

Infrastructure in Elementary Schools: A Preliminary Analysis of DISE¹ 2008-09 Data

Soon NUEPA is likely to release detailed state-specific indicators and **Educational Development Index (EDI)** through one of its publications, namely **DISE Flash Statistics: Elementary Education in India: Progress towards UEE** which is based on the data collected during the year 2008-09 with **30th September 2008** as its date of reference. Data for the year 2008-09 is received from **1.29 million** recognised schools imparting elementary education from across **633 districts** spread over **35 States and Union Territories** of the country.

Background (DISE)

The National University of Educational Planning and Administration has created a comprehensive database on elementary education in India known as District Information System for Education (DISE), under one of its most prestigious projects. The project covers both primary and upper primary schools/sections of all the districts of the country. The MIS Units are now operational both at the district and state levels and are equipped with necessary hardware and software. The DISE software is also operational in all the districts of the country and is providing vital information for policy formulation and preparation of district elementary education plans. What is more remarkable about DISE is that it has drastically reduced the time-lag in the availability of educational statistics which is now down from 7-8 years to less than a year at the national level and only a few months at the district and state levels.

The National University has successfully developed School Report Cards (<http://schoolreportcards.in>) of more than 1.29 million primary and upper primary schools/sections, and is available for 2005-06, 2006-07, 2007-08 and 2008-09. In addition to quantitative information, the Report Cards also provide qualitative information and descriptive reports about individual schools. And, all this information can now be accessed on the click of a

¹ DISE stands for District Information System for Education which is a joint initiative of the National University of Educational Planning and Administration (NUEPA), Department of School Education and Literacy, Ministry of HRD and UNICEF. For more details, please visit <http://dise.in> and <http://schoolreportcards.in>

mouse. The Report Cards provide the users comprehensive information on all the vital parameters, be it student, teacher or school related variables, in concise, accurate and standard format which is easy to understand and allows meaningful comparisons to be made among schools. Users can also download raw data as per their requirement for further empirical studies. Around 1,000 users from around the World have been registered for downloading of the raw data. Apart English and Hindi, the School Report Cards are also made available in a few regional languages.

All DISE publications, such as 'district and state report cards', 'elementary education in rural and urban India', 'DISE flash statistics including educational development index', and 'elementary education in India: progress towards UEE, analytical reports', are available at <http://dise.in>. Publications based on DISE data brought out during last five years have also been provided in the Compact Disk

Facility Indicators: 2008-09

The preliminary analysis of a select few indicators suggests significant improvement in all facility indicators which is true for both state as well as country as a whole. As of 30th September 2008, as many as 1,26,335 primary and 48,994 upper primary schools/sections have been opened under the Government managements since the inception of SSA. It is heartening to observe that all managements together, as many as 2,22,534 schools have been opened which is about 17.32 percent of the total schools in 2008-09 in the country and more than 90 percent of these new schools have school building. Jharkhand has opened as many as 16,102 primary schools/sections which is incidentally is the highest among all the 35 States and UTs of the country. On the other hand, Uttar Pradesh opened the highest number of Upper Primary schools/sections (21,042 schools/sections). Opening of new schools is also reflected in the ratio of Primary to Upper Primary schools/sections which stood at 2.27 in 2008-09 compared to 2.42 Primary schools/sections per Upper Primary school/section. Arunachal Pradesh (4.16) and West Bengal (5.48) are the only two states which has high ratio of Primary to Upper Primary schools/sections.

The average number of instructional rooms in Primary schools has also improved to 3.1 in 2008-09 from 3.0 in the previous year. Assam is the only state in the country which has less than 2

classrooms in its Primary schools. On the other hand, Chandigarh has an average of 13.3 classrooms compared to 11.5 in Delhi and 6.0 in Kerala. The improvement in average number of classrooms is also reflected in the improvement in student-classroom ratio which has improved to 33 students per classroom in 2008-09 from 35 students in the previous year.

It is heartening to note that about 88 percent of the 1.29 million schools that impart elementary education in the country now have drinking water facility in school. All the schools in Chandigarh, Daman and Diu, Delhi, Lakshadweep, and Tamil Nadu have been provided with the drinking water facility in the school. It may be observed that 86.75 percent schools had drinking water facility in 2007-08.

About 67 percent schools in the country now have access to common toilets in 2008-09 compared to only 62.67 percent in the previous year all which suggests that the facility was extended to a large number of additional schools during the intermediary years i.e. 2007-08 to 2008-09. More than 50 percent of total 1.29 million schools now have girl's toilet compared to 50.55 percent in the previous year i.e. 2007-08.

It is interesting to note that about 14 percent schools have computer in the schools with percentage of such schools as high as 85.88 percent in Chandigarh, 85.84 percent in Delhi, 79.93 percent in Kerala and 89.74 percent in Lakshadweep compared to only 0.68 percent in Bihar and 3.59 percent such schools in Uttar Pradesh. On the other hand, it has been observed that 40.39 percent schools in 2008-09 have ramp in school and 43.33 percent Government and Aided schools, a kitchen-shed in the school premises.

For details, please wait for

DISE Flash Statistics: Elementary Education in India: Progress towards UEE, 2008-09

For further information

Please contact:

Dr. Arun C. Mehta
Professor & Head, Department of
Educational Management Information System (EMIS)
NUEPA, New Delhi - 110016
Telephone: 011-26853037

Table 1: Facility Indicators, DISE 2008-09

State/UT	Number of New Government Schools Opened during the period 2002-03 to 2008-09		Average Number of Instructional Days (In Previous Academic Year, 2007-08)
	Primary Schools/Sections	Upper Primary Schools/Sections	
	2008-09	2008-09	2008-09
A & N Islands	16	3	202
Andhra Pradesh	6506	3299	217
Arunachal Pradesh	2452	140	187
Assam	14402	302	231
Bihar	15749	345	186
Chandigarh	6	5	230
Chhattisgarh	4399	6959	224
D & N Haveli	88	9	226
Daman & Diu	0	0	226
Delhi	99	74	213
Goa	4	1	194
Gujarat	2260	688	216
Haryana	738	652	205
Himachal Pradesh	354	1267	233
Jammu & Kashmir	8032	211	213
Jharkhand	16102	440	225
Karnataka	3880	550	217
Kerala	28	10	184
Lakshadweep	2	1	215
Madhya Pradesh	4247	7085	222
Maharashtra	5115	745	216
Manipur	35	6	200
Meghalaya	151	66	191
Mizoram	261	209	198
Nagaland	49	41	183
Orissa	6813	340	203
Puducherry	9	0	192
Punjab	322	302	228
Rajasthan	13334	1970	224
Sikkim	48	1	191
Tamil Nadu	2402	920	217
Tripura	748	19	220
Uttar Pradesh	15475	21042	187
Uttarakhand	1453	1120	218
West Bengal	756	172	201
All States	126335	48994	211

Source: DISE 2008-09 (to be released soon).

Table 2: Facility Indicators, DISE 2008-09

State/UT	Average Number of Classrooms		Average Student-Classroom Ratio (SCR)		% Schools having Drinking Water Facility	
	Primary Schools		All Schools		All Schools	
	2007-08	2008-09	2007-08	2008-09	2007-08	2008-09
A & N Islands	4.3	4.4	19	19	98.05	98.61
Andhra Pradesh	2.7	2.8	26	25	90.00	85.59
Arunachal Pradesh	2.1	2.3	21	20	65.76	63.30
Assam	1.6	1.8	39	35	62.25	65.34
Bihar	1.9	2.0	96	96	80.55	85.32
Chandigarh	13.0	13.3	28	30	100.00	100.00
Chhattisgarh	2.6	2.9	30	28	86.72	88.74
D & N Haveli	1.8	2.0	41	39	91.12	93.83
Daman & Diu	4.9	5.1	32	36	86.73	100.00
Delhi	12.8	11.5	28	37	99.54	100.00
Goa	2.5	2.5	22	23	96.47	97.70
Gujarat	3.2	2.9	35	34	87.19	90.24
Haryana	4.3	4.5	30	30	97.40	96.99
Himachal Pradesh	3.1	3.1	16	15	93.08	94.10
Jammu & Kashmir	2.6	2.3	17	17	75.93	78.66
Jharkhand	1.4	1.6	60	54	70.73	71.70
Karnataka	2.7	2.5	29	27	79.59	82.73
Kerala	6.3	6.0	25	25	97.58	97.73
Lakshadweep	9.3	9.3	24	22	100.00	100.00
Madhya Pradesh	3.1	3.1	33	31	91.95	92.69
Maharashtra	3.2	3.0	32	31	87.47	87.70
Manipur	3.4	3.5	21	19	75.94	76.58
Meghalaya	2.4	2.4	19	18	50.64	50.61
Mizoram	4.2	4.2	19	19	79.23	80.64
Nagaland	5.4	5.7	22	22	72.06	75.15
Orissa	2.7	2.6	30	30	85.61	83.33
Puducherry	5.5	5.4	22	21	98.29	99.71
Punjab	3.6	3.6	26	24	97.66	97.32
Rajasthan	2.6	2.7	26	25	87.73	91.96
Sikkim	4.5	4.7	15	15	79.83	87.50
Tamil Nadu	4.3	4.5	29	28	100.00	100.00
Tripura	4.1	4.3	29	28	76.88	77.77
Uttar Pradesh	4.0	4.1	41	39	97.70	97.58
Uttarakhand	2.9	2.9	20	20	86.99	87.23
West Bengal	2.7	2.9	51	47	78.83	82.71
All States	3.0	3.1	35	33	86.75	87.77

Source: DISE 2008-09 (to be released soon).

Table 3: Facility Indicators, DISE 2008-09

State/UT	% Schools having Common Toilet		% Schools having Girl's Toilet		% Schools having Computer		% Schools having Ramp	% Schools having Kitchen-Shed in Government & Aided Managements
	All Schools		All Schools		All Schools		All Schools	All Schools
	2007-08	2008-09	2007-08	2008-09	2007-08	2008-09	2008-09	2008-09
A & N Islands	84.40	95.56	73.82	81.67	41.23	47.50	7.22	25.08
Andhra Pradesh	61.27	61.45	46.75	47.14	21.11	22.71	11.98	33.07
Arunachal Pradesh	21.73	25.79	11.90	16.08	9.15	9.54	2.95	39.95
Assam	26.33	30.27	10.54	12.74	3.69	3.24	22.46	37.44
Bihar	48.52	57.19	21.62	26.06	0.58	0.68	29.26	14.85
Chandigarh	38.07	40.11	94.89	94.92	76.14	85.88	38.98	25.21
Chhattisgarh	37.63	44.16	19.95	23.13	8.52	6.30	33.01	-
D & N Haveli	32.24	42.21	25.33	32.79	5.92	4.22	6.17	34.27
Daman & Diu	80.61	89.90	61.22	73.74	36.73	43.43	33.33	63.04
Delhi	90.45	-	74.15	87.87	72.80	85.84	58.99	6.84
Goa	54.96	61.10	45.38	58.03	30.61	31.22	24.76	4.43
Gujarat	70.65	73.10	65.26	67.73	36.50	37.69	77.75	47.37
Haryana	94.09	94.80	87.32	87.54	25.29	27.46	57.38	18.67
Himachal Pradesh	48.01	50.86	38.72	42.90	11.14	12.94	33.40	16.36
Jammu & Kashmir	37.81	35.27	21.99	20.36	12.99	11.66	10.71	1.78
Jharkhand	34.71	40.92	20.71	28.23	5.54	5.83	7.00	32.33
Karnataka	70.41	83.29	47.16	56.04	11.84	18.35	44.94	73.41
Kerala	84.11	82.88	78.99	77.87	71.20	79.93	59.90	77.47
Lakshadweep	75.68	76.92	62.16	64.10	81.08	89.74	82.05	82.05
Madhya Pradesh	71.62	74.20	46.98	47.60	12.36	10.38	47.82	58.21
Maharashtra	75.09	77.14	60.02	63.94	36.49	37.17	61.26	31.83
Manipur	51.08	51.44	18.03	18.64	11.32	11.99	4.98	NR
Meghalaya	30.72	32.82	10.20	11.15	6.24	7.25	8.03	22.96
Mizoram	77.25	81.71	23.50	34.22	13.94	15.64	37.23	55.16
Nagaland	77.17	79.88	37.02	57.36	19.66	23.57	8.08	84.15
Orissa	50.86	57.15	28.04	34.01	7.96	7.51	23.55	24.69
Puducherry	69.99	99.28	86.20	88.58	63.02	70.95	39.31	26.07
Punjab	88.38	89.17	86.09	83.27	30.61	32.53	37.68	20.79
Rajasthan	36.09	48.65	79.32	82.99	14.88	2.73	38.98	46.30
Sikkim	88.70	98.69	42.26	41.43	21.91	24.04	6.03	31.90
Tamil Nadu	65.60	66.74	62.33	64.15	24.28	32.12	45.86	87.84
Tripura	69.11	70.47	22.58	26.63	7.90	8.71	50.73	67.66
Uttar Pradesh	91.04	92.65	82.36	84.20	3.30	3.59	56.13	59.52
Uttarakhand	84.45	85.55	52.13	52.21	22.64	22.27	33.74	67.34
West Bengal	68.95	74.34	35.13	41.18	4.99	5.90	57.34	66.58
All States	62.67	66.84	50.55	53.60	14.25	14.12	40.39	43.44

Source: DISE 2008-09 (to be released soon).