



**Nuclear Power Corporation Of India Limited  
(A Government of India Enterprise)**

**GUIDELINES**

on

**Baseline Survey of affected/nearby villages  
to  
Nuclear Power Project**

**No.NPCIL/R&R-CSR/2015/2/R(O)**

*Approved in the 4<sup>th</sup> Meeting of the Board level  
committee on CSR and Sustainability on 26<sup>th</sup>  
June 2014 and endorsed by the Board of  
Directors of NPCIL in its 157<sup>th</sup> meeting held on  
28<sup>th</sup> February 2015*

**Guidelines on Baseline Survey of affected /nearby villages  
to Nuclear Power Project**

---


**Prepared by**

:

  
**B.D.Jha**  
*Associate Director(R&R)*

**Checked by**


:

  
**(S.P.Dharne)**  
*Executive Director(HR)*

  
**(Rohit Banerjee)**  
*Executive Director (projects)*

**Reviewed by**

:

  
**(R.K. Gargye)**  
*Director(Projects)*

**Concurred by**

:

  
**(Preman Dinaraj)**  
*Director(Finance)*

**Approved by**

**(For putting up to Board  
Level Committee/Board)**

:

  
**(K.C.Purohit)**  
**CMD**

**Approved in the 4<sup>th</sup> Meeting of the Board level  
committee on CSR and Sustainability on  
26<sup>th</sup> June 2014 and endorsed by the Board of  
Directors of NPCIL in its 157<sup>th</sup> meeting held on  
28<sup>th</sup> February 2015**

# *Guidelines on Baseline Survey of affected /nearby villages to Nuclear Power Project*

---

## **GUIDELINES**

### **Introduction :**

An effective corporate social responsibility programme of a company provides hosts of benefits, including, risk management, brand differentiation, license to carry on business and many more. It is very important therefore to initiate the process of understanding community needs and evolve a plan of action to minimize their problems. In order to have baseline information about the communities residing around project site and assess their needs comprehensive survey is required to be conducted. It is objective assessment of various needs of the communities around Nuclear Power Sites. Based on the survey measures for effective implementation of CSR activities can be suggested confidently and much more objectively. Near NPCIL sites the Community development interventions had been implemented since beginning even without formal base line survey initiated by NPCIL. This base line survey will be able to reflect the exact status as of date and the future course of interventions. Also to some extent the status may be interpolated and compared with adjoining areas where such interventions have not taken place to assess the initial conditions in the absence of formal base line survey.

### 1. **Objectives of the Survey:**

- 1.1 To know the exact status of the village, before start of any developmental intervention by NPCIL or by some other agencies;
  - i) in terms of socio-economic parameters – preferably over time including existing one and
  - ii) in terms of coverage of different development schemes.
- 1.2 To compile data for identification of needs and areas of intervention, and facilitate preparation of a Village Development Plan under R&R/NDP/ CSR schemes of NPCIL, and
- 1.3 To serve as a benchmark against which to assess the progress due to intervention at the end of completion of intervention measures and assimilation of the impact of the same ( Typically say after 3 years ). This will be in addition to periodical monitoring.

### 2. **Contents of the Survey:**

Baseline Survey of a village will involve systematic collection & compilation of data in the following areas:-

- 2.1 Basic Data
- 2.2 Demographic Data
- 2.3 Housing
- 2.4 Economic Status of Households
- 2.5 Land-holding Pattern
- 2.6 Agriculture
- 2.7 Animal Husbandry & Fisheries

## ***Guidelines on Baseline Survey of affected /nearby villages to Nuclear Power Project***

---

- 2.8 Non-Farm Activities & Their Potential
- 2.9 Health & Nutritional Status of Women & Children
- 2.10 Educational Dynamics
- 2.11 Availability of Infrastructure
  - a. Physical Infrastructure
  - b. Social Infrastructure
  - c. Economic Infrastructure
- 2.12 Social Dynamics
- 2.13 Social Strengths: Availability of Civic Bodies/Civil Society Groups, NGOs, self help groups like “Bachat Gats” etc.
- 2.14 Banking & Credit, expenditure and income profiles.
- 2.15 Coverage under Various Development Schemes

A Suggested Format for Collection/Compilation of village data in relation to the above areas is enclosed. Unit head in consultation with R&R directorate, concerned State Government and the agency identified for survey may further discuss and suitably adapt them as per local conditions.

### **3. Principal Outcome of the Survey:**

- 3.1 Major Socio-Economic Indicators of the Village before initiation of any developmental intervention by NPCIL.
- 3.2 Important Development Needs of the Village as emerged out from the Survey.
- 3.3 The Prioritisation of the needs by the agency.
- 3.4 Suggested short term, intermediate term and long term intervention plans for bridging the gap observed with reference to desired development.
- 3.5 Suggestions for Implementing and monitoring systems and Mechanisms for interventions.

### **4. Suggested Methodology for the Baseline Survey:**

The Baseline Survey Outcome in the form of Report should include the following:

- 4.1 **Team Formation and Strategy:**
  - 4.1.1 All selected Villages (including their hamlets) belonging to a single Gram Panchayat should be constituted into one group. In case of group Gram Panchayats suitable format may be worked out on similar line.
  - 4.1.2 A Team may be constituted with full knowledge of functionaries of all relevant Departments of state government and preferably those who are posted in the villages.
  - 4.1.3 Surpanches, representatives and educated youth volunteers belonging to the concerned villages may be taken in to confidence before start of the survey. One or Two educated youth may be inducted in the team as per requirement.

## ***Guidelines on Baseline Survey of affected /nearby villages to Nuclear Power Project***

---

4.1.4 Inputs from enthusiastic teachers from a nearby Higher Sec. School, Degree College or other Educational Institution may also be obtained while making the team depending on the availability of their time and consent of school authority/state govt.

### 4.2 Training to team members :

Key members of the survey teams should be adequately trained specially on the format for data collection, approach to family, way of interactions etc. It is worth to mention that there are various types of surveys for which the people have to respond without any immediate gain. Every survey takes time. While planning, the time needs to be optimised. To the extent family should not be visited repeatedly and also without their conveniences. Where ever needed the data collection form may be get signed /endorsed by the respondent.

### 4.3 Survey Strategy :

#### 4.3.1 Sample design:

The sample consists of households selected through a two-stage sample design. Villages serve as primary sampling units (PSU). The rural villages to be stratified on the basis of villages with access to road and without access to road. The sample may be allocated to the villages proportionally to the square root of the population size according to population census.

The households in the selected villages to be listed prior to the survey. Typical number (say 20-50) in each village may be selected with systematic sampling in each village. The decision to select number of households per village should be practical decision and selection may be made such that the profile of the village is depicted up to fair representation.

#### 4.3.2 Conduct of survey:

After training, the Team should carry out the survey based on:

- a) Available records of the Village and Institutions/Govt. functionaries located in or serving the village.
- b) Latest available data from sources like Census, Cattle Census, Eco. Census, National Sample Survey Organisations (NSSO), National Family Health Survey (NFHS), DISE (Distt. Information System on Education), other surveys/studies/ sources must be referred. Also referring the past data may give better insight about the trends of various social, cultural, socio-economic and other associated system dynamics.
- c) Interaction with Gram Panchayat, Gram Sabha, Community Leaders and other individuals to be sought as per need.
- d) Household survey to be conducted to the extent necessary.

***Guidelines on Baseline Survey of affected /nearby villages  
to Nuclear Power Project***

---

- e) Timely Supervision and monitoring of Survey at different levels as per need is required.
- f) Once the Baseline Survey Document is ready, it should be shared at appropriate forum as per the directives of NPCIL /state government officials and there after may be finalized taking into account the comments received from different agencies.
- g) Number of copies of the report to be submitted needs to be decided in consultation with the R&R group of NPCIL, Project authority and concerned state government.
- h) A separate report covering the suggestive interventions to achieve enhanced social satisfaction, harmony, ecological status and quality of life of the people in general needs to be submitted for scrutinee and acceptance by the NPCIL authority.

**Guidelines on Baseline Survey of affected /nearby villages  
to Nuclear Power Project**

---

Suggested Format for Baseline Survey of a Village

**I. Basic Data of the Village**

1. District :
2. Block/Tehsil/Sub division :
3. Gram Panchayat :
4. Village :
5. No. of Hamlets :
6. Details of Hamlets:
7. Distance of the village from NPCIL site:
8. Average Annual Rainfall :
9. Soil Type :
10. Date/period of Compilation of Data:

I. .

S. No.	Name of the Hamlet	Distance from Main hamlet/habitation	Current (year of survey to be mentioned) Population			Remarks (e.g. whether has predominance of SCs,STs and other Soc. groups, etc.)
			M	F	T	
	Total					

**II. Demographic Data**

S. No	Category	Population					
		Mention year of last Census			Mention year of Present Census (2011)		
		M	F	T	M	F	T
1	All						
2	Of whom:- SC						
	ST						
3	Age Group-wise Distribution						
	i) 0-6 yrs.						
	ii) 6-14 yrs.						
	iii) 14-18 yrs.						
	iv) 18-35 yrs.						
	v) 35-60 yrs.						
	vi) 60-80 yrs.						
vii) > 80 yrs.							

**Guidelines on Baseline Survey of affected /nearby villages  
to Nuclear Power Project**

4	Total Working Age Population (18-59 yrs.)						
5	i) Out of S.No.4, no. and % which is employed						
	ii) round the year						
	iii) More than 100 days in a year						
	iv) Less than 100 days in a year						
	v) Not at all employed						
6	Persons with Disabilities						
6.1	Total:						
6.2	i) Of whom:						
	ii) Blind/ Low Vision						
	iii) Hearing impaired						
	iv) Locomotor Disability						
	v) Leprosy cured						
	vi) Mentally Retarded						
	vii) Mentally Ill						
6.3	Other Persons of vulnerable categories						
	i) Children below 18 years without both parents)						
	ii) Members of female-headed households (female member bears the chief responsibility for the economic maintenance of the household)						
	iii) Members of Child-headed households (A child below 18 years bears the chief responsibility of the economic maintenance of the household)						



***Guidelines on Baseline Survey of affected /nearby villages  
to Nuclear Power Project***

	iv) Widows				
	Members of seasonally-migrating households				
	v) Destitute Sr. Citizens, aged:				
	a) 60–70 years				
	b) 70-80 years				
	c) >80 years				
	d) Total (a+b+c )				

**III. Housing**

Item	Total	SC	ST
No. of Families in the Village			
Out of (1), no. of families			
i) living in Pakka houses			
ii) living in Kachcha houses			
iii) Total of (i) + (ii)			
iv) Homeless			
Out of total no. of houses, those with			
i) Electricity			
ii) TV			
iii) Sanitary Latrine			
iv) Using Cooking Gas			

**IV. Economic Status of Families/Households**

S. No.	Category	No.	
		2011 Census or Other data (quote source)	Present Survey
1	Total Families/ Households		
2	Out of (1), i) SC households ii) ST households		
3	Out of (1), i) BPL households ii) Households with NREGA job-cards		

**Guidelines on Baseline Survey of affected /nearby villages  
to Nuclear Power Project**

4	Out of (1), households primarily dependent on:-		
	i) Agriculture		
	ii) Dairy		
	iii) Fisheries		
	iv) Poultry and other Meat Production		
	v) Forestry		
	vi) Mining & Quarrying		
	vii) Rural Artisan		
	viii) Un-clean" Occupations		
	ix) (e.g. Scavenging, Flaying, Tanning, etc.)		
	x) Job employment (Full time)		
xi) Casual wage employment			

V. Land-holding Pattern

S. No.	Category	No.	
		2011 Census or other data (quote source)	Present Survey
1	Total Households		
2	i) Out of (1), no. of Landed households		
	a) All		
	b) SC		
	c) ST		
	d) Others		
	ii) Out of (1), no. of Landless households		
	a) All		
	b) SC		
	c) ST		
	d) Others		
3	i) Population of Landed households		
	a) All		
	b) SC		
	c) ST		
	d) Others		
	ii) Population of Landless households		
	a) All		
	b) SC		
	c) ST		
	d) Others		

**Guidelines on Baseline Survey of affected /nearby villages  
to Nuclear Power Project**

S. No.	Category	No.	
		2011 Census or other data (quote source)	Present Survey
4	Break-up of households by size of land- holding  (in terms of equivalent unirrigated area) (1ha irrigated or 2 ha un- irrigated)		
	A. < 01 acre		
	i) All		
	ii) SC		
	iii) ST		
	iv) Others		
	B. 1 - 2.5 acres		
	i) All		
	ii) SC		
	iii) ST		
	iv) Others		
	C. 2.5 – 5 acres		
	i) All		
	ii) SC		
	iii) ST		
	iv) Others		
	D. 5 – 10 acres		
	i) All		
	ii) SC		
	iii) ST		
	iv) Others		
	E. > 10 acres		
	i) All		
	ii) SC		
	iii) ST		
	iv) Others		

***Guidelines on Baseline Survey of affected /nearby villages  
to Nuclear Power Project***

---

5. Land holding pattern in respect of Irrigated & Un-irrigated

S. No	Type of Agricultural land	Total Area in the Village	Out of Col 3, land owned by		
			SC	ST	Others
1	Unirrigated				
2	i) Irrigated				
	ii) from Govt. sources				
	iii) from Pvt. sources				
	iv) Total Irrigated				
3	Grand Total (Irri. &Unirrigated)				

VI. Agriculture

VI.1. Total Land Area of the Village:

VI.2. Break-up of (VI.1) as per

**Land Use, - i.e. area under:**

- i) Agriculture
- ii) Housing/Abadi
- iii) Nistar/Common lands
- iv) Water bodies
- v) Forest
- vi) Wasteland
  - a. Total
  - b. Reclaimable
  - c. Non-reclaimable
- vii) Others (Pl. specify)

VI.3. Break-up of Area under Agriculture as per Irrigation Status

- i) Irrigated:
  - a. From Govt. Sources
  - b. From Pvt. Sources
- ii) Un-irrigated:

***Guidelines on Baseline Survey of affected /nearby villages  
to Nuclear Power Project***

---

VI.4. Break-up of area under agriculture as per Cropping Pattern

- i) Single Cropped area
- ii) Double Cropped area
- iii) Triple Cropped area

VI.5. No. of Agricultural Machinery in the Village.

Agricultural Machinery	No.
------------------------	-----

i) Electric Motors:

- a) All
- b) SC
- c) ST
- d) Others

ii) Diesel Pumps

- a) All
- b) SC
- c) ST
- d) Others

iii) Tractors

- a) All
- b) SC
- c) ST
- d) Others

iv) Harvesters

- a) All
- b) SC
- c) ST
- d) Others

v) Others (Pl. specify)

- a) All
- b) SC
- c) ST
- d) Others

**Guidelines on Baseline Survey of affected /nearby villages  
to Nuclear Power Project**

---

VI.6. Fertiliser Use Pattern

S. No.	Fertiliser	Fertiliser Use (KG/Acre)						
		India	State	District	Village farmers			
					All	SC	ST	others
1	N							
2	P							
3	K							
4	Organic Manure							
5	All							

VI. 7. Main Crops & Their Productivity (Crops to be arranged in descending order of total area under the crop, in the village)

S. No.	Crop	Area under the Crop in the prev. year (in Acres)	Productivity ( in Quintals Per Acre)											
			India		State		District		Village					
			irrigated	Un irrigated	irrigated	Un-irrigated	irrigated	Un irrigated	irrigated		Un irrigated			
									All farmers	SC farmers	ST farmers	All farmers	SC farmers	ST farmers
1.														
2.														
3.														
4.														
5.														
6.														
7.														
8.														
9.														
10.														
11.														
12.														

***Guidelines on Baseline Survey of affected /nearby villages  
to Nuclear Power Project***

---

VII. Animal Husbandry & Fisheries

**DAIRY**

1. No. of Milch Cattles in the Village :-
2. No. of Families owning Milch Cattles :-

Category	Number
All	
SC	
ST	
Women Headed	
Others	

No. of Families not owning Milch Cattles :-

Category	Number of families having milch cattle
All	
SC	
ST	
Women Headed	
Others	

3. Total Daily produce of Milk in the Village :
4. Out of (4),  
Qty. consumed in the Village :-  
Qty. sold outside the Village :-  
(with details)

**FISHERIES**

1. No. of Govt. fish ponds in the Village :-
  - 1A. Area (in Acres)
  - 1B. Estd. Annual Production (in Quintals) :-
2. No. of Pvt. fish Ponds in the Village :-
  - 2A. Area (in Acres)
  - 2B. Estd. Annual Production (in Quintals) :-

Total no. of fish ponds (1+2) :-
3. Total Area (in Acres) (1A+1B) :-
  - 3B. Total Estd. Annual Procuction (in Quintal) (2A+2B) :-

***Guidelines on Baseline Survey of affected /nearby villages  
to Nuclear Power Project***

---

4. No. of families engaged in fisheries

Category	Number
All	
SC	
ST	
Women Headed	
Others	

**POULTRY, PIGGERY & OTHER MEAT PRODUCTION**

No. of households

A. With Poultry units

Category	Number
All	
SC	
ST	
Women Headed	
Others	

B. Goat/Sheep units

Category	Number
All	
SC	
ST	
Women Headed	
Others	

C. Piggery units

Category	Number
All	
SC	
ST	
Women Headed	
Others	

**Total daily production of the village**

- i) Eggs
- ii) Meat (in Quintal)



**Guidelines on Baseline Survey of affected /nearby villages  
to Nuclear Power Project**

**D. PRODUCTIVITY OF DAIRY, FISHERIES & MEAT PRODUCTION:**

S. No.	Produce	Units	Average yield per unit per day					
			India	State	Village			
					All	SCs' units	STs' units	Others' units
1.	Milk	Head of Milch cattle						
2.	Eggs							
3.	Fish	Per Acre of Pond area						
4.	Meat							

**VIII. Non-Farm Activities (NFA) & Their Potential**

**VIII.1. Present Status of Non-Farm Activities**

S. No.	Non-Farm Activities	No. of Households engaged			Percentage of Households engaged		
		All	SC	ST	All	SC	ST
1	Mining & Quarrying						
2	Forestry						
3	Sericulture						
4	Vermiculture						
5	Artisans						
6	Trade						
7	Services						
8	i) Transport						
	ii) Trade						
	iii) Washerman, Barber, Auto Repair, Electrician, etc.						
	iv) Other services Others (Pl. specify)						
	a)						
	b)						
	c)						
	d)						
	e)						

***Guidelines on Baseline Survey of affected /nearby villages  
to Nuclear Power Project***

---

VIII. 2. Potential for new NFAs and expansion of existing ones

S. No.	NFAs	Potential for Starting/Expansion
1.		
2.		
3.		
4.		
5.		

IX. Health & Nutritional Status of Women & Children

S. No.	Value parameters	2011 Census, NFHS, 2006, or other earlier data			Present Survey data		
		All	SC	ST	All	SC	ST
		1.	Live Births per 1000 pop. in one year				
2.	% of low birth weight babies						
2(a)	Defective births per 1000						
3.	% of institutional deliveries						
4.	% of anaemic mothers(Expectant and lactating)						
5.	During last one year, No. of deaths of:-						
	i) Infants before the age of one year/Total Live Births						
	ii) Children in the age group 1-5 years/Total child pop. in 1-5 age group						
	iii) Pregnant and lactating mothers/ Total no. of such mothers						
6.	% receiving full inoculation						
	i) expectant mothers						
	ii) Children 0-2 years						

**Guidelines on Baseline Survey of affected /nearby villages  
to Nuclear Power Project**

---

X. Educational Status

X.1. Literacy

S. No.	Category	Literacy Rate					
		2011 Census			Present Status		
		M	F	T	M	F	T
1.	All						
2.	SCs						
3.	STs						
4.	Persons with Disabilities						
5.	Others (Pl. specify)						

X.2 Gross Enrolment Ratio (GER) for Children aged upto 18 years

S. No	Age Group (in yrs.)	Enrolment in			GER*		
1	<b>3-6</b>	<b>M</b>	<b>F</b>	<b>T</b>	<b>M</b>	<b>F</b>	<b>T</b>
	All						
	SC						3-6
	ST						
	Others						
	<b>6-11</b>						
	All						
	SC						
	ST						
	others						
	<b>11-14</b>						
	All						
	SC						
	ST						
	others						
	<b>14-18</b>						
	All						
	SC						
	ST						
	Others						

\* GER is defined as:-

No. enrolled in relevant stage of Pre-School/School ( i.e. Anganwadi, Primary, Upper Primary, Sec. Schools)

Estimated Child Pop. in relevant age group (i.e. 3-6, 6-11, 11-14, & 14-18)

**Guidelines on Baseline Survey of affected /nearby villages  
to Nuclear Power Project**

---

X.3. Attendance Rate on the Date of Survey Date:

S. No.	Age Group	Enrolment			Actually Present			Attendance %		
		M	F	T	M	F	T	M	F	T
	Anganwadi									
1.	3-6									
	i) All									
	ii) SC									
	iii) ST									
	iv) Others									
	Class I – V									
2	6-11									
	i) All									
	ii) SC									
	iii) ST									
	iv) Others									
	Class V-IX									
3	11-14									
	i) All									
	ii) SC									
	iii) ST									
	iv) Others									
	Class IX-XII									
4	14-18									
	i) All									
	ii) SC									
	iii) ST									
	iv) Others									

X. 4. No. of students of the village living and studying elsewhere in hostels/residential schools:-

S No	Level	No. of hostellers		
		Male	Female	Total
1.	School			
2.	College			
3.	Total			

**Guidelines on Baseline Survey of affected /nearby villages  
to Nuclear Power Project**

---

X.5 Tertiary Education (Post-XII Class)

S. No.	Category	Total No.			ST			SC		
		M	F	T	M	F	T	M	F	T
1	Youth in age group 18-25 Yrs									
2.	No. studying in									
	i) Prof. Courses									
	ii) Gen. Univ.Courses									
	iii) Other Courses (Pl. specify)									
	iv) Not studying									
3.	No. of persons in the village who have completed edn. upto:	<b>i) Graduation</b>								
	a) Gen.									
	b) Professional									
		<b>ii) Post-Graduation</b>								
	a) Gen.									
	b) Professional									
	c) Doctorate									

**XI. Availability of infrastructure**

A. Physical Infrastructure :

A.1

1. Distance of the Village from the nearest National /State Highway/  
Major Distt. Road: .....KM

2. Is the village connected to the above by a pakka road? Y/N

3. If yes, details of the Approach Road/Connecting Road:

- i) Length of the Road \_\_\_\_\_
- ii) Year of construction. \_\_\_\_\_
- iii) Scheme under which constructed \_\_\_\_\_
- iv) Present Status

***Guidelines on Baseline Survey of affected /nearby villages  
to Nuclear Power Project***

---

4. Available mode of Transport

Mode	Whether Available	Frequency
1. Rail	Y/N	
2. Govt. (ST) Bus	Y/N	
3. Pvt. Bus	Y/N	
4. Taxi/Tempo/geep	Y/N	
5. Others (Pl. Specify)	Y/N	

A.2 Internal Roads & Sanitation:

1. No. of hamlets in the village, if any \_\_\_\_\_
2. Are all hamlets connected to each other by pakka roads? \_\_\_\_\_
3. If not, names of hamlets not connected, and length of connecting road required. \_\_\_\_\_

Unconnected Hamlets	Length of Connecting Road required (KM)	Remarks

4. Length of internal roads (i.e. inside the village/hamlets) of the village: \_\_\_\_\_
  - i) Kachcha \_\_\_\_\_
  - ii) Pakka \_\_\_\_\_
  - iii) Total \_\_\_\_\_
5. Length of pakka drains \_\_\_\_\_
6. System of Solid Waste Disposal in the Village: \_\_\_\_\_

A.3 Drinking Water Supply:

1. What are the source(s) of drinking water supply in the village (like open wells, hand pumps, pound, river etc.? \_\_\_\_\_
2. If the village has piped water supply:
  - i) Year of completion \_\_\_\_\_
  - ii) No. & % of houses with tap connection \_\_\_\_\_
3. No. of Drinking Water Hand Pumps \_\_\_\_\_
4. Names of hamlets/bastes with no piped water supply, Standing posts or hand pumps. \_\_\_\_\_

**Guidelines on Baseline Survey of affected /nearby villages  
to Nuclear Power Project**

---

S.No.	Name of hamlet/bastes	Population	Drinking Water has to be fetched (in KM)

5. Quality of Drinking Water

6. Degree of Water Stress in Summer Months

A.4 Availability of Gram Panchayat (GP) Building, Community Hall, Library/Rdg. Room, Public Playground & other Public Facilities in the village.

1. If the G.P. Hqs. are located in the village, is there a pakka Panchayat building? \_\_\_\_\_

i) If yes, year of construction \_\_\_\_\_

ii) Does the village have a pakka Community hall? \_\_\_\_

iii) If yes, year of construction. \_\_\_\_\_

iv) Does the village have a Library and/or Reading Room? \_\_\_\_\_

v) Does the village have a public playground available to all? \_\_\_\_\_

vi) Any other Public Facilities available in the village (Pl. specify)\_\_\_\_\_

**B. Social infrastructure**

B.1

S. No.	Type of institution/ Personnel	Bldg. (No.of rooms)	Drinking Water	Toilets	Distance from the village (in KMs)	Remarks
1.	Anganwadi					
2.	Mini-Anganwadi					
3.	Health Sub-Centre (within the village)					
4.	Prim. School (within the village)					
5.	Upper Prim. School (within 3 KMs)					
6.	ASHA Worker- Health Sub-Centre		-	-	-	
7.	Village Level Agri. Worker	-	-	-	-	-
8.	Literacy Prerak	-	-			
9.	NREGS Field Assistant	-	-			

B.2

**Guidelines on Baseline Survey of affected /nearby villages  
to Nuclear Power Project**

S.No.	Institution	Distance of Nearest inst. from Village (KMs)
1.	High School	
2.	Higher Secondary School	
3.	Degree College	
3(a)	Other (including Madara, Sanskrit Vidyalaya/College etc.)	
4.	ITI	
5.	Polytechnic	
6.	Primary Health Centre	
7.	Civil Hospital	
8.	Distt. Hospital	
9.	Police Outpost	
10.	Police Station	
11.	Gram Panchayat	
12.	Block HQs	
13.	Tehsil/Sub-Div. HQs.	

**C. Economic infrastructure:**

**C.1**

S. No.	Type of Institution	Nearest Institution		Members/Account holders	
		Location	Distance from Village (KM)	No	%
	Members/Account holders				
1.	Primary Agri.Credit Society				
2.	Coop. Marketing Society				
3.	Dairy/Poultry/ Fisheries Coop. Society				
4.	Distt. Central Coop. Bank (DCCB)				
5.	Distt. Coop. Land Dev. Board (DCLDB)				
6.	Regional Rural Bank				
7.	Nationalized Bank				
8.	Common Service Centre				
9.	Elec. Sub-station (33/11 KV)				



***Guidelines on Baseline Survey of affected /nearby villages  
to Nuclear Power Project***

---

C.2 Electrification/Energy

1. Does the village have electricity? :
2. No. of households electrified
  - i) All
  - ii) SC
  - iii) ST
3. No. of streetlight poles :
4. No. of energized irrigation motors :
5. No. of household/cottage/micro industries using power:

Power Demand of the Village :

- a) Average
- b) Peak

6. No. of Electricity connections

a) Single Phase

- i) All
- ii) SC
- iii) ST

b) Three Phase

- i) All
- ii) SC
- iii) ST

7. No. of hours for which the village gets electricity, on an average, per 24 hours:

a) Single Phase:- \_\_\_\_\_ hours

b) Three Phase:- \_\_\_\_\_ hours

8. Status of use of renewable energy sources in the Village

- a) Solar
- b) Wind
- c) Bio-gas
- d) Others (Pl. specify)

C.3

## ***Guidelines on Baseline Survey of affected /nearby villages to Nuclear Power Project***

---

Does the village have connectivity in terms of :

- i) Landline telephone
- ii) Mobile telephone
- iii) Internet

### **XII. Social Dynamics**

1. In Incidence, during in the last three years, of;
  - i) Untouchability
  - ii) Child labour
  - iii) Bonded Labour
  - iv) Discrimination/Atrocities against
    - a) Women
    - b) SC/ST
  - v) Dowry Harassment/Crimes
  - vi) Alcoholism
  - vii) Drug (substance) abuse
  - viii) Trafficking in:
    - a) Children
    - b) Women
  - ix) Discriminatory social practices, if any, towards SCs and Other social groups, e.g. by way of:
    - Separate water points
    - Separate access road
    - Separate Place of worship
    - Separate Cremation/Burial ground
    - Any other
  - x) Other Social Evils (Pl. specify)
    - a) ...
    - b) ...
    - c) ...
    - d) ....
  - xi) Social Strengths:

### **XIII. Availability of Civic Bodies/Civil Society Organizations/ Groups**

## ***Guidelines on Baseline Survey of affected /nearby villages to Nuclear Power Project***

---

Type of Does it If Yes, whether Type of Activities/  
Body/Group Exist? active or Degree of activism dormant ? \_\_\_\_\_  
\_\_\_\_\_

1. Gram Sabha
2. Gram Panchayat
3. SHGs
  - i) All
  - ii) Women's
4. Mahila Mandal
5. Yuvak Mandal
  
6. Youth Club
  
7. Parent-Teacher Associations
  
8. NGOs
  
9. Other Groups (Pl. specify)
  - i)
  
  - ii)
  - iii)

References1.0 Guidelines for the implementation of Baseline study for women's empowerment programmes funded by Norad (2009-13)  
(Burundi, Mali, Myanmar, Níger, Rwanda, Tanzania, Uganda)  
CARE Norway  
July 2009

### **Survey Cost Estimate:**

Cost considerations can be right from Planning stage /budgeting/Phase and subsequent phases of implementation and monitoring. At planning phase costs must be estimated in advance though continuing survey operations can provide relevant cost data for planning new rounds of survey.

In dealing with cost issues, it is important to recognize the fact that most surveys are based on a multistage stratified area probability design. On an average about 10 interviews of house hold per day may be considered based on the length of questionnaire, distance between intra village houses and distance between villages.

The costs of data collection and processing also involve both fixed and variable components; dependent on the number of Villages and households selected. These works include the costs of the listing of households within selected villages or the listing of persons within selected households, interviewing and field supervision.

The cost of data collection also includes the cost of travel both between and within villages, the length of the questionnaire, whether or not interpreters are used, and the number of house

## ***Guidelines on Baseline Survey of affected /nearby villages to Nuclear Power Project***

---

holds to be interviewed. In India languages change from region to region so it may be better to use local team for interviewing. The consideration of costs of coordination of field activities and survey materials, listing and sub-sampling procedures carried out in the field etc. is also important. Effective monitoring of such activities enables survey implementers to take corrective measures, if necessary, during data collection itself to avoid discovering deficiencies after data collection. As part of data processing, data entry, edit and imputation work may involve a mixture of fixed and variable costs, depending on the degree of automation used in this process.

As noted above, many cost factors are linked to features of the survey design, including the sample size; the length of the questionnaire; the number of modules; and specific methods employed in sample selection and listing, pilot testing, and questionnaire design and translation.

For a given design, some of the resulting costs are approximately constant. If objectives of the survey are broadened then it may lead to: (a) the inclusion of additional modules in the Questionnaire; or (b) an increase in the number of reporting domains if estimates of key variables for communities are desired at the desired level.

***Guidelines on Baseline Survey of affected /nearby villages  
to Nuclear Power Project***

---

**Budgeting framework for the NPCL CSR Fund for  
Multiple Indicators for Surveys of Villages**

Cost categories	Total Cost	Activity categories									
		Preparation/ Sensitization	Pilot Survey	Survey Design & sample Preparation	Training	Preparation	Main survey Implementation	Data input	Data Processing & Analysis	Report Writing	Dissemination and Further Analysis
Personnel											
Per diem											
Transportation											
Consumables											
Equipment											
Other costs											
<b>TOTAL COSTS</b>											
Implementing agencies (names)											

**Supplementary details:**

1. Sample size: number of households: \_\_\_\_\_ number of Villages: \_\_\_\_\_
2. Duration of enumeration: number of days: \_\_\_\_\_
3. Duration of training for enumerators: number of days: \_\_\_\_\_
4. Numbers of field enumerator/supervisors: enumerators: \_\_\_\_\_ supervisors: \_\_\_\_\_
5. Data entry: key strokes per questionnaire: number: \_\_\_\_\_
6. NPCIL contribution ( Estimated) : ` \_\_\_\_\_

***Guidelines on Baseline Survey of affected /nearby villages  
to Nuclear Power Project***

---

**Costing framework**

<b>Cost categories</b>	<b>Activity categories which may be considered in cost estimation.</b>
Personnel (salaries)	Preparation/sensitization
	Preparation of questionnaire
Consultants fees Preparation of questionnaire	Preparation of dummy tables
Field supervisors Preparation of dummy tables	Translation and back translation
Interviewers/enumerators	Pre-testing of questionnaire
Drivers	Publicity pre and post enumeration
Local guides	<b>Pilot survey</b>
Data entry clerks	Training
Computer programmers	Data collection
Coordinating committee	Data analysis
Incentive/allowance	Report on the pilot survey
Translators	Survey design and sample preparation
Consultants/monitors	<b>Planning</b>
Transportation	Sample preparation
Vehicle rental	<b>Training</b>
Public transportation allowance	Preparation of training materials
Fuel	Translation into training language
Maintenance costs	<b>Implementation</b>
Consumables	Monitoring and supervision
Stationery (papers, pencils, pens, etc.)	Data retrieval/evaluation
Identification cards	Data input
Computing; supplies(paper,diskettes,ribbons, cartridges)	Data entry
Envelopes for filing	Error checking
Equipment	Data processing and analysis
Anthropometric equipment (weighing scales, length meters, etc.)	Data cleaning
Other costs	Indicator Development
Printing (questionnaire, etc.)	Tables and Analysis
Photocopies of maps, listings& instruction manual	Report writing
Equipment maintenance	Dissemination and further analysis
Communications (phone, fax, postage, etc.)	Report printing
Contracts (data processing, report writing)	Distribution
Further analysis	Feedback meetings
Equipment Tables of analysis	Further analysis
Report writing	
Other costs	