

**Health, Nutrition, Population and Poverty**  
**India 1999 - ANNEX B: ASSETS AND FACTOR SCORES**

Asset Variable	Unweighted		Quintiles						Average	Factor Score	Household score if:	
	Mean	Std. Deviation	Lowest	2nd	3rd	4th	Highest	has asset			no asset	
			Percentage of Population									
Has electricity	0.665	0.472	1.1%	32.4%	72.9%	94.2%	99.5%	60.0%	0.054905	0.03894	-0.07741	
Has radio	0.416	0.493	7.6%	25.7%	40.8%	52.9%	72.8%	40.0%	0.039545	0.04682	-0.03340	
Has television	0.390	0.488	0.0%	1.2%	17.4%	64.1%	94.6%	35.4%	0.063628	0.07965	-0.05083	
Has refrigerator	0.143	0.351	0.0%	0.0%	0.3%	2.2%	51.1%	10.7%	0.0578	0.14123	-0.02365	
Has bicycle	0.436	0.496	27.2%	48.7%	56.0%	63.0%	68.7%	52.7%	0.01824	0.02075	-0.01603	
Has motorcycle	0.126	0.332	0.1%	0.4%	2.1%	11.4%	47.9%	12.4%	0.046129	0.12131	-0.01754	
Has car	0.024	0.154	0.0%	0.0%	0.1%	0.4%	8.6%	1.8%	0.028023	0.17751	-0.00442	
Has telephone	0.101	0.301	0.0%	0.0%	0.2%	1.4%	36.5%	7.6%	0.050986	0.15227	-0.01707	
Separate room used as a kitchen	0.548	0.498	18.9%	38.3%	52.1%	63.4%	86.8%	51.9%	0.037612	0.03418	-0.04139	
Does this household own any agricultural land?	0.492	0.500	59.1%	63.4%	61.2%	49.8%	34.2%	53.6%	-0.01844	-0.01873	0.01815	
Acres of land under cultivation (1 decimal)	2.392	10.014	1.7	2.3	3.3	3.4	3.1	2.8	0.000776	-0.00011	-0.00019	
Acres of irrigated land under cultivation (1 decimal)	1.209	6.961	0.7	1.1	1.6	1.9	2.1	1.5	0.002656	-0.00008	-0.00046	
Household owns livestock	0.468	0.499	63.2%	65.9%	62.2%	48.2%	24.1%	52.7%	-0.02605	-0.02778	0.02442	
Mattress	0.578	0.494	7.0%	26.2%	47.9%	72.3%	95.8%	49.8%	0.049812	0.04259	-0.05825	
Pressure cooker	0.383	0.486	0.2%	2.3%	11.2%	44.4%	92.5%	30.1%	0.062298	0.07914	-0.04904	
Chair	0.527	0.499	4.3%	19.8%	43.2%	71.6%	95.4%	46.9%	0.053017	0.05023	-0.05596	
Cot or bed	0.838	0.368	69.2%	77.6%	82.4%	89.8%	97.6%	83.3%	0.022819	0.01002	-0.05198	
Table	0.490	0.500	2.0%	14.4%	34.6%	64.2%	92.0%	41.4%	0.054078	0.05523	-0.05295	
Clock or watch	0.712	0.453	16.5%	53.4%	80.4%	96.5%	99.8%	69.3%	0.048118	0.03059	-0.07569	
Fan	0.487	0.500	0.7%	5.5%	41.6%	86.4%	98.5%	46.5%	0.059738	0.06126	-0.05825	
Bicycle	0.436	0.496	27.2%	48.7%	56.0%	63.0%	68.7%	52.7%	0.01824	0.02075	-0.01603	
Sewing maching	0.240	0.427	0.6%	4.1%	11.8%	28.7%	58.6%	20.8%	0.045951	0.08175	-0.02583	
Telephone	0.101	0.301	0.0%	0.0%	0.2%	1.4%	36.5%	7.6%	0.050986	0.15227	-0.01707	
Refrigerator	0.143	0.351	0.0%	0.0%	0.3%	2.2%	51.1%	10.7%	0.0578	0.14123	-0.02365	
Television (B/W)	0.271	0.444	0.0%	1.2%	17.0%	59.7%	55.7%	26.7%	0.034483	0.05662	-0.02100	
Television (Colour)	0.133	0.339	0.0%	0.0%	0.4%	4.6%	45.2%	10.0%	0.052473	0.13415	-0.02053	
Car	0.024	0.154	0.0%	0.0%	0.1%	0.4%	8.6%	1.8%	0.028023	0.17751	-0.00442	
Water pump	0.081	0.273	1.7%	5.9%	8.5%	12.0%	21.6%	9.9%	0.018521	0.06221	-0.00551	
Bullock cart	0.060	0.238	5.8%	10.2%	12.7%	10.7%	5.2%	8.9%	-0.00498	-0.01964	0.00126	
Thresher	0.017	0.130	0.9%	2.3%	3.7%	4.0%	3.5%	2.9%	0.002127	0.01614	-0.00028	
Tractor	0.016	0.127	0.1%	0.7%	2.6%	4.1%	4.8%	2.4%	0.00677	0.05253	-0.00087	
If HH has a domestic worker not related to head	0.000	0.021	0.0%	0.0%	0.0%	0.0%	0.2%	0.1%	0.003189	0.15333	-0.00007	
If household works own or family's agric. land	0.194	0.395	29.3%	32.9%	31.4%	21.4%	8.6%	24.7%	-0.01880	-0.03836	0.00921	
Number of members per sleeping room	2.286	1.881	3.9	3.2	2.8	2.5	1.7	2.8	-0.02920	0.01997	0.03550	
If piped drinking water in residence	0.263	0.440	0.7%	3.1%	9.6%	25.8%	63.9%	20.6%	0.05045	0.08449	-0.03012	
If piped drinking water in public tap	0.178	0.383	10.4%	15.7%	23.2%	22.1%	8.0%	15.9%	-0.00745	-0.01599	0.00347	
If has well in residence	0.012	0.110	0.8%	1.2%	1.5%	1.6%	1.3%	1.3%	0.00133	0.01187	-0.00015	
If gets water from a public well	0.059	0.235	4.8%	6.7%	7.7%	8.3%	5.1%	6.5%	-0.00258	-0.01034	0.00064	
If uses spring for drinking water	0.019	0.138	0.6%	0.7%	0.9%	0.5%	0.1%	0.5%	-0.00552	-0.03921	0.00078	
If uses river, canal or surface water for drinking	0.031	0.172	3.6%	2.8%	2.4%	1.2%	0.2%	2.0%	-0.00851	-0.04787	0.00151	

If uses rainwater for drinking	0.001	0.034	0.0%	0.0%	0.1%	0.1%	0.0%	0.1%	0.00011	0.00319	0.00000
If uses tanker truck for drinking water	0.002	0.047	0.1%	0.2%	0.2%	0.2%	0.2%	0.2%	0.00005	0.00115	0.00000
If gets water from a covered public well	0.010	0.102	1.7%	1.4%	1.0%	0.7%	0.1%	1.0%	-0.00453	-0.04415	0.00046
Other source of drinking water	0.005	0.068	0.5%	0.5%	0.6%	0.5%	0.3%	0.5%	-0.00119	-0.01739	0.00008
If has private flush toilet	0.225	0.418	0.0	0.0	0.0	0.2	0.7	0.2	0.05548	0.10299	-0.02988
If has public flush toilet	0.030	0.170	0.2%	0.6%	1.8%	6.3%	3.2%	2.4%	0.00531	0.03039	-0.00093
If uses clay kitchenware	0.010	0.101	1.8%	1.0%	0.6%	0.4%	0.4%	0.9%	-0.00416	-0.04089	0.00042
If uses aluminum kitchenware	0.363	0.481	57.1%	42.3%	41.0%	34.4%	18.9%	38.7%	-0.02541	-0.03367	0.01918
If kitchenware made of cast iron	0.003	0.052	0.5%	0.4%	0.2%	0.2%	0.2%	0.3%	-0.00159	-0.03048	0.00008
If uses bush,field as latrine	0.544	0.498	98.3%	91.0%	78.7%	45.5%	6.7%	64.1%	-0.05563	-0.05097	0.06070
If other type of latrine	0.001	0.034	0.1%	0.2%	0.2%	0.1%	0.0%	0.1%	-0.00140	-0.04159	0.00005
If uses brass or copper kitchenware	0.014	0.117	1.6%	1.2%	1.2%	1.1%	0.8%	1.2%	0.00032	0.00272	-0.00004
If uses stainless steel kitchenware	0.610	0.488	39.0%	55.0%	56.9%	63.9%	79.7%	58.9%	0.02601	0.02081	-0.03252
If uses other kind of kitchenware	0.000	0.006	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.00044	0.07704	0.00000
If gets water from a public open well	0.100	0.299	19.4%	14.5%	10.8%	5.5%	1.1%	10.3%	-0.01824	-0.05483	0.00607
Residential handpump	0.130	0.337	13.8%	20.9%	19.1%	20.7%	15.8%	18.0%	-0.00079	-0.00204	0.00031
Public handpump	0.189	0.392	43.5%	32.2%	23.1%	12.8%	3.9%	23.1%	-0.02654	-0.05492	0.01282
Private pit latrine	0.137	0.344	1.1%	5.5%	11.5%	20.2%	16.2%	10.9%	0.00581	0.01459	-0.00231
Public pit latrine	0.007	0.081	0.2%	0.6%	0.7%	1.2%	0.5%	0.7%	-0.00057	-0.00699	0.00005
Shared pit latrine	0.020	0.141	0.1%	0.6%	1.2%	2.3%	0.8%	1.0%	0.00026	0.00180	-0.00004
Electricity for lighting	0.665	0.472	1.1%	32.4%	72.9%	94.2%	99.5%	60.0%	0.05490	0.03894	-0.07741
Kerosene for lighting	0.331	0.470	98.3%	67.0%	26.6%	5.6%	0.5%	39.6%	-0.05463	-0.07773	0.03839
Gas for lighting	0.001	0.023	0.1%	0.1%	0.1%	0.1%	0.0%	0.1%	-0.00095	-0.04035	0.00002
Oil for lighting	0.001	0.036	0.3%	0.2%	0.1%	0.0%	0.0%	0.1%	-0.00255	-0.07085	0.00009
Other lighting	0.002	0.040	0.1%	0.1%	0.2%	0.1%	0.0%	0.1%	-0.00227	-0.05701	0.00009
Wood cooking fuel	0.577	0.494	75.2%	76.9%	79.1%	59.0%	12.9%	60.6%	-0.04729	-0.04053	0.05519
Dung cooking fuel	0.052	0.222	10.1%	11.5%	8.1%	5.6%	1.3%	7.3%	-0.01138	-0.04851	0.00267
Coal cooking fuel	0.016	0.125	0.5%	1.4%	2.5%	4.6%	2.6%	2.3%	0.00091	0.00715	-0.00011
Charcoal cooking fuel	0.003	0.055	0.0%	0.1%	0.3%	0.6%	0.2%	0.3%	0.00038	0.00685	-0.00002
Kerosene cooking fuel	0.087	0.282	0.2%	0.9%	4.7%	17.9%	9.2%	6.6%	0.00828	0.02679	-0.00256
LPG cooking fuel	0.215	0.411	0.0%	0.1%	0.3%	8.2%	71.0%	15.9%	0.06148	0.11752	-0.03216
Biogas cooking fuel	0.004	0.066	0.0%	0.0%	0.1%	0.8%	1.6%	0.5%	0.00570	0.08637	-0.00038
Other cooking fuel	0.002	0.040	0.3%	0.1%	0.1%	0.1%	0.0%	0.1%	-0.00098	-0.02453	0.00004
House from high quality materials	0.351	0.477	1.0%	6.3%	20.2%	46.8%	84.3%	31.7%	0.05461	0.07426	-0.04016
House from low quality materials	0.296	0.457	69.8%	48.6%	29.0%	11.8%	1.9%	32.2%	-0.04038	-0.06224	0.02620
House from mixed quality materials	0.351	0.477	29.0%	44.8%	50.6%	41.3%	13.7%	35.9%	-0.01593	-0.02167	0.01171
If uses crop residual for cooking fuel	0.036	0.187	13.6%	8.8%	4.8%	2.2%	0.3%	5.9%	-0.01383	-0.07130	0.00268
Electricity for cooking	0.008	0.089	0.0%	0.0%	0.2%	0.9%	0.9%	0.4%	0.00477	0.05349	-0.00043
If has shared flush toilet	0.037	0.189	0.0%	0.3%	1.3%	4.7%	4.7%	2.2%	0.00906	0.04622	-0.00177

Notes:

- Household score for number of members per sleeping room is calculated as follows:  
 $(\# \text{ people per room} - \text{unweighted mean}) / \text{unweighted standard deviation} ) * \text{factor score}$ ; see Annex C.
- Household score for size of land (irrigated or non-irrigated) is calculated as follows:  
 $(\text{acres of land} - \text{unweighted mean}) / \text{unweighted standard deviation} ) * \text{factor score}$ ; see Annex C.

## India 1998-99

### Annex B: Assets and Factor Scores

Wealth Quintile	<u>Asset Index Value</u>	
	Lowest	Highest
poorest	lowest	-1.03013
second	-1.03013324	-0.65339
middle	-0.65339138	-0.10694
fourth	-0.106942	0.675604
richest	0.675603658	highest