

NORMS & STANDARDS PROGRESS REPORT

NOVEMBER 2017



PREPARED BY: PHYSICAL RESOURCES MANAGEMENT

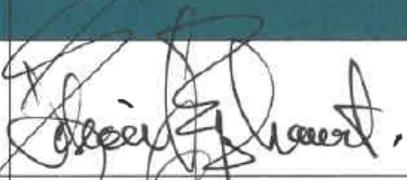
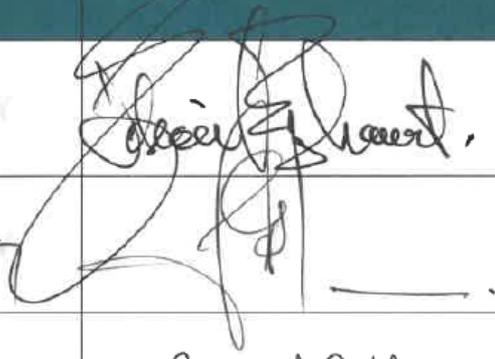


Northern Cape
Department of Education
Infrastructure

OFFICIAL SIGN-OFF OF THE NORMS AND STANDARDS PROGRESS REPORT (NOVEMBER 2017)

This Progress Report on the Implementation of the Norms and Standards does meet the requirements as stated in the Regulations regarding the Minimum Norms & Standards (Nov 2013) as follows:

- 4) A Member of the Executive Council must, within a period of 6 months after the publication of the regulations and thereafter annually on a date and in a manner determined by the Minister, provide the Minister with detailed plans on the manner in which the norms and Standards are to be implemented as far as schools referred to in subregulation (1) (b) are concerned.
- 5) In addition to the requirements contained in section 58C of the Act, a Member of the Executive Council must, in the manner determined by the Minister, report annually to the Minister on the Implementation of the plans required in subregulation (4).

DATE	SIGNATURE	NAME & DESIGNATION
01/11/2017		MR. G.B. OLIPHANT CHIEF DIRECTOR: INFRASTRUCTURE, ICT & EMIS
13/12/2017		MR. G.T PHARASI SUPERINTENDENT-GENERAL
14/12/2017		MS. M. BARTLETT MEMBER OF THE EXECUTIVE COUNCIL FOR NORTHERN CAPE DEPARTMENT OF EDUCATION

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3 YEAR IMPLEMENTATION PLAN

The Northern Cape Department of Education has achieved all targets relating to the provision of basic services (water, sanitation and power supply) both in terms of actual access to services, but also in terms of operational capacity of the sector to provide these services. The targets as articulated in the Regulations Relating to Minimum Uniform Norms and Standards for Public School Infrastructure, is to attain universal access to basic services provision by the 2016/17 financial year.

According to Section 4 (3) (a) (b) of the Norms and Standards, “All schools built entirely from materials such as asbestos, metal and wood, as well as all those schools that do not have access to any form of power supply, water supply or sanitation must be prioritised and complied with, within a period of three years from the date of publication of the Regulations”. The following table indicates the baseline as in 2014/15 financial year, projects that completed and the remaining balance to be addressed:

Table 1: Norms and Standards 3 Year Implementation Plan - Summary

NORMS AND STANDARDS	BASELINE AS AT 2014/15	MERGED/ CLOSED	POTENTIAL MERGER	BALANCE	CONFIRMED BY CONDITION ASSESSMENT (2015)	PROJECTS COMPLETED 2014/15	PROJECTS COMPLETED 2015/16	PROJECTS COMPLETED 2016/17	2017/18 ACTIVE	BALANCE
No Water Supply	0	0	0	0	Yes	0	0	0	0	0
No Sanitation	2	0	0	2	Yes	2	0	0	0	0
Pit latrines only	2	2	0	0	Yes	0	0	0	0	0
No Electricity Supply	3	0	0	3	Yes	3	0	0	0	0
Inappropriate Material (Full) ASIDI	31	0	0	0	Yes	1	1	2	3	24

1.1. SANITATION

According to the Norms and Standards for the three-year target, all schools which do not have some form of sanitation facilities must be prioritised. To date the department has attended to the 3 year time frame plan for basic services and target dates have been set for the upgrading of reliability of sanitation facilities (7 Year Implementation Plan).

1.1.1. ASIDI PROGRAMME PERFORMANCE - SANITATION

The Department implemented 13 sanitation projects through the ASIDI programme, of which all have reached close out status. Two (2) projects (Dutton– and Longhurst Primary School) were cancelled as per

an application for the removal of these schools from the ASIDI list submitted to DBE. The following table indicates these projects:

Table 2: NCDOE ASIDI: Sanitation - Project Progress

SCHOOL NAME	PROGRAMME	PROJECT NUMBER	CONTRACTOR	PROJECT STATUS	TOTAL ALLOCATED BUDGET
CARDINGTON PRIMARY SCHOOL	SANITATION	DRPW 0133/2013	SEGOMOTSI GENERAL TRADING	Closed Out	R 1 418 943.18
DITSHIPENG INTERMEDIATE SCHOOL	SANITATION	DOE103NC1007	NKGABISE CONSTRUCTION AND TRADE	Closed Out	R 3 086 345.48
DUTTON PRIMARY SCHOOL (On Hold)	SANITATION	IRM-NC-9-70904		Cancelled	R -
GAAESI PRIMARY SCHOOL (Terminated)	SANITATION	DOE103NC1008	ODISITSE CONSTRUCTION JV	Contract Terminated	R 1 484 913.77
GAAESI PRIMARY SCHOOL Replacement Contractor	SANITATION	DOE103NC1008	AJ PLUMBING CONSTRUCTION	Closed Out	R 430 672.59
GARAPOWANA PRIMARY SCHOOL	SANITATION	DRPW 0132/2013	BESO INALA CONSTRUCTION	Contract Terminated	R 1 243 313.30
GARAPOWANA PRIMARY SCHOOL - Replacement Contractor	SANITATION	DRPQ 032/2015	PLACE OF INNOVATION CONSTRUCTION	Closed Out	R 428 042.70
GATLHOSE PRIMARY SCHOOL	SANITATION	DRPW 022/2015	BANTSI CONSTRUCTION	Closed Out	R 1 692 569.40
GASEBONWE JANTJIE INTERMEDIATE SCHOOL	SANITATION	OR-018195	BOIKGATHOLLO THREE TRADING AND PROJECTS	Closed Out	R 465 435.00
GLEN RED PRIMARY SCHOOL	SANITATION	DOE103NC1013	KGWETLHANO JV	Contract Terminated	R 1 372 314.50
GLEN RED PRIMARY SCHOOL - Replacement Contractor	SANITATION	DOE103NC1013	REFBEE CONSULTING	Closed Out	R 219 273.30
KEGOMODITSWE SECONDARY SCHOOL	SANITATION	DOE103NC1006	CORDIAL BUILDING AND CONSTRUCTION	Closed Out	R 2 188 109.71
LUTZBURG (SSKV) INTERMEDIËRE SKOOL	SANITATION	DRPW 029/2013	BANZI TRADE PTY LTD	Closed Out	R 1 744 475.00
MAKOLOKEMENG PRIMARY SCHOOL	SANITATION	DRPW 026/2013	ALF AND PHIL BUILDING CONSTRUCTION	Closed Out	R 1 383 970.84
TADCASTER INTERMEDIATE SCHOOL	SANITATION	DOE 103 NC 1004	MAJOB TRADING AND PROJECTS	Closed Out	R 1 059 759.67

SCHOOL NAME	PROGRAMME	PROJECT NUMBER	CONTRACTOR	PROJECT STATUS	TOTAL ALLOCATED BUDGET
TOPLINE INTERMEDIATE SCHOOL	SANITATION	DRPW 028/2013	SFC SLABBERT	Closed Out	R 1 254 766.00
LONGHURST PRIMARY SCHOOL (On Hold)	SANITATION	IRM-NC-4-30195		Cancelled	R -
VUKASIZWE PRIMARY SCHOOL -Contract Terminated	SANITATION	DRPW 027/2013	IKETSETSE SERVICES T/A RAWOO 121 CC	Contract Terminated	R 746 321.24
VUKASIZWE PRIMARY SCHOOL -Replacement Contractor	SANITATION	DRPQ 050/2015	MTVR'S GENERAL SERVICES	Closed Out	R 124 655.00
TOTAL					R 20 343 880.68

1.2. WATER

According to the Norms and Standards for the three-year target, all schools must have access to some form of water supply. To date the department has attended to the 3 year time frame plan for water provisioning and target dates have been set for the upgrading of reliability of water (7 Year Implementation Plan).

1.2.1. ASIDI PROGRAMME PERFORMANCE - WATER

The Department implemented 5 water projects through the ASIDI programme, of which all have reached close out status. The following table indicates these projects:

Table 3: NCDOE ASIDI: Water - Project Progress

SCHOOL NAME	PROGRAMME	PROJECT NUMBER	CONTRACTOR	PROJECT STATUS	TOTAL ALLOCATED BUDGET
EDIGANG PRIMARY SCHOOL	WATER	OR-019974	CONBITS	Closed Out	R 121 570.00
GAMASEGO PRIMARY SCHOOL	WATER	OR-018608	AGRIE COUTURE	Closed Out	R 378 829.40
GATA-LWA-TLOU INTERMEDIATE SCHOOL	WATER	OR-020616	PLACE OF INNOVATION CONSTRUCTION	Closed Out	R 286 099.00
MATHANTHANYANENG PRIMARY SCHOOL	WATER	AG-337911	COUNTRY WIDE DRILLING	Closed Out	R 382 300.64

SCHOOL NAME	PROGRAMME	PROJECT NUMBER	CONTRACTOR	PROJECT STATUS	TOTAL ALLOCATED BUDGET
MOGOMOTSI HIGH SCHOOL	WATER	OR-018197	WOMEN ON EDGE CIVIL CONTRACTORS	Closed Out	R 434 792.51
TOTAL					R 20 343 880.68

1.3. ELECTRICITY

According to the Norms and Standards for the three-year target, all schools must have access to some form of power supply. To date the department has attended to the 3 year time frame plan for electricity provisioning and target dates have been set for the upgrading of reliability of electricity (7 Year Implementation Plan).

Table 4: Baseline and Achievement of Electricity Supply

PROVINCE	TOTAL NUMBER OF SCHOOLS WITHOUT ELECTRICITY OCTOBER 2014	TOTAL NUMBER OF SCHOOLS WITHOUT ELECTRICITY MAY 2015	TOTAL NUMBER OF SCHOOLS WITHOUT ELECTRICITY NOVEMBER 2016	TOTAL ACHIEVED SEPTEMBER 2016	% ACHIEVED
Northern Cape	3	3	0	3	100%

1.4. INAPPROPRIATE STRUCTURES

The 3 year time frame according to the Norms and Standards include all full inappropriate structures (asbestos, wood, metal) and schools with no access to water, sanitation and electricity. To date the department has attended to the 3 year time frame plan for basic services but however the inappropriate structures are a problem on a higher level due to the cost implications.

The Northern Cape currently have 27 schools classified as fully Inappropriate Structures and an additional 10 schools classified as partial Inappropriate Structures where schools will also have to be replaced. An estimated budget of R2.6 billion will be needed to complete these 37 schools, the Department however attempt to prioritise two replacements of inappropriate structures each financial year. This does not include the schools located within the asbestos belt which need to be relocated.

Table 5: 3 Year Plan

DISTRICT MUNICIPALITY	NUMBER OF SCHOOLS	TOTAL PROJECT COST
FRANCES BAARD	4	R 308 460 763.02
JOHN TAOLO GAETSEWE	2	R 127 509 848.18
NAMAKWA	1	R 14 720 481.35
PIXLEY KA SEME	16	R 1 175 304 497.42

DISTRICT MUNICIPALITY	NUMBER OF SCHOOLS	TOTAL PROJECT COST
ZF MGCAWU	14	R 1 011 852 076.62
Grand Total	37	R 2 637 847 666.59

1.4.1. ASIDI PROGRAMME PERFORMANCE – INAPPROPRIATE STRUCTURES

The following school was implemented and completed by DBSA through the ASIDI programme as a full replacement school.

Table 6: NCDOE ASIDI: Inappropriate Structures

PROJECT NAME	PROJECT STATUS	DISTRICT MUNICIPALITY	PROGRAMME DESCRIPTION (TYPE, SIZE, QUANTITY)	TARGET COMPLETION (YY/MM/DD)	TOTAL PROJECT COST
ASIDI REPLACEMENT SCHOOL – STERNHAM INTERMEDIATE SCHOOL	FINAL COMPLETION	ZF MGCAWU	PLANNING AND CONSTRUCTION ON A FULL SERVICE SCHOOL	2014-09-29	R 29 774 839.00

1.4.2. PROGRESS ON IMPLEMENTATION OF INAPPROPRIATE STRUCTURES

There is currently three (3) Inappropriate Structures replacements in construction, the following table indicates the Replacement Schools that is currently active in various stages which indicates that the Department is actively attempting to eradicate these structures:

Table 7: Replacement Schools Currently Active

PROJECT NAME	DISTRICT MUNICIPALITY	PROJECT STATUS	PROGRAMME DESCRIPTION (TYPE, SIZE, QUANTITY)	CONSTRUCTION BUDGET AS PER APPOINTMENT	PROFESSION FEES BUDGET AS PER APPOINTMENT
REPLACEMENT SCHOOL - EMMANUEL HIGH SCHOOL	FRANCES BAARD	FINAL COMPLETION	PLANNING AND CONSTRUCTION ON A FULL SERVICE SCHOOL	R 37 211 940.40	R 10 474 833.85
REPLACEMENT SCHOOL - EUREKA INTERMEDIËRE SKOOL	PIXLEY KA SEME	PROJECT INITIATION	PLANNING AND CONSTRUCTION ON A FULL SERVICE SCHOOL - REPLACEMENT	R 48 951 865.23	
REPLACEMENT SCHOOL - GROENPUNT PRIMËRE SKOOL	FRANCES BAARD	CONSTRUCTION 26%-50%	PLANNING AND CONSTRUCTION ON A FULL SERVICE SCHOOL - REPLACEMENT	R 78 470 647.56	R 17 175 936.60
REPLACEMENT SCHOOL - HOMEVALE PRIMARY SCHOOL	FRANCES BAARD	PROJECT INITIATION	PLANNING AND CONSTRUCTION ON A FULL SERVICE SCHOOL - REPLACEMENT	R 58 255 812.55	R 10 486 046.26
REPLACEMENT SCHOOL - KAROS	ZF MGCAWU	CONSTRUCTION 51%-75%	PLANNING AND CONSTRUCTION ON A FULL SERVICE SCHOOL	R 45 614 187.81	R 13 643 764.03
REPLACEMENT SCHOOL - KHIBA MIDDLE SCHOOL	JOHN TAOLO GAETSEWE	CONSTRUCTION 1%-25%	PLANNING AND CONSTRUCTION ON A FULL SERVICE SCHOOL - REPLACEMENT	R 58 501 875.00	R 14 917 978.26

PROJECT NAME	DISTRICT MUNICIPALITY	PROJECT STATUS	PROGRAMME DESCRIPTION (TYPE, SIZE, QUANTITY)	CONSTRUCTION BUDGET AS PER APPOINTMENT	PROFESSION FEES BUDGET AS PER APPOINTMENT
REPLACEMENT SCHOOL - PETRUSVILLE PRIMÈRE SKOOL	PIXLEY KA SEME	PROJECT INITIATION	PLANNING AND CONSTRUCTION ON A FULL SERVICE SCHOOL - REPLACEMENT	R 54 977 885.23	
REPLACEMENT SCHOOL - PHILLIPPSVALE PRIMARY SCHOOL	PIXLEY KA SEME	PRACTICAL COMPLETION (100%)	PLANNING AND CONSTRUCTION ON A FULL SERVICE SCHOOL - REPLACEMENT	R 43 673 901.00	R 10 171 062.68
REPLACEMENT SCHOOL - WARRENSVALE COMBINED SCHOOL	FRANCES BAARD	PROJECT INITIATION	REPLACEMENT OF FULL SERVICE SCHOOL	R 59 218 282.28	
REPLACEMENT SCHOOL AND HOSTEL - KITLANYANG PRIMARY SCHOOL	JOHN TAOLO GAETSEWE	PRACTICAL COMPLETION (100%)	PLANNING AND CONSTRUCTION ON A FULL SERVICE SCHOOL AND HOSTEL - REPLACEMENT	R 40 996 761.03	R 11 224 640.69
REPLACEMENT SCHOOL - HOERSKOOL CARLTON VAN HEERDEN	ZF MGCAWU	PROJECT INITIATION	REPLACEMENT SCHOOL	R 58 255 812.55	R 10 486 046.26
ROSENDAL INTERMEDIATE SCHOOL	ZF MGCAWU	PROJECT INITIATION	PLANNING AND CONSTRUCTION ON A FULL SERVICE SCHOOL - REPLACEMENT	R 38 863 721.23	R 6 995 469.82

1.5. EXISTING INAPPROPRIATE STRUCTURES

The Northern Cape has a significant number of schools which were constructed out of asbestos. These schools were constructed as a temporary solution by mining houses that set up operations in the province. Although well maintained by the communities, the structures are considered to be a health hazard to the end user. Communities further see these structures as reminders of a past that should not be repeated.

The Northern Cape Department of Education has been served with three contravention Notices and one prohibition notice by the Department of Labour (DOL), which resulted in the closure of one school during the critical year end examination time and possible closure of the three other schools at year's end, due to asbestos contamination on the school sites as determined by DOL Inspectors.

These events prompted the Department of Education to convene an urgent intervention task team (Northern Cape Provincial Government Team) involving all departments in order to immediately address the issues at the schools, but also to holistically determine a strategy that will address asbestos contamination as a province wide issue and not as an issue relevant to solely the Department of Education. Schools, Clinics, Human Settlements Libraries, illegal mines, etc are located in these asbestos contaminated areas and thus a vigorous and sustainable effort is required by all affected stakeholders to address the issues related to asbestos contamination.

The Northern Cape Provincial Government (NCPG) has a legal obligation and responsibility to protect the health and safety of its citizens from the exposure to asbestos.

Although the issues identified by DOL involved schools in the John Taolo Gaetsewe District, it has been identified that all districts in the Province are affected , with the two other key districts being Pixley Ka Seme and ZF Mgcawu.

The Northern Cape Department of Education has through its allocated Education Infrastructure Grant as well as through the Department of Basic Education’s Accelerated Schools Infrastructure Development Initiative began to address the replacement of Asbestos Containing Material School infrastructure in the recent years; with the replacement of schools such as Emmanuel High School in Frances Baard and Sternham Primary School in ZF Mgcawu. The large number of such schools and the works required to address the issues at such schools require funding that is beyond the current allocated budgets and anticipated future budget allocations.

In order to revisit the asbestos contamination issue and to chart a way forward, the proposed Asbestos Management Action Plan (AMP) (See Annexure N: Asbestos Management Plan) is geared towards identifying the objectives, scope, management, practices and procedures required to ensure that NCPG remediate all affected sites effectively.

It provides an outline of responsibilities and management procedures for dealing with asbestos products and materials. The AMP and its associated plans, instructions, registers, forms and procedures integrate and operate under the NCPG.

In order to determine a holistic and all inclusive approach and implementation strategy inclusive of the relevant and affected stakeholders, the following structure is recommended.

Table 8: AMP Roles and Responsibilities

ROLE	RECOMMENDED PARTY
Initiator	Northern cape Department of Education
Champion – Committee(s) Chair	Office of the Premier
Custodian	Department of Environmental and Nature Conservation Provincial Treasury
Advisor	State Legislative Board
Stakeholders	All Other Provincial Departments, Municipalities, District Offices and Affected Communities

The AMP is a working document designed to effectively manage and minimise asbestos-related health risks. The department therefore finds itself in a situation where a significant amount of pressure is expected from its current infrastructure budget to address these inappropriate structures.

The performance standard of these schools is rated as a P1. Most of these schools have appropriate space for learning, however the condition of the asset, prejudiced by the asbestos containing building material and age of the infrastructure deem these schools to be non-viable and of minimal performance.

An application has been submitted to the DBE in 23 July 2013 to request that the 32 full schools identified as being made of asbestos material to be replaced as part of the programme. On 30 June 2015 a follow-up request was made in order to request a response on the application submitted. Up to date there was no response received and given the capacity challenges and budgetary constraints in the province, the

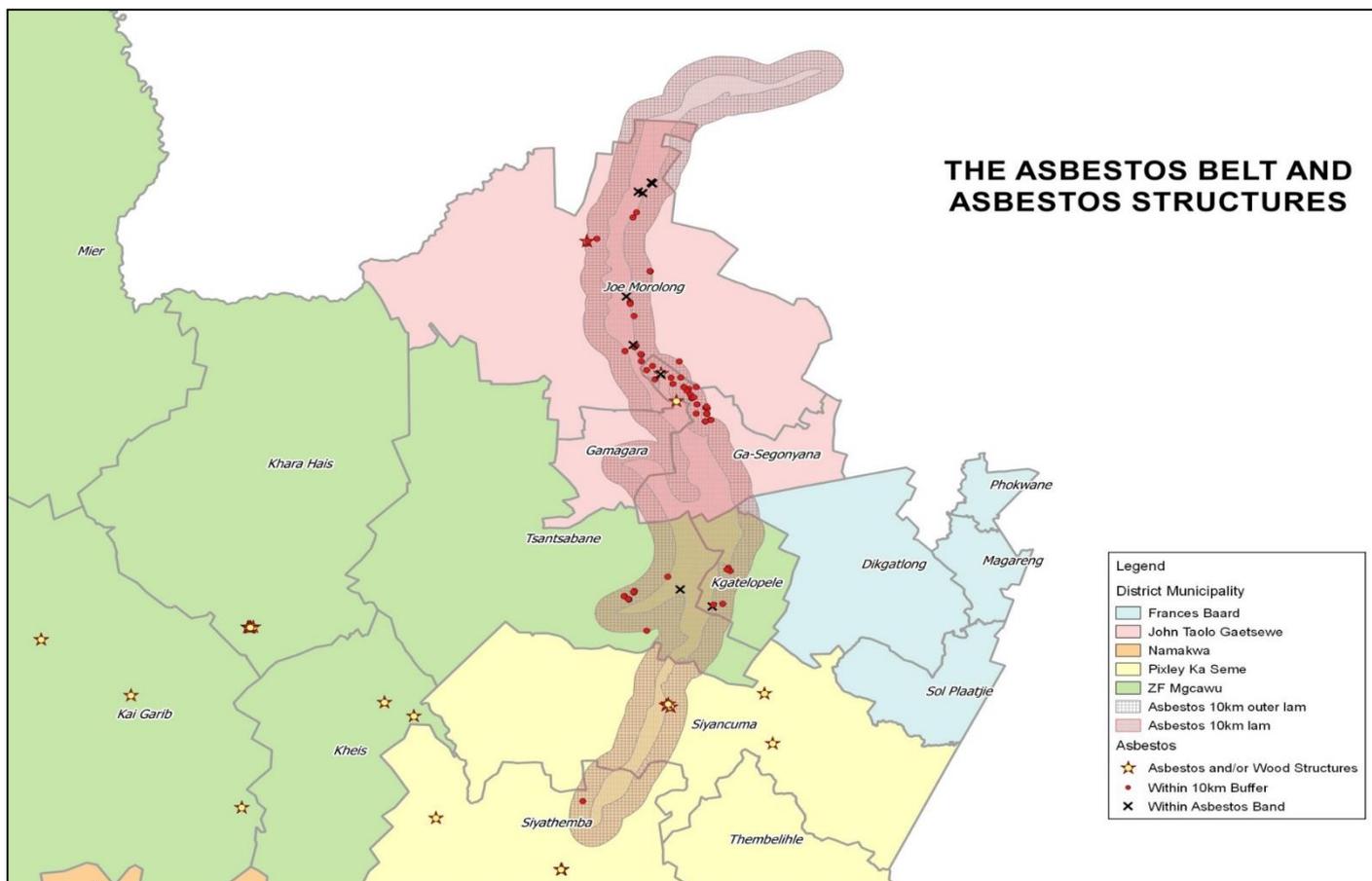
department views the task as best being addressed through a collective effort by the National department as well as provincial stakeholders. The following table identifies the schools that need to be fully replaced:

Table 9: Inappropriate Structures - Full Schools

EMIS NUMBER	OFFICIAL NAME OF SCHOOL	DISTRICT MUNICIPALITY	PRIMARY SCHOOL CLASSIFICATION	INAPPROPRIATE STRUCTURE
300016201	AALWYN INTERMEDIËRE SKOOL	PIXLEY KA SEME DISTRICT MUNICIPALITY	MEDIUM	REPLACEMENT OF INAPPROPRIATE STRUCTURE
300016202	ANDERSON PRIMÊRE SKOOL	PIXLEY KA SEME DISTRICT MUNICIPALITY	MEGA	REPLACEMENT OF INAPPROPRIATE STRUCTURE
300024203	DELTA PRIMARY SKOOL	PIXLEY KA SEME DISTRICT MUNICIPALITY	SMALL	REPLACEMENT OF INAPPROPRIATE STRUCTURE
300041202	FRANCISCUS INTERMEDIATE SCHOOL	ZF MGCAWU DISTRICT MUNICIPALITY	LARGE	REPLACEMENT OF INAPPROPRIATE STRUCTURE
300043208	GARIEPWATER PRIMÊRE SKOOL	ZF MGCAWU DISTRICT MUNICIPALITY	SMALL	REPLACEMENT OF INAPPROPRIATE STRUCTURE
300043401	HOËRSKOOL CARLTON VAN HEERDEN	ZF MGCAWU DISTRICT MUNICIPALITY	MEGA	REPLACEMENT OF INAPPROPRIATE STRUCTURE
300014202	HOMEVALE PRIMARY SCHOOL	FRANCES BAARD DISTRICT MUNICIPALITY	MEGA	REPLACEMENT OF INAPPROPRIATE STRUCTURE
300024305	IKHAYA PRIMARY SCHOOL	PIXLEY KA SEME DISTRICT MUNICIPALITY	MEDIUM	REPLACEMENT OF INAPPROPRIATE STRUCTURE
300043309	JG JANSEN INTERMEDIËRE SKOOL	ZF MGCAWU DISTRICT MUNICIPALITY	MEDIUM	REPLACEMENT OF INAPPROPRIATE STRUCTURE
300022203	JJ DREYER PRIMÊRE SKOOL	PIXLEY KA SEME DISTRICT MUNICIPALITY	LARGE	REPLACEMENT OF INAPPROPRIATE STRUCTURE
300034305	KENHARDT INTERMEDIËRE SKOOL	ZF MGCAWU DISTRICT MUNICIPALITY	MEDIUM	REPLACEMENT OF INAPPROPRIATE STRUCTURE
300021205	KEURTJIEKLOOF PRIMÊRE SKOOL	PIXLEY KA SEME DISTRICT MUNICIPALITY	MICRO LARGE	REPLACEMENT OF INAPPROPRIATE STRUCTURE
300043307	MÔRESON INTERMEDIËRE SKOOL	PIXLEY KA SEME DISTRICT MUNICIPALITY	MEDIUM	REPLACEMENT OF INAPPROPRIATE STRUCTURE
300041212	OLYVENHOUTSDRIFT PRIMÊRE SKOOL	ZF MGCAWU DISTRICT MUNICIPALITY	MEGA	REPLACEMENT OF INAPPROPRIATE STRUCTURE
300041213	ORANJE-OEWER INTERMEDIËRE SKOOL	ZF MGCAWU DISTRICT MUNICIPALITY	MEGA	REPLACEMENT OF INAPPROPRIATE STRUCTURE
300043221	ORANJE-SUID PRIMÊRE SKOOL	ZF MGCAWU DISTRICT MUNICIPALITY	LARGE	REPLACEMENT OF INAPPROPRIATE STRUCTURE
300021304	PETRUSVILLE PRIMÊRE SKOOL	PIXLEY KA SEME DISTRICT MUNICIPALITY	LARGE	REPLACEMENT OF INAPPROPRIATE STRUCTURE
300021305	PHILIPSTOWN PRIMARY SCHOOL	PIXLEY KA SEME DISTRICT MUNICIPALITY	SMALL	REPLACEMENT OF INAPPROPRIATE STRUCTURE

EMIS NUMBER	OFFICIAL NAME OF SCHOOL	DISTRICT MUNICIPALITY	PRIMARY SCHOOL CLASSIFICATION	INAPPROPRIATE STRUCTURE
300022208	RD WILLIAMS PRIMARY SCHOOL	PIXLEY KA SEME DISTRICT MUNICIPALITY	MEGA	REPLACEMENT OF INAPPROPRIATE STRUCTURE
300043224	ROSENDAL INTERMEDIATE SCHOOL	ZF MGCAWU DISTRICT MUNICIPALITY	MEGA	REPLACEMENT OF INAPPROPRIATE STRUCTURE
300043226	SIMBRUNER PRIMARY SCHOOL	ZF MGCAWU DISTRICT MUNICIPALITY	LARGE	REPLACEMENT OF INAPPROPRIATE STRUCTURE
300022306	SONSKYN INTERMEDIATE SCHOOL	PIXLEY KA SEME DISTRICT MUNICIPALITY	LARGE	REPLACEMENT OF INAPPROPRIATE STRUCTURE
300011214	VAAL-ORANJE PRIMÊRE SKOOL	PIXLEY KA SEME DISTRICT MUNICIPALITY	MEGA	REPLACEMENT OF INAPPROPRIATE STRUCTURE
300024306	VAN RENSBURG PRIMÊRE SKOOL	PIXLEY KA SEME DISTRICT MUNICIPALITY	LARGE	REPLACEMENT OF INAPPROPRIATE STRUCTURE
300041217	VOORUITSIG INTERMEDIATE SCHOOL	ZF MGCAWU DISTRICT MUNICIPALITY	LARGE	REPLACEMENT OF INAPPROPRIATE STRUCTURE
300041219	VREDESVALLEI PRIMÊRE SKOOL	ZF MGCAWU DISTRICT MUNICIPALITY	MICRO LARGE	REPLACEMENT OF INAPPROPRIATE STRUCTURE
300017305	WARRENVALE COMBINED SCHOOL	FRANCES BAARD DISTRICT MUNICIPALITY	LARGE	REPLACEMENT OF INAPPROPRIATE STRUCTURE

Temporary measures for damaged asbestos structures such as the painting of the panels will be implemented as part of emergency maintenance to retain any particulates that may be damaging to learners and educators. The following figure provides more information on the Asbestos Belt and Asbestos Structures within the Northern Cape Province. A large amount of 76 schools are located within the asbestos belt and within a 10km buffer:



Map 1: Asbestos belt and Inappropriate Structures

A significant number of schools are also situated in the asbestos mining belts where asbestos fibres that were spread by wind are contaminating the surrounding areas. These schools are indicated within the following table and will be required to relocate to areas where there is no contamination:

Table 10: Relocation of schools in Asbestos area

EMIS	SCHOOL NAME	MUNICIPALITY	SCHOOL CLASSIFICATION	DESCRIPTION
300100037	BA GA LOTLHARE INTERMEDIATE SCHOOL	JOHN TAOLO GAETSEWE DISTRICT MUNICIPALITY	MEDIUM	RELOCATION OR ALTERNATIVE SOLUTION AS THE FALLS WITHIN THE ASBESTOS BAND
300044204	FINSCH (SSKV) PRIMARY SCHOOL	ZF MGCAWU DISTRICT MUNICIPALITY	MICRO LARGE	RELOCATION OR ALTERNATIVE SOLUTION AS THE FALLS WITHIN THE ASBESTOS BAND
300100707	KHIBA SECONDARY SCHOOL	JOHN TAOLO GAETSEWE DISTRICT MUNICIPALITY	SMALL	RELOCATION OR ALTERNATIVE SOLUTION AS THE FALLS WITHIN THE ASBESTOS BAND
300101035	MAKHUBUNG PRIMARY SCHOOL	JOHN TAOLO GAETSEWE DISTRICT MUNICIPALITY	MICRO LARGE	RELOCATION OR ALTERNATIVE SOLUTION AS THE FALLS WITHIN THE ASBESTOS BAND
300101099	MARCH PRIMARY SCHOOL	JOHN TAOLO GAETSEWE DISTRICT MUNICIPALITY	MICRO LARGE	RELOCATION OR ALTERNATIVE SOLUTION AS THE FALLS WITHIN THE ASBESTOS BAND
300101579	OREEDITSE PRIMARY SCHOOL	JOHN TAOLO GAETSEWE DISTRICT MUNICIPALITY	SMALL	RELOCATION OR ALTERNATIVE SOLUTION AS THE FALLS WITHIN THE ASBESTOS BAND

EMIS	SCHOOL NAME	MUNICIPALITY	SCHOOL CLASSIFICATION	DESCRIPTION
300044220	RE FENTSE PRIMARY SCHOOL	ZF MGCAWU DISTRICT MUNICIPALITY	SMALL	RELOCATION OR ALTERNATIVE SOLUTION AS THE FALLS WITHIN THE ASBESTOS BAND
300101991	SHALANA PRIMARY SCHOOL	JOHN TAOLO GAETSEWE DISTRICT MUNICIPALITY	MICRO LARGE	RELOCATION OR ALTERNATIVE SOLUTION AS THE FALLS WITHIN THE ASBESTOS BAND
300102261	TSINENG PRIMARY SCHOOL	JOHN TAOLO GAETSEWE DISTRICT MUNICIPALITY	MEDIUM	RELOCATION OR ALTERNATIVE SOLUTION AS THE FALLS WITHIN THE ASBESTOS BAND
300104019	TSOE PRIMARY SCHOOL	JOHN TAOLO GAETSEWE DISTRICT MUNICIPALITY	MEDIUM	RELOCATION OR ALTERNATIVE SOLUTION AS THE FALLS WITHIN THE ASBESTOS BAND

There are 12 schools in the province that also have various assets that are deemed inappropriate, these are singular assets, such as an old storeroom, possibly made out of community bricks that contained asbestos fibres from the soil being utilised as a storeroom at Gamopedi Primary School. These structures are also indicated in Template 8A and will be addressed under the inappropriate structures programme by the department. For ease of reference these schools are as follows.

Table 11: Partial Inappropriate Structure

SCHOOL NAME	DISTRICT MUNICIPALITY	LOCAL MUNICIPALITY	PROGRAMME	PROGRAMME DESCRIPTION
DE AAR JUNIOR PRIMARY SCHOOL	PIXLEY KA SEME	EMTHANJENI	INAPPROPRIATE STRUCTURES	REPLACE GRADE R TOILETS, PORTIONS OF SCHOOL HALL
DE AAR PRIMARY SCHOOL	PIXLEY KA SEME	EMTHANJENI	INAPPROPRIATE STRUCTURES	REPLACE ASBESTOS STORAGE SPACE
EUREKA INTERMEDIATE SCHOOL	PIXLEY KA SEME	UMSOBOMVU	INAPPROPRIATE STRUCTURES	REPLACE ADMIN BLOCK, GRADE R AND NUTRITION CENTRE
GAMOPEDI PRIMARY SCHOOL	JOHN TAOLO GAETSEWE	MOSHAWENG	INAPPROPRIATE STRUCTURES	REPLACE ASBESTOS STORAGE SPACE
GRANGE PRIMARY SCHOOL	PIXLEY KA SEME	SIYANCUMA	INAPPROPRIATE STRUCTURES	REPLACE 2 X CLASSROOMS AND GRADE R FACILITY
HOËRSKOOL CARNARVON	PIXLEY KA SEME	KAREEBERG	INAPPROPRIATE STRUCTURES	REPLACE 6 X CLASSROOMS
HUTCHINSON PRIMARY SCHOOL	PIXLEY KA SEME	UBUNTU	INAPPROPRIATE STRUCTURES	REPLACE ADMIN BLOCK WITH MOBILE - FARM SCHOOL
IKAGENG INTERMEDIATE SCHOOL	PIXLEY KA SEME	SIYANCUMA	INAPPROPRIATE STRUCTURES	REPLACE COMPUTER, LIBRARY, KITCHEN HALL AND ABLUTIONS
IKHAYA PRIMARY SCHOOL	PIXLEY KA SEME	UBUNTU	INAPPROPRIATE STRUCTURES	REPLACE WOODEN ABLUTION AND ASBESTOS PANEL CLASSROOMS
KELEMOGILE PRIMARY SCHOOL	PIXLEY KA SEME	SIYANCUMA	INAPPROPRIATE STRUCTURES	REPLACE ASBESTOS STRUCTURES

SCHOOL NAME	DISTRICT MUNICIPALITY	LOCAL MUNICIPALITY	PROGRAMME	PROGRAMME DESCRIPTION
LUVUYO PRIMARY SCHOOL	PIXLEY KA SEME	EMTHANJENI	INAPPROPRIATE STRUCTURES	REPLACE FIBRE CEMENT STRUCTURES
MELTON WORLD PRIMARY SCHOOL	PIXLEY KA SEME	UMSOBOMVU	INAPPROPRIATE STRUCTURES	REPLACE STEEL CONTAINER LIBRARY

1.6. ASBETSOS INTERVENTION PLANS

Some of the schools in the Province are situated in the asbestos belt, as discussed elsewhere in this document, but it is a much wider problem than just that of NCDOE. Where schools outside the asbestos belt are build entirely out of asbestos, the whole school is scheduled for replacement.

Removing asbestos is a costly exercise. The Department are therefore looking at alternative ways to contain asbestos fibres, executing pilot projects.

a) Painting

In the 2014/15 financial year, two schools were identified for rehabilitation namely Gamopedi Primary School and Gamohana Intermediate School. The structures at these schools were built with bricks containing asbestos fibres and the fibres were beginning to show. The walls were sprayed with sealer coating, a paint especially developed to contain asbestos fibres.

Where schools currently have asbestos roofs, they are scheduled to be replaced. The Department have pilot programmes that are looking at special thick roof paint that will cover the surface and contain the fibres until such time as the roofs that can be replaced.

b) Panels

Some schools have a classroom or two that are built with asbestos panels in a metal frame. In the 2015/16 financial year, the Department was doing remedial work on a couple of these buildings in Kimberley, by replacing panels with a GRC (glass reinforced concrete) panel that fit the steel structures.

Secondly, the Department are also investigating sandwiching the panels in order to keep the insulating properties of the asbestos and preventing costly removal of panels by cladding the outside and inside, thus providing a thicker wall with better thermal mass.

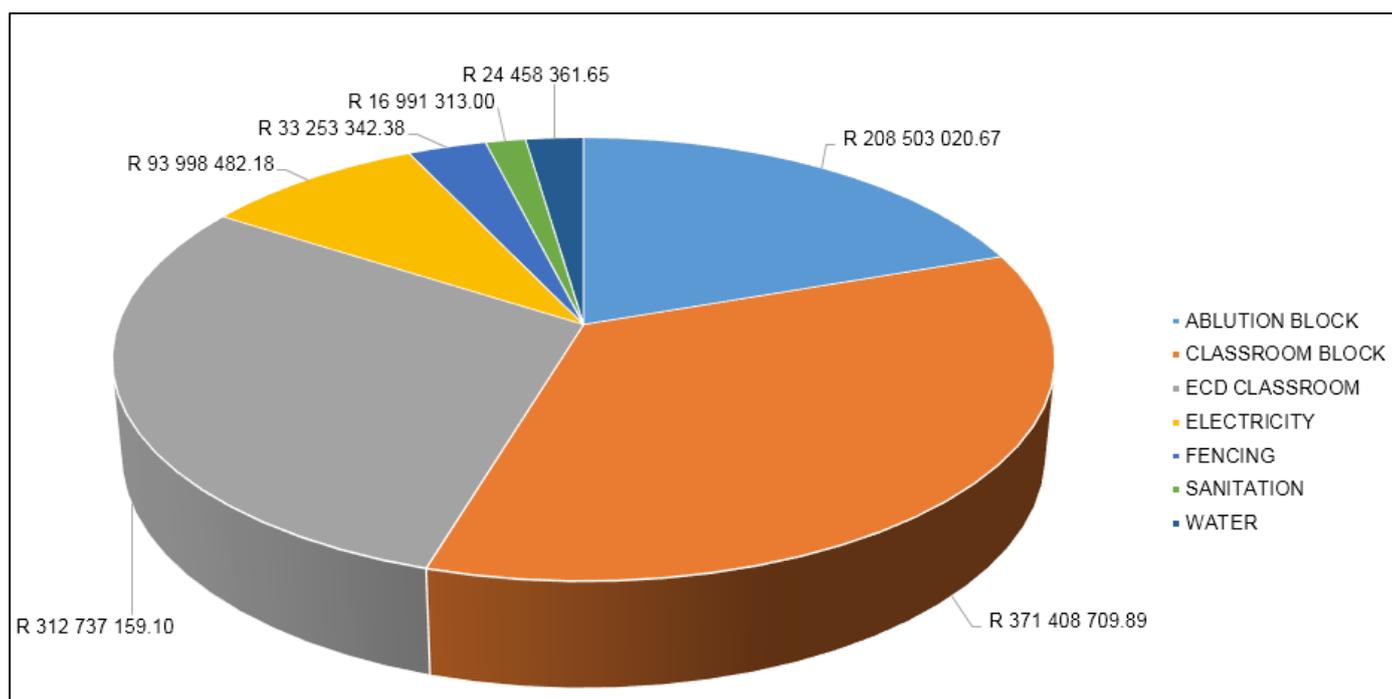
7 YEAR IMPLEMENTATION PLAN

2.1. NEEDS IDENTIFIED FOR THE 10 YEAR IMPLEMENTATION PLAN

Target dates have been set for the upgrading of reliability of water, electricity and required infrastructure. For instance schools that receive water through community connection, but the water supply are at times unreliable are considered to be provided with boreholes and water storage tanks.

Core educational spaces are required to achieve the 7 Year Plan according to the Norms and Standards for Public School Infrastructure. The provision of new infrastructure to achieve the implementation of core educational spaces in the province has been prioritised by the department and the demand has been identified.

The figures encapsulated in the following figure are derived from the Infrastructure Database extracted from EFMS Property Register. Schools that have been identified on EFMS as not the relevant core spaces have been identified for the provision of such an asset. The construction costs applied are aligned to the cost model as applicable to the Province.



Graph 1: Budget per Programme for 7 Year Plan (Nov 2020)

The anticipated cost of construction of the specific assets is included in the following per district.

Table 12: 7 Year Plan

DISTRICT MUNICIPALITY	ABLUTION BLOCK		CLASSROOM BLOCK		ECD CLASSROOM		ELECTRICITY	
	NUMBER OF SCHOOLS	TOTAL PROJECT COST	NUMBER OF SCHOOLS	TOTAL PROJECT COST	NUMBER OF SCHOOLS	TOTAL PROJECT COST	NUMBER OF SCHOOLS	TOTAL PROJECT COST
FRANCES BAARD	18	R 54 633 247	19	R 181 979 494	27	R 127 510 378	18	R 10 293 541
JOHN TAOLO GAETSEWE	41	R 98 918 457	26	R 119 399 130	20	R 83 361 551	33	R 46 624 924
NAMAKWA	9	R 14 639 454	2	R 5 515 876	4	R 17 186 022	4	R 2 142 412
PIXLEY KA SEME	18	R 22 816 856	6	R 35 106 221	9	R 46 617 618	8	R 9 455 114
ZF MGCAWU	9	R 17 495 005	9	R 29 407 985	7	R 38 061 587	12	R 25 482 490
TOTAL	95	R 208 503 020	62	R 371 408 709	67	R 312 737 159	75	R 93 998 482

DISTRICT MUNICIPALITY	FENCING		SANITATION		WATER	
	NUMBER OF SCHOOLS	TOTAL PROJECT COST	NUMBER OF SCHOOLS	TOTAL PROJECT COST	NUMBER OF SCHOOLS	TOTAL PROJECT COST
FRANCES BAARD	25	R 15 327 860			14	R 4 455 558
JOHN TAOLO GAETSEWE	16	R 6 280 335	9	R 10 901 613	15	R 5 476 295
NAMAKWA	13	R 5 052 543			22	R 9 529 546
PIXLEY KA SEME	5	R 5 220 897	5	R 6 089 700	11	R 4 168 090
ZF MGCAWU	3	R 1 371 706			2	R 828 870
Grand Total	62	R 33 253 342	14	R 16 991 313	64	R 24 458 361

The table indicates the overall estimated cost of providing new infrastructure in the province that will cater to the identified demand. An amount of **R 1 061 350 388** is required within the next three years in order to satisfy and address the demand for core educational spaces in the Province. This will ensure that the province will have achieved 7 year plan for all schools by the 2019/20 financial year.

Other intangible circumstances also prevail in the determination of infrastructure need. The migration of persons is not inherently movement between districts but also the re-settlement of families from one area to another in the same vicinity. Recent legislation has prompted farm owners to evict or relocate their farm worker components to areas outside the farm in an effort to avoid abiding by new laws that in effect grant farm workers partial ownership of the farm land. The influx of these families into other areas strains the available accommodation. In these instances the department will have to revise its plans and re-prioritise certain projects in order to cater for these intangible and un-foreseen events.

2.2. PROGRESS MADE ON 7 YEAR IMPLEMENTATION PLAN

The following table indicates the number of facilities targeted to complete within the 2017/18 MTEF period:

Table 13: 7 Year Plan Planned and Active Projects

INFRASTRUCTURE PROJECTS TARGETTED TO COMPLETE	NEW SCHOOLS				EXISTING SCHOOLS				TOTAL
	Target 2017/18	Target 2018/19	Target 2019/20	TOTAL	Target 2017/18	Target 2018/19	Target 2019/20	TOTAL	
Number of ordinary classrooms	25	75	125	225	38	32	18	88	313
Number of Grade R classrooms	2	2	6	10	8	4	0	12	22
Upgrading of water facilities - number of schools	1	3	5	9	32	8	0	40	49
Additional & upgrading of sanitation facilities - number of schools	1	3	5	9	13	7	1	21	30
Upgrading of electricity - number of schools	1	3	5	9	8	28	6	42	51
No fencing - number of schools to be provided with fencing	1	3	5	9	0	0	0	0	9
Upgrading of existing fencing - number of schools	0	0	0	0	33	2	0	35	35

10 YEAR IMPLEMENTATION PLAN

3.1. NEEDS IDENTIFIED FOR THE 10 YEAR IMPLEMENTATION PLAN

Supportive educational spaces are required to achieve the 10 Year Plan according to the Norms and Standards for Public School Infrastructure. The provision of new infrastructure to achieve the implementation of core educational spaces in the province has been prioritised by the department and the demand has been identified.

Table 14: 10 Year Plan

DISTRICT MUNICIPALITY	COMPUTER CENTRE		LIBRARY		MEDIA CENTRE		SCIENCE LABORATORY	
	NUMBER OF SCHOOLS	BUDGET REQUIRED	NUMBER OF SCHOOLS	BUDGET REQUIRED	NUMBER OF SCHOOLS	BUDGET REQUIRED	NUMBER OF SCHOOLS	BUDGET REQUIRED
FRANCES BAARD	25	R 40 000 000	2	R 2 600 000	40	R 116 000 000	61	R 109 800 000
JOHN TAOLO GAETSEWE	20	R 32 000 000	4	R 5 200 000	14	R 40 600 000	27	R 48 600 000
NAMAKWA	2	R 3 200 000	4	R 5 200 000	3	R 8 700 000	8	R 14 400 000
PIXLEY KA SEME	10	R 16 000 000	3	R 3 900 000	15	R 43 500 000	23	R 41 400 000
ZF MGCAWU	18	R 28 800 000	1	R 1 300 000	23	R 66 700 000	39	R 70 200 000
Grand Total	75	R 120 000 000	14	R 18 200 000	95	R 275 500 000	158	R 284 400 000

The table indicates the overall estimated cost of providing new infrastructure in the province that will cater to the identified demand. An amount of **R 698 100 000.00** is required within the next seven years in order to satisfy and address the demand for core educational spaces in the Province. This will ensure that the province will have achieved 10 year plan for all schools by the 2023/24 financial year.

3.2. PROGRESS MADE ON 10 YEAR IMPLEMENTATION PLAN

The Department has targeted Media Centres, Computer Centres, Libraries and Science Laboratories in terms of 10 year implementation plan. The following table indicates the number of facilities targeted to complete within the 2017/18 MTEF period:

Table 15: 10 Year Plan Planned and Active Projects

INFRASTRUCTURE PROJECTS TARGETTED TO COMPLETE	NEW SCHOOLS				EXISTING SCHOOLS				TOTAL:
	Target 2017/18	Target 2018/19	Target 2019/20	TOTAL	Target 2017/18	Target 2018/19	Target 2019/20	TOTAL	
Number of multimedia centres (library+computer)	1	3	5	9	1	1	2	4	13
Number of Laboratories	1	5	7	13	0	0	1	1	14

INFRASTRUCTURE PROJECTS TARGETTED TO COMPLETE	NEW SCHOOLS				EXISTING SCHOOLS				TOTAL:
	Target 2017/18	Target 2018/19	Target 2019/20	TOTAL	Target 2017/18	Target 2018/19	Target 2019/20	TOTAL	
Number of Libraries	0	0	0	0	0	0	0	0	0
Number of computer rooms	1	3	5	9	0	0	0	0	9

17 YEAR IMPLEMENTATION PLAN

4.1. NEEDS IDENTIFIED FOR THE 17 YEAR IMPLEMENTATION PLAN

Supportive educational spaces are required to achieve the 17 Year Plan according to the Norms and Standards for Public School Infrastructure. The provision of new infrastructure to achieve the implementation of core educational spaces in the province has been prioritised by the department and the demand has been identified.

Table 16: 17 Year Plan

DISTRICT MUNICIPALITY	ADMINISTRATION BLOCK		NUTRITION KITCHEN		SPORT FACILITIES	
	NUMBER OF SCHOOLS	BUDGET REQUIRED	NUMBER OF SCHOOLS	BUDGET REQUIRED	NUMBER OF SCHOOLS	BUDGET REQUIRED
FRANCES BAARD	11	R 34 100 000	38	R 76 000 000	30	R 13 500 000
JOHN TAOLO GAETSEWE	23	R 71 300 000	37	R 74 000 000	34	R 15 300 000
NAMAKWA	3	R 9 300 000	6	R 12 000 000	20	R 9 000 000
PIXLEY KA SEME	5	R 15 500 000	28	R 56 000 000	17	R 7 650 000
ZF MGCAWU	14	R 43 400 000	31	R 62 000 000	27	R 12 150 000
Grand Total	56	R 173 600 000	140	R 280 000 000	128	R 57 600 000

DISTRICT MUNICIPALITY	SCHOOL HALLS		SECURITY		PARKING	
	NUMBER OF SCHOOLS	BUDGET REQUIRED	NUMBER OF SCHOOLS	BUDGET REQUIRED	NUMBER OF SCHOOLS	BUDGET REQUIRED
FRANCES BAARD	27	R 194 400 000	34	R 14 388 000	62	R 111 600 000
JOHN TAOLO GAETSEWE	111	R 799 200 000	39	R 8 800 000	23	R 41 400 000
NAMAKWA	10	R 72 000 000	19	R 2 838 000	7	R 12 600 000
PIXLEY KA SEME	19	R 136 800 000	36	R 11 858 000	32	R 57 600 000
ZF MGCAWU	21	R 151 200 000	36	R 17 776 000	39	R 70 200 000
Grand Total	188	R 1 353 600 000	164	R 55 660 000	163	R 293 400 000

The table indicates the overall estimated cost of providing new infrastructure in the province that will cater to the identified demand. An amount of **R 2 213 860 000.00** is required in order to satisfy and address the demand for core educational spaces in the Province. This will ensure that the province will have achieved 17 year plan for all schools by the 2029/30 financial year.

4.2. PROGRESS MADE ON 17 YEAR IMPLEMENTATION PLAN

The Department has targeted Administration Blocks, Nutrition Centres, School Halls and Sport Facilities in terms of 17 year implementation plan. The following table indicates the number of facilities targeted to complete within the 2017/18 MTEF period:

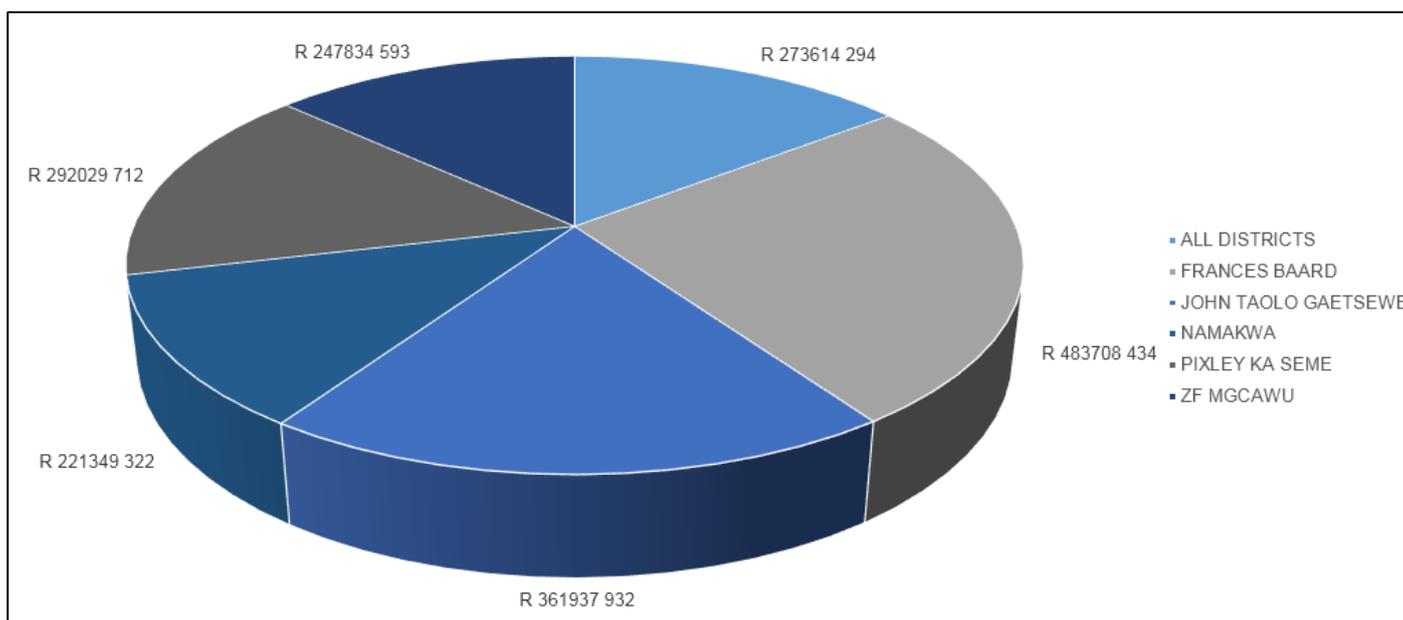
Table 17: 17 Year Plan Planned and Active Projects

INFRASTRUCTURE PROJECTS TARGETTED TO COMPLETE	NEW SCHOOLS				EXISTING SCHOOLS				TOTAL:
	Target 2017/18	Target 2018/19	Target 2019/20	TOTAL	Target 2017/18	Target 2018/19	Target 2019/20	TOTAL	
Number of Administration Blocks	1	3	5	9	3	3	0	6	15
Number of nutrition centre	1	3	5	9	1	0	0	1	10
Number of halls / forums	1	3	5	9	1	1	0	2	11
No sport facilities - number of schools to be provided with sport facilities	1	3	5	9	0	0	0	0	9
Upgrading of sport facilities number of schools	0	0	0	0	3	1	2	6	6

5.1. NEEDS IDENTIFIED IN TERMS OF IMPROVEMENT OF CONDITION

The overall cost for improvement of core infrastructure assets in the province to bring all assets to meet the minimum functionality norm is based on the applicable construction rates within the province to renovate and rehabilitate infrastructure assets of a similar nature. The rates are then applied to the condition as captured from the verification data.

The cost of upgrades, rehabilitation and maintenance required bringing the existing infrastructure assets rated between C2 and C4 to a C5 rating are indicated in the tables below:



The estimated total amount required bringing all schools to optimum functionality is **R 1 880 474 287** over a period of 10 years. Template 8D maintenance, provide a breakdown of the required funding.

This approach is in line with best practice and confirms the fact that planning for, adequately financing and marketing long-term maintenance of public assets will prevent the need for repairs that are likely to cost many times as much as the maintenance costs themselves.

By performing long term maintenance on the immovable assets, the Department will ensure the scarce financial resources are committed elsewhere where the need is greatest. The Department furthermore planned for maintenance according to two types of maintenance (Corrective and Preventative) with categories and sub-categories under each, these categories are aligned to the categories identified in the NIAMM and within the Northern Cape Provincial Maintenance Policy. The estimate total amount required per district per maintenance type are indicated in the following table:

Table 18: Cost of Improvement – Corrective and Preventative Maintenance

DISTRICT / PROGRAMME	ESTIMATE BUDGET	
ALL DISTRICTS	R	273 614 294
MAINTENANCE - PREVENTATIVE	R	273 614 294
FRANCES BAARD	R	483 708 434
MAINTENANCE - CORRECTIVE	R	4 661 321
MAINTENANCE - PREVENTATIVE	R	479 047 113
JOHN TAOLO GAETSEWE	R	361 937 932
MAINTENANCE - CORRECTIVE	R	1 925 046
MAINTENANCE - PREVENTATIVE	R	360 012 887
NAMAKWA	R	221 349 322
MAINTENANCE - CORRECTIVE	R	1 313 404
MAINTENANCE - PREVENTATIVE	R	220 035 918
PIXLEY KA SEME	R	292 029 712
MAINTENANCE - CORRECTIVE	R	21 543 444
MAINTENANCE - PREVENTATIVE	R	270 486 268
ZF MGCAWU	R	247 834 593
MAINTENANCE - CORRECTIVE	R	7 435 948
MAINTENANCE - PREVENTATIVE	R	240 398 645
GRAND TOTAL	R	1 880 474 287

The Northern Cape Department of education has addressed the provisioning of basic services as per the 3 year implementation plan stated in the Norms and Standards all Northern Cape Schools do have some sort of electricity supply some sort of water supply as well as some sort of sanitation therefore the department has already started to implement the 7 year implementation plan where the sufficiency is addressed for basic services.

The main issue for addressing full inappropriate structures (asbestos, wood, metal) is that the problem is on a higher level due to the cost implications of which the NCDOE budget will not be able to cater for therefore this target of eradicating all fully inappropriate structures was not met by November 2016.

The Regulations set out timeframes for the provision of the various categories of facilities required for a school. The estimated monetary value of the backlogs for each of the timeframes, in terms thereof, is summarized below:

Table 19: Estimate budget required to address Norms and Standards

NORMS AND STANDARDS TIMEFRAME	COST
Three Year Timeframe (Nov 2013 - Nov 2016) No basic services (water, sanitation & electricity) and schools comprising entirely of inappropriate structures	R 2 637 847 666.59
Seven Year Timeframe (Nov 2013 - Nov 2020) Classrooms, inappropriate structures, insufficient basic services, fencing & security, connectivity	R 1 061 350 388.00
Ten Year Timeframe (Nov 2013 - Nov 2023) Multipurpose classrooms, libraries, laboratories, computer labs	R 698 100 000.00
Seventeen Year Timeframe (Nov 2013 - Nov 2030) Administration areas, nutrition centres, parking bays, sports fields	R 2 213 860 000.00
Cost for improvement	R 1 880 474 287.00
TOTAL	R 8 491 632 341.59