

EXPANSION OF EDUCATIONAL FACILITIES IN INDIA

(1946-47 to 1965-66)



EDUCATION COMMISSION¹
UNIVERSITY GRANTS COMMISSION BUILDING
BAHADUR SHAH ZAFAR MARG
NEW DELHI

1965

STATISTICAL PAPER NO. I

EXPANSION OF EDUCATIONAL FACILITIES IN INDIA

(1946-47 to 1965-66)

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Education Commission
University Grants Commission Building
Bahadur Shah Zafar Marg
New Delhi

..

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Educational Statistics in India (1946-47 to 1965-66)

I. Growth of Population in India according to Age-groups

(Figures in Thousands)

Item	1950-51		1955-56 +		1960-61		1965-66	
	Total	Females	Total	Females	Total	Females	Total	Females
1. Total Population.	36,11,30	17,55,54	40,01,83	19,42,48	43,82,72	21,24,59	49,47,81	23,95,52
2. Population in the Age-group:								
6-10	4,44,74	2,17,477	5,02,95	2,46,42	5,61,16	2,75,36	6,57,89	3,23,67
11-13	2,42,69	1,17,29	2,70,23	1,31,09	2,97,75	1,44,88	3,41,32	1,67,43
14-16	2,25,80	1,08,98	2,49,21	1,20,60	2,72,62	1,32,23	3,11,03	1,51,75
3. Population in the Age:								
10	84,84	41,17	95,12	46,34	1,05,42	51,52	1,21,74	59,86
13	78,96	38,10	87,63	42,44	96,29	46,77	1,10,08	53,91
16	73,47	35,53	80,88	39,17	88,28	42,81	1,00,72	48,03

+ Figures have been interpolated.

Source: Census statistics and population projections supplied by the Registrar General of India.

Educational Statistics in India (1946-47 to 1965-66)
II. Pre-Primary Education.

Item.	1946-47		1950-51		1955-56		1960-61		1965-66 (Estimated)	
	Total	Girls	Total	Girls	Total	Girls	Total	Girls	Total	Girls.
1. No. of Institutions			303	81	630	211	1,909	230	3,500	-
2. Enrolment in Pre-Primary Schools (In 000's)			22	10	46	20	121	56	200	95
3. Enrolment at Pre-Primary stage (in 000's)			28	13	75	31	179	82	250	120
4. Expenditure (Rs.)										
(i) Total (in 000's)			11,98	350	24,99	745	58,73	1079	1,00,00	-
(ii) Percentage of expenditure on salaries of teachers to total expenditure.			66.1	75.7	57.9	58.7	63.1	61.8	64.0	-
	available	available								
5. TEACHERS:-										
(i) Total			866	696	1,880	1,591	4,006	3,599	6,500	5,500
(ii) Percentage of trained teachers			64.0	63.5	60.9	61.3	66.5	66.5	70.0	70.0
(iii) Percentage of Graduate & Post-Graduate teachers	not	not	10.6	9.2	8.3	7.2	9.3	8.7	10.0	10.0
(iv) Percentage of Intermediate & matriculate teachers.	Data	Data	25.9	26.7	34.8	36.1	43.7	44.6	50.0	50.0
(v) Percentage of under-Matriculate teachers	Data	Data	63.5	64.1	56.9	56.8	47.0	46.7	40.0	40.0
(vi) Average Annual Salary per teacher (Rs.)			914.3	-	769.5	-	924.7	-	924.3	-
6. Pupil-Teacher Ratio			25	-	24	-	30	-	31.0	-
7. Cost per pupil (Rs.)			55.4	-	54.5	-	48.5	-	50.0	-

Source: Ministry of Education, Forms 'A'

Educational Statistics in India (1946-47 to 1965-66)

III- Primary Education

Item	1946-47		1950-51		1955-56		1960-61		1965-66 (Estimated)	
	Total	Girls	Total	Girls	Total	Girls	Total	Girls	Total	Girls
1. Number of Schools	172661	21430	209671	13901	278135	15230	330399	19829	4,00,00	25,000
2. Enrolment in Primary/Junior Basic Schools (In 000's)	13036	3475	18294	5196	22920	6973	26642	8374	4,00,00	1,08,00
3. Enrolment in Classes I-V(-do-)	14105	3480	19154	5385	25167	7639	34994	11401	5,10,00	1,80,00
4. Percentage of enrolment in classes I-V to population 6-10	35.0	17.4	43.1	24.8	50.1	31.0	62.4	41.4	77.8	55.8
5. Percentage of enrolment in Class V to population in age 10	N.A.	N.A.	22.4	10.3	25.2	12.5	34.3	19.8	43.2	27.1
6. Expenditure (Rs.)										
(i) Total (000's)	184867	30098	364843	35049	537272	47184	734461	52756	112,00,00	10,00,00
(ii) Percentage of expenditure on salaries of teachers to total expenditure.	N.A.	N.A.	80.3	-	83.8	-	88.1	-	90.0	-
7. TEACHERS										
(i) Total	406123	55575	537918	82281	691249	117067	741515	126831	10,50,000	2,00,00
(ii) Percentage of trained teachers.	64.1	69.1	58.8	69.1	61.2	73.7	64.1	73.4	70.0	75.0
(iii) Percentage of graduate and post-graduate teachers	N.A.	N.A.	0.2	0.5	0.4	0.6	0.6	1.2	1.0	1.8
(iv) Percentage of Intermediate/Matriculate teachers	N.A.	N.A.	10.1	11.8	24.0	21.9	35.7	34.1	45.0	43.0
(v) Percentage of under Matriculate teachers.	N.A.	N.A.	89.7	87.7	75.6	77.5	63.7	64.7	54.0	55.2
(vi) Average Annual Salary per teacher (Rs.)	-	-	544.5	-	651.5	-	872.8	-	960.0	-
8. Pupil Teacher-Ratio	32	-	34	-	33	-	36	-	38	-
9. Cost per pupil per annum	14.2	-	19.9	-	23.4	-	27.6	-	28.0	-

Source: Ministry of Education, Forms 'A'

Educational Statistics in India (1946-47 to 1965-66)
IV. Middle School Education

Item	1946-47		1950-51		1955-56		1960-61		1965-66 (Estimated)	
	Total	Girls	Total	Girls	Total	Girls	Total	Girls	Total	Girls
1. Number of schools	12843	1653	13596	1674	21730	2337	49663	4666	78,000	8,000
2. Enrolment in Middle/Senior Basic Schools (in 000's)	1781	321	2073	397	38,13	892	10611	3412	1,60,00	55,00
3. Enrolment in classes VI-VIII (in 000's)	2036	320	3330	534	42,93	867	6705	1630	1,08,00	28,00
4. Percentage of enrolment in classes VI-VIII to age-group 11-13.	9.0	2.9	13.7	4.6	15.9	6.2	22.5	11.3	31.7	16.8
5. Percentage of enrolment in class VIII to population in the age-group 13.	N.A.	N.A.	10.8	3.4	13.2	5.2	18.3	8.4	25.8	12.5
6. Expenditure (Rs.)										
(i) Total (in 000's)	48029	N.A.	76990	-	154050	19795	429220	47834	65,50,00	8,00,00
(ii) Percentage of expenditure on salaries of teachers to total expenditure	Not available		75.8	-	77.9	-	85.1	-	89.0	-
7. TEACHERS										
(i) Total	72413	10619	85496	12887	148394	23844	345288	83532	5,20,000	1,40,000
(ii) Percentage of trained teachers	59.0	63.5	53.3	58.3	58.5	67.1	66.5	73.4	70.0	75.0
(iii) Percentage of graduate/postgraduate teachers.	N.A.	N.A.	5.6	6.9	7.3	7.2	5.2	4.5	8.0	6.0
(iv) Percentage of Intermediate/Matriculate teachers.	N.A.	N.A.	41.6	33.5	43.1	38.0	48.0	41.9	56.0	50.0
(v) Percentage of under matriculate teachers.	N.A.	N.A.	62.8	59.6	49.6	54.8	46.8	53.6	36.0	44.0
(vi) Average Annual Salary per teacher (Rs.)	-	-	682.4	-	808.4	-	1057.3	-	1121.1	-
(8) Pupil Teacher Ratio	N.A.	N.A.	24	-	26	-	31	-	31	-
(9) Cost per pupil	47.0	-	37.1	-	40.4	-	40.5	-	40.9	-

Source: Ministry of Education, Forms 'A'

Educational Statistics in India (1946-47 to 1965-66)
V. High/Higher Secondary Education

	1946-47		1950-51		1955-56		1960-61		1965-66	
	Total	Girls	Total	Girls	Total	Girls	Total	Girls	Total	Girls
1. Number of schools.	5298	725	7238	1064	10838	1583	17257	2521	27,000	4000
2. Enrolment in high/higher Secondary Schools (in 000's)	2194	232	3160	550	4714	977	7512	1826	110,00	3000
3. Enrolment in school classes IX and above (in 000's)	871	N.A.	1220	163	1878	320	2337	541	52,00	1000
4. Percentage to age-group 14-16	N.A.	N.A.	5.4	1.5	7.6	2.7	10.6	4.1	16.8	6.6
5. Expenditure:-										
(i) Total (Rs. in 000's)	122259	19144	230450	35568	376144	62891	689117	115909	1080000	220000
(ii) Percentage of expenditure on salaries of teachers to total expenditure	N.A.	N.A.	69.1	-	72.0	-	72.3	-	73.0	-
6. TEACHERS:-										
(i) Total	87862	11643	126504	19982	189794	35035	296305	62293	440000	95000
(ii) Percentage of trained teachers	51.5	67.1	53.8	66.2	59.7	72.9	64.1	73.9	70.0	75.0
(iii) Percentage of graduate and postgraduate teachers.	N.A.	N.A.	41.8	37.4	47.7	42.1	49.7	44.3	55.0	50.0
(iv) Percentage of Intermediate & Matriculate teachers.	N.A.	N.A.	40.8	41.7	38.6	42.1	40.2	44.2	37.0	40.0
(v) Percentage of under matriculate teachers.	N.A.	N.A.	17.4	20.9	13.7	15.8	10.1	11.5	8.0	10.0
(vi) Average Annual salary per teacher (Rs.)	N.A.	N.A.	1258.3	-	1426.6	-	1681.0	-	1791.8	-
(7) Pupil teacher ratio.	25	-	25	-	25	-	25	-	25	-
8. Cost per pupil.	55.7	-	72.9	-	79.8	-	91.7	-	98.2	-

Source: Ministry of Education, Forms 'A'

Educational Statistics in India (1946-47 to 1965-66)

Table No. VI - Schools for Vocational and Technical Education

	1946-47		1950-51		1955-56		1960-61		1965-66 (Estimated)	
	Total	Girls	Total	Girls	Total	Girls	Total	Girls	Total	Girls
Total No. of Schools for Vocational and Technical Education.	N.A.	N.A.	2,339	460	3,074	689	4,145	857	5,500	1000
Total enrolment in Vocational and Technical Schools (in 000's)	N.A.	N.A.	187	41	261	63	401	79	6,00	1,00
Enrolment in Vocational and Technical courses (in 000's)	N.A.	N.A.	191	41	280	66	425	86	600	120
Total Expenditure (Rs. in 000's)	N.A.	N.A.	3,69,43	25,13	5,45,08	78,08	11,40,92	12289	23,00,00	2,00,00
<u>Teacher Training Schools (included in the above)</u>										
No. of Schools for Teacher Training	649	206	782	215	930	252	1,138	257	1300	300
Total enrolment in Teacher Training Classes. *	38,773	11,111	70,063	17,994	90,914	25,881	1,22,682	31,552	1,60,000	50,000
Total expenditure on Schools for Teacher Training (Rs. in 000's)	91,01	28,07	152,29	37,61	1,97,57	42,51	3,48,11	64,02	6,40,00	1,40,00
Cost per pupil per annum Rs.	234.7	-	219.4	-	236.7	-	315.0	-	400	-

* Includes enrolment in attached classes to other schools
 - Source: Ministry of Education, Forms 'A'

Educational Statistics in India (1946-47 to 1965-66)

VII - Universities, Boards and Research Institutions.

	1946-47		1950-51		1955-56		1960-61		1965-66 (Estimated)	
	Total	Girls	Total	Girls	Total	Girls	Total	Girls	Total	Girls
A. UNIVERSITIES										
1. No. of Universities	17	-	27	1	32	1	45	1	66	1
2. No. of University Teaching Deptts. / Teaching	N.A.	N.A.	237	-	305	-	479	-	690	-
3. Enrolment in University/Deptts.	16,148	N.A.	31,321	2,733	49,476	5,649	73,381	9,296	1,00,000	12,500
4. Teachers	N.A.	N.A.	3,085	92	3,497	193	5,589	275	8,500	400
5. Expenditure (Rs. in thousands)	2,29,77	-	4,90,53	2,95	7,98,05	3,36	14,13,89	4,73	25,00,00	8,00
B. BOARDS OF INTERMEDIATE/SECONDARY EDUCATION.										
1. Number	6	-	7	-	11	-	13	-	15	-
2. Expenditure (Rs. in thousands)	9,73	-	53,38	-	1,32,40	-	2,41,33	-	4,00,00	-
C. RESEARCH INSTITUTIONS.										
1. Number	-	-	18	-	34	-	41	-	50	-
2. Expenditure (Rs. in thousands)	-	-	62,56	-	1,39,04	-	2,69,86	-	6,00,00	-

Source: Ministry of Education, Forms A & B.

Educational Statistics in India (1946-47 to 1965-66)

VIII Colleges for Arts and Science.

Item	1946-47		1950-51		1955-56		1960-61		1965-66 (Estimated)	
	Total	Girls	Total	Girls	Total	Girls	Total	Girls	Total	Girls
1. Number of colleges	420	59	498	69	712	104	1,039	165	1,500	200
2. Enrolment in Arts & Science Colleges		N.A.								
	1,96,158		3,10,123	37,973	5,22,530	77,639	6,91,632	1,30,237	10,00,000	1,80,000
3. Enrolment in General Higher Education	1,93,402	N.A.	3,25,723	40,313	5,75,247	84,092	8,08,023	1,49,891	12,00,000	2,40,000
4. Expenditure:										
(i) Total (Rs. in 000's)	4,39,15	N.A.	7,17,14	62,01	11,64,74	97,69	20,91,53	2,25,02	30,00,00	5,00,00
(ii) Percentage of Exp. on Salaries of teachers to total expenditure.	N.A.	N.A.	57.6	-	62.8	-	62.2	-	66.7	-
5. i) Total number of Teachers.	N.A.	N.A.	15,312	1,623	23,812	2,929	35,555	5,345	50,000	8,000
ii) Average Annual Salary per teacher (Rs.)	-	-	2,696.1	-	30,69.9	-	3658.9	-	4,000.0	-
6. Pupil Teacher ratio	N.A.	N.A.	20	-	22	-	19	-	20	-
7. Cost per pupil per annum (Rs.)	223.9	-	231.2	-	222.9	-	302.4	-	300.0	-

* Includes enrolment in University teaching Department & Research Institutions.

- Source: Ministry of Education, Forms A.

Educational Statistics in India (1946-47 to 1965-66)
Professional Colleges for Professional Education.

Item	1946-47		1950-51		1955-56		1960-61		1965-66	
	Total	Girls	Total	Girls	Total	Girls	Total	Girls	(Estimates) Total	Girls
Total No. of Professional College	140	N.A.	208	17	346	24	852	97	1200	130
Total Enrolment in Professional Colleges (in 000's)	44	N.A.	54	4	94	8	194	27	3,00	52
Enrolment in Professional courses (in 000's)	N.A.	N.A.	90	5	149	9	265	26	420	50
Total Expenditure on Professional Colleges (Rs. in 000's)	1,86,59	N.A.	4,21,93	25,18	7,00,08	38,69	15,80,41	70,14	32,00,00	2,00,0
<u>Teacher Training Colleges (included in the above)</u>										
Total No. of colleges	42	N.A.	53	14	107	21	478 **	92	250	50
Total enrolment in Teacher Training Classes *	3,095	N.A.	5,781	1,930	14,280	4,318	46,770	15,249	30,000	10,000
Total Expenditure (Rs.000's)	22,01	N.A.	35,47	7,00	65,66	10,61	2,15,14	32,47	2,40,00	60,00
Cost per pupil per annum (Rs.)	N.A.	N.A.	331.8	-	583.0	-	424.1	-	800.0	

** Includes undergraduate institutions also.

* Includes enrolment in Teacher Training classes attached to other institutions.

Source: Ministry of Education, Form A

EDUCATIONAL STATISTICS IN INDIA (1946-47 to 1965-66)

X. Schools and Colleges for Special Education

ITEM	1946-47		1950-51		1955-56		1960-61		1965-66 (Estimated)	
	Total	Girls	Total	Girls	Total	Girls	Total	Girls	Total	Girls
<u>Schools for Special Education</u>										
1. Total No. of Schools	N.A.		52,813	7,555	50,987	4,680	67,084	13,287	1,00,000	20,00
2. Total enrolment (in 000's)	N.A.		14,04	218	14,88	167	16,90	335	20,00,00	50
3. Total expenditure (Rs. in 000's)	N.A.		233,35	25,35	2,65,29	24,88	3,19,97	38,02	4,00,00	50,00
<u>Colleges for Special Education</u>										
4. Total No. of Colleges	N.A.		92	7	112	14	208	21	300	4
5. Total enrolment (in 000's)	N.A.		7	2	13	4	25	10	50	2
6. Total expenditure (Rs. in 000's)	N.A.		22,24	301	36,35	612	91,25	14,68	1,50,00	20,0

Source: Ministry of Education, Forms A.

Educational Statistics in India (1946-47 to 1965-66)
XI Educational Expenditure by Sources.

Source	1946-47		1950-51		1955-56		1960-61		1965-66 (Estimated)	
	Amount (Rs. in 000's)	Percentage	Amount (Rs. in 000's)	Percentage	Amount (Rs. in 000's)	Percentage	Amount (Rs. in 000's)	Percentage	Amount (Rs. in 000's)	Percentage
1. Central Govt.	25,95,89 *	45.3	3,52,47	3.1	12,14,94	6.4	29,57,73	8.6	40,00,00	7.3
2. State Government			61,74,31	54.0	1,05,05,56	55.4	2,04,51,36	59.4	3,60,00,00	65.5
3. District Boards.	5,18,67	8.7	7,86.02	6.9	9,89,98	5.2	11,83,36	3.4	16,00,00	2.9
4. Municipal Board.	3,21,54	5.8	4,63,85	4.0	6,45,50	3.4	10,65,73	3.1	20,00,00	3.6
5. Fees	15,22,22	25.6	23,32,72	20.4	37,90,33	20.0	59,02,58	17.1	80,00,00	14.5
6. Endowment and other sources.	8,07,81	14.6	13,28,85	11.6	18,19,80	9.6	28,77,15	8.4	34,00,00	6.2
7. Total	57,66,13	100.0	1,14,38,22	100.0	1,89,66,10	100.0	3,44,38,01	100.0	5,50,00,00	100.0

* Includes Expenditure from Central Government funds.

Source:= Ministry of Education Form 'A'

Educational Statistics in India (1946-47 to 1965-66).

XII - Educational Expenditure by Objects (Rs. in 000's).

Objects.	1946-47		1950-51		1955-56		1960-61		1965-66 (Estimated)	
	Amount.	Percentage	Amount.	Percentage	Amount.	Percentage	Amount.	Percentage	Amount.	Percentage
DIRECT EXPENDITURE.										
1. Pre-Primary Schools. N.A.	-		11,98	0.1	24,99	0.1	58,73	0.2	1,00,00	0.2
2. Primary Schools	18,48,67	32.6	36,48,43	31.9	53,72,72	28.3	73,44,61	21.3	1,12,00,00	20.4
3. Middle Schools.	4,80,29	8.5	7,69,90	6.7	15,40,50	8.1	42,92,20	12.5	65,50,00	11.9
4. High/Higher Secondary Schools.	12,22,59	21.5	23,04,50	20.1	37,61,44	19.8	68,91,17	20.0	1,08,00,00	19.6
5. Schools for Vocational and Technical Edn.	N.A.	N.A.	3,69,43	3.2	5,45,08	2.8	11,40,91	3.3	23,00,00	4.2
6. Universities, Research Insts. and Boards.	2,19,50	4.2	6,06,47	5.3	10,69,49	5.7	19,25,08	5.6	35,00,00	6.4
7. Colleges for Arts and Science.	4,39,15	7.7	7,17,14	6.3	11,64,74	6.1	20,91,53	6.1	30,00,00	5.4
8. Colleges for Professional Edn.	1,86,59*	3.3	4,21,93	3.7	7,00,08	3.6	15,80,41	4.6	32,00,00	5.8
9. Schools and Colleges for Special Edn.	2,55,56@	4.5	2,55,59	2.2	3,01,64	1.6	4,11,22	1.2	5,50,00	1.0
10. Total Direct Exp.	46,72,35	82.3	91,05,39	79.6	1,44,80,69	76.4	2,57,35,88	74.7	4,12,00,00	74.9

* Includes expenditure on Special Colleges also

@ Excludes expenditure on Special Colleges.

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next page

XII (contd.)

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Objects.	1946-47		1950-51		1955-56		1960-61		1965-66 (Estimated).	
	Amount.	Percentage.	Amount	Percentage.	Amount.	Percentage.	Amount	Percentage.	Amount	Percentage.
INDIRECT EXPENDITURE.										
11. Direction and Inspection.	1,82,38	3.2	2,73,64	2.4	4,00,06	2.1	7,01,23	2.0	10,45,00	1.9
12. Buildings.	2,84,53	5.0	9,92,70	8.7	19,63,58	10.4	42,81,58	12.4	61,05,00	11.1
13. Scholarships, stipends and other financial concessions.	*	-	3,44,56	3.0	8,21,72	4.3	20,02,22	5.8	38,50,00	7.0
14. Hostel Charges.			1,82,64	1.6	2,66,10	1.4	4,31,49	1.3	8,75,00	1.6
15. Miscellaneous.	5,36,57@	9.5	5,39,28	4.7	10,73,96	5.5	12,85,62	3.7	19,25,00	3.5
16. Total Indirect Expenditure.	10,03,48	17.7	23,32,82	20.4	44,85,42	23.6	87,02,14	25.3	1,38,00,00	25.1
17. Grand Total.	56,75,83	100.0	1,14,38,22	100.0	1,89,66,10	100.0	3,44,38,01	100.0	5,50,00,00	100.0

* Included in Miscellaneous.

@ Includes expenditure on Scholarships etc.

Source: Ministry of Education, Form 'A'.