

THE  
NATIONAL SAMPLE SURVEY  
EIGHTEENTH ROUND  
February 1963—January 1964

TABLES WITH NOTES  
ON  
PROFESSIONS AND LIBERAL ARTS

*ISSUED BY*  
THE STATISTICAL DEPARTMENT  
GOVERNMENT OF TRIPURA  
AGARTALA.

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## APPENDIX I

## ESTIMATION PROCEDURE

## NOTATIONS

- $s$  :— Subscript for  $s^{\text{th}}$  stratum.  
 $i$  :— Subscript for  $i^{\text{th}}$  sample village/selected part of village.  
 $j$  :— Subscript for  $j^{\text{th}}$  sample household.  
 $k$  :— number of strata in the state.  
 $z$  :— village size (used for selection.)—  
 $Z_s$  :— stratum sum of the village sizes.  
 $I_s$  :— interval used for selection of villages in the  $s^{\text{th}}$  stratum.  
 $n$  :— number of sample villages selected in a stratum and in a sub-sample for the whole round.  
 $D$  :— number of hamlet groups formed in the village ( $D=i$  if no such division was made)  
 $f$  :— adjustment factor for revenue village selection.  
 $H$  :— total number of households in the frame for the enquiry.  
 $h$  :— number of households selected for the enquiry.  
 $y$  :— value of the characteristic.

$$\hat{y} = \sum_s I_s \sum_{i \in \Omega} \frac{D_{si} f_{si} H_{si}}{Z_{si} h_{si}} \sum_{J=1}^{h_{si}} Y_{sij}$$

## Combined Estimation

If  $\hat{Y}_i$  and  $h_i$  ( $i=1, 2, 3, 4$ ) be the  $i^{\text{th}}$  sub sample estimates of the total of a characteristic, the combined estimates in respect of State Sample and Central Sample are given by

$$\hat{Y} = \frac{\hat{Y}_1 + \hat{Y}_2 + \hat{Y}_3 + \hat{Y}_4}{4}$$

$$\bar{X} = \frac{(\hat{X}_1 + \hat{X}_2 + \hat{X}_3 + \hat{X}_4)}{4} \cdot$$

$$\hat{c} = \frac{(\hat{Y} + \hat{X})}{2}$$

Where  $\hat{c}$  stands for the estimated of Central Sample and State Sample pooled.

„  $\hat{X}$  stands for the combined estimates of the 4 sub-samples of the Central Sample.

„  $\hat{Y}$  stands for the combined estimates of the 4 sub-samples of the State Sample.

APPENDIX II

LIST OF INDUSTRY GROUP

DESCRIPTION

Educational services.  
Medical & other health services.  
Religious services.  
Other Community services.  
Legal services.  
Business services.  
Recreation services.  
Domestic services.  
Barbar & beauty shops services.  
Laundry, Cleaning & Dying services.  
Other personal services.  
Other services (not covered above).

EMPLOYMENT STATUS

Owner operator hiring labour.  
Owner operator not hiring labour.  
Working partner hiring labour.  
Working partner not hiring labour.  
Unpaid helper.  
Working for wages and salary.

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**TABLE NO. 1 & 2**  
**Estimated number of persons in profession and liberal arts by employment status and Industry groups separately for principal and Subsidiary means of livelihood**  
**CENTRAL AND STATE POOLED**

Industry Group	Employment Status Group	PRINCIPAL					SUBSIDIARY				
		Sub-sample 1	Sub-sample 2	Sub-sample 3	Sub-sample 4	Combined	Sub-sample 1	Sub-sample 2	Sub-sample 3	Sub-sample 4	Combined
1	2	3	4	5	6	7	8	9	10	11	12
Educational services	Owner operator not hiring labour.	357	487	157	102	276	128	153	208	153	160
	Working for wages and salary.	102	841	540	102	396	—	51	—	102	38
	ALL	459	1328	697	204	672	128	204	208	255	198
Medical and other health services	Owner operator hiring labour.	26	—	51	—	19	—	—	51	—	13
	Owner operator not hiring labour.	734	1002	1164	476	844	204	323	233	306	266
	ALL	760	1002	1215	476	863	204	323	284	306	279
Religious services	Owner operator hiring labour	51	—	—	—	13	—	—	—	—	—
	Owner operator not hiring labour	1326	1215	867	510	979	153	543	128	816	410
	Working for wages and salary.	51	102	—	51	51	—	—	—	—	—
	ALL	1428	1317	867	561	1043	153	543	128	816	410
Other Community services	Owner operator not hiring labour.	51	—	—	—	13	—	—	—	—	—
	ALL	51	—	—	—	13	—	—	—	—	—
Legal services	Owner operator not hiring labour.	153	385	—	51	147	—	102	—	—	26
	Working for wages and salary.	—	—	—	—	—	102	—	—	—	25
	ALL	153	385	—	51	147	102	102	—	—	51

Business services	Owner operator not hiring labour.	51	—	—	—	13	—	—	—	—	—	
	Working for wages and salary.	—	—	—	—	—	—	51	—	—	13	
	ALL	51	—	—	—	13	—	51	—	—	13	
Recreation services	Owner operator not hiring labour.	51	51	51	—	39	—	—	—	102	26	
	ALL	51	51	51	—	39	—	—	—	102	26	
	Working for wages and salary.	622	612	255	459	487	—	79	—	—	20	
Domestic services	ALL	622	612	255	459	487	—	79	—	—	20	
	Barbar and Beauty shop services	Owner operator not hiring labour.	786	430	357	153	431	459	—	204	204	217
		Working for wages and salary.	—	—	—	—	—	51	—	—	—	13
ALL		786	430	357	153	431	510	—	204	204	230	
Laundry cleaning and Dying services	Owner operator hiring labour.	76	26	—	—	26	—	—	—	—	—	
	Owner operator not hiring labour.	204	1403	585	255	611	102	153	102	357	178	
	Working partner not hiring labour.	51	—	—	—	13	—	—	—	102	26	
Other personal services	ALL	331	1429	585	255	650	102	153	102	459	204	
	Owner operator not hiring labour.	111	76	259	153	150	357	51	153	51	153	
	ALL	111	76	259	153	150	357	51	153	51	153	
Other Services (Not covered above)	Working for Wages and-salary	—	—	102	—	25	—	—	—	—	—	
	ALL	—	—	102	—	25	—	—	—	—	—	
	Owner operator hiring labour.	153	26	51	—	58	—	—	51	—	13	
TOTAL	Owner operator not hiring labour.	3773	5100	3440	1700	3503	1403	1325	1028	1989	1436	
	Working Partner not hiring labour.	51	—	—	—	13	—	—	—	102	26	
	Working for Wages and-salary	775	1555	897	612	959	153	181	—	102	109	
	ALL	4752	6681	4388	2312	4533	1556	1506	1079	2193	1584	



TABLE NO. 3 &amp; 4

Value of earnings (in Rs. 0.00) per month person in profession and liberal arts by employment status and Industry groups.

## STATE AND CENTRAL POOLED

Industry group	Employment status group	PRINCIPAL					SUBSIDIARY				
		Sub-sample 1	Sub-sample 2	Sub-sample 3	Sub-sample 4	Com-bined	Sub-sample 1	Sub-sample 2	Sub-sample 3	Sub-sample 4	Com-bined
1	2	3	4	5	6	7	8	9	10	11	12
Educational services.	Owner operator not hiring labour.	4000	3497	5639	5550	4151	1474	2358	1948	483	1607
	Working for wages and salary.	9650	9342	8777	1988	8701	—	1500	...	3500	2852
	ALL	5256	7198	8070	3769	6832	1474	2144	1948	1690	1846
Medical and other health services	Owner operator hiring labour	12260	—	15000	—	14260	—	—	6000	—	5885
	Owner operator not hiring labour.	12510	6542	8312	47989	19933	125	2255	1573	3417	2036
	ALL	12501	6542	8593	47989	19809	125	2255	2368	3417	2215
Religious services.	Owner operator hiring labour.	12500	—	—	—	12260	—	—	—	—	—
	Owner operator not hiring labour.	2602	5302	2265	4550	3620	1233	1412	598	991	1122
	Working for wages and salary.	6400	6900	—	3800	6000	—	—	—	—	—
	ALL	3092	5426	2265	4482	3844	1233	1412	598	991	1122
Other Community services.	Owner operator not hiring labour.	2000	—	—	—	1962	—	—	—	—	—
	ALL	2000	—	—	—	1962	—	—	—	—	—

Legal services.	Owner operator not hiring labour.	12500	11629	—	16000	12254	—	250	—	—	245
	Working for wages and salary.	—	—	—	—	—	3500	—	—	—	3570
	ALL	12500	11629	—	16000	12254	3500	250	—	—	1875
Recreation services.	Owner operator not hiring labour.	6000	11500	15000	—	10625	—	—	—	450	441
	ALL	6000	11500	15000	—	10625	—	—	—	450	441
Domestic services.	Working for wages and salary.	5234	5425	3860	3244	4363	—	300	—	—	296
	ALL	5234	5425	3860	3244	4363	—	300	—	—	296
Barbar and Beauty shop services.	Owner operator not hiring labour.	5563	4966	6650	1100	5249	3111	—	1475	775	2174
	Working for wages and salary.	—	—	—	—	—	4500	—	—	—	4413
	ALL	5563	4966	6650	1100	5249	3250	—	1475	775	2300
Laundry cleaning & Dying services.	Owner operator hiring labour.	11408	8827	—	—	10543	—	—	—	—	—
	Owner operator not hiring labour.	7650	5600	5718	7200	5973	3050	3367	2319	3643	3319
	Working partner not hiring labour.	1250	—	—	—	1226	—	—	—	2500	2452
	ALL	7527	5659	5718	7200	6061	3050	3367	2319	3389	3209
Other personal services.	Owner operator not hiring labour.	5498	6543	4933	5167	5293	1779	2500	767	1400	1554
	ALL	5498	6543	4933	5167	5293	1779	2500	767	1400	1554
TOTAL	Owner operator hiring labour.	11917	8827	15000	—	12145	—	—	6000	—	5884
	Owner operator not hiring labour.	6076	5932	5897	28459	8696	1979	1905	1462	1762	1794
	Working partner not hiring labour.	1250	—	—	—	1226	—	—	—	2500	2452
	Working for wages and salary.	5892	7286	6381	3081	6128	3833	554	—	3500	2394
	ALL	6182	6259	6102	21741	8175	2162	1743	1676	1877	1880

TABLE NO. 5

Estimated expenditure (in Rs. 0.00) on 'Materials' per month per self-employed person in profession  
and liberal arts by employment status and Industry groups

STATE AND CENTRAL POOLED

Industry Group	Employment Status Group	PRINCIPAL AND SUBSIDIARY MEANS OF LIVELIHOOD COMBINED				
		Sub-Sample 1	Sub-Sample 2	Sub-Sample 3	Sub-Sample 4	Combined
1	2	3	4	5	6	7
Community services.	Owner operator hiring labour.	3312	—	1288	—	2146
	Owner operator not hiring labour.	74	147	221	6048	1329
	ALL	156	147	259	6048	1341
Business services.	Owner operator not hiring labour.	—	013	—	—	009
	ALL	—	013	—	—	009
Recreation services.	Owner operator not hiring labour.	—	050	—	—	010
	ALL	—	050	—	—	010
Personal services.	Owner operator hiring labour.	3020	490	—	—	2329
	Owner operator not hiring labour.	470	120	380	701	382
	Working partner not hiring labour.	250	—	—	1000	736
	ALL	550	125	380	725	417
TOTAL	Owner operator hiring labour.	3167	490	1288	—	2213
	Owner operator not hiring labour.	225	126	277	4097	928
	Working partner not hiring labour.	250	—	—	1000	736
	ALL	309	128	300	4014	945

**TABLE NO. 6**  
**Estimated expenditure (in Rs. 0.00) on 'Repair and maintenance' per month per self-employed person in profession & liberal arts by employment status and Industry groups**

*STATE AND CENTRAL POOLED*

Industry Group	Employment Status Group	PRINCIPAL AND SUBSIDIARY MEANS OF LIVELIHOOD COMBINED				
		Sub-Sample 1	Sub-Sample 2	Sub-Sample 3	Sub-Sample 4	Combined
1	2	3	4	5	6	7
Community services.	Owner operator not hiring labour.	—	051	—	—	016
	ALL	—	051	—	—	016
Personal services.	Owner operator hiring labour.	—	294	—	—	073
	Owner operator not hiring labour.	130	052	008	004	056
	ALL	122	055	008	004	055
TOTAL	Owner operator hiring labour.	—	294	—	—	027
	Owner operator not hiring labour.	051	047	003	001	029
	ALL	049	048	003	001	029

**TABLE NO. 7**  
**Estimated expenditure (in Rs. 0.00) on 'Other operational cost' per month per self-employed person in profession and liberal arts by employment status and Industry groups.**

*STATE AND CENTRAL POOLED*

Industry group	Employment status group	PRINCIPAL AND SUBSIDIARY MEANS OF LIVELIHOOD COMBINED				
		Sub-Sample 1	Sub-Sample 2	Sub-Sample 3	Sub-Sample 4	Combined
1	2	3	4	5	6	7
Community services.	Owner operator not hiring labour.	045	010	—	1058	226
	ALL	043	010	—	1058	226
Business services.	Owner operator not hiring labour.	031	—	—	125	07
	ALL	031	—	—	125	017
Personal services.	Owner operator not hiring labour.	018	005	023	089	027
	ALL	017	005	023	082	026
TOTAL	Owner operator not hiring labour.	034	008	009	708	145
	ALL	032	008	008	689	142

**TABLE NO. 8**  
**Total estimated expenditure (in Rs. 0.00) per month per self-employed person in profession and liberal arts by employment status and industry groups**

*STATE AND CENTRAL POOLED*

1	2	3	4	5	6	7
Community services.	Owner operator hiring labour.	3312	—	1288	—	2146
	Owner operator not hiring labour.	119	209	221	7106	1571
	ALL	200	209	259	7106	1580
Business services.	Owner operator not hiring labour.	031	013	—	125	026
	ALL	031	013	—	125	026
Recreation services.	Owner operator not hiring labour.	—	050	—	—	010
	ALL	—	050	—	—	010
Personal services.	Owner operator hiring labour.	3020	785	—	—	2403
	Owner operator not hiring labour.	618	178	410	795	465
	Working partner not hiring labour.	250	—	—	1000	736
	ALL	694	185	410	811	499
TOTAL	Owner operator hiring labour.	3167	785	1288	—	2240
	Owner operator not hiring labour.	310	181	289	4806	1103
	Working partner not hiring labour.	250	—	—	1000	736
	ALL	391	183	311	4704	1116

**TABLE NO. 9**  
**Value (in Rs. 0.00) of hired labour charges per month per self-employed person in profession and liberal arts by employment status and industry groups**

*STATE AND CENTRAL POOLED*

Industry group	Employment status group	PRINCIPAL AND SUBSIDIARY MEANS OF LIVELIHOOD COMBINED				
		Sub-Sample 1	Sub-Sample 2	Sub-Sample 3	Sub-Sample 4	Combined
1	2	3	4	5	6	7
Personal services.	Owner operator hiring labour.	—	2452	—	—	613
	Owner operator not hiring labour.	—	—	015	217	040
	ALL	—	030	015	200	047
TOTAL	Owner operator hiring labour.	—	2452	—	—	224
	Owner operator not hiring labour.	—	—	005	069	014
	ALL	—	010	005	067	013

**TABLE NO. 10**  
**Estimated expenditure (in Rs. 0.00) on monthly rent payable (accrued for the reference period) for hired land and buildings per self-employed person in profession and liberal arts by employment status and Industry groups**

*STATE AND CENTRAL POOLED*

Industry group	Employment status group	PRINCIPAL AND SUBSIDIARY MEANS OF LIVELIHOOD COMBINED				
		Sub-Sample 1	Sub-Sample 2	Sub-Sample 3	Sub-Sample 4	Combined.
1	2	3	4	5	6	7
Community services.	Owner operator hiring labour.	—	—	100	—	057
	Owner operator not hiring labour.	103	054	172	551	193
	ALL	100	054	169	551	191
Business services.	Owner operator hiring labour.	—	026	—	600	058
	ALL	—	026	—	600	058
	Owner operator not hiring labour.	042	039	041	085	048
Personal services.	ALL	039	038	041	078	046
	Owner operator hiring labour.	—	—	100	—	036
	Owner operator not hiring labour.	075	046	122	388	134
TOTAL	ALL	072	046	121	377	132

**TABLE NO. 11**  
**Estimated expenditure (in Rs. 0.00) on monthly interest Payable (accrued for the reference period) for loan Capital per self-employed person in profession and liberal arts by employment status and Industry groups**

*STATE AND CENTRAL POOLED*

Industry group	Employment status group	PRINCIPAL AND SUBSIDIARY MEANS OF LIVELIHOOD COMBINED				
		Sub-Sample 1	Sub-Sample 2	Sub-Sample 3	Sub-Sample 4	Combined
1	2	3	4	5	6	7
Community services.	Owner operator not hiring labour.	011	—	008	—	005
	ALL	011	—	008	—	005
	Owner operator not hiring labour.	006	—	005	—	003
TOTAL	ALL	006	—	005	—	003

TABLE NO. 12

Value (in Rs 0.00) of implement (e.g. machinery, equipments, furniture etc.) per self-employed person in profession and liberal arts by employment status and Industry groups

## STATE AND CENTRAL POOLED

Industry Group	Employment status group	PRINCIPAL AND SUBSIDIARY MEANS OF LIVELIHOOD POOLED				
		Sub-Sample 1	Sub-Sample 2	Sub-Sample 3	Sub-Sample 4	Combined
1	2	3	4	5	6	7
Community services.	Owner operator hiring labour.	3312	—	2500	—	2833
	Owner operator not hiring labour.	3164	2831	10125	46956	13462
	ALL	3168	2831	9853	46956	13302
Business services.	Owner operator not hiring labour.	700	11107	—	5000	7805
	ALL	700	11107	—	5000	7805
Recreation services.	Owner operator not hiring labour.	—	1000	—	1400	745
	ALL	—	1000	—	1400	745
Personal services.	Owner operator hiring labour.	1678	49038	—	—	13486
	Owner operator not hiring labour.	5002	3534	6037	2439	4375
	Working partner not hiring labour.	3000	—	—	5000	4250
	ALL	4837	4087	6037	2644	4504
TOTAL	Owner operator hiring labour.	2500	49038	2500	—	6734
	Owner operator not hiring labour.	3783	3653	8490	30961	9880
	Working partner not hiring labour.	3000	—	—	5000	4250
	ALL	3739	3836	8357	30263	9793

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