment			
	Year	Date	Type of grain	Amount	Date	Type of grain	Amount	Date	Type of grain	Amount	Date	Type of grain	Amount
	2002-03												
	2003-04												
	2004-05												
	2005-06												

### Details of food supplies released by the Centre to the States

Name of the State	1 <sup>st</sup> . installment			2 <sup>nd</sup> installment			3 <sup>rd</sup> Installment			4 <sup>th</sup> installment			
	Year	Date	Type of grain	Amount	Date	Type of grain	Amount	Date	Type of grain	Amount	Date	Type of grain	Amount
	2002-03												
	2003-04												
	2004-05												
	2005-06												

Proforma 3			
Centre Level- Department Of Women and Child Development			
Name and designation of the officer:			
Department:			
City:			
State:			
Q. No.		Q. No.	Code
1	How long have you been involved in implementation of the project (code in months)?	1	
2	In your department are there any specific guidelines for implementation of the project? 1. Yes 2.No	2	
	If yes, specify		
3	If earlier guidelines did you issue any guidelines? 1. Yes 2.No	3	
	If yes, specify		
4	Are you facing any problems in implementation/ monitoring of the programme? 1. Yes 2.No 9. N.A.	4	
	If yes, specify		
5	What corrective measures have you taken in handling these problems? 1. Yes 2. No 9. N.A.	5	
	If yes, specify		
6	What do you think are the benefits and opportunities of this project?	6	
	Specify		

### Details of funds allocated by the Centre to the States

Name of the State/District	1 <sup>st</sup> installment		2 <sup>nd</sup> installment		3 <sup>rd</sup> installment		4 <sup>th</sup> installment	
	Date	Rs in lakhs	Date	Rs in lakhs	Date	Rs in lakhs	Date	Rs in lakhs
2002-03								
2003-04								
2004-05								
2005-06								

### Details of food supplies released by the Centre to the States

Name of the State	1 <sup>st</sup> installment			2 <sup>nd</sup> installment			3 <sup>rd</sup> Installment			4 <sup>th</sup> installment		
	Date	Type of grain	Amount	Date	Type of grain	Amount	Date	Type of grain	Amount	Date	Type of grain	Amount
2002-03												
2003-04												
2004-05												
2005-06												

<b>Proforma 4</b>			
<b>State level- Finance Department</b>			
<b>Name and designation of the officer:</b>			
<b>Department:</b>			
<b>City:</b>			
<b>State:</b>			
Q. No.		Q. No.	Code
1	How long have you been involved in implementation of the project (code in months)?	1	
2	In your department are there any specific guidelines for implementation of the project? 1. Yes 2.No	2	
	If yes, specify		
3	If earlier guidelines did you issue any guidelines? 1. Yes 2.No	3	
	If yes, specify		
4	Are you facing any problems in implementation/ monitoring of the programme? 1. Yes 2.No 9. N.A.	4	
	If yes, specify		
5	What corrective measures have you taken in handling these problems? 1. Yes 2. No 9. N.A.	5	
	If yes, specify		
6	What do you think are the benefits and opportunities of this project?	6	

### Details of funds released from Centre to States

Name of the State/District	1 <sup>st</sup> installment		2 <sup>nd</sup> installment		3 <sup>rd</sup> installment		4 <sup>th</sup> installment	
	Date	Rs in lakhs	Date	Rs in lakhs	Date	Rs in lakhs	Date	Rs in lakhs
2002-03								
2003-04								
2004-05								
2005-06								

### Details of funds released from State to District

Name of the State/District	1 <sup>st</sup> installment		2 <sup>nd</sup> installment		3 <sup>rd</sup> installment		4 <sup>th</sup> installment	
	Date	Rs in lakhs	Date	Rs in lakhs	Date	Rs in lakhs	Date	Rs in lakhs
2002-03								
2003-04								
2004-05								
2005-06								

<b>Proforma 5</b>			
State level- Civil Supplies Department			
Name and designation of the officer:			
Department:			
City:			
State:			
Q. No.		Q. No.	Code
1	How long have you been involved in implementation of the project (code in months)?	1	
2	In your department are there any specific guidelines for implementation of the project? 1. Yes 2.No	2	
	If yes, specify		
3	If earlier guidelines did you issue any guidelines? 1. Yes 2.No	3	
	If yes, specify		
4	Are you facing any problems in implementation/ monitoring of the programme? 1. Yes 2.No 9. N.A.	4	
	If yes, specify		
5	What corrective measures have you taken in handling these problems? 1. Yes 2. No 9. N.A.	5	
	If yes, specify		
6	What do you think are the benefits and opportunities of this project?	6	

### Details of food supplies released by Centre to States

Name of the State	1 <sup>st</sup> . installment			2 <sup>nd</sup> installment			3 <sup>rd</sup> Installment			4 <sup>th</sup> installment		
	Date	Type of grain	Amount	Date	Type of grain	Amount	Date	Type of grain	Amount	Date	Type of grain	Amount
2002-03												
2003-04												
2004-05												
2005-06												

### Details of food supplies released by State to District

Name of the State	1 <sup>st</sup> . installment			2 <sup>nd</sup> installment			3 <sup>rd</sup> Installment			4 <sup>th</sup> installment		
	Date	Type of grain	Amount	Date	Type of grain	Amount	Date	Type of grain	Amount	Date	Type of grain	Amount
2002-03												
2003-04												
2004-05												
2005-06												

Proforma 6			
State Level- Department Of Women and Child Development			
Name and designation of the officer:			
Department:			
City:			
State:			
Q. No.		Q. No.	Code
1	How long have you been involved in implementation of the project (code in months)?	1	
2	In your department are there any specific guidelines for implementation of the project? 1. Yes 2.No	2	
	If yes, specify		
3	If earlier guidelines did you issue any guidelines? 1. Yes 2.No	3	
	If yes, specify		
4	Are you facing any problems in implementation/ monitoring of the programme? 1. Yes 2.No 9. N.A.	4	
	If yes, specify		
5	What corrective measures have you taken in handling these problems? 1. Yes 2. No 9. N.A.	5	
	If yes, specify		
6	What do you think are the benefits and opportunities of this project?	6	

### Details of funds released by State to districts

Name of the State/District	1 <sup>st</sup> installment		2 <sup>nd</sup> installment		3 <sup>rd</sup> installment		4 <sup>th</sup> installment	
	Date	Rs in lakhs	Date	Rs in lakhs	Date	Rs in lakhs	Date	Rs in lakhs
2002-03								
2003-04								
2004-05								
2005-06								

### Details of food supplies released by State to districts

Name of the State	1 <sup>st</sup> installment			2 <sup>nd</sup> installment			3 <sup>rd</sup> Installment			4 <sup>th</sup> installment			
	Year	Date	Type of grain	Amount	Date	Type of grain	Amount	Date	Type of grain	Amount	Date	Type of grain	Amount
2002-03													
2003-04													
2004-05													
2005-06													

Proforma 7			
District level- Finance Department			
Name and designation of the officer:			
Department:			
City:			
State:			
Q. No.		Q. No.	Code
1	How long have you been involved in implementation of the project (code in months)?	1	
2	In your department are there any specific guidelines for implementation of the project? 1. Yes 2.No	2	
	If yes, specify		
3	If earlier guidelines did you issue any guidelines? 1. Yes 2.No	3	
	If yes, specify		
4	Are you facing any problems in implementation/ monitoring of the programme? 1. Yes 2.No 9. N.A.	4	
	If yes, specify		
5	What corrective measures have you taken in handling these problems? 1. Yes 2. No 9. N.A.	5	
	If yes, specify		
6	What do you think are the benefits and opportunities of this project?	6	

### Details of funds received by District

Name of the State/District	1 <sup>st</sup> installment		2 <sup>nd</sup> installment		3 <sup>rd</sup> installment		4 <sup>th</sup> installment	
	Date	Rs in lakhs	Date	Rs in lakhs	Date	Rs in lakhs	Date	Rs in lakhs
2002-03								
2003-04								
2004-05								
2005-06								

### Details of funds provided to PDS

Name of the State/District	1 <sup>st</sup> installment		2 <sup>nd</sup> installment		3 <sup>rd</sup> installment		4 <sup>th</sup> installment	
	Date	Rs in lakhs	Date	Rs in lakhs	Date	Rs in lakhs	Date	Rs in lakhs
2002-03								
2003-04								
2004-05								
2005-06								



<b>Proforma 8</b>			
<b>District level- Civil Supplies Department</b>			
<b>Name and designation of the officer:</b>			
<b>Department:</b>			
<b>City:</b>			
<b>State:</b>			
Q. No.		Q. No.	Code
1	How long have you been involved in implementation of the project (code in months)?	1	
2	In your department are there any specific guidelines for implementation of the project? 1. Yes 2.No	2	
	If yes, specify		
3	If earlier guidelines did you issue any guidelines? 1. Yes 2.No	3	
	If yes, specify		
4	Are you facing any problems in implementation/ monitoring of the programme? 1. Yes 2.No 9. N.A.	4	
	If yes, specify		
5	What corrective measures have you taken in handling these problems? 1. Yes 2. No 9. N.A.	5	
	If yes, specify		
6	What do you think are the benefits and opportunities of this project?	6	

### Details of food supplies released by State to district

Name of the State	1 <sup>st</sup> . installment			2 <sup>nd</sup> installment			3 <sup>rd</sup> Installment			4 <sup>th</sup> installment		
	Date	Type of grain	Amount	Date	Type of grain	Amount	Date	Type of grain	Amount	Date	Type of grain	Amount
2002-03												
2003-04												
2004-05												
2005-06												

### Details of food supplies released by District to the ration shops

Name of the State	1 <sup>st</sup> . installment			2 <sup>nd</sup> installment			3 <sup>rd</sup> Installment			4 <sup>th</sup> installment		
	Date	Type of grain	Amount	Date	Type of grain	Amount	Date	Type of grain	Amount	Date	Type of grain	Amount
2002-03												
2003-04												
2004-05												
2005-06												

Proforma 9			
District level- Department of Women and Child Development			
Name and designation of the officer:			
Department:			
City:			
State:			
Q. No.		Q. No.	Code
1	How long have you been involved in implementation of the project (code in months)?	1	
2	In your department are there any specific guidelines for implementation of the project? 1. Yes 2.No	2	
	If yes, specify		
3	If earlier guidelines did you issue any guidelines? 1. Yes 2.No	3	
	If yes, specify		
4	Are you facing any problems in implementation/ monitoring of the programme? 1. Yes 2.No 9. N.A.	4	
	If yes, specify		
5	What corrective measures have you taken in handling these problems? 1. Yes 2. No 9. N.A.	5	
	If yes, specify		
6	What do you think are the benefits and opportunities of this project?	6	

### Details of funds provided to PDS

Name of the State/District	1 <sup>st</sup> installment		2 <sup>nd</sup> installment		3 <sup>rd</sup> installment		4 <sup>th</sup> installment	
	Date	Rs in lakhs	Date	Rs in lakhs	Date	Rs in lakhs	Date	Rs in lakhs
2002-03								
2003-04								
2004-05								
2005-06								

### Details of food supplies released by District to the ration shops

Name of the State	1 <sup>st</sup> installment			2 <sup>nd</sup> installment			3 <sup>rd</sup> installment			4 <sup>th</sup> installment			
	Year	Date	Type of grain	Amount	Date	Type of grain	Amount	Date	Type of grain	Amount	Date	Type of grain	Amount
	2002-03												
	2003-04												
	2004-05												
	2005-06												

## EVALUATION OF NUTRITION PROGRAMME FOR ADOLESCENT GIRLS

### RATION SHOP PROFORMA

STATE: \_\_\_\_\_ DISTRICT: \_\_\_\_\_ VILLAGE/ TOWN: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_ LICENSE NUMBER \_\_\_\_\_

Q. No.		Q. No.	Code
1	Do you know that undernourished adolescent girls get 6 kg of food grains /month free of cost? 1. Yes 2. No	1	
2	Is your ration shop providing food grains to them? 1. Yes 2. No	2	
3	Do you get monthly supply of food grains for this project 1. Yes 2. No	3	
4	Is the food grain supply regular? 1. Yes 2. No	4	
5	Is the food grain supply adequate? 1. Yes 2. No	5	

6. Can you give us details of food grains (in Kg) received and distributed since the programme began?

Period	1st installment		2 <sup>nd</sup> installment		3 <sup>rd</sup> Installment		4 <sup>th</sup> installment	
Year	Amount received	Amount distributed	Amount received	Amount distributed	Amount received	Amount distributed	Amount received	Amount distributed
2002-03								
2003-04								
2004-05								
2005-06								

7. How many chits did you receive and gave rations in the last 12 months?

Month	Number of Chits	Month	Number of chits	Month	Number of Chits	Month	Number of chits
1		4		7		10	
2		5		8		11	
3		6		9		12	

8. In the last three months how many families collected the ration using those chits?

Months	Number of Families who brought chits
All 3 months	
2 months	
Only 1 month	

Q. No.		Q. No.	Code
9	Are you facing any problems in implementation/ monitoring of the programme? 1. Yes 2.No	9	
10	If yes what kinds of problems do you face? 1. Irregular supply of food grains 2. Girls/families do not come to collect rations 3. No stock 4. Added burden of maintaining records	10	
11	What corrective measures have you taken in handling these problems? 1. Inform higher authorities 2. Any other	11	
12	What do you think are the benefits of this project? 1. Improved nutritional status of girls 2. Improving household food security	12	
13	Do you think that this project should continue? 1. Yes 2. No	13	
	If yes, specify		

Name of Investigator: \_\_\_\_\_

Centre: \_\_\_\_\_

Date: \_\_\_\_\_

**EVALUATION OF NUTRITION PROGRAMME FOR ADOLESCENT GIRLS  
ANGANWADI PROFORMA**

Q.No.		Q.No.	Code/ No.
1	State/ District-	1	
2	Anganwadi Centre code	2	
3	Number of households under the anganwadi	3	
4	Total population under anganwadi	4	
5	Supply of foods to anganwadi in last month		
5.1	Cereals (Kgs/month)-	5.1	
5.2	Pulses (Kgs/month)-	5.2	
6	Type of food provided 1. Food grains 2. RTE 3. Cooked food 4. Any other specify- 5. Combination, specify	6	
7	Persons registered in the anganwadi		
7.1	Number of children 7-12 months	7.1	
7.2	Number of children 1- 3 years	7.2	
7.3	Number of children - 3-6 years	7.3	
7.4	Number of pregnant women	7.4	
7.5	Number of lactating women	7.5	
7.6	Number of adolescent girls	7.6	
8	Under the NPAG scheme are you		
8.1	Weighing all adolescent girls	1. Yes 2. No	8.1
8.2	Identifying girls < 35 Kg	1. Yes 2. No	8.2
8.3	Distributing chits to those < 35 kg	1. Yes 2. No	8.3
8.4	Request them to collect grains from ration shops	1. Yes 2. No	8.4
8.5	Giving nutrition and health education	1. Yes 2. No	8.5
9	Were you given orientation training in weighing?	1. Yes 2. No	9
10	Were you given an adult weighing scale?	1. Yes 2. No	10
11	How do you check the weighing scale for accuracy? 1. Do not check, 2. Adjusting zero error 3. With std. weight (1/2 Kg 1 Kg) 4. With std. weight + ado girl 5. With std. Weight + ado girl & removing std weight 6. Any other		11
12	Demonstration of method for checking weighing scale 1. Satisfactory 2. Not satisfactory		12
13	When did you last check it for accuracy? 1. Less than a week 2. Less than a fortnight 3. Less than a month 4. More than a month 5. Just before weighing today		13
14	Investigator to check and record accuracy with standard weights 1. Accurate ½ kg 2. Inaccurate- < 1 Kg 3. Inaccurate- > 1 Kg		14
15	Demonstration of weighing of Adolescent/child by AWW 1. Correct 2. Incorrect		15
16	Were you given orientation training in nutrition and health education	1. Yes 2. No	16
17	Do you have the records of work done for this project since 2002- 03? 1. Yes 2. No. (If yes, Investigator to make Copy of all available the records and attach with Proforma)		17
18	When did you start the programme in 2005-06?		18
19	Is the programme ongoing now? 1. Yes 2. No <b>if 2 go to Q. No. 36</b>		19
20	What kind problem do you face in implementation of the programme? 1. No problems 2. Absence of accurate weighing scale 3. Girls do not get weighed 4. Girls do not pick up ration from ration shop 5. Girls do not consume additional food 6. Non-availability of rations in ration shops 7. No link between AWW and ration shop 8. Any other		20
21	What corrective measures have you taken in handling these problems? 1. Inform the authorities 2. Making families and adolescent girls aware of the importance of the programme 3. Any other		21
22	Do you get any support/assistance from the		
22.1	PRI	1. Yes 2. No	22.1
22.2	Ration shop	1. Yes 2. No	22.2
22.3	Family of the girls	1. Yes 2. No	22.3
22.4	ANM	1. Yes 2. No	22.4
23	Does NPAG		
23.1	Improve nutritional status	1. Yes 2. No	23.1
23.2	Improve participation in KSY	1. Yes 2. No	23.2

Q.		Last completed round				Current round			
		Q.No.		Number/ code		Q.No.		Number/ code	
24	Date, month, year when round began	24.1				24.2			
25	How many households are there in your area	25.1				25.2			
26	How many adolescent girls did you identify	26.1				26.2			
27	How many adolescent girls did you weigh	27.1				27.2			
28	How many adolescent girls were below 35 kg	28.1				28.2			
29	How many new adolescent girls weighing <35 kg were detected	29.1				29.2			
30	Number of chits distributed to adolescent girls	30.1				30.2			
31	Does the adolescent girl-receiving chit receive food supplement from aanganwadi centre also 1. Yes 2. No	31.1				31.2			
32	How many adolescent girls below 35 kg took								
	Rations for 1 month	32.11				32.21			
	Rations for 2 month	32.12				32.22			
33	Rations for all 3 months	32.13				32.23			
	How many adolescent girls who took 3 months supplements had								
	No change in weight	33.11				33.21			
	Deterioration in weight	33.12				33.22			
34	Showed improvement in weight but less than 35 kg	33.13				33.23			
	Crossed 35 kg	33.14				33.24			
34	How many received nutrition and health education	34.1				34.2			
35	How many of the adolescent girls receive cooked food supplements from aanganwadi	35.1				35.2			
	<b>Pregnant Woman (date, month and year when round began)</b>								
36	How many pregnant women did you identify	36.1				36.2			
37	Did you weigh pregnant women 1. Yes 2. No	37.1				37.2			
38	If yes the number of women weighed	38.1				38.2			
39	How many pregnant women were <40 kg	39.1				39.2			
40	How many of the pregnant women receive cooked food supplements from aanganwadi	40.1				40.2			
	<b>Lactating Woman</b>								
41	How many lactating women did you identify	41.1				41.2			
42	Did you weigh lactating women 1. Yes 2. No	42.1				42.2			
43	If yes the number of women weighed	43.1				43.2			
44	How many lactating women were <40 kg	44.1				44.4			
45	How many of the lactating women receive cooked food supplements from aanganwadi	45.1				45.2			
46	Did you give nutrition and health education to pregnant and lactating women 1. Yes 2. No	46.1				46.2			
	<b>Child (0-3 years)</b>	<b>Q</b>	<b>M</b>	<b>Q</b>	<b>F</b>	<b>Q</b>	<b>M</b>	<b>Q</b>	<b>F</b>
47	How many children (0-3 years) did you identify (M+F)	47.1		47.2		47.3		47.4	
48	Did you weigh children (0-3years) 1. Yes 2. No	48.1		48.2		48.3		48.4	
49	If yes number of children weighed (M+F)	49.1		49.2		49.3		49.4	
50	How many children were								
	Normal (M+F)	50.11		50.21		50.31		50.41	
	Underweight (M+F)	50.12		50.22		50.32		50.42	
51	Severely underweight (M+F)	50.13		50.23		50.33		50.43	
	How many of the children receive cooked food supplements from aanganwadi (M+F)	50.1		50.2		50.3		50.4	
	<b>Child (3-6 years)</b>	<b>Q</b>	<b>M</b>	<b>Q</b>	<b>F</b>	<b>Q</b>	<b>M</b>	<b>Q</b>	<b>F</b>
52	How many children (3-6 years) did you identify (M+F)	52.1		52.2		52.3		52.4	
53	Did you weigh children (3-6 years) 1. Yes 2. No	53.1		53.2		53.3		53.4	
54	If yes number of children weighed (M+F)	54.1		54.2		54.3		53.4	
55	How many children were								
	Normal (M+F)	55.11		55.21		55.31		55.41	
	Underweight (M+F)	55.12		55.22		55.32		55.42	
56	Severely underweight (M+F)	55.13		55.23		55.33		55.43	
	How many children (3-6 years) receive food supplements from aanganwadi (M+F)	56.1		56.2		56.3		56.4	

Name of Investigator:

Centre:

Date:



Q.No.		Q.No.	Code/ No.
21	Means of Entertainment 1. Radio 2. T.V. (B/W) 3. T.V. (Colour) 4. None	21	
22	Kitchenware (predominantly) 1. Clay 2. Aluminium 3. Cast Iron 4. Brass/Copper 5. Stainless steel	22	
23	Number of household members in following age groups		
23.1	0-<3 years 1. None 2. One 3. Two 4. > Two	23.1	
23.2	3-6 years 1. None 2. One 3. Two 4. > Two	23.2	
23.3	Adolescent Girls (10-19 years) 1. None 2. One 3. Two 4. > Two	23.3	
23.4	Pregnant woman 1. None 2. One 3. Two	23.4	
23.5	Lactating woman 1. None 2. One 3. Two	23.5	
24.1	How many kilos of rice and wheat do you use for your household in a month?	24 & 24.1	
25	Do you have a ration card? 1. Yes 2. No	25	
26	Do you get food grains from ration shop? 1. Yes 2. No	26	
27	How many kgs of food grains do you buy from PDS?	27	
28	Do you know about anganwadi in your area? 1. Yes 2. No	28	
29	When you/your children get supplement, do you want to 1. Stay and eat it there 2. Collect food and go home 3. Stay at anganwadi even after eating the food 4. Do not get any supplement from anganwadi 5. Get only take home type of supplement 6. One family member collects for all	29	
30	<b>Pregnant woman 1. Present 2. Not present, if 2 go to 37</b>	30	
31	Do you visit anganwadi centre? 1. Never 2. <10 days 3. 10-20 days 4. >20 days/ month	31	
33	How many days did you visit the centre in the last month?	33	
34	Have you received any nutrition and health education at the centre? 1. Yes 2. No	34	
35	Do you take food supplement from the anganwadi centre? 1. Yes 2. No	35	
36	How many days have you taken food supplement in the last month?	36	
37	<b>Lactating woman 1. Present 2. Not present, if 2 go to 44</b>	37	
38	Do you visit anganwadi centre? 1. Never 2. <10 days 3. 10-20 days 4. >20 days/ month	38	
40	How many days did you visit the centre in the last month?	40	
41	Have you received any nutrition and health education at the centre? 1. Yes 2. No	41	
42	Do you take food supplement from the anganwadi centre? 1. Yes 2. No	42	
43	How many days have you taken food supplement in the last month?	43	
44	<b>Children (0-3 years) 1. Present 2. Not present, if 2 go to 52</b>	44	
45	Do you take your child to anganwadi centre? 1. Never 2. <10 days 3. 10-20 days 4. >20 days/ month	45	
46	How many days did you take your child to the centre in the last month?	46	
47	Have you received any nutrition and health education at the centre? 1. Yes 2. No	47	
48	Do you take food supplement for the child from the anganwadi centre? 1. Yes 2. No	48	
49	How many days have you taken food supplement in the last month?	49	
50	Did the anganwadi worker weigh your child at the centre? 1. Yes 2. No	50	
51	What was the nutritional status of the child when he was last weighed? 1. Normal 2. Undernourished 3. Severely Undernourished	51	
52	<b>Children (3-6 years) 1. Present 2. Not present, if 2 go to 60</b>	52	
53	Do you take your child to anganwadi centre? 1. Never 2. <10 days 3. 10-20 days 4. >20 days/ month	53	
54	How many days did you take your child to the centre in the last month?	54	
55	Have you received any nutrition and health education at the centre? 1. Yes 2. No	55	
56	Do you take food supplement for the child from the anganwadi centre? 1. Yes 2. No	56	
57	How many days have you taken food supplement in the last month?	57	
58	Did the anganwadi worker weigh your child at the centre? 1. Yes 2. No	58	
59	What was the nutritional status of the child when he was last weighed? 1. Normal 2. Undernourished 3. Severely Undernourished 4. Do not know	59	

Q.No.		Q.No.	Code/ No.
60	<b>Adolescent Girl Name</b> 1. Present 2. Not present, if 2 go to 82	60	
61	Age of the adolescent girl (years)	61	
62	Literacy status 1. Illiterate 2.Can read or write 3. Schooling- primary 4. Schooling-secondary or more	62	
63	Marital status 1. Currently Married 2. Never married 3. Widow/Separated/Divorcee	63	
64	If married, age of marriage 1. 10-13 years 2. 13-16 years 3. 16-19 years	64	
65	Actual Weight in Kgs (weighed by the investigator)	65	
66	Do you know about KSY and NPAG? 1. Yes 2. No	66 & 66.1	
67	Do you visit anganwadi centre? 1. Yes for KSY 2. Yes for NPAG 3. No	67	
68	Have you received any nutrition and health education at the centre? 1. Yes 2. No	68	
69	Have you received any Iron/Folic acid tablets? 1. Yes 2. No	69	
70	Do you take food supplement from the anganwadi centre? 1. Never 2. <10 days 3. 10-20 days 4. >20 days/ month	70	
71	How many days have you taken food supplement in the last month?	71	
72	Were you ever weighed by the AWW during last three months 1. Yes 2. No	72	
73	If yes, was your weight less than 35 kg? 1. Yes 2. No <b>If the adolescent girl weighs less than 35 kg ask her following set of questions.</b>	73	
74	Were you given a chit for obtaining free food grains? 1. Yes 2. No	74	
75	Did you / your family go to the ration shop to get the grains? 1. Yes 2. No	75	
76	Did you get the food grains from the ration shop? 1. Yes for one month 2. For two months 3. For three months 4. Never	76	
77	Reason for not getting food grains from ration shop 1. Not aware of NPAG 2. Did not go to ration shop 3. Ration shop closed 4. Ration shop open but no stock 5. Do not require ration	77	
78	If the family is getting additional grains under NPAG, after getting the additional grains from ration shop how many Kg of food grains do you use in a month for your family_____	78	
79	Did your family / children get more food because of NPAG? 1. Yes 2. No	79	
80	Did you get more food after being enrolled in the NPAG? 1. Yes 2. No	80	
81	At the end of three months 1. No change in weight 2. Deterioration in weight 3. improvement in weight but less than 35 kg 4. Crossed 35 kg	81	

Q.No. 82-86 If your family given a choice how would you like food supplementation to be given to					
Key: Type of food supplement 1. Food Grains 2. RTE 3. Hot cooked meal					
Reason for preference - 1. Easy to access 2. Satiety 3. Nutritious 4. Convenience 5. Combination					
	Age/ Physiological status	Type of food supplement		Reason for preference	
		Q. No.	Code	Q. No.	Code
82	0-3 years	82.1		82.2	
83	3-6 years	83.1		83.2	
84	Pregnant women	84.1		84.2	
85	Lactating women	85.1		85.2	
86	Adolescent girls	86.1		86.2	

87	In your opinion who should get the food supplements Key: 1. All in the community 2. Only undernourished in the community 3. All those coming to anganwadi 4. Only undernourished among those coming to anganwadi	Q. No.	Code
87.1	Preschool children	87.1	
87.2	Pregnant women	87.2	
87.3	Lactating women	87.3	
87.4	Adolescent girls	87.4	



If there are more than one pregnant/lactating women, preschool children or adolescent girl, give the name and age of the person, ask relevant question and write question number and code number in the space below.

## REMARKS

Name of the Investigator

Center

Date

### **Minutes of the first Task Force meeting of “Evaluation of nutrition programme for adolescent Girls”**

The first meeting of the Task Force for “Evaluation of nutrition programme for adolescent Girls” was held at Nutrition Foundation of India on 18.04.2006. The list of invitees, those who attended the meeting and the agenda for the meeting is in Annexure I and II. Mr. Chaman Kumar and Dr. S.P. Pal regretted their inability to attend the meeting.

Dr Gopalan, President, NFI welcomed the participants of the meeting. He stated that India has an excellent track record of conceptualizing and planning of interventions however implementation has been poor and hence outcomes such as improvement in nutritional status are sub optimal. He stated that the major factors responsible for poor implementation of a programme are inadequate infrastructure, lack of well-trained committed manpower and poor supply chain; close monitoring and mid course corrections is essential for better implementation.

Adolescent girls are an important vulnerable group whose needs- for education, health and nutrition are not addressed. NPAG is one of the pilot intervention for improving nutritional status of adolescent girls. DWCD has now entrusted NFI with the task of concurrent third party evaluation of food grain supplementation programme for adolescent girls. We hope to learn from this evaluation how far the programme implementation succeeded in the ten of the 51 districts in which it is in operation.

Dr. Prema Ramachandran, Director, NFI made a presentation on evaluation of the programme focusing on study design and sampling parameters for evaluation. She emphasized that the programme will be evaluated to assess the process of implementation and coverage as compared to the on the spot feeding programme for persons coming to the anganwadi. The list of proposed investigators for carrying out the evaluation in different states was presented and was agreed to.

Mr. Chattopadhyay stated that the DLHS sampling frame is appropriate to use because of its robust sampling procedure. He agreed to assist in obtaining primary sampling unit and household’s listing from IIPS as early as possible. He said that critical component of the evaluation is the assessment how NPAG is getting implemented at the village/urban block level as compared to the ICDS programme in these areas. In this context the aanganwadi worker, ration shop and household proformae needs elaboration to achieve the objectives of the evaluation. The aanganwadi proforma needs strengthening taking into account the reporting of formats and records.

Mrs. Jayalakshmi requested including socio-demographic profile of the households and whether they belong to and SC/ST/others category in the household proforma. It was agreed to include these and format of NFHS-2 for socio-demographic profile will be taken. She was requested to send a to Mrs. Rashmi Singh, Joint Director, NCT requesting her to take necessary steps to permit NFI to carry out pretesting of from next week and then start the evaluation in North West Delhi. This has to be done urgently so that NFI can undertake pretesting of proformae between 24-28 April and carry out required modification before the investigators meeting scheduled in 1<sup>st</sup> week of May.

Dr. Prabha stated that, over years there has been some discontinuity in the programme due to problems in funds released. 1st installment of funds for 2005-06 for all the states was released in July 2005, however 2<sup>nd</sup> installment was released only for those states that had requested.

Dr. Savithri gave the rationale for evaluation. The purpose of NFI's evaluation is to find out whether the programme is running successfully as compared to ICDS programme in the some areas so that decision can be taken on universalization of the programme in the country. At present the NPAG is just a pilot project running in 51 districts. As has been stated by Dr. Prabha there has been some discontinuity in providing funds for food grain supplementation in this project. But similar discontinuation due to various factors is seen in ICDS, as well as any programme run by other social sector departments. She also stated Central DWCD can provide data from center and state level regarding funds and food release but data from district level, aanganwadi, ration shop and households needs to be taken care of. Department of WCD will be able to give the data pertaining to fund release, progress in food grain supplementation in different years (2002-03 to 2005-06) in different districts, based on the reports and utilization certificates received from all the states. These can be cross-checked with the data provided by the state/district.

Dr. Jai Singh stated that there may be several reasons why the persons are not coming to aanganwadi or rationshop. It is preferable not to leave the query open ended. It is preferable to state and code common reasons- ration shop closed, food grain not available, no person is free to collect the ration, do not think that the girl requires additional food. Similarly reasons for not attending aanganwadi and getting food supplement should be elaborated. This was agreed to.

Mrs. Kambo emphasized that proforma on household level needs modification to elicit correct information and to make it more data entry and analysis friendly. This suggestion was also agreed to.

Dr. Prema requested the representatives from DWCD to issue letters to all the states for getting information on allocation and release of funds and food to the districts. In case the programme is not operational in the identified state that it was suggested to shift the state in which it is operationalised as it is more important to assess whether the beneficiaries are receiving their share and are getting the benefit if the programme is working appropriately.

Dr K. V. Rao agreed with all the suggestions made.

Dr. Prema said that all modifications suggested by the Task Force in the proformae would be carried out and circulated to all the Task Force members within a week for their approval. If necessary there may be another task force meeting before investigators meeting and training session in the first week of May.

The meeting ended with vote of thanks by Dr. Prema Ramachandran.

### **List of invitees**

Dr. C. Gopalan  
Dr K V Rao DG CSO  
Mr Chaman Kumar JS DWCD  
Dr SP Pal Adviser PEO, Planning Commission  
Mr Chattopadhyaya Chief Director Statistics DFW  
Mrs Jayalakshmi Adviser ( Statistics ) DWCD  
Dr Prabha Arora  
Dr. Jai Singh  
Dr Prema Ramachandran  
Dr Lalrin  
Mrs Savithri ( DWCD )  
Dr Sushma Sharma  
Mrs Kambo  
Scientific Staff of NFI

### **List of participants who attended the meeting**

Dr. C. Gopalan  
Dr K V Rao, DG, CSO  
Mr Chattopadhyaya, Chief Director Statistics DFW  
Mrs Jayalakshmi Adviser (Statistics) DWCD  
Dr. Prabha Arora  
Dr. Jai Singh  
Dr Prema Ramachandran  
Dr Lalrin  
Mrs Savithri (DWCD)  
Dr Sharma  
Mrs Kambo  
Scientific Staff of NFI

**NPAG evaluation – time frame**

<b>NPAG evaluation components</b>	<b>Date</b>
Evaluation project sanctioned	23.3.2006
Confirmation of participating centres/ PIs in centers	First week April
Draft proforma sent to PIs	
Task Force formation	Second week April
Draft proforma sent to task force members	
Task force meeting	18 April 2006
PSU lists obtained from IIPS	19 April 2006
Pretesting of proforma	Third Week April
Proforma sent to investigators for comments	
Finalization of proforma	Fourth Week April
Printing of proforma	8 May 2006
Investigators meeting	10-11 May 2006
PSU list sent to investigators	
Installment release to investigators	
Dispatch of proforma	
Initiation and completion of data collection	June –Nov 2006
Initiation and completion of data cleaning	Aug- Nov 2006
Initiation and completion of data entry	Aug- Nov 2006
Presentation of interim report to the MWCD	25.7.2006
State specific data analysis and draft report preparation	Sept- Nov 2006
State specific draft report sent to PI	Oct 2006
Summary ten state report prepared	Nov 2006
Report of the evaluation submitted to MWCD	Nov 2006