

**NEIMS (NATIONAL  
EDUCATION  
INFRASTRUCTURE  
MANAGEMENT SYSTEM)  
REPORTS MAY 2011**

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# 1. BACKGROUND

## 1.1. Introduction

National Education Infrastructure Management System (NEIMS) is a database of public schools derived from the first survey (School Register of Needs -SRN) conducted in 1996 and updated in 2000. Its Initial birth was in 2005 and completed in 2007. The project was funded by the Netherlands. Further enhancement was done by SITA to make the system to be more effective and user friendly.

Physical Planners in the provinces have been trained to conduct the assessments for the Department of Basic Education to update the system with current immovable infrastructure status of the public schools.

Province such as North West runs a team of inspectors to assess their provincial schools while other provincial departments such as KwaZulu-Natal, Limpopo and Western Cape are using service providers to assess schools and provide the Department of Basic Education with copies of the assessment forms for updating the System.

Provincial departments report quarterly on progress made on their completed projects using the standard assessment forms for processing by the Department of Basic Education. The provincial departments are also required to report quarterly on schools closed and merged.

This report is based on the **infrastructure provided to each site** from 2009 to March 2011 especially for KZN province as their assessment forms have been received and captured. Other Provinces we only updated schools that are merged and closed.

## 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. It also entails the total space a school is required to adequately accommodate all its facilities.

**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.
- More than one school on the same site sharing facilities during normal school hours, which implies that sufficient facilities are available to accommodate more than one school on the same site.

### ***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**



**1.3.4.2. Steel palisade fence on site**



**1.3.4.3. 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 Basic Education

## Sites Type Grid Summary

Date 20/05/2011

Table 1

Page 1 of 1

Sites : Open

Province	Ordinary Schools	Special Needs Education (SNE)
Eastern Cape	5,676	41
Free State	1,615	18
Gauteng	2,031	97
KwaZulu Natal	5,931	63
Limpopo	3,923	18
Mpumalanga	1,868	15
North West	1,674	31
Northern Cape	611	10
Western Cape	1,464	66
<b>National Total</b>	<b>24,793</b>	<b>359</b>



# Department of Basic Education

## Electricity Source Facility Grid

SiteType : Ordinary School

Date 20/05/2011

Table 3

Page 1 of 1

Sites : Open

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	5,676	4,524	1,152	116	1,139	32	3,419
Free State	1,615	1,375	240	34	33	0	1,346
Gauteng	2,031	2,018	13	104	0	1	2,017
KwaZulu Natal	5,931	4,351	1,580	410	372	51	3,957
Limpopo	3,923	3,697	226	68	301	27	3,479
Mpumalanga	1,868	1,648	220	21	1	1	1,647
North West	1,674	1,585	89	11	4	1	1,580
Northern Cape	611	589	22	29	14	3	577
Western Cape	1,464	1,462	2	11	2	3	1,458
<b>Total</b>	<b>24,793</b>	<b>21,249</b>	<b>3,544</b>	<b>804</b>	<b>1,866</b>	<b>119</b>	<b>19,480</b>

*One site could have more than one type of electricity source*



# Department of Basic Education

## Water Source Facility Grid

SiteType : Ordinary School

Date 20/05/2011

Table 4

Page 1 of 1

Sites : Open

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	5676	4580	1096	322	2561	574	43	1676
Free State	1615	1378	237	54	498	132	55	742
Gauteng	2031	2029	2	68	206	485	17	1463
KwaZulu Natal	5931	5302	629	1182	2512	398	431	2327
Limpopo	3923	3663	260	634	1861	1259	313	1010
Mpumalanga	1868	1740	128	206	565	489	179	628
North West	1674	1630	44	76	647	335	67	770
Northern Cape	611	605	6	60	219	144	7	286
Western Cape	1464	1464	0	9	173	397	86	886
<b>Total</b>	<b>24,793</b>	<b>22,391</b>	<b>2,402</b>	<b>2,611</b>	<b>9,242</b>	<b>4,213</b>	<b>1198</b>	<b>9,788</b>

*One site could have more than one type of water source*



# Department of Basic Education

## Ablution Summary - Number of Education Sites

Site Type Ordinary School

Date 20/05/2011

Table 5

Page 1 of 1

Sites : Open

Province	No of Sites	Municipal Flush	Septic Flush	Enviro Loo	VIP	Pitlatrine	Chemical	No Facility
Eastern Cape	5,676	951	189	49	1,071	3,160	40	551
Free State	1,615	718	135	63	102	643	6	80
Gauteng	2,031	1,879	96	22	10	75	8	6
KwaZulu Natal	5,930	1,294	369	147	1,857	2,834	57	160
Limpopo	3,924	322	493	870	1,122	2,857	5	36
Mpumalanga	1,868	505	472	82	550	942	2	35
North West	1,674	539	380	31	188	782	8	37
Northern Cape	611	307	129	28	84	142	7	3
Western Cape	1,464	1,391	229	2	4	15	22	5
<b>Total</b>	<b>24,793</b>	<b>7,906</b>	<b>2,492</b>	<b>1,294</b>	<b>4,988</b>	<b>11,450</b>	<b>155</b>	<b>913</b>

*Site can have combination of different types of ablution*



# Department of Basic Education

## Fencing & Security

Site Type Ordinary School

Date 20/05/2011

Table 6

Page 1 of 1

Sites : Open

Province	Total Sites	Fencing				Total	No Fencing		Security		
		Wire	Palisade (S)	Palisade (C)	Brick		Total	%	Electric Fence	Gates	Access Ctrl
Eastern Cape	5,676	4,458	77	19	86	4,640	1,153	20	4	4,336	38
Free State	1,615	1,432	117	18	61	1,628	126	8	2	1,409	29
Gauteng	2,031	1,403	451	347	286	2,487	63	3	39	1,919	848
KwaZulu Natal	5,931	5,171	132	274	125	5,702	473	8	11	5,472	650
Limpopo	3,923	3,576	72	24	77	3,749	302	8	3	3,580	49
Mpumalanga	1,868	1,468	40	10	13	1,531	370	20	1	1,670	10
North West	1,674	1,527	51	13	57	1,648	113	7	4	1,606	12
Northern Cape	611	576	26	4	43	649	23	4	2	571	9
Western Cape	1,464	1,311	90	21	66	1,488	107	7	17	1,337	220
<b>Total</b>	<b>24,793</b>	<b>20,922</b>	<b>1,056</b>	<b>730</b>	<b>814</b>	<b>23,522</b>	<b>2,730</b>	<b>11</b>	<b>83</b>	<b>21,900</b>	<b>1,865</b>

(One site could have more than one type of fencing)



# Department of Basic Education

## Libraries Summary Grid

Site Type Ordinary School

Date 20/05/2011

Table 7

Page 1 of 1

Sites : Open

Province	Number of Schools	With Library	% With Library	Library Stocked	% Stocked	Without Library	% Without Library
Eastern Cape	5,676	549	10	168	3	5,127	90
Free State	1,615	422	26	151	9	1,193	74
Gauteng	2,031	1,191	59	385	19	840	41
KwaZulu Natal	5,931	1,199	20	363	6	4,732	80
Limpopo	3,923	293	7	95	2	3,630	93
Mpumalanga	1,868	323	17	133	7	1,545	83
North West	1,674	321	19	106	6	1,353	81
Northern Cape	611	179	29	72	12	432	71
Western Cape	1,464	775	53	382	26	689	47
<b>Total</b>	<b>24,793</b>	<b>5,252</b>	<b>21</b>	<b>1,855</b>	<b>7</b>	<b>19,541</b>	<b>79</b>



# Department of Basic Education

## Laboratories Summary Grid

Site Type Ordinary School

Date 20/05/2011

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	5,676	493	9	110	2	5,183	91
Free State	1,615	337	21	103	6	1,278	79
Gauteng	2,031	813	40	287	14	1,218	60
KwaZulu Natal	5,931	719	12	221	4	5,212	88
Limpopo	3,923	235	6	59	2	3,688	94
Mpumalanga	1,868	213	11	53	3	1,655	89
North West	1,674	269	16	72	4	1,405	84
Northern Cape	611	180	29	67	11	431	71
Western Cape	1,464	513	35	259	18	951	65
<b>Total</b>	<b>24,793</b>	<b>3,772</b>	<b>15</b>	<b>1,231</b>	<b>5</b>	<b>21,021</b>	<b>85</b>



# Department of Basic Education

## Computer Centres Summary Grid

Site Type Ordinary School

Date 20/05/2011

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	5,676	596	11	211	4	5080	89
Free State	1,615	353	22	109	7	1262	78
Gauteng	2,031	1529	75	837	41	502	25
KwaZulu Natal	5,931	992	17	320	5	4939	83
Limpopo	3,923	426	11	167	4	3497	89
Mpumalanga	1,868	290	16	104	6	1578	84
North West	1,674	371	22	162	10	1303	78
Northern Cape	611	313	51	86	14	298	49
Western Cape	1,464	886	61	493	34	578	39
<b>Total</b>	<b>24,793</b>	<b>5,756</b>	<b>23</b>	<b>2,489</b>	<b>10</b>	<b>19,037</b>	<b>77</b>



# Department of Basic Education

## Sports Facility Grid

Site Type Ordinary school

Date 30/05/2011

Table 10

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Sites : Open

Province	No of Sites	Sports Facilities Available							No Sports Facilities	
		Soccer/ Rugby	Netball	Hockey	Tennis	Athletics	Cricket	Swimming Pool	Total	%
Eastern Cape	5,676	2,061	2,564	81	197	162	188	53	401	7%
Free State	1,615	615	802	40	163	66	100	13	630	39%
Gauteng	2,031	1,129	1,380	212	448	304	393	158	296	15%
KwaZulu Natal	5,931	1,893	2,657	118	178	80	184	171	1,923	32%
Limpopo	3,923	1,709	2,605	33	66	55	49	43	526	13%
Mpumalanga	1,868	894	1,146	38	75	52	43	14	119	6%
North West	1,674	822	999	27	87	40	49	23	132	8%
Northern Cape	611	281	374	15	107	31	63	11	118	19%
Western Cape	1,464	800	909	104	244	70	154	15	167	11%
<b>Total</b>	<b>24,793</b>	<b>10,204</b>	<b>13,436</b>	<b>668</b>	<b>1,565</b>	<b>860</b>	<b>1,223</b>	<b>501</b>	<b>4,312</b>	<b>17%</b>

*One site could have more than one Sports Facilities*



# Department of Basic Education

## Communication System Facility Grid

Site Type : Ordinary School

Date 20/05/2011

Table 11

Page 1 of 1

Sites : Open

Province	No of Sites	Communication System Available						No Communication system	
		CellPhone	Telephone	Fax	2WayRadio	Internet	CallBox	Total	%
Eastern Cape	5,676	5,393	1,228	798	13	218	628	96	2%
Free State	1,615	1,514	916	840	25	240	509	34	2%
Gauteng	2,031	1,566	1,824	1,755	139	768	1,349	26	1%
KwaZulu Natal	5,931	5,509	2,611	1,757	36	320	868	152	3%
Limpopo	3,923	3,856	1,020	541	3	80	190	41	1%
Mpumalanga	1,868	1,778	959	653	3	28	121	22	1%
North West	1,674	1,614	744	507	2	67	209	26	2%
Northern Cape	611	556	452	421	14	185	219	4	1%
Western Cape	1,464	1,022	1,419	1,349	67	1,261	763	8	1%
<b>Total</b>	<b>24,793</b>	<b>22,808</b>	<b>11,173</b>	<b>8,621</b>	<b>302</b>	<b>3,167</b>	<b>4,856</b>	<b>409</b>	<b>2%</b>

*One site could have more than one type of communication system*