

**NEIMS (NATIONAL  
EDUCATION  
INFRASTRUCTURE  
MANAGEMENT SYSTEM)  
PDF REPORT 2009**

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# 1. BACKGROUND

## 1.1. Introduction

The School Register of Needs Survey (SRN) conducted in 1996 and 2000 resulted in the first comprehensive database on school infrastructure in the history of education in South Africa, providing information on physical facilities, basic services, learning material and equipment. During 2006, another assessment was conducted, expanding on the two previous surveys. The report, namely the National Education Infrastructure Management System (NEIMS) was published in September 2007.

Subsequent to the publication of NEIMS in 2007, data clean-up and update was conducted and new reports generated. These reports will be updated on a quarterly basis based on assessment received from Provincial Education Departments.

## 1.2. Definitions

**NEIMS - National Education Infrastructure Management System**

**EMIS - Education Management Information System**

**School Site** - Refers to the actual physical location of a school.

**School** - A public school or an independent school which enrol learners in one or more grades from Grade R (reception) to Grade 12.

**Learner with Special Education Needs (SNE)**

**Special Needs Education** - Education that is specialised in its nature and addresses barriers to learning and development experienced by learners with special education needs (including those with disabilities) in special as well as ordinary schools.

**Special schools** - Schools resourced to deliver education to learners requiring high-intensity educational and other support on either a full-time or a part-time basis. The learners who attend these schools include those who have physical, intellectual or sensory disabilities or serious behaviour

and/or emotional problems, and those who are in conflict with the law or whose health-care needs are complex.

**Ordinary school** A school that is not a special school

**Primary school** - Institution that offers formal schooling between the range of Grades R to 7.

**Public School** - A school contemplated in Chapter 3 of the South African Schools Act 84 of 1996

**Combined School** - A school that offers a selection of grades between Grade R and Grade 12, but such a selection is not in line with the grade limits of either a primary or a secondary school.

**Intermediate school** - A school that offers a selection of grades between Grade R and Grade 12, but such a selection is not on line with the grade limits of either a primary or secondary school.

**Secondary School** - Institutions offering a lowest level of Grade 8 and a highest level of Grade 12. There are also institutions included in this group that offer only a selection of grades within these limits.

**Platoon school** A school with its own learners, staff, principal and EMIS number which uses the building and infrastructure of the host school.

**Platoon sites are sites where:**

- More than one school is using the same facilities, the host schools during the morning and another school (platoon school) during the afternoon. The platoon school has no facilities and is in need for own site and school buildings.

### **1.3. Photo examples of structures**

#### **1.3.1. Electrification of sites**

##### **Grid electrification**



##### **Solar**



#### **1.3.2. Water facilities on sites**

##### **1.3.2.1. Municipal water supply to a site**



##### **1.3.2.2. Borehole on site**





### **1.3.2.3. Rain harvesting on site**



### **1.3.2.4. Portable water / tanker on site**



### **1.3.3. Sanitation facilities on site**

#### **1.3.3.1. Buckets on site (to be noted that this includes chemical toilets, attached examples of chemical toilets)**



### **1.3.3.2. Pit latrines on site**



### **1.3.3.3. VIP- pit latrine with ventilated pipe at the back of the toilet**







**1.3.3.4. Enviro loo on site**



**1.3.3.5. Flush toilets connected to municipal sewage system or to a septic tank.**







#### **1.3.4. Fencing on site**

##### **1.3.4.1. Concrete palisade and brick wall as fencing on site**



### ***Steel palisade fence on site***



### ***1.3.4.2. Wire fencing on site***



### ***1.3.5. Sport facilities on site***

#### ***1.3.5.1. Paved area used as combi court on site***





#### **1.3.5.2. Soccer field on site**



#### **1.3.5.3. Netball and tennis facilities on site**



#### **1.3.5.4. Hockey and cricket facilities on site**



### **1.3.5.5. Athletics facilities on site**



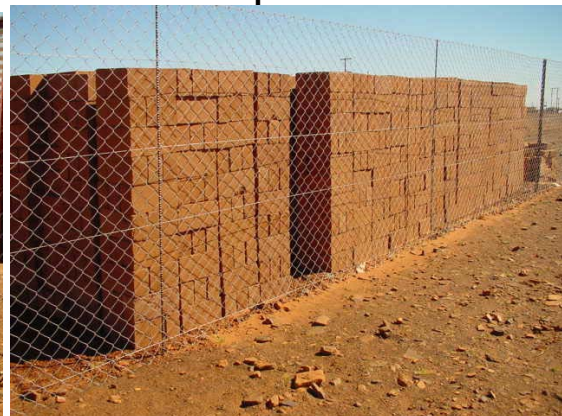
### **1.3.6. Building material used as walls for buildings**

#### **1.3.6.1. Mud / clay used as building material on site**

**Modern technology face brick and mud/clay bricks**



**Making of mud / clay bricks Northern Cape**





### Traditional mud structures



#### 1.3.6.2. Face bricks used as building material on site



#### 1.3.6.3. Other type of building material used for walls on site



**1.3.6.4. Plastered brick used as building material on site**



**1.3.6.5. Other types of brick used as building material for walls on site**



**1.3.6.6. Metal used as building material for walls on site**



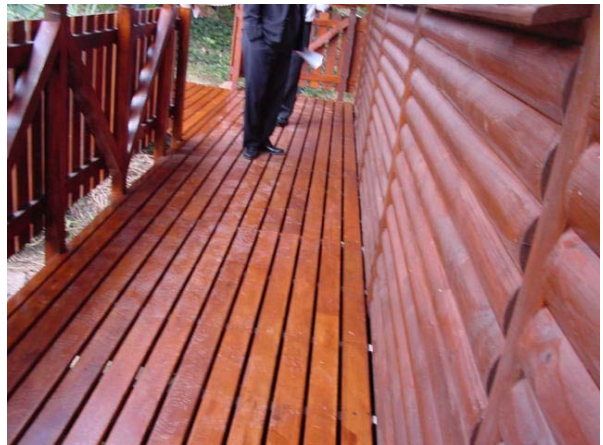




**1.3.6.7. Prefabricate building material used as walls on site**



**1.3.6.8. Wood used as building material for walls on site**



**Inside view of wood structures**





**1.3.6.9. Mobile classrooms, there are different types of building material used for this type of classroom.**





# Department of Education

## Sites Type Grid Summary

Date 02/11/2009

Table 1

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Sites : Open

Province	Ordinary Schools	Special Needs Education (SNE)
Eastern Cape	5,715	41
Free State	1,643	18
Gauteng	1,994	94
KwaZulu Natal	5,835	63
Limpopo	3,918	18
Mpumalanga	1,540	15
North West	1,740	34
Northern Cape	609	10
Western Cape	1,466	66
<b>National Total</b>	<b>24,460</b>	<b>359</b>



# Department of Education

## Learner Number Analysis - Ordinary School

### Combined Schools



# Department of Education

## Learner Number Analysis - Ordinary School

### Intermediate Schools



# Department of Education

## Learner Number Analysis - Ordinary School

### Primary Schools

Date 02/11/2009

Table 2

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Sites : Open

Province	Total Number		Learners			Learners			Learners			Learners			Learners			Learners			Learners		
	Schools	Learners	1 - 30			31 - 50			51 - 120			121 - 240			241 - 720			721 - 900			> 900		
			Sites	%	Learners	Sites	%	Learners	Sites	%	Learners	Sites	%	Learners	Sites	%	Learners	Sites	%	Learners	Sites	%	Learners
Eastern Cape	2,427	589,890	223	9	3,563	161	7	6,532	503	21	43,206	707	29	126,165	673	28	258,516	69	3	55,107	89	4	96,801
Free State	1,124	311,797	557	50	7,990	108	10	4,207	70	6	5,124	34	3	6,067	140	12	68,881	68	6	55,092	146	13	164,436
Gauteng	1,330	1,006,233	2	0	56	4	0	171	26	2	2,404	69	5	13,512	536	40	264,724	249	19	202,377	443	33	522,989
KwaZulu Natal	3,767	1,593,696	74	2	1,594	74	2	2,967	282	7	24,378	727	19	132,559	2,043	54	880,955	290	8	233,456	277	7	317,787
Limpopo	2,483	998,355	69	3	1,381	44	2	1,790	163	7	14,125	483	19	88,662	1,434	58	617,952	149	6	118,504	141	6	155,941
Mpumalanga	954	432,349	71	7	1,271	52	5	2,095	141	15	11,491	108	11	19,306	350	37	164,697	86	9	68,715	146	15	164,774
North West	1,024	401,240	65	6	1,354	53	5	2,081	123	12	10,260	186	18	33,129	419	41	179,635	78	8	62,140	100	10	112,641
Northern Cape	351	121,641	31	9	517	30	9	1,189	75	21	6,227	59	17	9,974	97	28	44,104	21	6	16,833	38	11	42,797
Western Cape	954	515,711	42	4	844	63	7	2,532	117	12	9,936	103	11	18,394	300	31	141,076	107	11	86,918	221	23	256,011
<b>Total</b>	<b>14,414</b>	<b>5,970,912</b>	<b>1,134</b>	<b>8</b>	<b>18,570</b>	<b>589</b>	<b>4</b>	<b>23,564</b>	<b>1,500</b>	<b>10</b>	<b>127,151</b>	<b>2,476</b>	<b>17</b>	<b>447,768</b>	<b>5,992</b>	<b>42</b>	<b>2,620,540</b>	<b>1,117</b>	<b>8</b>	<b>899,142</b>	<b>1,601</b>	<b>11</b>	<b>1,834,177</b>

Based on 2008 Learner figures. Source - EMIS



# Department of Education

## Learner Number Analysis - Ordinary School

### Secondary Schools

Date 02/11/2009

Table 2

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Sites : Open

Province	Total Number		Learners			Learners			Learners			Learners			Learners			Learners			Learners		
	Schools	Learners	1 - 30			31 - 50			51 - 120			121 - 240			241 - 720			721 - 900			> 900		
			Sites	%	Learners	Sites	%	Learners	Sites	%	Learners	Sites	%	Learners	Sites	%	Learners	Sites	%	Learners	Sites	%	Learners
Eastern Cape	843	406,208	10	1	183	11	1	457	65	8	5,618	151	18	27,215	416	49	184,548	80	9	64,456	110	13	123,731
Free State	231	185,316	0	0	0	0	0	0	0	0	0	5	2	954	96	42	49,939	42	18	34,117	88	38	100,306
Gauteng	514	579,627	0	0	0	0	0	0	0	0	0	5	1	820	67	13	38,219	75	15	60,885	367	71	479,703
KwaZulu Natal	1,495	899,121	5	0	110	4	0	147	41	3	3,576	189	13	36,203	750	50	347,812	184	12	148,316	322	22	362,957
Limpopo	1,312	664,917	0	0	0	2	0	72	38	3	3,458	214	16	39,307	779	59	348,652	136	10	108,998	143	11	164,430
Mpumalanga	313	247,911	0	0	0	0	0	0	0	0	0	10	3	1,751	137	44	67,408	50	16	40,332	116	37	138,420
North West	291	189,020	0	0	0	0	0	0	11	4	1,070	31	11	5,677	138	47	67,239	34	12	27,285	77	26	87,749
Northern Cape	104	64,122	0	0	0	1	1	37	2	2	178	9	9	1,724	50	48	22,617	20	19	16,065	22	21	23,501
Western Cape	311	297,897	0	0	0	0	0	0	0	0	0	3	1	681	82	26	44,895	50	16	40,838	176	57	211,483
<b>Total</b>	<b>5,414</b>	<b>3,534,139</b>	<b>15</b>	<b>0</b>	<b>293</b>	<b>18</b>	<b>0</b>	<b>713</b>	<b>157</b>	<b>3</b>	<b>13,900</b>	<b>617</b>	<b>11</b>	<b>114,332</b>	<b>2,515</b>	<b>46</b>	<b>1,171,329</b>	<b>671</b>	<b>12</b>	<b>541,292</b>	<b>1,421</b>	<b>26</b>	<b>1,692,280</b>

Based on 2008 Learner figures. Source - EMIS

# Department of Education

## Learner Number Analysis - Ordinary School



Province	No of Sites	Electricity Supply	No Electricity Supply	Unreliable Electricity Supply	Solar panel on Site	Generator on Sites	Municipal Grid connection on site
Eastern Cape	5,715	4,538	1,177	117	1,141	32	3,431
Free State	1,643	1,395	248	34	35	0	1,364
Gauteng	1,994	1,983	11	103	0	1	1,982
KwaZulu Natal	5,835	4,278	1,557	411	369	47	3,889
Limpopo	3,918	3,627	291	68	290	10	3,395
Mpumalanga	1,540	1,337	203	15	0	0	1,337
North West	1,740	1,648	92	13	5	1	1,642
Northern Cape	609	587	22	28	13	3	576
Western Cape	1,466	1,464	2	11	2	3	1,460
Total	24,460	20,857	3,603	800	1,855	97	19,076
					One site could have more than one type of electricity source		

Province	No of Sites	Electricity Supply	No Electricity Supply	Unreliable Electricity Supply	Solar panel on Site	Generator on Sites	Municipal Grid connection on site
Eastern Cape	41	39	2	0	0	1	38
Free State	18	18	0	0	0	0	18
Gauteng	94	92	2	4	0	0	92
KwaZulu Natal	63	63	0	2	0	0	63
Limpopo	18	18	0	0	0	1	18
Mpumalanga	15	15	0	0	0	0	15
North West	34	33	1	1	0	0	33
Northern Cape	10	10	0	1	0	0	10
Western Cape	66	66	0	1	0	3	66
Total	359	354	5	9	0	5	353
					One site could have more than one type of electricity source		

# Department of Education

Province	No of Sites	Water Supply	No Water Supply	Unreliable Water Supply	Borehole / Rain Harvesting on Site	Communal Water Supply on Site	Mobile Tankers Water Supply on Site	Municipal Water Supply on site
Eastern Cape	41	40	1	0	8	2	1	31
Free State	18	18	0	0	1	3	0	15
Gauteng	94	92	2	2	13	30	0	65
KwaZulu Natal	63	63	0	5	1	3	0	60
Limpopo	18	17	1	3	11	5	1	4
Mpumalanga	15	15	0	1	4	1	1	11
North West	34	34	0	4	6	12	0	21
Northern Cape	10	10	0	0	1	3	0	7
Western Cape	66	66	0	1	4	19	0	47
Total	359	355	4	16	49	78	3	261
					One site could have more than one type of water source			

**Sites : Open**

**Site Type** Ordinary School

Province	Municipal Flush	Septic Flush	Enviro Loo	VIP	Pitlatrine	Buckets/ Chemical	No Facility	No Water & No Sanitation	No Water with Sanitation	Water with No Sanitation	+50% Referbish	
											Water	Sanitation
Eastern Cape	952	191	49	1,072	3,184	41	562	359	758	203	988	1,132
Free State	718	136	64	105	664	6	83	43	207	40	49	80
Gauteng	1,849	90	21	9	77	8	4	0	0	4	51	25
KwaZulu Natal	1,272	351	130	1,784	2,787	51	160	58	551	102	831	1,178
Limpopo	324	486	864	1,121	2,843	5	47	12	307	35	471	667
Mpumalanga	482	418	25	396	726	2	34	13	85	21	157	136
North West	568	390	33	193	797	8	51	9	36	42	120	174
Northern Cape	306	127	28	83	138	7	7	1	5	6	24	17
Western Cape	1,376	229	2	4	15	22	22	0	0	22	22	13
Total	7,847	2,418	1,216	4,767	11,231	150	970	495	1,949	475	2,713	3,422
	Site can have combination of different types of ablution											





# Department of Education

## Ablution Summary - Number of Education Sites

Date 02/11/2009

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Sites : Open

Site Type Special Needs Education (SNE)

Province	Municipal Flush	Septic Flush	Enviro Loo	VIP	Pitlatrine	Buckets/ Chemical	No Facility	No Water & No Sanitation	No Water with Sanitation	Water with No Sanitation	+50% Referbish	
											Water	Sanitation
Eastern Cape	35	2	0	1	3	0	1	0	0	1	3	1
Free State	18	0	0	0	0	0	0	0	0	0	1	0
Gauteng	88	2	1	0	3	0	2	0	0	2	2	1
KwaZulu Natal	51	9	0	0	4	0	0	0	0	0	1	0
Limpopo	9	7	0	0	7	0	0	0	1	0	1	0
Mpumalanga	11	2	0	0	3	0	0	0	0	0	2	0
North West	24	7	0	0	4	0	0	0	0	0	3	0
Northern Cape	10	0	0	0	0	0	0	0	0	0	0	0
Western Cape	65	10	0	0	0	1	1	0	0	1	0	0
<b>Total</b>	<b>311</b>	<b>39</b>	<b>1</b>	<b>1</b>	<b>24</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>13</b>	<b>2</b>

Site can have combination of different types of ablution

# Department of Education

## Fencing & Security - Ordinary Schools



# Department of Education

## Libraries Summary Grid for Ordinary Schools

Date 02/11/2009

Table 7

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Sites : Open

Province	Number of Schools	With Library	% With Library	Library Stocked	% Stocked	Without Library	% Without Library
Eastern Cape	5,715	550	10	168	3	5,165	90
Free State	1,643	422	26	151	9	1,221	74
Gauteng	1,994	1,174	59	377	19	820	41
KwaZulu Natal	5,835	1,199	21	364	6	4,636	79
Limpopo	3,918	289	7	95	2	3,629	93
Mpumalanga	1,540	293	19	113	7	1,247	81
North West	1,740	338	19	114	7	1,402	81
Northern Cape	609	180	30	72	12	429	70
Western Cape	1,466	776	53	383	26	690	47
<b>Total</b>	<b>24,460</b>	<b>5,221</b>	<b>21</b>	<b>1,837</b>	<b>8</b>	<b>19,239</b>	<b>79</b>



# Department of Education

## Laboratories Summary Grid for Ordinary Schools

Date 02/11/2009

Table 8

Page 1 of 1

Sites : Open

Province	Number of Schools	With Laboratory	% With Laboratory	Laboratory Stocked	% Stocked	Without Laboratory	% Without Laboratory
Eastern Cape	5,715	493	9	110	2	5,222	91
Free State	1,643	337	21	103	6	1,306	79
Gauteng	1,994	800	40	282	14	1,194	60
KwaZulu Natal	5,835	703	12	218	4	5,132	88
Limpopo	3,918	234	6	59	2	3,684	94
Mpumalanga	1,540	201	13	44	3	1,339	87
North West	1,740	281	16	76	4	1,459	84
Northern Cape	609	181	30	68	11	428	70
Western Cape	1,466	513	35	259	18	953	65
<b>Total</b>	<b>24,460</b>	<b>3,743</b>	<b>15</b>	<b>1,219</b>	<b>5</b>	<b>20,717</b>	<b>85</b>





# Department of Education

## Computer Centres Summary Grid for Ordinary Schools

Date 02/11/2009

Table 9

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Sites : Open

Province	Number of Schools	With Computer Centre	% With Computer Centre	Computer Centre Stocked	% Stocked	Without Computer Centre	% Without Computer Centre
Eastern Cape	5,715	596	10	211	10	5119	90
Free State	1,643	353	21	109	21	1290	79
Gauteng	1,994	1510	76	828	76	484	24
KwaZulu Natal	5,835	982	17	305	17	4853	83
Limpopo	3,918	428	11	165	11	3490	89
Mpumalanga	1,540	254	16	81	16	1286	84
North West	1,740	391	22	172	22	1349	78
Northern Cape	609	314	52	85	52	295	48
Western Cape	1,466	886	60	493	60	580	40
<b>Total</b>	<b>24,460</b>	<b>5,714</b>	<b>23</b>	<b>2,449</b>	<b>10</b>	<b>18,746</b>	<b>77</b>



**Sites : Open**

*One site could have more than one Sports Facilities*

Province	No of Sites	Communication System Available						No Communication system	
		CellPhone	Telephone	Fax	2WayRadio	Internet	CallBox	Total	%
Eastern Cape	5,715	5,430	1,234	799	13	218	630	96	2%
Free State	1,643	1,541	918	842	25	240	509	35	2%
Gauteng	1,994	1,545	1,794	1,724	139	759	1,335	25	1%
KwaZulu Natal	5,835	5,420	2,599	1,751	36	319	869	150	3%
Limpopo	3,918	3,846	994	523	3	77	185	46	1%
Mpumalanga	1,540	1,455	821	599	3	25	93	19	1%
North West	1,740	1,666	783	543	2	76	225	26	1%
Northern Cape	609	554	452	420	14	185	219	4	1%
Western Cape	1,466	1,022	1,421	1,350	67	1,262	764	8	1%
<b>Total</b>	<b>24,460</b>	<b>22,479</b>	<b>11,016</b>	<b>8,551</b>	<b>302</b>	<b>3,161</b>	<b>4,829</b>	<b>409</b>	<b>2%</b>
		One site could have more than one type of communication system							

**Site Type : Special Needs Education (SNE)**