

B01.28-15



Western Cape  
Government

Education

**ACCELERATED SCHOOL INFRASTRUCTURE DELIVERY INITIATIVE**

**("ASIDI")**

**INFRASTRUCTURE PROGRAMME IMPLEMENTATION PLAN**

**("IPIP")**

for the client

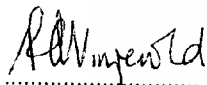
**DEPARTMENT OF BASIC EDUCATION**

**("DBE")**

From the implementer

**WESTERN CAPE EDUCATION DEPARTMENT**

**("WCED")**

  
.....

P VINJEVD

HEAD OF EDUCATION

DATE: 2012-08-24



DBE LETTER





## basic education

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Basic Education  
REPUBLIC OF SOUTH AFRICA

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Ms PA Vinjevold  
Superintendent-General: Education  
Western Cape  
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**CAPE TOWN**  
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By Fax: (021) 461 3694

Dear Ms Vinjevold

### APPROVAL OF THE WESTERN CAPE INFRASTRUCTURE PROGRAMME IMPLEMENTATION PLAN FOR ASIDI AND ADDENDUM NO 1 TO THE MoA BETWEEN DBE AND WC DoE

The Department of Basic Education (DBE) acknowledges receipt of the Infrastructure Programme Implementation Plan (IPIP) and related annexures submitted by your Department and received on the 03 September 2012 for the implementation of the 14 new schools. The IPIP has been scrutinized and is approved in principle.

DBE notes clause 2.2 of the IPIP on the standard designs and approves the use of the WCED for reasons stipulated. However DBE would like to see the benefit of the use of standard designs reflecting in the fees charged by and paid to respective Professional Service providers (PSPs).

DBE wishes to reiterate that the ASIDI programme intends to bring the entire inappropriate schools to basic safety compliance as per the DBE guidelines relating to planning for public school infrastructure. Where the PED requires functionality beyond the basic level of functionality, this shall be for the account of the PED.


DBE notes the target dates for completion of the projects and programmes and are as set out in clause 2.3 and 4 of the IPIP.

The baseline cost of R540.7mil including the building cost and professional fees, of which R113.5mil is to be made available during the 2012/13 financial year as per clause 3 of the IPIP is noted. Tranche payment requests are to be made in line with the cash flow protection provided as an annexure to the IPIP or its latest revisions. Programme Management cost in clause 7.5 of R7,75 mil including overall programme management oversight, community development facilitation and additional technical resources is noted

DBE also wishes to present the first amendment to the Memorandum of Agreement attached hereto for your consideration and signature.

Your co-operation is always appreciated

Yours sincerely

  
MR P B SOBRAYAN  
DIRECTOR-GENERAL

DATE: 05/10/2012

Cc: Mr HA Lewis, Chief Director: Physical Resources.

Ms Mc Glenatendolf



# ADDENDUM



**FIRST AMENDMENT TO THE  
MEMORANDUM OF AGREEMENT**

**In Relation to the Accelerated School  
Infrastructure Delivery Initiative Programme**

**between**

**THE GOVERNMENT OF THE REPUBLIC  
OF SOUTH AFRICA, ACTING THROUGH**

**ITS DEPARTMENT OF BASIC**

**EDUCATION**

**("DBE")**

**and**

**PROVINCIAL EDUCATION**

**DEPARTMENT-WC**

**("PED")**

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**Preamble**

**WHEREAS** the Department of Basic Education ("DBE") and the Provincial Education Department –WC ("PED) has on 14 May 2012 and 17 May 2012 respectively signed a Memorandum of Agreement ("MOA") in relation to the Accelerated School Delivery Initiative Programme;

**AND WHEREAS** the Infrastructure Programme Implementation Plan (IPIP) is part of the MOA and needs to be amended and updated;

**AND WHEREAS** Clause 21 of the MOA requires any amendments to be in writing and to be signed by both parties;

**NOW THEREFORE** the parties agree as follows:-

1. **Infrastructure Programme Implementation Plan (IPIP)**

The current Infrastructure Programme Implementation Plan (IPIP) dated 24 August 2012 has been approved and is attached hereto as an Annexure.

2. **Target Dates for Completion**

The target dates for completion of the projects and programmes are as set out in clause 2.3 and 4 of the IPIP.

3. **Penalty for Non-completion**

- 3.1 Where practical completion is not achieved by the target dates referred to in clause 2 above, PED shall be liable to DBE for a penalty at the penalty rate of R50 000, 00 [Fifty Thousand Rand] per day.
- 3.2 Where the DBE decides to levy such a penalty, the amount shall be subtracted from any payments due to PED.
- 3.3 DBE may recover any amount due as a penalty as a debt from PED.

4. **Payment**

Clause 10.8 of the MOA on payments is amended and replaced as follows

- 10.8 The DBE shall deposit the advance payment to the PED primary bank account. A School Backlogs Grant fund code shall be created on BAS by the PED. A detailed expenditure and expenditure control commitments



report from BAS shall be submitted to the DBE by the PED on a monthly basis.

- 10.9 The DBE shall be responsible to make payment to the PED against the tranche payments as per the approved cash flows contained in the IPIP or as updated on a monthly basis and approved by DBE.
- 10.10 Notwithstanding clauses 10.8 and 10.9 above, the IA shall spend at least seventy percent (70%) of the tranche funds transferred to it before DBE can be requested to make the next tranche payment.
- 10.11 The PED shall provide all the required invoices, proof of payment and other financial detail required by the DBE to the DBE within fourteen (14) calendar days after the payment has been done.
- 10.12 The DBE undertakes to indemnify and hold the PED harmless against all claims made by the consultants and contractors arising from, relating to or incidental to a delay in the transfer of payments caused by the DBE or delays in processing approvals by the DBE that might hamper the progress on the programme.
- 10.13 The PED shall make timeous payment and will be liable for all claims made by the consultants and contractors arising from, relating to or incidental to a delay in the transfer of payments caused other than by the DBE.
- 10.14 In the event of budget cuts to the programme, resulting in the discontinuation or suspension of the implementation of any projects under this programme, change of scope or list of projects initiated by the DBE, the DBE will be liable for all liabilities incurred by the PED in respect of service providers, consultants and contractors engaged by the PED under this programme.
- 10.15 The payment process shall be as indicated hereunder:-
- 10.15.1 The PED enters into Implementing Agent (IA) agreement, IA enters into Professional Service Provider (PSP) agreements and JBCC contracts agreements with various entities for the provisioning of various approved schools infrastructure projects.





10.15.2 The Principal Agents shall certify all interim certificates submitted in terms of the JBCC contract clause 31.0 and PSP claims before submitting to the PED. The responsible PED official reviews it to ensure that the service has been delivered. The process flow is as detailed hereunder:-

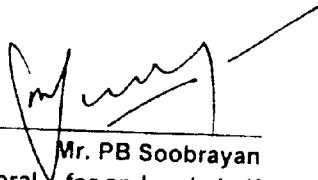
- (1) Principal Agents/Project Managers to PED;
  - (2) PED to DBE with certified copies of invoices;
  - (3) PED effects payment to Service Provider;
  - (4) DBE effects tranche payments to PED as per approved IPIP;
  - (5) PED submits certified copies of all invoices as per clause 10.4;
- and
- (6) In instances of tranche payments, funds are only considered spent when invoices are received.

Signed at PRETORIA on this 4<sup>TH</sup> day of OCTOBER 2012.

As Witnesses:

1. \_\_\_\_\_

2. \_\_\_\_\_



Mr. PB Soobrayan  
Director-General for and on behalf  
of the Department of Basic Education,  
Who warrants that he is duly authorised thereto

Signed at \_\_\_\_\_ on this \_\_\_\_ day of \_\_\_\_\_ 2012.

As Witnesses:

1. \_\_\_\_\_

2. \_\_\_\_\_

\_\_\_\_\_  
Ms. PA Vinjevoid  
Head of Department – for and on behalf  
of the of Provincial Education Department-WC,  
who warrants that she is duly authorised thereto



## TABLE OF CONTENTS

GENERAL OVERVIEW .....	2
ABBREVIATIONS AND DEFINITIONS .....	4
1. INTRODUCTION.....	7
2. THE ASIDI SCHOOLS PROJECT.....	10
2.1. ASIDI PROGRAMME SCOPE.....	10
2.3. TIME MANAGEMENT .....	15
2.4. ASIDI DELIVERY STRATEGY: PRIORITISING DELIVERY.....	16
3. ESTIMATED CASH FLOW PROJECTIONS FOR THE ASIDI PROGRAMME .....	17
4. ASIDI IMPLEMENTATION PROGRAMME.....	18
5. CONSTRUCTION PROCUREMENT STRATEGY.....	19
5.1. ASIDI CONSTRUCTION PROCUREMENT STRATEGY.....	19
5.2. PSP APPOINTMENT AND STANDARD CONDITIONS OF CONTRACT .....	19
5.3. PACKAGING THE WORK.....	19
5.4. SPECIAL CONDITIONS.....	20
6. PROGRESS AND PERFORMANCE MONITORING.....	21
6.1. MANAGEMENT OBJECTIVES .....	21
6.2. REPORTING TO THE CLIENT DEPARTMENT (DBE).....	21
6.3. INTERNAL REPORTING ARRANGEMENTS.....	21
7. MANAGEMENT PLANS .....	22
7.1. HUMAN RESOURCING PLAN.....	22
7.2. RISK MANAGEMENT PLAN.....	25
7.3. QUALITY MANAGEMENT PLAN .....	26
7.4. COMMUNICATIONS PLAN .....	28
7.5. PROGRAMME MANAGEMENT COST .....	28
8. GREEN BUILDING.....	29
Annexure A: List of schools grouped into contracts	
Annexure B: WCED Letter of appointment	
Annexure C: MoA	
Annexure D: WCDTPW Letter of appointment	
Annexure E: WCED and CSIR Comparative analysis of facilities	
Annexure F: Scope changes	
Annexure G: Programme schedule (MS Project WBS)	
Annexure H: Typical professional fees	

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## GENERAL OVERVIEW

The Department of Basic Education ("DBE") has been allocated funding from the National Treasury in order to centrally manage the Accelerated School Infrastructure Delivery Initiative (ASIDI). This initiative aims, amongst other things, to address backlogs in the eradication of inappropriate school structures and provision of basic services. The DBE is the client department and the department responsible for driving and centrally managing the ASIDI initiative nation-wide. In the Western Cape the ASIDI programme is aimed at replacing schools that have inappropriate structures (largely the so-called "plankie" schools).

The Western Cape Education Department ("WCED") has been formally appointed by the DBE to implement the replacement of 25 schools built of inappropriate materials. The WCED is responsible for the delivery of all 25 schools in accordance with the provisions of the letter of appointment which is dated the 25 June 2012 and which is appended as Annexure B and the "Memorandum of Agreement for the Implementation of the Accelerated Schools Infrastructure Delivery Initiative (ASIDI) within the Republic of South Africa" entered into between DBE and WCED. This document is dated the 17 May 2012 and is appended as Annexure C.

The WCED has in turn appointed the Western Cape Department of Transport and Public Works (WCDTPW) through its Directorate Works Education Facilities (WEF) to assist it in the delivery of the ASIDI projects as per letter of appointment dated 10 July 2012 and incorporated as Annexure D. The WCED and the WCDTPW have a long-standing and formalised relationship in respect of the implementation of education infrastructure. While WCDTPW will assist WCED, WCED remains fully accountable for the implementation of the ASIDI programme in the Western Cape.

This Infrastructure Programme Implementation Plan (IPIP) specifies how the WCED, through its implementing agent WCDTPW (WEF), will plan, manage and implement the 25 school ASIDI infrastructure replacement initiative in the Western Cape. It also describes how the ASIDI budget will be spent. An IPIP generally specifies how the Implementing Department responds to the Infrastructure Programme Management Plan (IPMP) that is produced by the client department. In this case however, due to time constraints, an IPMP has not been developed by DBE. Instead various documents provided by DBE and in particular the MOA referred to above have been used as expressing the client's implementation intentions.

In terms of the ASIDI Programme for the Western Cape, fourteen schools have been identified initially (for 2012/13 and 2013/2014) at an approximate cost of R541 million and then the intervention will expand to twenty-five schools (from 2013/2014 to 2014/2015) at an estimated R935 million in total. The target date for construction completion of the first 14 schools is the end of the 2013 calendar year to allow for occupation of the schools at the start of school term in January 2014. Of the fourteen (14) schools, nine (9) are located in the Cape Town Metropole, three (3) in Metro North/ West Coast, one (1) in Overberg and one (1) in Eden.

The relationship between the WCED and the WCDTPW is formally governed within the framework of the Western Cape Infrastructure Delivery Management Framework (the WC IDMS) which has been endorsed by the Provincial Cabinet, and by several other formal agreements such as the Service Delivery Agreement (SDA) signed by the two Departments and the IPMP and IPIP that the two departments jointly sign each year. The WCDTPW has recently submitted an IPIP to WCED for 2012/13 which incorporates the first 14 schools of the ASIDI programme and which has already been sent to DBE for information and perusal.

The WCED (and WCDTPW) will comply with the requirements and guidelines contained in two DBE documents. The first is the ASIDI PORTFOLIO MANAGEMENT PLAN ANNEXURE K1 and the second is the document dealing with ASIDI CONSTRUCTION QUALITY ANNEXURE I2.

The ASIDI implementation programme will also follow the prescripts of the WC Standard for a Construction Procurement System, and the WC Standard for an Infrastructure Delivery Management System, developed and implemented by Provincial Treasury in collaboration with the infrastructure line function departments for implementation in 2012. These prescripts will ensure that delivery is effected in a compliant fashion particularly in respect of procurement.



A handwritten signature in black ink, appearing to be "A. N.", is located in the bottom right corner of the page.

## ABBREVIATIONS AND DEFINITIONS

In order to provide clarity the following abbreviations and definitions are used within this document:

### ABBREVIATIONS

ASIDI	Accelerated School Infrastructure Delivery Initiative
CLO	Community liaison officer
DBE	Department of Basic Education
EPWP	Expanded Public Works Programme
GIAMA	Government Immovable Asset Management Act (No 19 of 2007)
HoD	Head of Department
ID	Implementing Department
IDMS	Infrastructure Delivery Management System
IPIP	Infrastructure Programme Implementation Plan
IPMP	Infrastructure Programme Management Plan
KPI	Key Performance Indicators
MOA	The Memorandum of Agreement and all the Annexures and Schedules thereto, as signed 17 May 2012.
PGWC	Provincial Government of the Western Cape
PSP	Professional Services Providers – Built Environment Professionals responsible for Design, Quality Assurance and Contract Administration
SDA	Service Delivery Agreement
SGB	School Governing Body
SHE	Safety, Health and Environment
WCDTPW	Western Cape Department of Transport and Public Works
WCED	Western Cape Education Department

WCIDMS	Western Cape Infrastructure Delivery Management System
WEF	Directorate Works Education Facilities, WCDEPW

### SELECTED DEFINITIONS

1. **Implementation Department (ID):** The Western Cape Department of Transport and Public Works, Branch Provincial Works; Directorate: Works Education Facilities (WCDEPW).
2. **Package:** Works which have been grouped together for delivery under a single contract or a package order.
3. **Package information:** Information at a point in time, following the identification of a package which is contained in one or more of the following documents:
  - a) the brief which is progressively developed from time to time;
  - b) the design documentation including specifications, data schedules and drawings;
  - c) the schedule which identifies key dates and time periods for the performance of the works and services associated with the package, and
  - d) cost plan
4. **Programme:** Refers to the infrastructure programme implemented by the ID on behalf and for the WCED.
5. **Service Delivery Agreement (SDA):** The Service Delivery Agreement is a formally approved and signed contract between the WCED and WCDEPW which defines the contractual relationships, roles and responsibilities between the two parties in respect of the delivery of the programme scope as outlined in this IPMP. The SDA is reviewed annually, and the current agreement is dated 1 April 2010.
6. **Standard for a Construction Procurement System:** As issued by the Western Cape Provincial Treasury, on April 2012. The procurement system comprises not only procurement processes but also includes rules and guidelines governing procedures and methods, procurement documents which include terms and conditions, procedures and requirements, and risk/quality oversight (governance and performance) controls, and contains the related organisational policies.
7. **Standard for an Infrastructure Delivery Management System:** As issued by the Western Cape Provincial Treasury, on 1 April 2012. The Infrastructure Delivery Management System (IDMS) has been developed in partnership between the National Treasury, the CIDB, the Departments of Public Works, Education and Health and the DBSA. It is the

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Government's management system for planning, budgeting, procurement, delivery, maintenance, operation, monitoring and evaluation of infrastructure. It comprises a set of interrelating or interacting elements that establish processes which transform inputs into outputs.





## 1. INTRODUCTION

### 1.1 BACKGROUND AND INTRODUCTION

Historically many "temporary" schools have been built in the Western Cape to alleviate enrolment pressures. Such schools were often built of a mix of materials in which timber, corrugated iron and asbestos were dominant. These temporary schools were by definition never intended to serve as permanent schools and nor was there the understanding at the time of the health hazards posed by materials such as asbestos. However many of these schools have in fact assumed a lifespan many years longer than what was originally intended but now have to be replaced and in some instances urgently. The WCED U-AMP for 2012/13 estimated that the number of schools requiring replacement to be 178. The 25 replacement schools to be funded and implemented via ASIDI therefore constitute a significant contribution to backlog eradication, especially given that WCED from own funds also plans to finance a further 21 replacement schools over the same period.

This IPIP outlines the key arrangements that WCED is putting in place to ensure the expeditious implementation of the ASIDI initiative in the Western Cape. The IPIP begins by clarifying the roles of the major implementing parties. It then goes on to address the scope of the programme, the strategies to be employed in achieving rapid and effective delivery, the estimated scheduling arrangements and associated cash flows, and monitoring and reporting arrangements. Moreover, the procurement strategy and the way in which the programme implementation process is to be mobilised and resourced is outlined.

### 1.2 ROLES AND RESPONSIBILITIES

The MoA for the implementation of the ASIDI programme within the Republic of South Africa entered into between the WCED and DBE spells out the roles of the parties.

#### 1.2.1 DBE FUNCTIONS

The DBE will inter alia: arrange for project finances to be available, provide prototype building designs and bills of quantity according to national planning guidelines; specify the list of projects by location to be prioritised for inclusion in the programme; assess and approve project plans; review monthly progress reports submitted by WCED; verify projects implemented; and, effect payments to WCED.

In addition to MoA requirements DBE will also make available an annexure to the ASIDI Portfolio Management Plan (Annexure K1) which will provide requirements from DBE regarding the design process and required involvement by DBE in the development of documentation. Any adjustments to such processes must be approved by DBE. In addition DBE has developed a social facilitation guideline which includes an organogram for the social facilitation function (Refer to Fig 1).

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### 1.2.2 WCED FUNCTIONS

In terms of the MoA with DBE, the WCED will take full responsibility and accountability for delivering the ASIDI schools in the Western Cape. Whilst WCED has appointed the WCDTPW to assist it in this regard, it must be stressed that WCED will be fully accountable for the implementation of the ASIDI programme. In exercising its mandate WCED will inter alia provide capacity for monitoring of projects, brief WCDTPW and assist where necessary in the briefing of Professional Service Providers. The WCED will approve drawings and regularly inspect sites. The WCED will also attend provincial planning monitoring team meetings and keep records of the day-to-day activities on projects including expenses of projects.

It is the function of WCED to keep DBE informed of developments, sign off on buildings completed and accept them on behalf of the province. WCED through WCDTPW will archive all as-built drawings; liaise with district authorities, School Governing Bodies, the community and other government departments in accordance with DBE social facilitation guidelines. WCED must also ensure that site access is available.

Furthermore, WCED is responsible where necessary for land acquisition and all associated functions including environmental impact studies and rezoning in collaboration with the WCDTPW Property Management Chief Directorate. If services such as water and electricity are required on site WCED will arrange with the relevant authorities to provide such services. WCED, in collaboration with WCDTPW, will also adapt the standard building plans and guidelines for the provision of public school infrastructure as appropriate. WCED will carry overall responsibility for the implementation of the programme, (including its planning and execution) and, with the WCDTPW, be involved in PSP appointments and contractor procurement. It will manage programme management costs, and review and report on capital cash flow requirements and manage implementation specifically in terms of scope, time, quality and cost management.

The WCED, in collaboration with WCDTPW, will check and approve payment certificates, chair coordination meetings, review reports submitted by project managers, manage progress through cash-flows, ensure targets are met and present adequate and accurate reports to the DBE. On completion the WCED will ensure effective programme close-out.

### 1.2.3 WCDTPW FUNCTIONS

WCDTPW will on instruction from WCED and in accordance with DBE/WCED directives undertake:

- Preliminary design of all replacement schools (land assembly, project execution plan, preliminary cost estimate) in accordance with guidelines from the client;
- Planning (concept design, design development, tender documentation);
- Project execution (construction, upgrading, refurbishment, maintenance);
- Project closure (close-out reports, as built drawings, post occupancy evaluation);
- Monitoring and Control activities to ensure appropriate risk management, quality and expenditure in line with project scheduling.

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WCDTPW will also provide advice, approve drawings and manage quality control of capital projects undertaken.

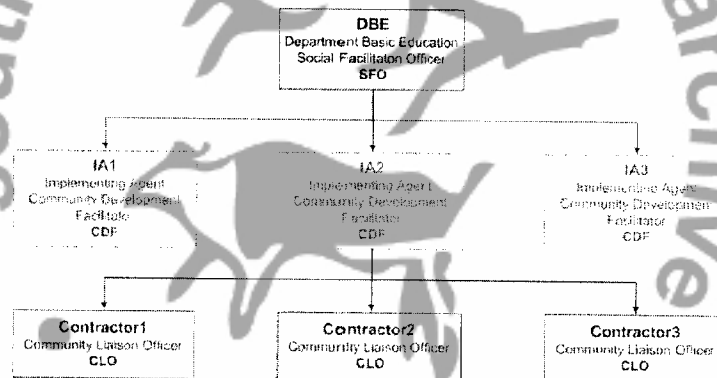
The WCDTPW project implementation cycle is aligned with the National Cabinet MTEF. The general and by now established organisational roles and responsibilities within both WCED and WCDTPW are executed within the Accounting Officer System Framework and delegations.

A Service Delivery Agreement (SDA) between the WCED and WCDTPW has been in place since 2006 and forms the basis for cooperation between the two departments in the interest of effective, economical, and efficient delivery of Education infrastructure. The current amended version of the SDA was signed in 2011.

With reference to the DBE Annexure K1, as mentioned before, allowance has been made in this IPIP for meeting its prescripts. The design and development process will be concluded accordingly by, and in alignment with, the provisions and requirements of the Western Cape Government IDMS as jointly applicable to WCED and WCDTPW responsible for the implementation of infrastructure.

### 1.3 SOCIO-ECONOMIC DELIVERABLES

The DBE is in the process of developing a social facilitation guideline that will form part of the PMP. A proposed organogram for the social facilitation function is given in Fig. 01.



#### REMUNERATION

- The SFO is in the service of the DBE and will be remunerated by the DBE
- The CDF will be in the service of the IA. Cost associated with the function should be included in the costing of the IA.
- The CLO will be in the service of the contractor. The Bills of Quantities should provide an item where the contractor can price for this service.

P005 Fig. 01 Community Liaison Structure  
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Fig 01: Community Liaison Structure

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WCED is responsible to ensure that they have a CDF that can:

- Communicate with the communities before the contractor is appointed and after the contractor has left;
- Communicate with the SFO of the DBE and clarify procedures and requirements;
- Define the contractual requirements for payment and functions of the CLO in the tender documents and,
- Structure and monitor communication between the CDF and CLO.

WCED's preferred implementing agent, the WCDTPW, pursues its delivery brief in accordance with client specifications and in accordance with national socio-economic goals such as Black Economic Empowerment (BEE) and employment equity.

As described in Preferential Procurement Implementation Plan (April 2003) of the Department of Transport and Public Works, each capital project with an original cost estimate of more than R10m is subjected to an Empowerment Impact Assessment. The Empowerment Impact Assessment focuses on HDI economic empowerment, job creation, maximisation of local economic opportunities, and training. Training is provided via the Learnership 1000 Programme and National Youth Service Programme, facilitated by the EPWP chief directorate.

Moreover, the Department makes it mandatory for all construction enterprises doing business with the DTPW to register with the Building Industry Bargaining Council in order to protect labourers and employees on construction sites against exploitation.

## **2. THE ASIDI SCHOOLS PROJECT**

### **2.1. ASIDI PROGRAMME SCOPE**

A MOA has been formulated between the DBE and the WCED in order to ensure the provision of implementation services on the list of projects as approved by the DBE Director-General; and, to ensure the effective monitoring of the implementation of projects in the ASIDI programme.

The ASIDI Programme initially identified 14 schools and a budget of approximately R541 million with an eventual increase to 25 schools at an estimated R 935 million in total. The target date for construction completion of the first 14 schools is at the end of the 2013 calendar year for occupation at the start of the school term in January 2014. Of the fourteen (14) schools, eleven (11) are located in the Cape Town Metropole, one (1) in West Coast, one (1) in Overberg and one (1) in Eden and Central Karoo, as indicated in the table below.

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No	National EMIS number	Province	IA	School Name	District	Municipal Area/ Suburb	Cluster	Total project cost (R)	Fin-Year/In progress
1	105310546	Western Cape	DTPW	Delta PS	Metro South	Steenberg	A1	R 35 574 000	2012/13
2	105490490	Western Cape	DTPW	Die Duine PS	Metro South	Lotus River	A1	R 37 259 000	2012/13
3	106007098	Western Cape	DTPW	Sophumelela SS	Metro South	Weltevreden Valley	A1	R 25 249 000	2012/13
4	115330191	Western Cape	DTPW	Hawston PS	Overberg	Hawston	A2	R 36 620 000	2012/13
5	105480428	Western Cape	DTPW	Heideveld PS	Metro Central	Heideveld	A3	R 37 667 000	2012/13
6	103323810	Western Cape	DTPW	Kensington SS	Metro Central	Kensington	A3	R 42 534 000	2012/13
7	105480630	Western Cape	DTPW	Portia PS	Metro Central	Lansdowne	A3	R 32 957 000	2012/13
8	101320544	Western Cape	DTPW	Kasselsvlei PS	Metro North	Bellville South	A4	R 43 810 000	2012/13
9	102480851	Western Cape	DTPW	Valhalla PS	Metro North	Valhalla Park	A4	R 43 369 000	2012/13
10	103007218	Western Cape	DTPW	Sophakama PS	Metro North	Milnerfontein	A4	R 34 491 000	2012/13
11	119353019	Western Cape	DTPW	Knysna SS	Eden / Central Karoo	Knysna	A5	R 33 767 000	2012/13
12	132470600	Western Cape	DTPW	Wesfleur PS	Metro North	Atlantis	A6	R 54 660 000	2012/13
13	132470414	Western Cape	DTPW	Parkview PS	Metro North	Atlantis	A6	R 35 269 000	2012/13
14	133470619	Western Cape	DTPW	Willemsvallei PS	West Coast	Porterville	A6	R 47 537 000	2012/13
<b>Total Estimated Cost</b>								<b>R 540 763 000</b>	

ASIDI, using the CSIR as a service provider, has undertaken substantial and very useful scoping analyses of the various project sites and come up with specific proposals and designs (based on standard designs) for each of the 25 schools. These analyses form the basis of ASIDI's budget allocations for the initiative. The scoping and the designs proposed have been reviewed in some detail by both the WCED and its implementing agent the WCDTPW.

As far as scope is concerned WCED's analysis of the ASIDI (CSIR) proposals does reveal some differences of opinion re scope. However, whilst there is some variation from school to school, overall the total facilities estimates do not differ much. The table below provides a summary of differences between the CSIR and WCED analyses in respect of classrooms needed. This is drawn from Annexure E (appended) which provides a comprehensive comparative analysis of facilities estimates between the CSIR and the WCED. Detailed explanations of the WCED recommendations are provided in the notes.

No	National EMIS number	Province	IA	School Name	District	Municipal Area/ Suburb	Cluster	Total project cost (R)	Fin-Year/na ppro
1	105310546	Western Cape	DTPW	Delta PS	Metro South	Steenberg	A1	R 35 574 000	2012/13
2	105490490	Western Cape	DTPW	Die Duine PS	Metro South	Lotus River	A1	R 37 259 000	2012/13
3	106007098	Western Cape	DTPW	Sophumelela SS	Metro South	Weltevreden Valley	A1	R 25 249 000	2012/13
4	115330191	Western Cape	DTPW	Hawston PS	Overberg	Hawston	A2	R 36 620 000	2012/13
5	105480428	Western Cape	DTPW	Heideveld PS	Metro Central	Heideveld	A3	R 37 667 000	2012/13
6	103323810	Western Cape	DTPW	Kensington SS	Metro Central	Kensington	A3	R 42 534 000	2012/13
7	105480630	Western Cape	DTPW	Portia PS	Metro Central	Lansdowne	A3	R 32 957 000	2012/13
8	101320544	Western Cape	DTPW	Kasselsvlei PS	Metro North	Bellville South	A4	R 43 810 000	2012/13
9	102480851	Western Cape	DTPW	Valhalla PS	Metro North	Valhalla Park	A4	R 43 369 000	2012/13
10	103007218	Western Cape	DTPW	Sophakama PS	Metro North	Milnerton	A4	R 34 491 000	2012/13
11	119353019	Western Cape	DTPW	Knysna SS	Eden / Central Karoo	Knysna	A5	R 33 767 000	2012/13
12	132470600	Western Cape	DTPW	Westleur PS	Metro North	Atlantis	A6	R 54 660 000	2012/13
13	132470414	Western Cape	DTPW	Parkview PS	Metro North	Atlantis	A6	R 35 269 000	2012/13
14	133470619	Western Cape	DTPW	Willemsvallei PS	West Coast	Porterville	A6	R 47 537 000	2012/13

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No	National EMIS number	Province	IA	School Name	District	Municipal Area/ Suburb	Cluster	Total project cost (R)	Fin-Year/Ina ppro
15	105311286	Western Cape	DTPW	Voorspoed PS	Metro Central	Hanover Park	B1	R 42 527 000	2013/14
16	105313610	Western Cape	DTPW	Mount View PS	Metro Central	Hanover Park	B1	R 32 708 000	2013/14
17	105480762	Western Cape	DTPW	Silverstream PS	Metro Central	Manenberg	B2	R 40 264 000	2013/14
18	105480763	Western Cape	DTPW	Red River PS	Metro Central	Manenberg	B2	R 35 382 000	2013/14
19	101323039	Western Cape	DTPW	Scottsdene SS	Metro East	Kuils River	B3	R 37 011 000	2013/14
20	103007218	Western Cape	DTPW	Tygersig PS	Metro North	Goodwood	B4	R 39 915 000	2013/14
21	102480711	Western Cape	DTPW	Rosewood PS	Metro North	Goodwood	B4	R 30 844 000	2013/14
22	188000293	Western Cape	DTPW	Delft South PS	Metro North	Delft	B5	R 31 655 000	2013/14
23	103007995	Western Cape	DTPW	Du Noon PS	Metro North	Du Noon	B6	R 42 330 000	2013/14
24	114333336	Western Cape	DTPW	Swartberg SS	Overberg	Caledon	B7	R 25 288 000	2013/14
25	132470562	Western Cape	DTPW	Vooruitsig PS	West Coast	Darling	B8	R 35 962 000	2013/14
<b>Total Estimated Cost</b>								<b>R934 461 000</b>	

The variation at some of the schools is quite extensive. For example at Westfleur Primary, CSIR proposes 51 classrooms whereas the WCED estimate is 33. At the other end of the spectrum at Portia Primary CSIR proposes 19 classrooms whereas WCED recommends 25. The reason in the case of Portia has to do with the fact that anticipated school closures (of other schools) in the same area are likely to boost enrolments at Portia. WCED has recently completed an analysis of all schools in the Province in respect of utilisation patterns over time.

This analysis has been coupled to a spatial analysis of every school in relation to schools around it. This has led to a number of recommendations regarding the classification of schools in size terms and the rationalisation of the overall stock of schools. The main implication of the study is that the long term vision for some of the ASIDI schools is not just replacement, but also some expansion - usually to deal with learners from underutilised

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schools in the vicinity. Schools affected this way are highlighted in bold in (and via a \*) in Annexure E (Kasselsvlei PS, De Duine PS, Portia PS, and Heideveld PS). It should be stressed however that in other instances (e.g. Wesfleur) the substantial reduction in numbers of classrooms required as proposed by WCED, also derives from the application of norms and standards and utilisation analysis and the proposals that flow from it.

The important point is that the estimate of the overall/total number of classrooms required across all schools is almost the same. The CSIR total for ordinary classrooms is 409 and that of WCED 386. For Grade R classrooms however the total number for CSIR is 15 classrooms and for WCED 34. It follows therefore that the budget allocation across the whole initiative is likely to be sufficient and it is proposed that notwithstanding variations from school to school, that WCED and its implementing agent strive to manage the entire initiative within the total budget parameter already given. The MOA already makes general provision for the case by case consideration of scope, concept design and budget (items 7.2.8. and 11.8.1) and it is proposed that such case by case consideration occurs at the concept design stage. At the same time implications deriving from the application of different standards can also be considered as well as departures from standard designs.

It should also be stressed that within the next month WCED plans to check all of its recommendations and those of the CSIR in situ, and in discussion with affected schools. It is proposed that this is the point at which the debate about scope is closed. WCED will immediately inform ASIDI of the outcomes of these consultations and it may be desirable if ASIDI also attends these in situ investigations if time and resources allow.

## 2.2. STANDARD DESIGNS

As far as issues around standard designs are concerned it should be noted WCED requested WCDTPW to assess the feasibility of applying the standard designs on existing sites as well as looking at the implications of applying WCED standards as opposed to DBE standards (because the former are obviously shaped by local circumstances). Detailed analyses have been conducted in respect of both issues. The main conclusions are as follows.

Firstly, application of the DBE standard designs is substantially constrained by site conditions especially given that with replacement of existing learners and buildings have to be accommodated in a sometimes complex in situ process.

Secondly, the comparative analysis of accommodation schedule standards shows that if anything, application of WCED standards will allow slightly cheaper delivery of infrastructure. If this is the case it follows that WCED standards should be used because of their greater contextual specificity and the fact that they are affordable.

Moreover because of design specificities in the Western Cape, WCED is of the view that 'successful' designs used in previous projects be used and adapted to meet local site circumstances. This is already established practice and will not be difficult to implement which is important given the need for urgent implementation. In any event WCED confirms that design issues will not be allowed to delay implementation or lead to unreason-

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able budget escalations. Moreover the case by case consideration of designs and budgets referred to above, will allow the resolution of any issues in this regard.

The WCED and DTPW held a meeting with Mr John Copson, representative of DBE for ASIDI, to discuss and reach agreement on the designs with regard to variances between DBE and Western Cape norms and standards. The meeting concluded as follows:

- The accommodation schedule allows for the provision of all WCED current requirements
- Grade R requirements were confirmed, including paraplegic toilets, allowing for adequate storage and sharing of ablution/store/kitchen/sick room facilities, similar to WCEDs Grade R plans.
- Hospitality studies accommodation provided for in WCED standards is omitted for secondary schools.

Furthermore the meeting concluded by confirming that funds may be moved between the budgets of schools by full motivation and DBE approval. Additional ancillary accommodation such as caretaker rooms, security guard rooms, jungle gyms and feeding kitchens are subject to the budget constraints. An SDP will be available at the end of Stage 2. Finally, cavity walls allowing for the for the winter rainfall climate will be provided as well as gas for the feeding kitchens. Smaller halls are limited to the R2 million budget and a larger halls must be contained within a R2.5 million limit.

WCED/DTPW submitted a document detailing the scope thereof (refer Annexure F).

### **2.3. TIME MANAGEMENT**

The original time of completion tabled by DBE was 31 March 2013. However, the time required for effective planning and design as well as for making the final agreements has extended the completion date for the first 14 schools to 31 March 2014. To meet the original delivery requirement the programme would have had to have been initiated about a year ago. The reasons for not being able to start in 2011 have been discussed with the parties concerned.

There are several matters concerning the delays and related mitigating actions.

1. The time frames from the beginning of the project, given the nature of the construction required, were known to be not achievable.
2. A project schedule has been developed (refer to the Critical Path in Annexure G). This detailed MS Project execution plan shows the critical path for the project. Note that the plan is constantly being revisited in order to identify additional acceleration points.
3. Furthermore the projects are complex, requiring decanting and temporary facility planning, without compromising on quality.

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#### 2.4. ASIDI DELIVERY STRATEGY: PRIORITISING DELIVERY

The WCED and its implementing agent WCCTPW acknowledge the urgency of the ASIDI programme and commit to accelerated delivery via the following actions:

1. Getting top management decisions and support in advance to ensure speedy work processes amongst all departments (in particular reference to SCM policies), including possible direct intervention by the Accounting Officer if needed.
2. Appointing consultants that have proven their ability to successfully manage past projects, and have knowledge of departmental policies and procedures to mitigate delays due to inexperienced consultants having to learn these procedures.
3. Utilising repeat designs that are constantly perfected to reduce professional fees and facilitate rapid delivery.
4. The appointment of appropriately registered contractors to construct buildings and other related infrastructure.
5. Packaging construction contracts in order to attract higher graded contractors who pose lower risk for delivery due to capacity and capability and result in lower cost due to economies of scale.
6. Consultation with schools, communities and all other critical stakeholders during the planning phase and construction period, especially where learner relocation is involved.
7. Constant management and monitoring of the external professional team by the internal professional team and making rational but speedy decisions.
8. Ensuring the availability of competent delivery-focused supply chain management personnel, as well as sufficient administrative and built sector professionals and practitioners within the public service.
9. Seeking out readily available highly competent and diligent private sector construction enterprises and built sector professionals that are eager and have a proven track record to deliver.
10. Adding single projects in the outlying regions to existing clusters of projects. A special request will be made to Provincial Treasury for approval where the expansion of an existing contract exceeds 20%.
11. Utilizing site and school survey information supplied by the DBE.
12. Confirming broad compliance with the design guidelines and standard plans provided by DBE and include them during briefing of consultants.
13. Proceeding immediately with the acquisition of additional site information pertaining to each school, including existing aerial photographs, Surveyor General diagrams, existing building plans and the Title Deeds for each school to confirm ownership (WCCTPW has already started with this).

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### 3. ESTIMATED CASH FLOW PROJECTIONS FOR THE ASIDI PROGRAMME

It should be noted that cash flows and project and programme scheduling presented in this and subsequent sub-sections is based on the original scoping of the project by DBE (via CSIR). Obviously such estimations will be revised, elaborated and tightened as programme and project specifications firm up.

No	Project Name	2012/2013	2013/2014	2014/2015	2015/2016	TOTAL
1	Delta PS	R 7 471 000	R 27 748 000	R 355 000	R 0	R 35 574 000
2	Die Dune PS	R 7 824 000	R 29 062 000	R 373 000	R 0	R 37 259 000
3	Sophumelela SS	R 5 302 000	R 19 694 000	R 253 000	R 0	R 25 249 000
4	Hawston PS	R 7 690 000	R 28 564 000	R 366 000	R 0	R 36 620 000
5	Heideveld PS	R 7 910 000	R 29 380 000	R 377 000	R 0	R 37 667 000
6	Kensington SS	R 8 932 000	R 33 177 000	R 425 000	R 0	R 42 534 000
7	Portia PS	R 6 921 000	R 25 706 000	R 330 000	R 0	R 32 957 000
8	Kasselsvlei PS	R 9 200 000	R 34 172 000	R 438 000	R 0	R 43 810 000
9	Valhalla SS	R 9 107 000	R 33 828 000	R 434 000	R 0	R 43 369 000
10	Sophakama PS	R 7 243 000	R 26 903 000	R 345 000	R 0	R 34 491 000
11	Knysna PS	R 7 091 000	R 26 338 000	R 338 000	R 0	R 33 767 000
12	Westfleur PS	R 11 479 000	R 42 635 000	R 546 000	R 0	R 54 660 000
13	Parkview PS	R 0	R 7 406 000	R 27 510 000	R 353 000	R 35 269 000
14	Willemsvlei PS	R 0	R 9 983 000	R 37 079 000	R 475 000	R 47 537 000
15	Voorspoed PS	R 0	R 5 310 000	R 19 725 000	R 253 000	R 25 288 000
16	Mount View PS	R 0	R 6 869 000	R 25 512 000	R 327 000	R 32 708 000
17	Silverstream PS	R 0	R 8 455 000	R 31 406 000	R 403 000	R 40 264 000
18	Red River PS	R 0	R 7 430 000	R 27 598 000	R 354 000	R 35 382 000
19	Scottsdale SS	R 0	R 7 772 000	R 28 869 000	R 370 000	R 37 011 000
20	Tygersig PS	R 0	R 8 383 000	R 31 134 000	R 399 000	R 39 915 000
21	Rosewood PS	R 0	R 6 477 000	R 24 058 000	R 309 000	R 30 844 000
22	Delft South PS	R 0	R 6 648 000	R 24 691 000	R 316 000	R 31 655 000
23	Du Noon PS	R 0	R 8 889 000	R 33 017 000	R 424 000	R 42 330 000
24	Swartberg SS	R 0	R 9 200 000	R 34 172 000	R 438 000	R 43 810 000
25	Vooruitsig PS	R 0	R 7 243 000	R 26 903 000	R 345 000	R 34 491 000
	<b>Totals</b>	<b>R 113 559 000</b>	<b>R 504 471 000</b>	<b>R 312 493 000</b>	<b>R 3 938 000</b>	<b>R 934 461 000</b>

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#### 4. ASIDI IMPLEMENTATION PROGRAMME

Task name	% complete	Duration	Start	Finish
<b>ASIDI SCHOOL PROJECT PROGRAMME</b>	<b>8%</b>	<b>578.5 days</b>	<b>Tue 12/06/28</b>	<b>Thu 14/10/13</b>
Stage 0 - Inception (incl appointments)	85%	48 days	Tue 12/05/29	Thu 12/08/02
Consultant Appointments (PSP's)	100%	21 days	Mon 12/06/25	Mon 12/07/23
Consultant's Briefing	0%	0.5 days	Thu 12/07/26	Thu 12/07/26
Site Visit + Community Briefing	0%	5 days	Fri 12/07/27	Thu 12/08/02
Professional Services	0%	530.5 days	Fri 12/08/03	Mon 14/10/13
Stage 1 - Appraisal + Definition	0%	11 days	Fri 12/08/03	Mon 12/08/20
Stage 2 - Design Concept	0%	15 days	Tue 12/08/21	Mon 12/09/10
Stage 3 - Design Development	0%	15.5 days	Tue 12/09/11	Tue 12/10/02
Stage 4.1 - Technical Documentation	0%	19 days	Tue 12/10/02	Mon 12/10/29
Stage 4.2 - Tender Stage	0%	34 days	Fri 12/10/26	Thu 12/12/13
Contractual Obligations (during builders holiday)	0%	4 days	Tue 12/12/11	Mon 13/01/14
Stage 5.2 - Construction Period	0%	233 days	Mon 13/01/14	Thu 13/12/12
Site Handover	0%	5 days	Mon 13/01/14	Mon 13/01/21
Construction	0%	228 days	Mon 13/01/21	Thu 13/12/05
Practical Completion	0%	0 days	Thu 13/12/05	Thu 13/12/05
Stage 5.3 - Contract Completion	0%	180 days	Thu 13/12/05	Thu 14/09/11
Works Completion	0%	12 days	Thu 13/12/05	Mon 14/01/20
Defects Liability Period	0%	90 days	Mon 14/01/20	Mon 14/05/26
Final Account	0%	60 days	Tue 14/05/27	Tue 14/08/28
Stage 6 - Debriefing / Close Out	0%	12 days	Thu 14/08/28	Mon 14/09/15

The WCDTPW immediately started with the implementation and planning for the 2012/13 roll-out when notified at the end of May 2012. A Work Breakdown Structure (WBS) indicating detailed task information, critical path items and assigned resources are attached (refer Annexure G). Reporting and approval milestones are included in the WBS.



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## 5. CONSTRUCTION PROCUREMENT STRATEGY

### 5.1. ASIDI CONSTRUCTION PROCUREMENT STRATEGY

Various procurement strategies have been considered, including Term Contracts, Framework Contracts and Design by Employer Strategies of which the latter is applied to the ASIDI programme, as per the IDMS. Framework contracts will not be considered for the ASIDI Programme in this financial year because they are not considered appropriate for the types of projects being implemented. Project packaging will however be undertaken.

As far as form of contract is concerned, WCDTPW intends to utilise the Joint Building Contracts Committee (JBCC) Principal Building Agreement Edition 4.1 Code 2101 of March 2005, which is the current standard familiar to all role players. The current WCDTPW Procurement documents version 10.3 includes the relevant JBCC clauses and is utilised due to the accelerated nature of the ASIDI programme.

The procurement strategy adopted aligns with the prescripts of the CIDB.

The conditions of appointment of professional service providers will be based on the conditions recommended by the professional council for the specific disciplines in the South African construction industry.

### 5.2. PSP APPOINTMENT AND STANDARD CONDITIONS OF CONTRACT

PSP appointments will be based on the conditions as specified by the relevant Professional Council/s. WCDTPW will provide a list of proposed consultants to DBE as selected by WCDTPW in terms of stipulated Provincial and Departmental procurement provisions. A list of typical fees is attached as per Annexure H.

Further reports and site supervision, including where necessary geotechnical investigations and foundation inspections, will be available as is the practice for all programmes.

The list of consultants, and typical professional fees is attached as Annexure H. The fees will be based on the relevant professional council guidelines, including negotiation when repeat designs are utilised.

### 5.3. PACKAGING THE WORK

In consultation with the WCED, WCDTPW will endeavour, where possible, and in line with the IDMS, to establish project "packages" (refer to Annexure A) by balancing factors such as:

- geographical spread of projects;
- desired maximum value of contract;
- the technical mix of the work;

- desire to avoid any complexities in technical, contractual or logistical interfaces between contracts;
- marketability i.e. attractiveness of the packages to the market;
- use of specialist contractors;
- use of large main contractors to manage and mentor small contractors;
- secondary procurement objectives (viz. BBBEE, EPWP, job creation, enterprise development within the construction industry, etc.)

The school projects are grouped into contracts to ensure delivery by contractors with the appropriate GB grading.

#### 5.4. SPECIAL CONDITIONS

The Principal Agent is the lead consultant of the consulting team overseeing main contractors appointed to build replacement schools. The following special conditions of contract will be applicable to the Principal Agent (PA):

1. A project quality plan, prepared by the PA, will be submitted to WCDTPW for approval;
2. The PA will ensure that the special conditions of tender include the submission of an MS Project (or WBS) plan.

The following special conditions will be applicable to the main contractor:

1. The contractor will be required to submit a construction programme.
2. The tender will be evaluated on the basis of, but not limited to, the construction programme.
3. The PA after award and upon consultation with the WCDTPW will have the authority to instruct the contractor to make changes to the contract.
4. Should the contractor be 10 working days or more behind schedule on the project critical path, then the PA, after consultation with the WCDTPW, has the authority to instruct the contractor to increase resources as may be required by the PA.
5. The contractor will provide material samples as specified in the tender documents.
6. The contractor is to request inspections on items specified in the tender documents by a specified member of the professional team at least 24 hours before the inspection is required.
7. The contractor is to submit bi-weekly progress reports including an MS Project critical path program, showing measures to mitigate delays and meet the original date of completion.
8. The contractor is to submit for approval by the PA the CVs of proposed individuals who shall act as SHE and quality managers, independent from the

contractor's site representative. These individuals shall be available on site for at least 30% of their time.

## **6. PROGRESS AND PERFORMANCE MONITORING**

### **6.1. MANAGEMENT OBJECTIVES**

1. Complete the 25 ASIDI schools programme within budget (R935m), on time (as shown in the table above) and meeting the quality specifications.
2. To limit the disruption of learners as much as possible ensuring that no complaints are received.
3. Ensure that all the CIDB prescripts are complied with.
4. To ensure that the strategic objectives of the Province (economic development, improving educational outcomes) etc are complied with in the construction of the schools.

Further objectives are contained in the text (eg progress reporting, risk management, community liaison, SHE appointments, etc).

### **6.2. REPORTING TO THE CLIENT DEPARTMENT (DBE)**

WCED will submit monthly progress against programme and cash flow reports to DBE. Such reports will be submitted before the 15th day of each month and will report on the previous month (for example a report submitted before 15 February will report on January).

Such reports will also note important issues/developments on the projects as well as providing a brief qualitative assessment of progress. In addition to formal reporting, WCED's Programme Manager for the ASIDI initiative will actively liaise with a designated ASIDI official to be appointed by DBE. The client (DBE) will also be at liberty to attend any internal (WCED/WEF) meeting convened to manage the ASIDI programme.

### **6.3. INTERNAL REPORTING ARRANGEMENTS**

Internal reporting on ASIDI (involving WCED and WCDTPW) will be integrated in established reporting arrangements. Such reporting occurs:

- Fortnightly at project team/site meetings;
- Fortnightly at CAPEX Meetings;
- Fortnightly at Financial and Strategic Meetings;
- Monthly at the Interdepartmental Control Meetings;

The dedicated programme manager in both WCED and WCDTPW as well as individual project managers managed by WCDTPW will have overall responsibility for quality assurance, scope, time and cost management. Individual project managers will be

required to visit and hold site meetings at least monthly or more frequently where circumstances demand.

The meetings will have two components in terms of matters handled. One component will address technical matters and will be attended to by the Project Manager and the contractor. The Project Manager will carry out an evaluation of work done and prepare payment certificates when appropriate. The second component will address progress and social issues and will be attended to by the Project Manager and a Project Steering Committee which will be established for the project.

## **7. MANAGEMENT PLANS**

### **7.1. HUMAN RESOURCING PLAN**

WCED has accorded the successful implementation of the ASIDI programme highest priority. Such implementation will be driven from the Department's Infrastructure Planning and Management Directorate. This Directorate is headed by a Director Infrastructure Planning and Management. The Director will be the WCED official accountable for ensuring the delivery of the ASIDI initiative. The current Director Ms Lesline Mc Glenatendolf is a qualified quantity surveyor with many years of experience in the construction sector.

The Directorate of Infrastructure Planning and Management is further subdivided into two main sections, one dealing with Programme Management and the other with Infrastructure Planning. The Programme Management Section is comprised of four Programme Managers all with built environment qualifications and a contingent of support staff. Because of the perceived importance of ASIDI, WCED has assigned one of the four programme managers as a dedicated resource to address the overall programme management of the ASIDI initiative. As such the dedicated programme manager will be the key "point person" for ASIDI within WCED. Mr Lucian Agulhas is the dedicated programme manager. He is a qualified project manager with built environment experience particularly in the public sector. Mr Agulhas will also receive support from the registered town planner and the registered quantity surveyor in the Infrastructure Planning section of the directorate (especially in respect project scoping and budget control issues).

The WCDTPW ASIDI manager is the Senior Manager Works Education Facilities. Mr Liam Thiel. Mr Thiel is an architect with many years of experience in the public sector and in particular the Education sector. The key point person for the ASIDI initiative within WCDTPW will be Mr Andre Nieuwoudt whose formal designation in WCDTPW is Chief Architect. As key point person in WCDTPW Mr Nieuwoudt's main counterpart in WCED will be Lucian Agulhas, WCED's key point person.

The Implementing Department's staff establishment as at 31 March 2012 is detailed in the table below.

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WCDTPW	Qualifications			Special Skills and Experience	
	Total	Project	Specialist	Ref Proj	Total Proj
Management	2	2	0		
Engineers	2	1	1	2	3
Architects	4	3	1	0	3
Quantity Surveyors	7	7	1	0	8
Technicians/ technologists	6	5	1		
Works Inspectors	26	25	1		
Admin staff	9	7	2		
	56	50	6		
3 Retired Professionals					
5 Contract Administration staff					
2 Contract Architects					
8 Contract Works Inspectors					
5 Masakhi 'Sizwe students/ Candidates/ Interns					

A dedicated team of professionals in WCDTPW has been appointed to facilitate and expedite the ASIDI programme.

Programme Manager	<p>Mr Andre Nieuwoudt, Chief Architect (SL12), Manager: Architects Profession Section. Andre qualified as an Architect in 1987 at the University of the Free State, Bloemfontein and started his career at Theunissen Jankowitz Architects in Harrismith, where he designed and managed a variety of projects ranging from office buildings, schools, tertiary education buildings and residential.</p> <p>Andre is a registered architect (PrArch) with the South African Council for the Architectural Profession and a member of the voluntary organization for Architects, Project managers, Engineers and Surveyors (APES). He obtained Professional Architect status in 1988 and proceeded to run and manage projects at Theunissen Jankowitz where his duties involved architectural design, project administration, site supervision and contract administration, until 1991 when he moved to Polokwane (Pietersburg), Northern Province and started his own practice in partnership with Piel Tempel under the banner of Tempel &amp; Nieuwoudt Architects where he was involved in the design of education and health facilities for the Northern Province Provincial Government.</p>
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	<p>Andre joined the Department of Transport and Public Works in November 2002- where he is currently employed as Chief Architect and manager of the architects profession services section and oversees a multi- million rand portfolio that includes Replacement of Inappropriate Structure schools, new schools and the Grade R classroom building programme. Andre has done advanced project management and financial management courses through the business school of the university of Stellenbosch since employed by the department.</p>
<p>Programme Coordination</p>	<p>Ms Jody Thomas; Architect: Qualified as an Architect in 2005 at the University of Cape Town and began work at the firm of Smuts and Boyes Architects in Cape Town the following year where she managed large scale projects from apartment complexes to office buildings and residential homes for the private sector.</p> <p>She obtained her Professional Architect status in 2007 on completion of her written exams and proceeded to run and manage projects at Smuts and Boyes where her duties involved architectural design, project administration, site supervision and contract administration.</p> <p>Jodie joined the Department of Transport and Public Works in September 2010 – where she is currently employed as an Architect in a Project Leader role and manages a R400 million portfolio that includes Replacement of Inappropriate Structure schools, new schools and the Grade R programme.</p>
<p>Budget and financial management</p>	<p>Ms Rene Kok, Quantity Surveyor: Qualified as a Quantity Surveyor in 2003 and was employed by Davis Langdon (Cape Town) in January 2004, where she managed key project teams and worked for a broad range of private sector Clients in South Africa. In 2007, she was promoted to a Team Leader at Davis Langdon Africa (Cape Town), managing key project teams and multi-million rand developments. At the end of March 2012, she resigned and left the employment of Davis Langdon. In April 2012, René joined the Department of Transport and Public Works as Assistant Manager, Quantity Surveying Directorate : Education Facilities.</p> <p>René is a Registered Quantity Surveyor (PrQS) with the South African Council for the Quantity Surveying Profession (SACQSP), she is a Professional Member (PMAQS) of the Association for South African Quantity Surveyors (ASAQS), she is an Associate Member (AA Arb) of the Association of Arbitrators Southern Africa (AASA) and she is a Professional Member (MRICS) of the Royal Institution of Chartered Surveyors (RICS)</p> <p>Her project expertise includes feasibility studies, contract documentation, cost planning, insurance claims, arbitration and litigation and cost management of public and private projects including engineering projects in South Africa and Africa. Her market sector experience is varied and includes offices, residential, retail, education facilities, industrial, and engineering pro-</p>

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	jects.
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The WCDTPW appoints a specialist SHE agent to deal with necessary requirements.

## 7.2. RISKMANAGEMENT PLAN

Almost all risks that are identified below relate to the implementation stage of the programme. The primary perspective in this analysis looks at the risk in not meeting contractual obligations, the risk to the organisation as a result of not meeting the contractual obligations and the possible risk to client relations.

Risk Statement	Impact	Probability	Mitigating Measures	Responsibility
Recruitment of technical and professional staff to WCED & WEF	M	M	Can continue for the first few months without these people	HR
Delay in transfer of funds from the Client	H	L	None are necessary	DBE
Delayed decision making turnaround times	H	M	Raise the decision-making level to the highest management levels	WCED
Inadequate preparation of community and consultants	H	L	CLOS and community structures must be well briefed. Consultants already briefed	WCDTPW
Poorly defined relations between the various role players in the programme.	H	L	Programme managers in all Departments have been appointed	WCED/WCDTPW
Project procurement delays	H	L	Already in progress	WCDTPW
Poor project designs	M	L	Previously used or standard designs employed	DBE/WCED/WCDTPW
Poor budgeting	H	L	Budgets have been approved, only the funding arrangements need approval	DBE/WCED
Poor quality of work by PDI's involved	M	L	Project quality is assured by contractors and PSPs	WCDTPW
Quality of performance of consultants	M	L	Experienced PSPs appointed	WCDTPW

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Risk Statement	Impact	Probability	Mitigating Measures	Responsibility
Building operations hampered by lack of site inputs such as water and power	M	L	Allowed for in the MOA	WCED
Cash flow arrangements with consultants and contractors	M	L	Mechanisms are in place	DBE/WCED
Fraud	L	L	PGWC procurement conditions followed	WCDEPW
Employment of specialist personnel in programme	H	M	Specialists are being contracted in if they cannot be recruited	WCDEPW
Labour conflicts	M	L	Procedures are in place	WCED/WCDEPW
Hardware or software failure:	L	L	Project Management systems will be used to monitor progress	WCDEPW
Inclement weather (rains etc)	L	L	Included in the special conditions of contract	WCDEPW
Adverse site conditions	M	L	Sites are existing. Little or no property management interventions required	WCED/WCDEPW
Access to site i.e. poor roads	L	L	These are existing sites with available access roads etc	WCED/WCDEPW
Theft and robbery on and off site	L	L	Contractors are required to secure all sites	PSP/ CONTRACTORS
Disruption of school calendar	L	L	Learners will be de-canted where required, with as little disruption as possible	PSP/ CONTRACTORS
Political issues in communities	L	L	Close communications with community structures	WCED/CDF/CLO

### 7.3. QUALITY MANAGEMENT PLAN

The purpose of the quality management plan is to define what quality control processes should be undertaken. It forms an integral part of the delivery of projects and programmes. The control of quality is in the first instance the responsibility of the professional team, and is assessed continuously throughout project delivery, to ensure conformance to quality specifications. Any deviations are dealt with through site instructions for remedial action. The works inspectorate is responsible for quality assurance on maintenance projects, and assists on selected projects. Within each project, the quality management plan will articulate what should be inspected, by whom, when and what is the measure that the quality has been achieved.

*RAV*

The programme management component of the quality management plan requires procedures to be established, together with the necessary approvals and delegated responsibilities and authorities, for aspects such as procurement, payment, reporting, documentation, financial control and scope management. There are a number of role players with various responsibilities related to site quality control. These are detailed as follows:

Designation	Organisation	Function	Frequency	Communication Route
Programme Manager	Internal	Quality Checks	Random	Via PM
Project Manager	Consultant	Quality Assurance	As per plan below	Line
Implementing Department	WEF	Audit quality management processes	Quarterly	As required
Principal Agent	PSP	Quality monitoring	Continuous	N/A
Contractor	Contractor	Quality management	Continuous	As required

The components of the quality control planning comprise defining the components of the work to be quality controlled such as:

Site survey Site earthworks Foundations Walling Structural components (e.g. load bearing bases, columns, suspended floors etc.) Roofing External finishes Internal finishes	Mechanical & electrical Plumbing External works (sewer, water and storm water lines, parking and landscaping etc) Service connections (water, electricity, sewer) Access Other
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Notwithstanding the above, in alignment with the JBCC, the contractor assumes responsibility for quality management. The PSPs will be responsible for the monitoring of compliance with quality standards.

Further components include: defining where within the layout the work component occurs; what quality control should be undertaken for each component of the works, an indication of how often the quality control checks should be carried out; the specification of who is responsible for quality control both internally within the contractor and externally by the client's representative; and, establishing a quality control schedule which will be used to document and monitor the progress of quality control within the project.

The quality control schedule should include all of the work components within a particular project, as well as the locations. Specialist inspections should also be identified and stipulated within the work programme- for example specialist inspection of proprietary water proofing or paint applications, specific structural inspections etc. If required, the application of ISO 9000 can be applied.

#### 7.4. COMMUNICATIONS PLAN

DBE will in due course provide details on what an ASIDI communications plan ought to entail. WCED will then produce such a plan and implement it (provided the kind of communication required is reasonable and does not involve major additional resource allocations).

#### 7.5. PROGRAMME MANAGEMENT COST

The bulk of the Programme Management cost will be carried by WCED (and its assistant WCDTPW). As previously described, significant Human Resource capacity from the existing staffing establishment has been made available to the ASIDI programme (in some instances on a dedicated basis). However the impact of the ASIDI programme on both WCED and WCDTPW will be to virtually double the current infrastructure implementation load.

As consequence of this extra loading and in order to manage risks and ensure that the programme is given top quality programme management support, it is proposed that DBE fund the following additional human resources specifically for the ASIDI Programme (and obviously only for the duration of the programme):

- A. **Overall Programme Management Oversight Consultant:** the intention here is to procure the services of a highly experienced and qualified built environment professional (or professional company) with substantial programme management experience to support the oversight role of WCED's dedicated Programme Manager for the ASIDI Programme (Mr Lucian Agulhas).

This professional (company) will have a time budget of 80 hours per month and will work closely WCED full-time Programme Manager in respect of all aspects of overall programme management (including scoreboard design, scoreboard

watching, intervening to deal with lagging performance or any emerging issue that potentially negatively affects performance, bringing all issues that require others to act to their attention, scoreboard reporting etc.).

It is envisaged that the consultant will together with the WCED Programme Manager plan all oversight activities on an annual, quarterly and monthly basis and assist in the execution of the plan. (Estimated cost: 30 months @ R80000 per month = R2,4 million) .

**B. Community Development Facilitator (CDF )**

Community issues and service delivery protests are becoming an ever increasing feature of the infrastructure delivery environment. Given the tight timeframes within which the ASIDI programme has to be delivered, delays due to community issues must be dealt with efficiently and expertly. As a consequence it is envisaged that an experienced CDF (reporting to WCED's ASIDI Programme Manager) be appointed on a contract basis (estimated cost : 30 months @ R35 000 per month = R1,05 million

**C. Additional ASIDI technical resources required by WCDTPW include the following:**

	Resource	Estimated cost (to programme completion)		
		Fye 2013	Fye 2014	Fye 2015
2	Architects	400 000	800 000	800 000
2	Architectural technologist	200 000	400 000	400 000
2	Quantity Surveyors	400 000	800 000	800 000
4	Building inspectors	400 000	800 000	800 000
2	Programme administrators	150 000	300 000	300 000

The total resource cost estimate is R7,75 million or less than 1% of the total spend.

**8. GREEN BUILDING**

The Provincial Government of Western Cape, through the Western Cape Department of Transport and Public Works, has recently joined the Green Building Council South Africa as a member. The aim is to apply Green Design principles as far as possible on new building projects, and ideally achieve the equivalent of a Four Star Green rating.

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ANNEXURE A



*PAW 1/25/2011*



ANNEXURE A: LIST OF SCHOOLS GROUPED INTO CONTRACTS

Package No.	Project No.	Category of spend / Project Name	Delivery Management Strategy			Contracting arrangements strategy for work			Procurement arrangement for works			
			Meet needs through proposition	Programme / Projects	Packaging type	Contracting Strategy	Pricing Strategy	Form of Contract	Quality Strategy	Procurement Arrangements	Targeted Procurement Strategy	Evaluation procedure
A1		Delta PS, Die Duine PS and Sophumelela SS	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area – Metro South	Design by Employer	Bills of Quantities	JBCC Principal Building Agree- Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference
A1	WE 514202/ 2012	Delta Primary School	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area – Metro South	Design by Employer	Bills of Quantities	JBCC Principal Building Agree- Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference
A1	WE 514220/ 2012	Die Duine Primary School	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area – Metro South	Design by Employer	Bills of Quantities	JBCC Principal Building Agree- Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference
A1	WE 514188/ 2012	Sophumelela Secondary School	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area – Metro South	Design by Employer	Bills of Quantities	JBCC Principal Building Agree- Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference
A2	WE 514211/ 2012	Hawston Primary School	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area – Hawston	Design by Employer	Bills of Quantities	JBCC Principal Building Agree- Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference

Package No.	Project No.	Category of spend / Project Name	Delivery Management Strategy			Contracting arrangements strategy for work			Procurement arrangement for works			
			Meet needs through proposition	Programme / Projects	Packaging type	Contracting Strategy	Pricing Strategy	Form of Contract	Quality Strategy	Procurement Arrangements	Targeted Procurement Strategy	Evaluation procedure
A3		Heideveld PS, Kensington SS and Portia PS	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area – Metro Central	Design by Employer	Bills of Quantities	JBCC Principal Building Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference
A3	WE 514247/2012	Heideveld Primary School	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area – Metro Central	Design by Employer	Bills of Quantities	JBCC Principal Building Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference
A3	WE 514229/2012	Kensington Secondary School	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area – Metro Central	Design by Employer	Bills of Quantities	JBCC Principal Building Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference
A3	WE 514238/2012	Portia Primary School	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area – Metro Central	Design by Employer	Bills of Quantities	JBCC Principal Building Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference
A4		Kosselsvlei PS, Sophakama PS and Valhalla PS	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area – Metro North	Design by Employer	Bills of Quantities	JBCC Principal Building Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference

Package No.	Project No.	Category of spend / Project Name	Delivery Management Strategy			Contracting arrangements strategy for work			Procurement arrangement for works			
			Meet needs through proposition	Programme / Projects	Packaging type	Contracting Strategy	Pricing Strategy	Form of Contract	Quality Strategy	Procurement Arrangements	Targeted Procurement Strategy	Evaluation procedure
A4	WE 415286/2012	Kosselsvlei Primary School	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area - Metro North	Design by Employer	Bills of Quantities	JBCC Principal Building Agree-Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference
A4	WE 514295/2012	Sophakama Primary School	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area - Metro North	Design by Employer	Bills of Quantities	JBCC Principal Building Agree-Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference
A4	WE 514266/2012	Voihalla Primary School	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area - Metro North	Design by Employer	Bills of Quantities	JBCC Principal Building Agree-Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference
A5	WE 514307/2012	Knysna Secondary School	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area - Knysna	Design by Employer	Bills of Quantities	JBCC Principal Building Agree-Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference
A6		Parkview PS, Westluer PS and Willemsvlei PS	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area - West Coast	Design by Employer	Bills of Quantities	JBCC Principal Building Agree-Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference

Package No.	Project No.	Category of spend / Project Name	Delivery Management Strategy			Contracting arrangements strategy for work			Procurement arrangement for works			
			Meet needs through proposition	Programme / Projects	Packaging type	Contracting Strategy	Pricing Strategy	Form of Contract	Quality Strategy	Procurement Arrangements	Targeted Procurement Strategy	Evaluation procedure
A6	WE 514335/2012	Parkview Primary School	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area – West Coast	Design by Employer	Bills of Quantities	JBCC Principal Building Agree-Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference
A6	WE 514326/2012	Westluer Primary School	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area – West Coast	Design by Employer	Bills of Quantities	JBCC Principal Building Agree-Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference
A6	WE 514344/2012	Willemsvallei Primary School	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area – West Coast	Design by Employer	Bills of Quantities	JBCC Principal Building Agree-Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference
B1		Voorspoed PS and Mount View PS	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area – Hanover Park	Design by Employer	Bills of Quantities	JBCC Principal Building Agree-Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference
B1	To be confirmed	Voorspoed Primary School	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area – Hanover Park	Design by Employer	Bills of Quantities	JBCC Principal Building Agree-Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference

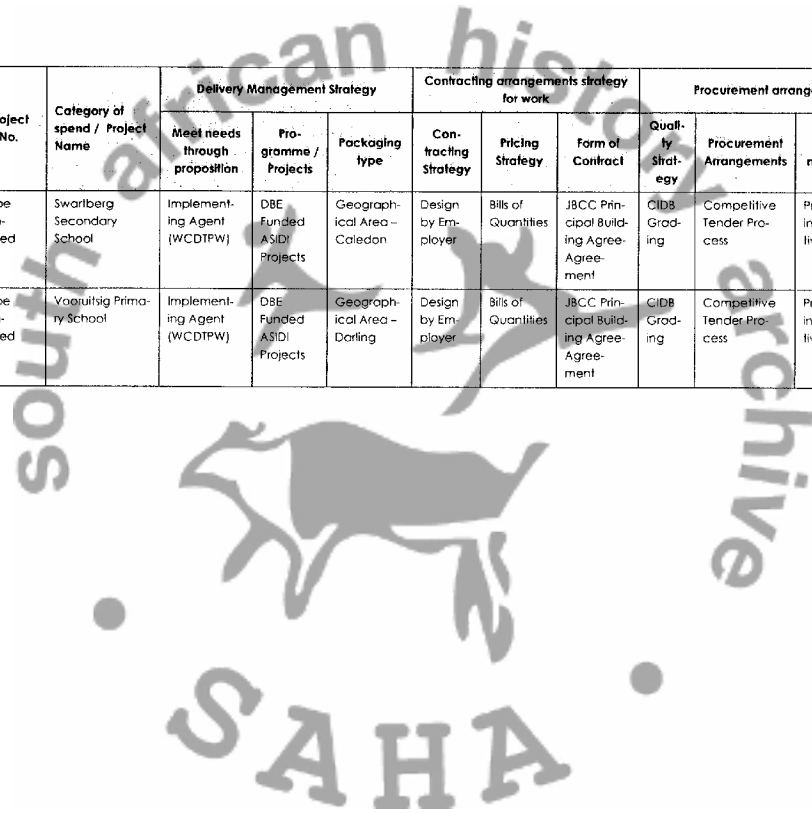
Package No.	Project No.	Category of spend / Project Name	Delivery Management Strategy			Contracting arrangements strategy for work			Procurement arrangement for works			
			Meet needs through proposition	Programme / Projects	Packaging type	Contracting Strategy	Pricing Strategy	Form of Contract	Quality Strategy	Procurement Arrangements	Targeted Procurement Strategy	Evaluation procedure
B1	To be confirmed	Mount View Primary School	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area – Hanover Park	Design by Employer	Bills of Quantities	JBCC Principal Building Agree-Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference
B2		Silverstream PS and Red River PS	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area – Monenberg	Design by Employer	Bills of Quantities	JBCC Principal Building Agree-Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference
B2	To be confirmed	Silverstream Primary School	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area – Monenberg	Design by Employer	Bills of Quantities	JBCC Principal Building Agree-Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference
B2	To be confirmed	Red River Primary School	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area – Monenberg	Design by Employer	Bills of Quantities	JBCC Principal Building Agree-Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference
B3	To be confirmed	Scottsdene Secondary School	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area – Kulls River	Design by Employer	Bills of Quantities	JBCC Principal Building Agree-Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference

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Package No.	Project No.	Category of spend / Project Name	Delivery Management Strategy			Contracting arrangements strategy for work			Procurement arrangement for works			
			Meet needs through proposition	Programme / Projects	Packaging type	Contracting Strategy	Pricing Strategy	Form of Contract	Quality Strategy	Procurement Arrangements	Targeted Procurement Strategy	Evaluation procedure
B4		Tygersig PS and Rosewood PS	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area – Goodwood	Design by Employer	Bills of Quantities	JBCC Principal Building Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference
B4	To be confirmed	Tygersig Primary School	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area – Goodwood	Design by Employer	Bills of Quantities	JBCC Principal Building Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference
B4	To be confirmed	Rosewood Primary School	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area – Goodwood	Design by Employer	Bills of Quantities	JBCC Principal Building Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference
B5	To be confirmed	Delft South Secondary School	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area – Delft	Design by Employer	Bills of Quantities	JBCC Principal Building Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference
B6	To be confirmed	Du Noon Primary School	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area – Du Noon	Design by Employer	Bills of Quantities	JBCC Principal Building Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference



Package No.	Project No.	Category of spend / Project Name	Delivery Management Strategy			Contracting arrangements strategy for work			Procurement arrangement for works			
			Meet needs through proposition	Programme / Projects	Packaging type	Contracting Strategy	Pricing Strategy	Form of Contract	Quality Strategy	Procurement Arrangements	Targeted Procurement Strategy	Evaluation procedure
B7	To be confirmed	Swartberg Secondary School	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area - Caledon	Design by Employer	Bills of Quantities	JBCC Principal Building Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference
B8	To be confirmed	Vooruitsig Primary School	Implementing Agent (WCDTPW)	DBE Funded ASIDI Projects	Geographical Area - Darling	Design by Employer	Bills of Quantities	JBCC Principal Building Agreement	CIDB Grading	Competitive Tender Process	Preferencing Incentive KPIs	Preference







## basic education

Department:  
Basic Education  
REPUBLIC OF SOUTH AFRICA

Private Bag X895, Pretoria, 0001, Sol Plaatje House, 222 Struben Street, Pretoria, 0002, South Africa  
Tel.: (012) 357 3000, Fax: (012) 323 0601, [www.education.gov.za](http://www.education.gov.za)

Ms P Vinjevold  
Head: Education  
Lower Parliament Street  
Cape Town  
8001

Dear Ms Vinjevold

### LETTER OF APPOINTMENT FOR PROVISION OF IMPLEMENTING AGENT SERVICES FOR THE 2012/13 ASIDI PROGRAMME IMPLEMENTATION OF NEW SCHOOLS IN WESTERN CAPE

DBE hereby appointments Western Cape Education Department to implement 14 inappropriate schools in the Western Cape. The list of schools is attached hereto as Annexure A

This appointment is subject to the following:

1. A written acceptance from WCED within 7 days of receipt of this letter;
2. Conclusion of a Memorandum of Agreement between DBE and WCED 14 days after acceptance, which will regulate the relationship between the two entities;
3. WCED is required to submit an Infrastructure Project Implementation Plan (IPIP) within 14 days of acceptance, which is a detailed plan outlining a comprehensive scope of work, deliverables, project timelines, project cash flows and the project team amongst others which will be approved by DBE;
4. Adherence by WCED to the policies of the DBE and specifically the policies and procedures described in the IPMP.

The Department has developed standard documentation which shall be used for the construction of the new schools.

For further enquires please contact Ms T Diale; Tel: (012) 357 4281; Fax: (012) 323 6651; e-mail: [diale.t@dbe.gov.za](mailto:diale.t@dbe.gov.za)

Kind regards

  
MR P B SOBRAYAN  
DIRECTOR GENERAL

DATE: 25/06/2012

ANNEXURE A -WESTERN CAPE 2012/13 FINANCIAL YEAR INAPPROPRIATE SCHOOLS

Reference Number	Category	Province	District Municipalities	Educational District	School Name	Structure	Province	ED	Enrollment
105310646	Primary	Large	Western Cape	City of Cape Town Metro	METROPOLE SOUTH	Delta Prim.	wood	Western Cape ED	507
105490490	Primary	Large	Western Cape	City of Cape Town Metro	METROPOLE SOUTH	Die Duine Prim.	wood	Western Cape ED	430
115330192	Primary	Xlarge	Western Cape	Ovenberg	OVERBERG	Hawston Prim.	wood	Western Cape ED	1076
105480428	Primary	Large	Western Cape	City of Cape Town Metro	METROPOLE CENTRAL	Heideveld Prim.	wood	Western Cape ED	821
101320544	Intermediate	Large	Western Cape	City of Cape Town Metro	METROPOLE NORTH	Kasselsvlei Prim.	wood	Western Cape ED	656
103323810	High	Xlarge	Western Cape	City of Cape Town Metro	METROPOLE CENTRAL	Kensington Sec.	wood	Western Cape ED	1201
119253019	High	Xlarge	Western Cape	Eden	EDEN AND CENTRAL KAR	Knysna Sek.	wood	Western Cape ED	1419
132420414	Primary	Large	Western Cape	City of Cape Town Metro	METROPOLE NORTH	Parkview Prim.	wood	Western Cape ED	851
105480630	Primary	Large	Western Cape	City of Cape Town Metro	METROPOLE CENTRAL	Portia Prim.	wood	Western Cape ED	917
103007218	Primary	Xlarge	Western Cape	City of Cape Town Metro	METROPOLE NORTH	Sophakama Prim.	wood	Western Cape ED	1162
105007098	High	Xlarge	Western Cape	City of Cape Town Metro	METROPOLE SOUTH	Sophumelela Sec.	wood	Western Cape ED	1112
102480851	Primary	Xlarge	Western Cape	City of Cape Town Metro	METROPOLE NORTH	Valhalla Prim.	wood	Western Cape ED	1034
132470660	Primary	Xlarge	Western Cape	City of Cape Town Metro	METROPOLE NORTH	Westfleur Prim.	wood	Western Cape ED	1043
132470619	Primary	Xlarge	Western Cape	West Coast	WEST COAST	Willersville Prim.	wood	Western Cape ED	1084

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MEMORANDUM OF AGREEMENT FOR THE IMPLEMENTATION OF  
THE "ACCELERATED SCHOOLS INFRASTRUCTURE DELIVERY INITIATIVE" (ASIDI) WITHIN  
THE REPUBLIC OF SOUTH AFRICA

Entered into by and between

"THE PROVINCIAL EDUCATION DEPARTMENT - WC"

(hereinafter referred to as the PED)

having its registered offices at Room 924, 9<sup>th</sup> floor, Grand Central Building, Lower Parliament

herein represented by Penelope Anne Vinjevold

in <sup>her</sup> his capacity as Head of Department, duly authorised thereto

and

"THE DEPARTMENT OF BASIC EDUCATION"

(hereinafter referred to as the DBE)

having its registered offices at Sol Plaatjie House, 222 Struben Street, Pretoria

herein represented by **MR PARMOSIVEA BOBBY SOOBRAYAN**

in his capacity as the Director General, duly authorised thereto

(Jointly referred to as "the Parties")

IPHP plus supplement.

PPM

Handwritten signatures and initials, including "AN" and a signature that appears to be "S. Vinjevold".

WHEREAS the DBE has been allocated funding by the National Treasury to address the backlogs in the eradication of inappropriate school structures and in the provision of basic services (water, sanitation and electricity) to schools that do not have such services;

AND WHEREAS the funds received from National Treasury are centrally managed by the DBE

AND WHEREAS Provincial Department undertook to utilize the specific purpose grants administered by the DBE to establish better infrastructure for a list of identified schools (Attached as Schedule A)

AND WHEREAS The Provincial Department undertook to use proprietary information, technical knowledge and experience relating to programme management to contribute to the success of this Programme;

AND WHEREAS the Parties understand and agree that effective utilisation of infrastructure, resources and expertise to execute and implement projects relating to the challenges of education requires coordination and an integrated approach to their activities;

AND WHEREAS the Parties wish to exchange information to facilitate such coordination and integration of their activities for the successful implementation of the Programme set out in this Agreement,

AND WHEREAS the Provincial Department wishes to formalize the collaboration relationship with the DBE by signing this Memorandum of Agreement;

NOW THEREFORE the Parties agree as follows :

#### 1. INTERPRETATIONS AND DEFINITIONS

1.1 In this Memorandum of Agreement, Unless the context indicates otherwise:-

Clause headings are for convenience only and shall not be used in their interpretation, and the following expressions shall bear the meaning assigned thereto it and cognate expressions shall bear corresponding meanings:-

1.1.1 "MOA"

means this Memorandum of Agreement and all the Annexures and Schedules thereto;

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- 1.1.2 "PED" means the Provincial Education Department;
- 1.1.3 "DBE" means the Department of Basic Education;
- 1.1.4 "Duration of the MOA" means 36 (thirty six) calendar months for the implementation of the MOA;
- 1.1.5 "Effective date" means the date of resolution in the National Steering Committee dated 28 July 2011 between Parties;
- 1.1.6 "Parties" means Parties to this MOA and Party shall refer to either of them;
- 1.1.7 "Republic" means the Republic of South Africa;
- 1.1.9 "Project List" refers to a list of schools for implementation as approved by the Director General, which serves as a scope and cost attached as an annexure to this document (Schedule A)
- 1.1.10 "Programme Funds" refers to the project funding agreed to by both parties per agreed List of Projects.
- 1.1.11 "ASIDI" Accelerated School Infrastructure Delivery Initiative, an initiative of the Department of Basic Education to eradicate and replace in appropriate structures and to provide schools with basic services such as water, sanitation and electricity

1 IN THIS MOA:

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- 1.2.1 the singular shall include the plural and vice versa;
- 1.2.2 the masculine gender shall include the feminine and neutral genders and vice versa;
- 1.2.3 unless otherwise indicated, meanings ascribed to a word, phrase or expression in this MOA, shall bear the same meaning wherever it appears, thereafter,
- 1.2 If any provision in a definition is a substantive provision conferring rights or imposing obligations on any Party, notwithstanding that it is only in the definition clause, effect shall be given to it as if it were a substantive provision in the body of the MOA;
- 1.3 Schedules and annexures to this MOA shall be deemed to be incorporated into and form part of this MOA.

## 2 NATURE OF MEMORANDUM OF AGREEMENT

This Memorandum of Agreement constitutes a working relationship between the Parties relating to the issues addressed in this agreement and will not replace any existing agreements or future agreements relating to the provision of other services.

## 3 INTERPRETATION AND PRELIMINARY

- 3.1 The headings of these clauses in this MOA are for the purpose of convenience and reference only and shall not be used in the interpretation of nor modify nor amplify the terms of this MOA nor any clause hereof. Where figures are referred to in numerals and in word, if there is any conflict between the two, the words shall prevail.
- 3.2 Words importing any one gender include the other two genders; the singular includes the plural and vice versa and natural persons include created entities (corporate and unincorporated) and vice versa.

## 4 AIMS AND OBJECTIVES

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The aim of this MOA is to formulate relations between the DBE and the PED in order to achieve the following:

- 4.1 The provision of implementation services on the implementation of the List of Projects as approved by the Director-General
- 4.2 The monitoring of the implementation of projects in the ASIDI programme;

## 5 APPLICABLE LEGISLATION

The programmes and projects shall at all times be subject to applicable legislation, including, but not limited to, the Public Finance Management Act No 1 of 1999, Division of Revenue Act 2007 as amended

## 6 AREAS OF CO-OPERATION

- 6.1 The parties agree to co-operate in any area of mutual interest as defined by the respective aims and objectives in clause 4;
- 6.2 The parties agree to ensure close co-operation with regard to:
  - 6.2.1 Monitoring of the ASIDI Programme;
  - 6.2.2 Implementation of the programme

## 7 ROLES AND RESPONSIBILITIES

7.1 The DBE will:

- 7.1.1 Provide the base building plans according to the Norms and Standards set by the DBE
- 7.1.2 Provide a list <sup>of</sup> projects by location to be prioritised for inclusion in the programme;
- 7.1.3 Assess and approve business plans to be submitted to DBE
- 7.1.4 Review monthly progress reports submitted by PEDs; and
- 7.1.5 Verify projects implemented and effect payments to PEDs for these projects

7.2 The PEDs will:

- 7.2.1 Provide capacity for monitoring of projects under this MOA.
- 7.2.2 Brief PIAs;
- 7.2.3 Assist in the briefing of service providers

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- 7.2.4 Approve <sup>of</sup> drawings as and when required
- 7.2.5 Provide regular inspection on various sites
- 7.2.6 Attend provincial planning monitoring teams (PPMT) meetings
- 7.2.7 Keep records of the projects' day-to-day activities including expenses of projects under this MOA.
- 7.2.8 Keep the DBE informed of developments in all projects related to this MOA.
- 7.2.9 Sign off buildings and accept them on behalf of the province
- 7.2.10 Archive all technical as built drawings and other data
- 7.2.11 Liaison with district authorities, school Governing Bodies, the community and another government departments
- 7.2.12 Ensure that access to the relevant and selected sites for the projects are available for the Implementing Agents
- 7.2.13 Responsible for acquiring land where necessary and all associated functions for land approval and land proclamation prior to the commencement of the building project including environmental impact studies, rezoning.
- 7.2.14 In the event that bulk infrastructure (e.g. water, electricity) is required at a particular building site, the PEDs will arrange with the relevant authorities to provide such services. If such services will not be available, the PSU will consider alternative sources proposed by the implementing Agent and approve the cost of installing such alternative source.
- 7.2.15 Provide the standard building plans <sup>and</sup> adopt the guidelines for the provision of public school infrastructure and adopt the prototype school designs as appropriate.
- 7.2.16 Carry overall responsibility for implementation of the Programme;
- 7.2.17 Facilitate Planning of the Programme;
- 7.2.18 Manage procurement of the professional teams;
- 7.2.19 Manage procurement of contractors;
- 7.2.20 Manage programme management costs;
- 7.2.21 Review and report on capital cash flow requirements;
- 7.2.22 Manage Programme implementation specifically in terms of scope, time, quality and cost management;
- 7.2.23 Check and approve payment certificates;
- 7.2.24 Chair coordination meetings;
- 7.2.25 Review reports submitted by project managers;
- 7.2.26 Manage progress through cash-flows;
- 7.2.27 Ensure targets are met;
- 7.2.28 Prepare and present adequate and accurate reports to the DBE;

- 7.2.29 Ensure programme close-out; and
- 7.2.30 Manage the activities of the Project Managers

**8 DURATION OF THE MOA**

This MOA commences on the Effective date and shall endure for a period of 36 (thirty six) calendar months unless the Parties agree otherwise; alternatively the MOA is terminated in accordance with clause 16.

**9 PROGRAMME MANAGEMENT COSTS**

9.1 The Programme management costs payable to the PED's IA must be set out in the Implementation Plan.

**10 PAYMENT**

- 10.1 DBE shall be responsible to make payment to the PEDs against presentation of required invoices in respect of the services rendered for the implementation of the Programme.
- 10.2 Payment will be made to the PEDs in respect of the service providers, consultants and the contractors employed by the PEDs within 30 (thirty) working days after receipt of an invoice by DBE.
- 10.3 The PEDs shall structure its payment terms to service providers, consultants and contractors in accordance with clause 11 below.
- 10.4 All payments will be made inclusive of Value Added Tax.
- 10.5 In the event of budget cuts to the Programme, resulting in the discontinuation or suspension of the implementation of any Projects under this Programme, DBE will be liable for all liabilities incurred by the PEDs in respect of service providers, consultants and contractors engaged by the PEDs under this Programme.
- 10.6 In the event of the PEDS needs to apply its own financial resources to cover any liability that is due and payable in terms of the Programme, the same will be recovered from DBE.
- 10.7 DBE shall not make direct payment to any service provider, consultant or contractor appointed by the PEDs.
- 10.8 The DBE will introduce a system of transferring funds to the PEDs in advance. Such advance tranches will need to be reconciled monthly with payments made by the PEDs, and such reports provided to the DBE. Further conditions may be imposed on such advances in order to meet regulatory requirements.

## 11 PROCUREMENT

- 11.1 The PEDs shall utilise its own procurement procedures and policies to procure and manage all duly appointed service providers, consultants and contractors. The PEDs shall provide DBE with copies of its procurement procedures and policies.
- 11.2 The DPEDs shall be guided by the DBE Procurement Strategy in the application of its procurement policy and strategy, however, in the event of any major conflict between the DBE Procurement Strategy and the PEDs procurement procedures and policies, the DBE procurement procedures and policies shall prevail.
- 11.3 The procurement policy of the PEDs, which shall be applied in the procurement of all service providers, consultants and contractors shall comply with the requirements of the PPPFA and the Supply Chain Management Guidelines as contained in the Treasury Regulations to the PFMA and with the requirements of the best practice Toolkit of the CIDB.
- 11.4 The PEDs shall invoke its own emergency procurement policy measures as and when required by DBE. The DBE shall put such a request in writing and indicate clearly that it should be treated as an emergency in compliance with the terms of the PED's procurement policy.
- 11.5 The PEDs agrees that it shall ensure that opportunities are created for :
- 11.5.1 Historically disadvantaged service providers, consultants and contractors to compete for the award of contracts.
  - 11.5.2 The employment and training of unskilled and unemployed members of communities in the area where a Project is situated in terms of principle of the EPWP.
- 11.6 DBE will nominate suitable senior personnel to act as members of the PED's Specification, Evaluation and Adjudication Committees in terms of the PED's procurement policy. The members will be notified at least 7 (seven) working days prior to any meeting of such committees and be provided with agendas and supporting documents.
- 11.7 The PED's will inform DBE of all the appointments of service providers procured under this Agreement and DBE will ensure that such appointments are entered into their database.
- 11.8 The PED's shall not under any circumstances, appoint or engage the service of any service provider, consultant or contractor for the Programme:
- 11.8.1 Unless the budget for the payment of that service provider, consultant or contractor has been agreed to in writing by DBE ; and
  - 11.8.2 If provided with evidence by CIDB and DPW that such service provider,

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The PEDs shall however, remain responsible for following up the effectiveness of the required bulk services connection even after the handover of the Project, it being agreed that in the event that the PEDs is still unable to connect the bulk services after 60 (sixty) working days from the hand-over date, the PEDs will be released of this responsibility.

- 12.3.8 The PEDS must obtain the prior written consent of DBE for the ceremonial hand-over of a Project and such event shall be governed by the protocol dictated by DBE.

### 13 OCCUPATIONAL HEALTH AND SAFETY

- 13.1 The PEDs shall ensure that all work be carried out strictly in accordance with the requirements of the OHS Act and the regulations promulgated there under. In this regard the PEDS shall be compelled to ensure that an Occupational Health and Safety Plan is approved and enforced for each and every Project. The status of compliance with the OHS Act shall be monitored and reported on in the monthly reports submitted by the PEDs.
- 13.2 The PEDs hereby accepts an appointment in terms of Section 16(2) of the OHS Act and accepts responsibility for discharging all related duties with reference to the Programme in terms of the OHS Act.

### 14 INSURANCE

The PEDs warrants that:

- 14.1 All service providers, consultants and contractors shall have and maintain adequate public liability, professional indemnity, works risk and, where required, lateral support insurance;
- 14.2 It will obtain constructions <sup>can</sup> guarantees or sureties; and
- 14.3 All service providers, consultants and contractors comply with the requirements of the COID Act.

### 15 PUBLIC ANNOUNCEMENT, PRESS RELEASES, MARKETING AND BRAND

- 15.1 The Parties shall communicate to the public this MOA as a joint initiative by them and both Parties shall endeavour to inform each other of any press release to be developed in connection with the MOA prior to it being released to the media or public by giving the other party 14 (fourteen) days written notice.

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- 15.2 The Parties undertake <sup>PAW</sup> not to make any disclosure, issue press release, public announcement in respect of this MOA and the project, without prior written approval of the other party.
- 15.3 Either party shall not use the other party's brand without prior written approval of the other party.
- 15.4 The Parties undertake not to market the products, service or materials using the brand and name of either party without prior written approval of the said party.
- 15.5 The Parties shall communicate to the public this MOA as a joint initiative of the Parties and both Parties shall endeavour to inform each other of any press release to be developed in connection with the MOA prior to it being released to the media or public.
- 15.6 Any reference to the MOA by any of the Parties during an interview and or any interaction with the media that Party shall accordingly mention the existence of an Agreement in terms of this MOA.

## 16 COMMUNICATION

The Parties agree that it is necessary to keep the channels of communication open at all times and on all aspects of the MOA.

## 17 FORCE MAJEURE

- 17.1 For purposes of this clause 17, "force majeure " shall mean any act, omission or circumstance relied on by one of the parties to this agreement as an event over which that party could not reasonably have exercised control which shall, without limitation, include inability to secure labour, materials, pass supply, or by reason of an act of God, or civil disturbances, riot, state of emergency, strike, lock-out or other labour disputes, fire, flood, drought, legislation, burglary or theft.
- 17.2 Neither party shall be liable for any delay or failure to perform its obligations pursuant to this agreement if such delay is due to force majeure.
- 17.3 The party incapable of performing its obligations in terms of this agreement due to an event of force majeure shall immediately notify the other party in writing of the reasons and cause of its inability to perform and shall submit an estimated duration of such inability to perform.
- 17.4 The party incapable of performing shall, at no cost to the other party, take reasonable steps, if any, available to it, to shorten the duration and to avoid the cause of the inability to perform and shall keep the other party informed of all steps taken to enable performance under this agreement. If a delay or failure to perform a party's obligations

due to force majeure exceeds 60 (sixty) days, either party may immediately terminate the agreement upon providing notice to the other party.

17.5 If this agreement is terminated pursuant to clause 16 below:-

17.6 The Parties shall not be obliged to release further monies to the other party in respect of a project affected by an event of force majeure; and

17.7 The parties shall not be obliged to refund money previously paid to it pursuant to this agreement in respect of research which:-

17.8 Has already been utilized in the execution of the research project concerned; or

17.9 Is legally payable to a third party in connection with the execution of the relevant research project/s.

#### 18 GOVERNING LAW AND JURISDICTION

The laws of the Republic of South Africa shall govern the Agreement. The parties agree to the jurisdiction of the courts of the Republic of South Africa. All parties shall choose a domicillium citandi et executandi in the Republic of South Africa.

#### 19 DOMICILIUM CITANDI ET EXECUTANDI

19.1 The Parties choose as their domicilia citandi et executandi for all purposes under this MOA, whether in respect of court process, notices or other documents or communications of whatsoever nature (including the exercise of any option), the following addresses -

##### 19.1.1 "THE PROVINCIAL DEPARTMENT OF EDUCATION-WC":

Physical: Room 924, 9<sup>th</sup> floor  
 Grand Central Building  
 Lower Parliament  
 Postal: Private Bag X9114  
 Cape Town  
 8000

Tel: 021 467 2535

Fax: 021 461 3694

##### 19.1.2 "THE DEPARTMENT OF BASIC EDUCATION":

Physical: Sol Plaatje House  
 222 Stubers Street  
 Pretoria

*Handwritten signatures and initials.*

Postal: Private Bag X 895  
Pretoria  
0001  
Tel: (012) 357-3000  
Fax: (012) 323 0601

19.2 any Party may change its domicilium citandi et executandi by means of a written notice to the other Party provided that such domicilium shall be a physical address within the Republic of South Africa and

19.3 all notices contemplated under this MOA shall be delivered by hand or sent by pre-paid registered post, in such event such notice shall be deemed to have been received at the address within 7 (seven) business days after the proven date of posting.

## 20 DISPUTE RESOLUTION AND ARBITRATION

20.1 A party to this Agreement claiming that a dispute has arisen must, within 21 days of the date on which the dispute is said to have arisen, <sup>provide KAN</sup> ~~give~~ written notice to the other parties to the dispute specifying the nature of the dispute.

20.2 Within 7 days of receipt of the notice, representatives of the parties must meet with each other and endeavour in good faith to settle the dispute by informal negotiations.

20.3 If within 14 days of the dispute occurring it has not been resolved through informal negotiations the parties shall participate in good faith in mediation conducted by a facilitator appointed for this purpose by the parties or, if they are not able to agree on a facilitator, appointed by a designated third party.

20.4 The mediation will be conducted according to the directions of the facilitator and the parties will respond to all reasonable directions and requests of the facilitator in attempting to resolve the matters in dispute.

20.5 In the event that the mediation has not resolved the dispute within 21 days of its commencement the parties shall submit the dispute to arbitration to be conducted by an arbitrator appointed by the designated third party. The arbitrator shall not be the same person who conducted the mediation.

20.6 The arbitration shall be conducted according to the directions of the facilitator and the parties will comply with all reasonable directions and requests of the facilitator. The facilitator will give a written decision, with reasons, which will be binding on the parties.

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- 25.3.8 In the event that a protective order or other remedy is obtained, the party concerned shall use all reasonable efforts to ensure that only the information covered by such order or other remedy is disclosed, and
- 25.3.9 Whether or not a protective order or other remedy is obtained or a Party has waived compliance with the provisions of this MOA, the other Party shall take all reasonable steps to ensure that only that portion of the information that it is legally required to disclose is so disclosed.
- 25.3.10 The provisions of this clause 19 shall survive termination of this MOA, for whatever reason.
- 25.3.11 The limitations imposed in terms of this clause shall perpetuate for a full period of the contract between the Parties, shall furthermore extend from the effective date and shall survive the expiration or termination of the contract.

## 26 APPLICABLE LAW AND COMPLIANCE WITH THE LAW

- 26.1 The interpretation, performance and implementation of this MOA shall be governed by and construed in accordance with the laws of the Republic of South Africa;
- 26.2 Without limitation of any obligations and/or rights under any law, the Parties shall comply with all relevant laws in the Republic of South Africa.



## 27 LEGAL COSTS


Each Party shall bear its own legal costs of and incidental to the negotiation, preparation, settling, signing, and implementation of this MOA.

SIGNED AT PRETORIA ON \_\_\_\_\_ THIS 14<sup>TH</sup> DAY OF MAY 2012.

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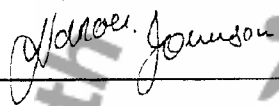
AS WITNESSES:

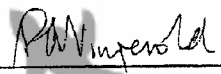
- 1.  \_\_\_\_\_
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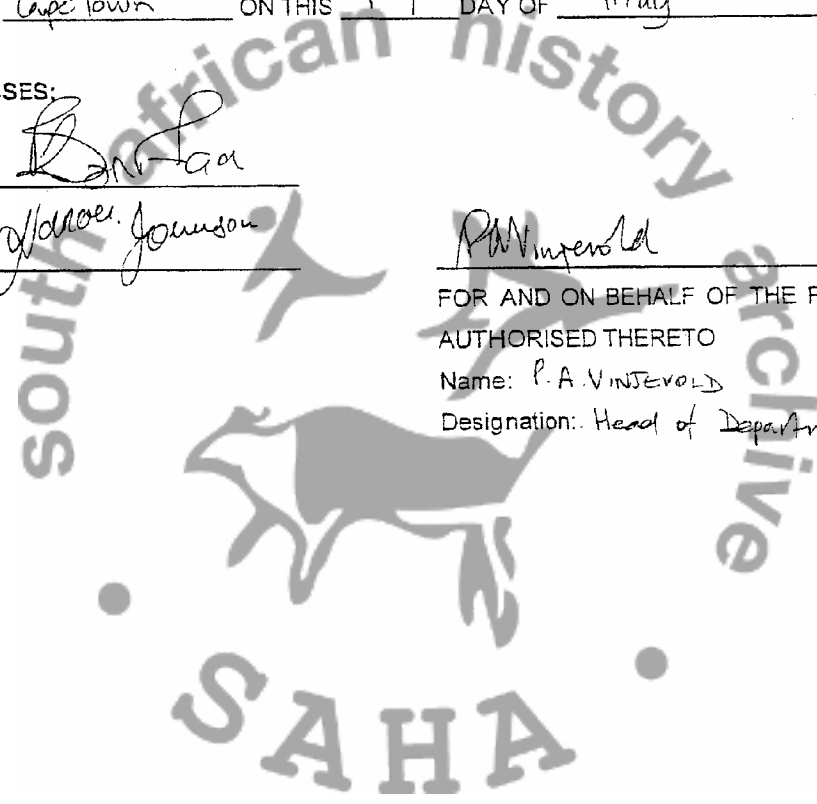
 \_\_\_\_\_  
 FOR AND ON BEHALF OF THE DBE AND  
 DULY AUTHORISED THERETO  
 Name: P. B. SUBBRAMAN  
 Designation: DIRECTOR - GENERAL

SIGNED AT Cape town ON THIS 17 DAY OF May 2012.

AS WITNESSES:

- 1.  \_\_\_\_\_
- 2.  \_\_\_\_\_

 \_\_\_\_\_  
 FOR AND ON BEHALF OF THE PED DULY  
 AUTHORISED THERETO  
 Name: P. A. VINSEVOLD  
 Designation: Head of Department



**SCHEDULE A OF  
WESTERN CAPE  
MOA**



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ANNEXURE D

Province	Suburb Name	Year 2011/2012	Year 2011/2012	Year 2011/2012	Year 2011/2012	Year 2011/2012	Year 2011/2012	Year 2011/2012	Year 2011/2012
Western Cape	Alfred Stamper Pub. Prim.		2011/2012				130041109		
Western Cape	Bet-Ei Prim.		2011/2012	2011/2012			130330426		
Western Cape	Boplaas Ngk Prim.		2011/2012	2011/2012			126336963	126336963	
Western Cape	BUFFELSNEK PRIM	2013/2014				119350168			23 16133 -31 89250
Western Cape	Butunko Sec		2011/2012				106041121		
Western Cape	Ceres Prim.	2013/2014				120330094			19 31533 -33 37550
Western Cape	Chris Nissen Prim.			2011/2012				119390589	
Western Cape	De Villiers Prim.		2011/2012				124350133		
124350338	Dyssetsdorp Prim.		2011/2012	2011/2012			124350338	124350338	
Western Cape	Eastel Peak Prim.	2013/2014				105480282			18 55201 -33 97401
Western Cape	Eurecon Prim.	2013/2014				102320680			18 50155 -33 93068
Western Cape	H. Venler Prim.		2011/2012				127330167		
Western Cape	Iqhayiya Sec		2011/2012	2011/2012			106324086		
106042208	John Pama Prim.		2011/2012	2011/2012			106042208	106042208	
Western Cape	Jongenskip Prim.	2013/2014				114309270			19 65350 -34 26567
Western Cape	Khanyolwelhu Sec		2011/2012	2011/2012			111323942		
Western Cape	Klaarstroom Prim.		2011/2012	2011/2012			142360317		
Western Cape	Krombekrivier Ngk Prim.		2011/2012	2011/2012			116337146		
Western Cape	Liha Prim.		2011/2012	2011/2012			106042303		
Western Cape	Lotus River Prim.	2013/2014				105310106			18 50988 -34 04095
Western Cape	Masakhthe Combined	2013/2014				128041108			19 89753 -33 02266
110377104	Mashumetele Prim.		2011/2012	2011/2012			110377104	110377104	
106041105	Masiyile Senior Sec		2011/2012	2011/2012			106041105	106041105	
106042307	Mkhanyisell Prim.		2011/2012	2011/2012			106042307	106042307	
Western Cape	Mzoxolo Prim		2011/2012	2011/2012			118941337		
Western Cape	Rooiheuwel		2011/2012	2011/2012			112470503		
Western Cape	Roodewal Prim		2011/2012	2011/2012			124358258		
124357197	Rooiheuwel Vgk Prim.		2011/2012				124357197		
Western Cape	SEDGEFIELD PRIM.	2013/2014				119350524			22 81354 -34 02368
Western Cape	Delta Prim.	2012/2013				105310646			18 48452 -34 05387
Western Cape	Sithembale Matiso Sec		2011/2012				106042101		
Western Cape	Die Duine Prim.	2012/2013				105490490			18 52407 -34 03487
Western Cape	Sonop Pilmér		2011/2012				108470732		
Western Cape	Ilawston Prim.	2012/2013				115330191			19 13241 -34 38978
Western Cape	Haideveld Prim.	2012/2013				105489428			18 55501 -33 96747
Western Cape	Kasselsvlei Prim.	2012/2013				101329544			18 94292 -33 31780
Western Cape	Kersington Sec.	2012/2013				103323810			18 50899 -33 90843
Western Cape	Knyzna Sek.	2012/2013				119353019			23 09901 -34 04133
Western Cape	Parkview Prim.	2012/2013				132470414			18 48824 -33 56638
Western Cape	Porlia Prim.	2012/2013				105480630			18 51509 -33 09653
128330620	Vergsig Prim.		2011/2012	2011/2012			128330620	128330620	
Western Cape	Sophakama Prim.	2012/2013				103300718			18 53843 -31 81912
Western Cape	Sophumeletu Sec	2012/2013				106007098			18 57070 -34 01835
Western Cape	Vallita Prim.	2012/2013				102490651			18 50103 -33 61580
Western Cape	Wesfour Prim.	2012/2013				132470900			18 48792 -33 57230
Western Cape	Willemsvlei Prim.	2012/2013				133470619			19 00400 -33 00650

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*[Signature]*



ANNEXURE E



**Western Cape  
Government**

Education

Office of the Chief Director: Physical Resources

Reference: IMS 20120628-0006  
Enquiries: Ms. L Mc Glenatendolf

The Chief Director  
Department of Transport and Public Works (DTPW)  
Section: Works Education  
9 Dorp Street  
CAPE TOWN  
8000

Dear Mr. Mguli

**LETTER OF APPOINTMENT AS IMPLEMENTING AGENT FOR THE ASIDI PROGRAMME (2012/13-2013/14)**

The Department of Transport and Public Works (DTPW) is herewith formally appointed as Implementing Agent for the Accelerated School Infrastructure Development Initiative (ASIDI) funded by the Department of Basic Education (DBE).

The necessary information about the 25 schools has already been provided to DTPW. Ms. Mc Glenatendolf has spoken to officials in the department regarding the Infrastructure Programme Implementation Plan (IPIP) to be provided to the Western Cape Education Department for submission to DBE.

It is trusted that the two departments can retain the good relationship that exists and that a joint effort will be mustered to deliver on this assignment.

Your co-operation on this matter is highly appreciated.

Kind regards

**HA LEWIS**  
**Chief Director: Physical Resources**  
**Date:** 10 July 2012

CC: Mr. Liam Thiel (Dir.: Works Education)  
Mr. Andre Nieuwoudt (Sen. Architect)

Golden Acre Building, Cape Town, 8001  
Tel: +27 21 467 2022 fax: +27  
Safe Schools: 0800 45 46 47

Private Bag X9114, Cape Town, 8000  
Employment and salary enquiries: 0861 92 33 22  
[www.westerncape.gov.za](http://www.westerncape.gov.za)

AS/HS School	Grade 1 to 12 Enrollment	Enrollment by Grade Group	Grade 6 Enrollment	Enrollment by Grade R Class Group	Utilization	Existing School Structure		CSR Recommendation															WCED Final Recommendation										Notes							
						Enrollment	Classrooms	Enrollment	Classrooms	Specialized Classrooms	Admin/Block	Reading Room	Multipurpose	Art Room	Music Room	Library	Computer Lab	Other	Total Classrooms	Enrollment	Classrooms	Specialized Classrooms	Admin/Block	Reading Room	Multipurpose	Art Room	Music Room	Library	Computer Lab	Other	Total Classrooms									
Duba PS	802	27	127	4	88%	28	4	25	3	0	1	1	1	0	0	2	37	802	28	4	0	1	1	1	0	0	2	37	802	28	4	0	1	1	1	0	0	2	37	Enrollment is 802, which is at the top end of a large school category. Based on NBS the school requires 21 classrooms. WCED however propose 2 classrooms above the norm and equal the existing class groups and because the school's enrollment is almost rate-large, 4 specialised classrooms are proposed in line with NBS. WCED suggested 4 Grade R classrooms to match the existing Grade R class groups. In terms of ancillary spaces we proposed the same as CSR (2 spaces).
Elophong PS	679	18	86	3	88%	25	0	25	4	0	1	1	1	0	0	2	30	679	25	4	0	1	1	1	0	0	2	30	679	25	4	0	1	1	1	0	0	2	30	Based on the existing enrollment per grade of the proposed school merger, the newly merged school will have 33 classgroups (1118 learners). WCED thus proposed 4 more classrooms, above the norm of 28, to match the classgroups. 4 specialised classrooms are proposed in line with NBS. WCED suggested 4 Grade R classrooms to match Grade R enrollment of the proposed merged school (137 learners). In terms of ancillary spaces WCED proposed the same as CSR (2 classes).
Howison PS	948	26	120	4	104%	22	2	20	4	1	1	1	1	0	0	3	26	948	22	4	1	1	1	1	0	0	3	26	948	22	4	1	1	1	1	0	0	3	26	Enrollment at this school is 948 (Grade 1 to 7), which is an XI school. The number of classrooms proposed is in line with NBS and thus a total of 28 classrooms are proposed (16 existing and 12 replaced). 4 specialised classrooms are proposed in line with NBS. No Grade R classes is proposed as grade R is currently under construction. In terms of ancillary spaces WCED proposed the same as CSR (3 spaces).
Makana PS	753	39	58	2	82%	23	0	23	4	1	1	1	1	0	0	3	28	753	23	4	1	1	1	1	0	0	3	28	753	23	4	1	1	1	1	0	0	3	28	Based on the existing enrollment per grade of the proposed school merger, the newly merged school will have 28 classgroups (1060 learners). WCED thus proposed 28 classrooms, to match the classgroups and NBS. 4 specialised classrooms are proposed in line with NBS. WCED suggested 4 classrooms to match Grade R enrollment of the proposed merged school (107 learners). In terms of ancillary spaces WCED proposed the same as CSR (3 spaces).
Mankweng PS	954	16	94	3	57%	26	0	26	4	1	1	1	1	0	0	4	40	954	26	4	1	1	1	1	0	0	4	40	954	26	4	1	1	1	1	0	0	4	40	Based on the existing enrollment per grade of the proposed school merger, the newly merged school will have 30 classgroups (1064 learners). WCED proposed 30 classrooms, to match the classgroups. This is 2 more classes than the NBS, due to some grades having much larger enrolments, necessitating more classes. 4 specialised classrooms are proposed in line with NBS. WCED suggested 5 classrooms to match Grade R enrollment of the proposed merged school (160 learners). In terms of ancillary spaces WCED proposed the same as CSR (3 spaces).
Rowington SS	1210	84	0	0	73%	39	0	39	4	1	1	1	1	0	0	3	43	1210	39	4	1	1	1	1	0	0	3	43	1210	39	4	1	1	1	1	0	0	3	43	Enrollment at this school is 1210 (Grade 8 to 12), which is an XI school. The number of classrooms proposed (40) is in line with NBS and exceed the existing classgroups. 4 specialised classrooms are proposed in line with NBS. No Grade R classes is proposed in terms of ancillary spaces WCED proposes 2 spaces. (CSR suggested 3 spaces) as the school has an existing hall.
Miysha SS	1622	37	0	0	137%	25	0	25	4	1	1	1	1	0	0	2	49	1622	25	4	1	1	1	1	0	0	2	49	1622	25	4	1	1	1	1	0	0	2	49	Enrollment at this school is 1622 (Grade 8 to 12), which is an over XI school. WCED propose 40 classrooms (19 replacement and 21 existing), which is in line with NBS and even exceed the existing classgroups. 4 specialised classrooms are proposed in line with NBS, which is one more than the CSR recommendation. No Grade R classes is proposed. In terms of ancillary spaces WCED propose 3 spaces as oppose to CSR's suggestion of just 1 space. As this is an over XI school WCED hope that some learners will depart to the new Concordia HS.
Patentou PS	756	20	96	3	74%	27	2	27	4	1	1	1	1	0	0	2	35	756	27	4	1	1	1	1	0	0	2	35	756	27	4	1	1	1	1	0	0	2	35	Enrollment at the school is 756 (Grade 1 to 7), which is an I school. The number of classrooms proposed is in line with NBS and thus a total of 21 classrooms are proposed. 4 specialised classrooms are proposed in line with NBS. Three Grade R classes are proposed to match the existing Grade R enrollment. In terms of ancillary spaces WCED proposed the same as CSR (2 spaces) as there seem to be an existing hall.
Purita PS	559	25	60	2	62%	23	1	19	4	1	1	1	1	0	0	3	26	559	23	4	1	1	1	1	0	0	3	26	559	23	4	1	1	1	1	0	0	3	26	Enrollment at this school is 559 learners (Grade 1 to 7) and 60 Grade R learners. The number of classrooms proposed match the existing number of classgroups at the school (25) and is 4 more than the NBS of 21 classrooms. However due to possible school closures in the area, WCED opted to provide more classrooms than required by NBS.



Sohalame PS	1107	43	64	4	80%	32	2	24	4	1	1	0	2	8	2	38	27	11 school (79)	24	1	1	1	2	8	2	38	Enrolment at this school is 1307 (Grade 1 to 7), which is an over XI school. The number of classrooms proposed, 32 in total (24 replacements and 8 existing), is above the N&S of 78 and makes provision for the over XI enrolment. 4 specialised classrooms are proposed in line with N&S. Two Grade 8 classes are proposed in line with enrolment, in terms of ancillary spaces WCED proposed 3 ancillary spaces as appose to CSR's 2.
Sopnumole SS	1303	24	0	0	150%	26	0	22	4	3	1	0	0	0	2	26	11	11 school (8)	18	2	0	0	0	0	0	26	The CSR must have miscalculated the number of classroom proposed, the school is vastly over-utilised at 158%. Enrolment is 1103 (Grade 6 to 12), which is a I school in terms of enrolment. The number of classrooms proposed is far more than the norm and standards, due to growing enrolment at the school over past 10 years and enrolment at the top-end of a large school. 4 specialised classrooms are proposed in line with N&S. No Grade 8 classes is proposed. In terms of ancillary spaces WCED proposes just a feeding kitchen as there is an existing hall and admin block.
Valliole PS	960	25	64	2	106%	29	0	29	4	1	1	1	2	0	3	35	20	21 school (28)	28	2	0	0	0	0	0	35	Enrolment at this school is 960 (Grade 1 to 7), which is an XI school. The number of classrooms proposed is in line with N&S and thus a total of 28 classrooms are proposed. 4 specialised classrooms are proposed in line with N&S. Two Grade 8 classes are proposed in line with enrolment. In terms of ancillary spaces WCED proposed the same as CSR (3 spaces).
Woolley PS	1248	16	192	5	98%	33	0	51	4	1	1	1	2	0	2	57	21	21 school (28)	28	2	0	0	0	0	0	57	Enrolment at this school is 1248 (Grade 1 to 7), which is an XI school. The number of classrooms proposed (33) is above the N&S to accommodate the correct number of classrooms based on the correct application of 40 pupils per class (133 class-groups). 4 specialised classrooms are proposed in line with N&S. 0 Grade 8 classes are proposed to accommodate the existing enrolment. In terms of ancillary spaces WCED proposed just an admin block and a feeding kitchen, as there is an existing hall.
Willemsvlei PS	1014	27	68	2	91%	36	2	36	4	1	1	1	2	0	3	47	20	21 school (28)	28	2	0	0	0	0	0	47	Enrolment at this school is 1034 (Grade 1 to 9), which is an XI school. The number of classrooms proposed is in line with N&S and thus a total of 28 classrooms are proposed. 4 specialised classrooms are proposed in line with N&S. Two Grade 8 classes are proposed to accommodate existing enrolment. In terms of ancillary spaces WCED proposed the same as CSR (3 spaces).
<b>Total</b>	<b>13535</b>	<b>372</b>	<b>1018</b>	<b>84</b>		<b>404</b>	<b>13</b>	<b>406</b>	<b>58</b>	<b>12</b>	<b>13</b>	<b>10</b>	<b>15</b>	<b>38</b>	<b>35</b>	<b>515</b>			<b>386</b>	<b>56</b>	<b>13</b>	<b>24</b>	<b>10</b>	<b>84</b>	<b>85</b>	<b>235</b>	<b>511</b>

\*\* Please ensure that all Multi-Purpose Hall meets minimum standards (Example: Forum)







**Reference:** ASIDI PROGRAMME  
**Enquiries :** Jodie Thomas  
(021) 483 3257

23 July 2012

**WESTERN CAPE EDUCATION DEPARTMENT  
INFRASTRUCTURE AND PLANNING**

LUCIEN AGULHAS  
Tel No.: 021 467 2068

**Re: ASIDI PROGRAMME: ACCOMMODATION SCHEDULE CONFIRMATION**

Approval is hereby sort for the permission to make changes to the accommodation schedule (AS) and standard drawings issued by the Department of Basic Education (DBE) to Western Cape Education Department (WCED). A meeting was held between WCED and Works: Education Facilities (WEF) on 12 July 2012 to discuss the changes between the two accommodation schedules for both Primary and Secondary Schools. The DBE AS and WCED AS differ in the following respects, and we herewith make recommendation as to how these discrepancies can be resolved:

**1. Grade R (Primary Schools)**

- a. The standard accommodation for the WCED Grade R is the provision of one or two classrooms, ablution (three (3) toilets and three (3) basins) and store facilities per site depending on the need in the area.
- b. WCED advised that there appears to be a need for more than two Grade R classrooms at certain school sites.
- c. It is recommended that the minimum number of Grade R classrooms to be provided per site is two (2) and these are to be as per the DBE layout provided (Annexure A).
- d. The consultant team is to determine at each site whether three (3) Grade R classrooms are to be provided. WCED is to approve the additional classroom per site.
- e. Only the floor plan layout of the DBE design will be followed as the provisions there-in are more generous than those in the WCED's Grade R layout.
- f. The aesthetics of the building will be in line with that of the overall school design and at the discretion of the consultant architect.
- g. The attached jungle gym design is also to be provided in the Grade R playground (Annexure B).

**2. Administration Building (Primary + Secondary Schools)**

It is recommended that the WCED AS for the Administration building be utilized as this has been carefully planned to accommodate the Western Cape requirements.

The schedule is as follows:

<b>Administration Building: Primary + Secondary Schools</b>			
<b>No.</b>	<b>Space</b>	<b>Ablution facilities</b>	<b>Number of required</b>
1	Secretary's office		1
			<b>Total Area per square meters</b>
			9.00

2	Principal		1	15.00
3	Vice-Principal		2	12.00
4	Record Room		1	9.00
5	Safe		1	3.00
6	Staff Room + Tea Kitchenette		1	44.00
7	Sick room + disabled toilet	1 WC + 1 WHB	1	6.00
8	General Store		1	12.00
9	Book Store		1	12.00
10	Male staff toilets	1 WC, 1 WHB + 1 Urinal	1	6.00
11	Female staff toilets	2 WCs + 1 WHB	1	6.00
12	Department Head		1	12.00
13	Bursar Office		1	12.00
14	General Office		1	12.00

### 3. Teaching facilities (Primary Schools)

- Classrooms sizes for Foundation, Intermediate and Senior classrooms are to be as per attached WCED classroom layouts (Annexure C).
- Proceed with the standard WCED classroom layouts
- Built in steel cabinet be provided for each classroom as indicated on DBE drawings (Annexure D).
- Proceed with WCED computer room layout (Annexure E) – the consultant architect is to determine the existing number of computer stations in existing computer rooms at the schools and this is to be allowed for in the new computer rooms.
- Proceed with WCED Media Centre layout (Annexure F).
- The following classrooms are also provided in the Primary School AS:

Additional Classrooms - Primary School				
No.	Space	Ablution facilities	Number of required	Total Area per square meters
1	Handwork/Art room (Annexure G)	2x wash troughs	1	70.00
2	Handwork/Art room store (Annexure G)		1	12.00
3	Music room		1	70.00
4	Music store		1	12.00

### 4. Teaching facilities (Secondary Schools)

- Classroom sizes to all be 56m sq. for both Junior and Senior classrooms are to be as per the attached WCED classroom layouts (Annexure H).
- Built in steel cabinet be provided for each classroom as indicated on DBE drawings (Annexure D).
- Proceed with the standard WCED classroom layouts.
- Proceed with WCED computer room layout (Annexure E) – the consultant architect is to determine the existing number of computer stations in existing computer rooms at the schools and this is to be allowed for in the new computer rooms.
- Proceed with WCED Media Centre layout (Annexure I).
- Multi-purpose classrooms are provided by installing folding sliding partitioning between two classrooms – which save funds – it is therefore recommended that this be continued.
- WCED is to confirm the FET bands for the two secondary schools in this roll-out and is to advise on which additional classrooms are required per secondary school as indicated below:

Additional Classrooms - Secondary School				
No.	Space	Ablution facilities	Number of required	Total Area per square meters
1	General Science Laboratory (Annexure J)	3x laboratory basins	1	65.00
2	General Science Laboratory Store (Annexure J)		1	8.70
3	Physical Science Laboratory (Annexure K)	3x laboratory	1	65.00

		basins		
4.	Physical Science Laboratory Store (Annexure K)		1	8.70
5.	Biology/Chemistry Laboratory (Annexure L)	3x laboratory basins	3	65.00
6.	Biology/Chemistry Laboratory Store (Annexure L)		3	8.70
7.	Home Economics		1	68.00
8.	Home Economics Store		1	12.00
9.	Handwork Room (Annexure M)	2x wash troughs	1	68.00
10.	Machine/Store (Annexure M)		1	12.00
11.	Third specialist room (Annexure N)		1	68.00
12.	Third Specialist room store (Annexure N)		1	12.00
13.	Hospitality Studies (Annexure O)	Refer drawing	1	Refer Drawing

**5. Hall**

- a. WCED hall size be retained – the DBE hall is too small to serve its purpose – the size of the hall is to be 0.5m sq per learner at the school.
- b. WCED Accommodation is as follows:

Hall Requirements - Primary + Secondary School				
No.	Space	Ablution facilities	Number of required	Total Area per square meters
1	Hall		1	0.50 per learner
2	Stage area		1	60.00
3	Boys Cloakroom	1 WC, 1 WHB, 1 SHR incl. hot	1	20.00
4.	Girls Cloakroom	1 WC, 1 WHB, 1 SHR incl. hot	1	20.00

- c. DBE's feeding kitchen layout (Annexure P) is to be attached to the WCED hall accommodation as indicated above (excluding the DBE dining hall area).

**6. Other**

- a. It is recommended that the Caretaker's Room and Security Guard room as indicated on DBE's standard layout be included (Annexure Q).
- b. Retain the WCED ablution accommodation for both Primary and Secondary schools.
- c. Garden and Equipment store to be two separate spaces as there is always storage shortages at schools.
- d. WCED makes allowance for site works, borehole connection, parking areas, PT slabs, sports fields and various landscaping features. These are to be retained for both the Primary and Secondary Schools as per WCED ASs.

**7. General**

- a. WCED to confirm the number of deputy offices to the admin buildings per school.
- b. WCED to confirm FET band for the two high schools to be built.
- c. Facebrick is only to be utilized up to a dado rail height – it has been proven across previous projects that quality control on facebrick construction and material supply is a time risk. Manufacturer's bricks are having to be checked for tolerances and sorted through before construction which will cost the ASID! programme time. Acceptable facebrick construction is also a time risk often walls need to be re-built. Entire buildings in facebrick could add to delaying the projects and it is recommended that the buildings not be entirely constructed of facebrick.

Your soonest response and acceptance of the above recommendations would be appreciated.

Yours Sincerely,

Jodie Thomas  
Project Architect  
Works: Education  
Date

**Attachments to this Document:**

Annexure A : PS: DBE Grade R Classroom : Plan  
Annexure B : PS: DBE Jungle Gym layout  
Annexure C : PS: Foundation Phase Classroom layout  
PS: Intermediate and Senior Phase Classroom layout  
Annexure D : PS: DBE steel cabinet to be added to each classroom  
Annexure E : Computer classroom layout  
Annexure F : PS: Media Centre, Office and Store layout  
Annexure G : PS: Handwork/Art room  
Annexure H : SS: Junior and Senior Classroom layout  
Annexure I : SS: Media Centre, Office and Store layout  
Annexure J : SS: General Science Lab and store  
Annexure K : SS: Physical Science lab and store  
Annexure L : SS: Biology/Chemistry Lab and store  
Annexure M : SS: Handwork room and machine room  
Annexure N : SS: Art room and store  
Annexure O : SS: Hospitality studies layout  
Annexure P : Feeding kitchen layout (to be attached to WCED hall)  
Annexure Q : Caretaker and Security Guard room

Supported / Not supported

**Mr A. Nieuwoudt**  
**MANAGER ARCHITECTURAL SERVICES : WORKS : EDUCATION**  
**DEPARTMENT OF PUBLIC WORKS**  
DATE \_\_\_\_\_

Supported / Not supported

**Mr L. Agulhas**  
**DEPUTY DIRECTOR : INFRASTRUCTURE ASIDI PROJECTS**  
**WESTERN CAPE EDUCATION DEPARTMENT**  
DATE \_\_\_\_\_

Supported / Not supported

Ms LJ McGlenatendolf

DIRECTOR : INFRASTRUCTURE PLANNING AND MANAGEMENT

WESTERN CAPE EDUCATION DEPARTMENT

DATE \_\_\_\_\_

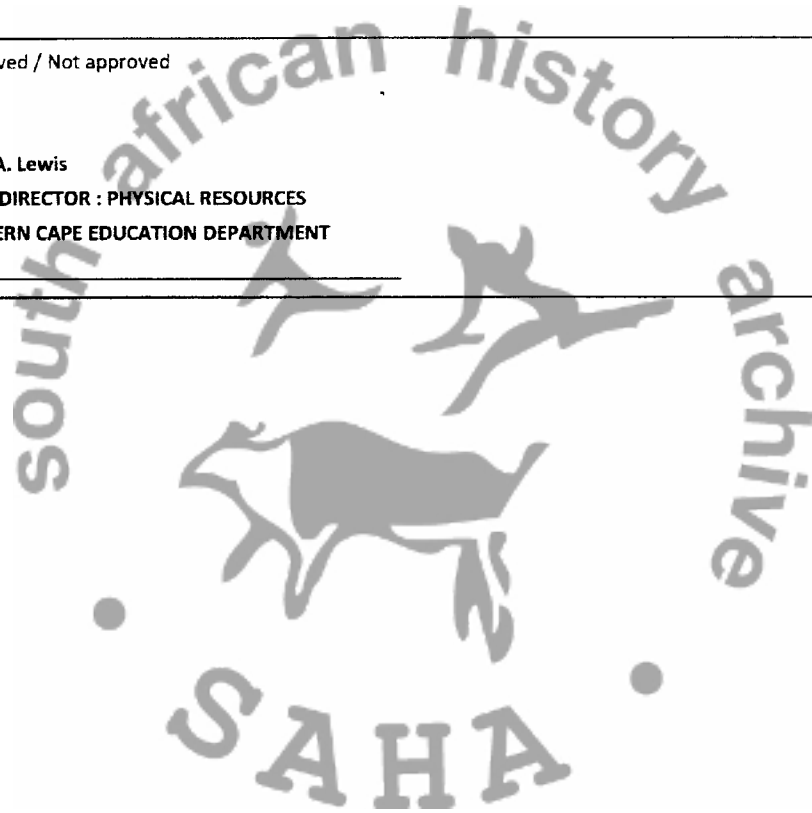
Approved / Not approved

Mr H.A. Lewis

CHIEF DIRECTOR : PHYSICAL RESOURCES

WESTERN CAPE EDUCATION DEPARTMENT

DATE \_\_\_\_\_



PRIMARY SCHOOLS





0.5MM GALVANIZED FINISHED GALVANIZED METAL 191 PROFILE ROOF SHEETING @ 17 ON INSULATION ON 250x50mm S & P. PURNS @ 750mm C/C'S ON PREFABRICATED TRUSS TRUSSES TO ENG'S DETAIL AND SPEC. 6MM GYPSUM CEILING BEARDS FIXED TO 38 x 38 SAP BATTENS 100MM NON-COMBUSTIBLE LIGHTWEIGHT FIBREGLASS INSULATION BLANKET FITTED BETWEEN THE BEAMS AND LAID LOOSE ON TOP OF BRANDING.

ALUMINUM BARGE BOARD

RAIN WATER CONC. CHANNEL

CONC. FINISH WOOD FLOAT

REINFORCED CONCRETE FOUNDATION TO ENG'S DETAILS TO SUIT THE SPECIFIC SITE CONDITION

**TYPICAL SECTION A-A**

scale 1:150

0.5MM GALVANIZED FINISHED GALVANIZED METAL 191 PROFILE ROOF SHEETING FIXED TO MANUFACTURER'S DETAIL AND SPEC.

WALL PLATE LEVEL

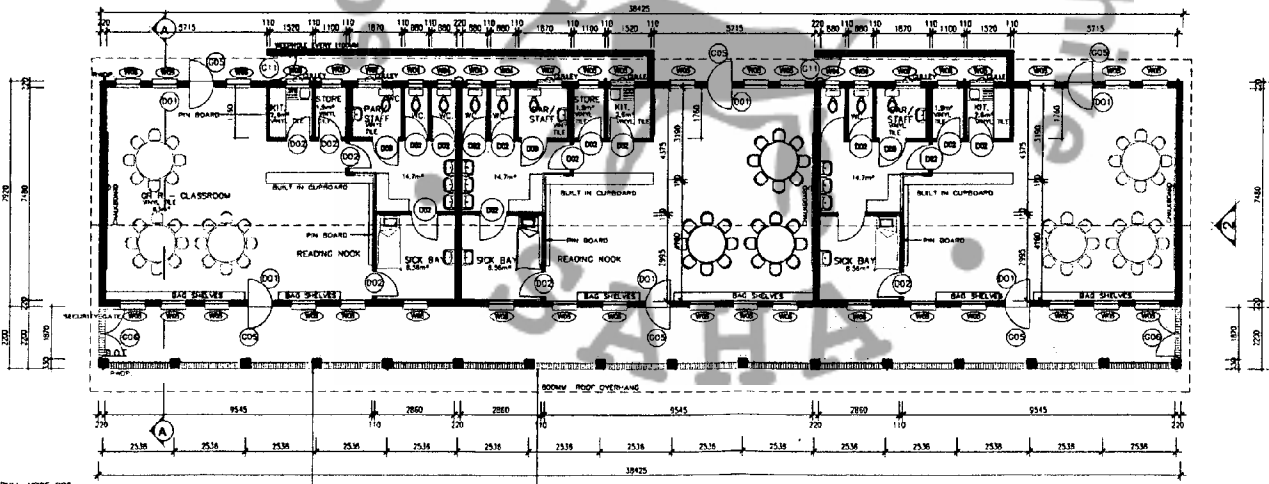
UMB OF ROE 228x40

PVL STRIP

DWARF WALL 300MM HIGH BRICK ON EDGE SEATING TO DETAIL

**ELEVATION - 1**

scale 1:150



DWARF WALL 300mm HIGH BULL-NOSE ROE SEATING WITH RE-DAR INSERT TO DETAIL

**PLAN - 3 GRADE R-W (WET FACILITY)**

scale 1:150

**3GR-R\_W**

0.5MM GALVANIZED FINISHED GALVANIZED METAL RIDGE CAP WITH RIDGE CLOSER TO MANUF. SPEC.

2 TERRAZZOTA ANGRICKS

BEAM FALLING

WALL PLATE LEVEL

UMB OF ROE LANTOL 228x40

PVL STRIP

VYVIL TILES ON 30MM SCREED ON 85MM SURFACE BED ON 230 MCMCM DPM ON 50MM SAND BED ON WELL COMPACTED SOIL TO ENG'S DETAIL

**ELEVATION - 2**

scale 1:150

**NOTES:**

- DRAWINGS ARE NOT TO BE SCALED.
- PORTION OF CONCRETE RAIN WATER CHANNELS ARRANGEMENT TO BE RECONFIGURED ON SITE.
- POSITIONS OF PUMPS TO BE DETERMINED BY PROJECT ARCHITECT.

NO.	DATE	DESCRIPTION
0	2011-07-28	ISSUED FOR INFORMATION
1	2011-08-02	GENERAL UPDATE
2	2011-08-12	DUCTING SEPARATED AND GENERAL UPDATE
3	2011-08-18	SECTION DESCRIPTION BOLD
4	2011-08-18	GENERAL UPDATE



**DEPARTMENT OF BASIC EDUCATION**  
222 STRUBEN STREET  
PRETORIA

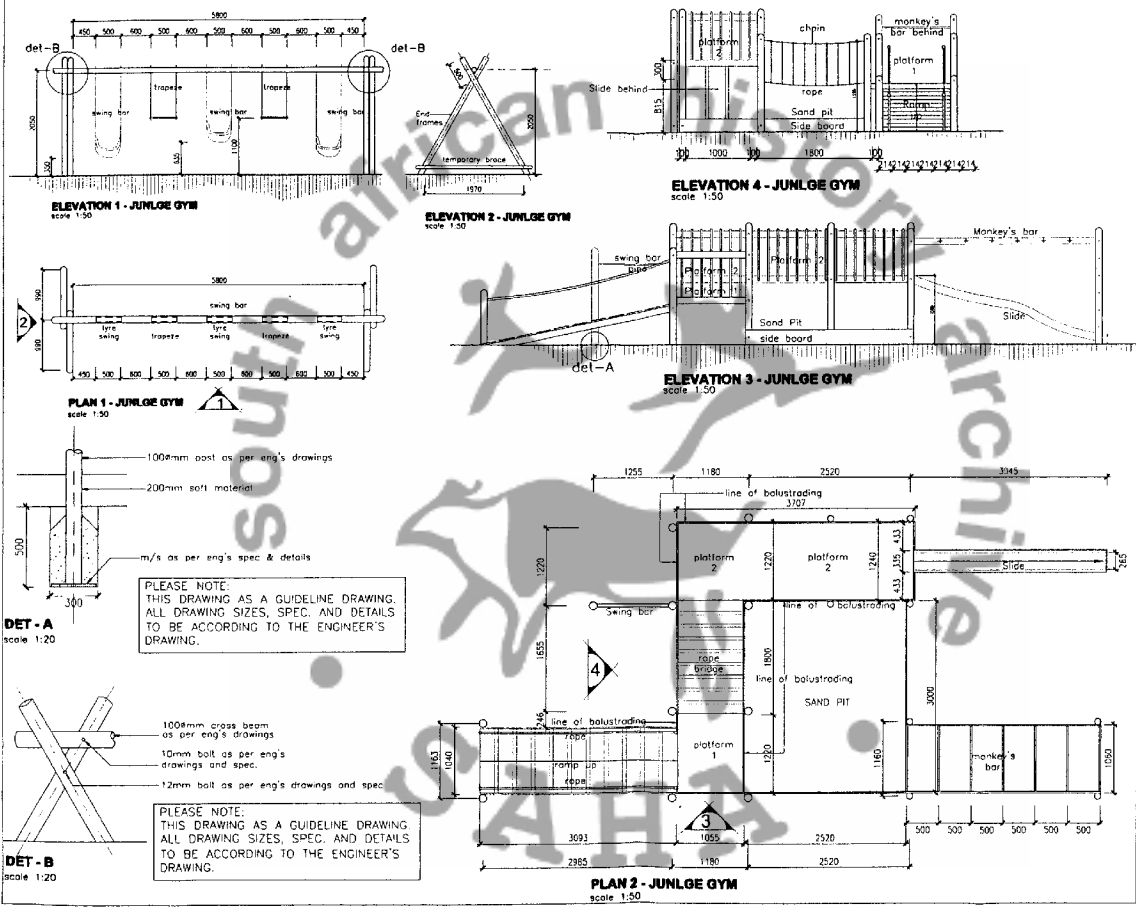


**PROTOTYPE DESIGNS FOR PRIMARY & SECONDARY SCHOOLS**

**3 GRADE R : PLAN, SEC-AA & ELEVATION**  
**3GR-R\_W**

NO.	DATE	DESCRIPTION
1	2011-08-18	ISSUED FOR INFORMATION
2	2011-08-18	GENERAL UPDATE
3	2011-08-18	SECTION DESCRIPTION BOLD
4	2011-08-18	GENERAL UPDATE

**ANNEXURE B**



**NOTES**

- DRAWINGS ARE NOT TO BE SCALED.
- PORTION OF CONCRETE RAIN WATER CHANNEL ARRANGEMENT TO BE RECONSIDERED ON SITE.
- PORTIONS OF NUMB TO BE DETERMINED BY PROJECT ARCHITECT.

NO.	DATE	DESCRIPTION	ISSUED FOR INFORMATION
0	2011-10-24		

basic education  
Department  
Basic Education  
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF BASIC EDUCATION  
222 STRUBEN STREET  
PRETORIA

PROTOTYPE DESIGNS FOR  
PRIMARY & SECONDARY  
SCHOOLS

**JUNLGE GYM - PLAN & ELEV.**

JUN-1 - SHEET 1 OF 2

DATE	2011-10-24	SCALE	1:50
DRAWN BY	19071_ADA-180W	CHECKED BY	2

NOTES  
 \* DRAWINGS ARE NOT TO BE SCALED.  
 \* POSITION OF CONCRETE RAIN WATER CHANNEL ARRANGEMENT TO BE RECONFOURD ON SITE.  
 \* POSITIONS OF FANNS TO BE DETERMINED BY PROJECT ARCHITECT.

NO.	DATE	DESCRIPTION
0	2011-10-24	ISSUED FOR INFORMATION

basic education  
 Department  
 Basic Education  
 REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF BASIC EDUCATION  
 222 STRUBEN STREET  
 PRETORIA

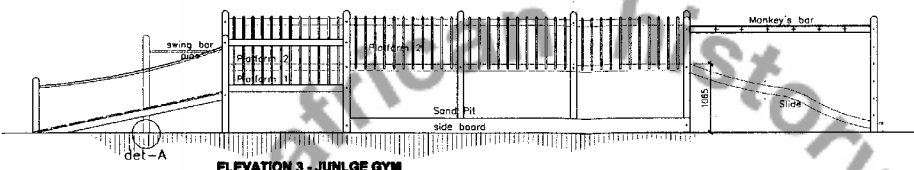
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PROTOTYPE DESIGNS FOR PRIMARY & SECONDARY SCHOOLS

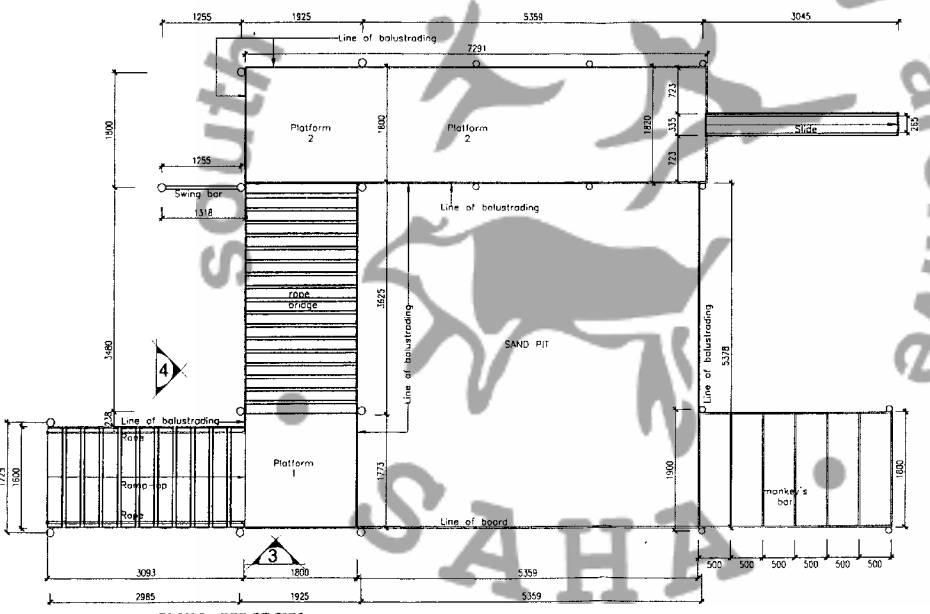
JUNGLE GYM - PLAN & ELEV.

JUN-1 - SHEET 2 OF 2

DATE	BY	CHECKED	SCALE
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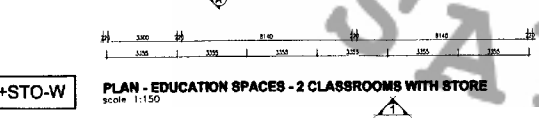
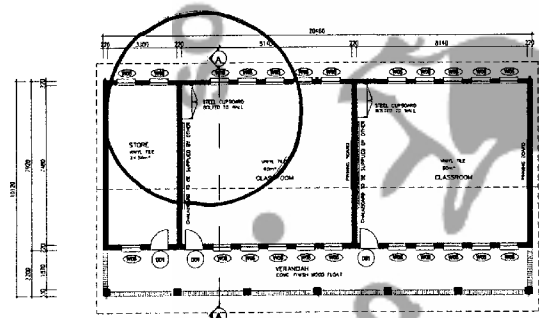
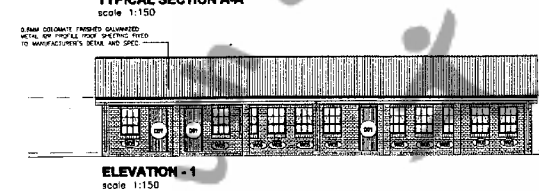
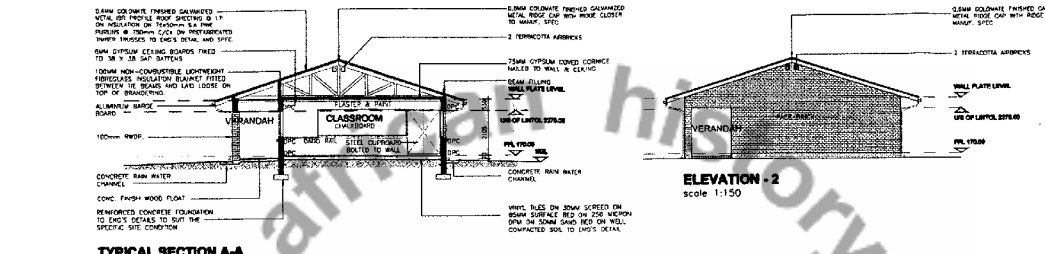


**ELEVATION 3 - JUNLGE GYM**  
 scale 1:50



**PLAN 2 - JUNLGE GYM**  
 scale 1:50

**ANNEXURE**



**CL2+STO-W**

- NOTES:
- 1. DRAWINGS ARE NOT TO BE RECALLED.
  - 2. POSITION OF CONCRETE RAIN WATER CHANNELS ARRANGEMENT TO BE RECONFIGURED ON SITE.
  - 3. POSITIONS OF RAMPS TO BE DETERMINED BY PROJECT ARCHITECT.

NO.	DATE	DESCRIPTION
0	2011-07-01	ISSUED FOR INFORMATION
1	2011-07-08	GENERAL UPDATE
2	2011-09-02	DESCRIPTION BOLTED

**basic education**  
Department of Basic Education  
REPUBLIC OF SOUTH AFRICA

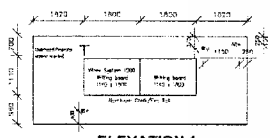
**DEPARTMENT OF BASIC EDUCATION**  
222 STRUBEN STREET  
PRETORIA

**NOTES**  
ARCHITECTS

**PROTOTYPE DESIGNS FOR PRIMARY & SECONDARY SCHOOLS**

**2 CLASSROOMS + STO:**  
**PLAN, SEC-AA & ELEVATIONS**  
CL2+STO-W

NO.	DATE	DESCRIPTION
1	2011-07-01	ISSUED FOR INFORMATION
2	2011-07-08	GENERAL UPDATE
3	2011-09-02	DESCRIPTION BOLTED



ELEVATION 1



ELEVATION 2

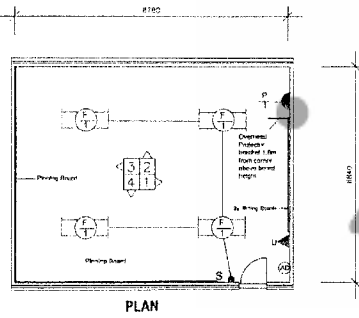


ELEVATION 3



ELEVATION 4

ELECTRICAL REQUIREMENTS				
SYMBOL	TYPE OF FITTING	LOAD (WATTS)	TOTAL No. REQUIRED	VOLTS/AMPS
	4.5m Fluorescent lighting with electronic control gear	18	4	240V
	16A 2 Pole Breaker	90	1	Wall 0.4m above F.F. to CA of Room
	Circuit Breaker for Future Fire Alarm System		1	Wall 2.25m A.F.F. 1.4m from corner
	Outlet Break for Future Alarm Panel		1	Wall 2.25m A.F.F. 1.20m from Corner
	Switch panel		1	Wall 1.2m A.F.F.



PLAN

NOTES:  
 FINISHES  
 FLOOR  
 CEILING  
 10% of equipment to be identified and permitted. Outlets, switches, conduits or cables should be marked and numbered in accordance with the relevant standards.  
 External: to be 1.5m finished with flush door panel, painted and glazed.  
 External: to be 1.5m finished with flush door panel, painted and glazed.  
 External: to be 1.5m finished with flush door panel, painted and glazed.

Revisions

DEPARTMENT OF TRANSPORT AND PUBLIC WORKS  
 SUB-DIRECTORATE WORKS EDUCATION

Consultant

Architect

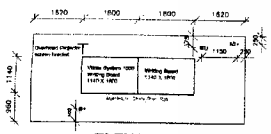
Service

STANDARD PLAN  
 PRIMARY SCHOOL

Drawing Title  
 FOUNDATION PHASE CLASSROOM  
 (60 sq m)

Scale	1:100	Drawn	g.f.
Date	12/04/2017	Checked	g.f.
Station	N.R. Islamabad	Proj. No.	181
Drawing Number	SDP 01 / 1		

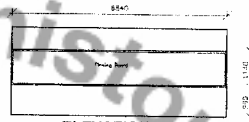
ANNEXURE C.1



ELEVATION 1



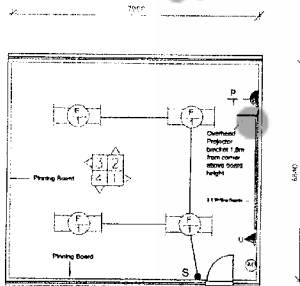
ELEVATION 2



ELEVATION 3



ELEVATION 4



PLAN

ELECTRICAL REQUIREMENTS				
SYMBOL	TYPE OF FITTING	LOAD EACH FITTING	TOTAL No REQUIRED	MOUNTING
	1.5m Fluorescent fitting open channel type with 2 X 58W lamps and electronic control gear	116	4	ceiling
	16A 3 Pin Flush Socket Outlet	500	1	Wall 0.4m above FFL to C/L of Box
	Outlet Point for Future Intercom System	-	1	Wall 2.225m AFFL 1.4m from corner
	Outlet Point for Future Alarms Detector	-	1	Wall 2.35m AFFL 250mm from corner
	Switch point	-	1	Wall 1.2m AFFL

NOTES  
 FINISHES  
 FLOOR  
 2.5mm thick tiles on cement by specialist  
 C/P, W/G  
 Use of materials shall to be determined and justified. Dependence on the availability of materials shall be stated on the drawings.  
 DOORS  
 External - to be FFL level with floor finish, primed and painted.  
 Internal doors - to be 1.8m high, primed and painted.

Revisions



DEPARTMENT OF TRANSPORT AND PUBLIC WORKS  
 SUB DIRECTORATE WORKS EDUCATION

Consultant

Architect

Service

STANDARD PLAN  
 PRIMARY SCHOOL

Drawing Title  
 SENIOR AND INTERMEDIATE PHASE CLASSROOM (54 SQ M)

Ref No. Design

Scale 1:100 Drawn G.F.

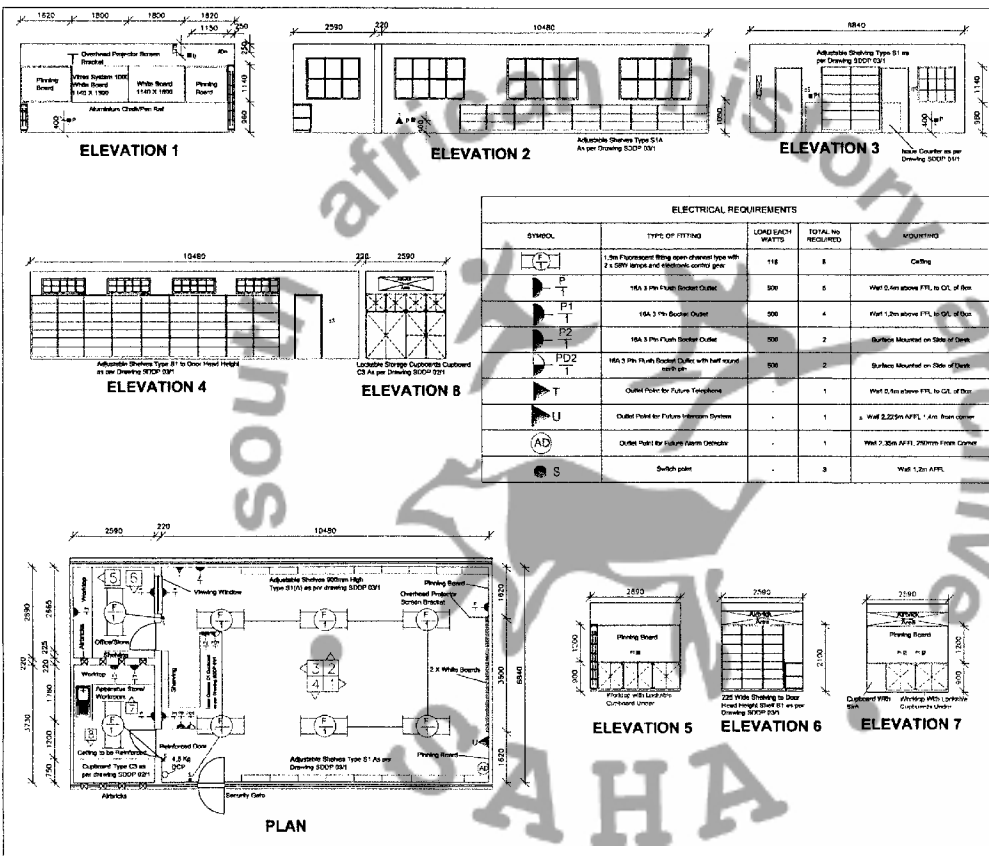
Date October 2007 Checked G.F.

Signature A.R. Nieuwoudt Prof. Reg. No. 4181

Drawing Number SDP 02 / 1

C2





ELECTRICAL REQUIREMENTS				
SYMBOL	TYPE OF FITTING	LOAD EACH WATTS	TOTAL NO REQUIRED	REMARKS
	1.5m Fluorescent Ring lamp down draught type with 2 x 40W lamps and electronic control gear	118	8	Ceiling
	16A 3 Pin Flush Socket Outlet	500	6	Wall 0.4m above FFL to GL of Box
	16A 3 Pin Flush Socket Outlet	500	4	Wall 1.2m above FFL to GL of Box
	16A 3 Pin Flush Socket Outlet	500	2	Surface Mounted on Side of Desk
	16A 3 Pin Flush Socket Outlet with half round neck cap	500	2	Surface Mounted on Side of Desk
	Outlet Point for Future Telephone	-	1	Wall 0.4m above FFL to GL of Box
	Outlet Point for Future Information System	-	1	Wall 2.225m AFFL - 4m from corner
	Outlet Point for Future Camera Connector	-	1	Wall 2.225m AFFL, 100mm from Corner
	Switch point	-	3	Wall 1.2m AFFL

**NOTES**

**FIREFIGHT**

**FLOOR**

**CEILING**

**DOORS**

**SECURITY**

Revisions

DEPARTMENT OF TRANSPORT AND PUBLIC WORKS

SUB-DIRECTORATE WORKS EDUCATION

Consultant

Architect

Service

STANDARD PLAN

PRIMARY SCHOOL

Drawing Title

MEDIA CENTRE (72sq m) with OFFICE STORE (7.5 sq m) and APPARATUS STORE / WORKROOM (9.66) sq m

Scale

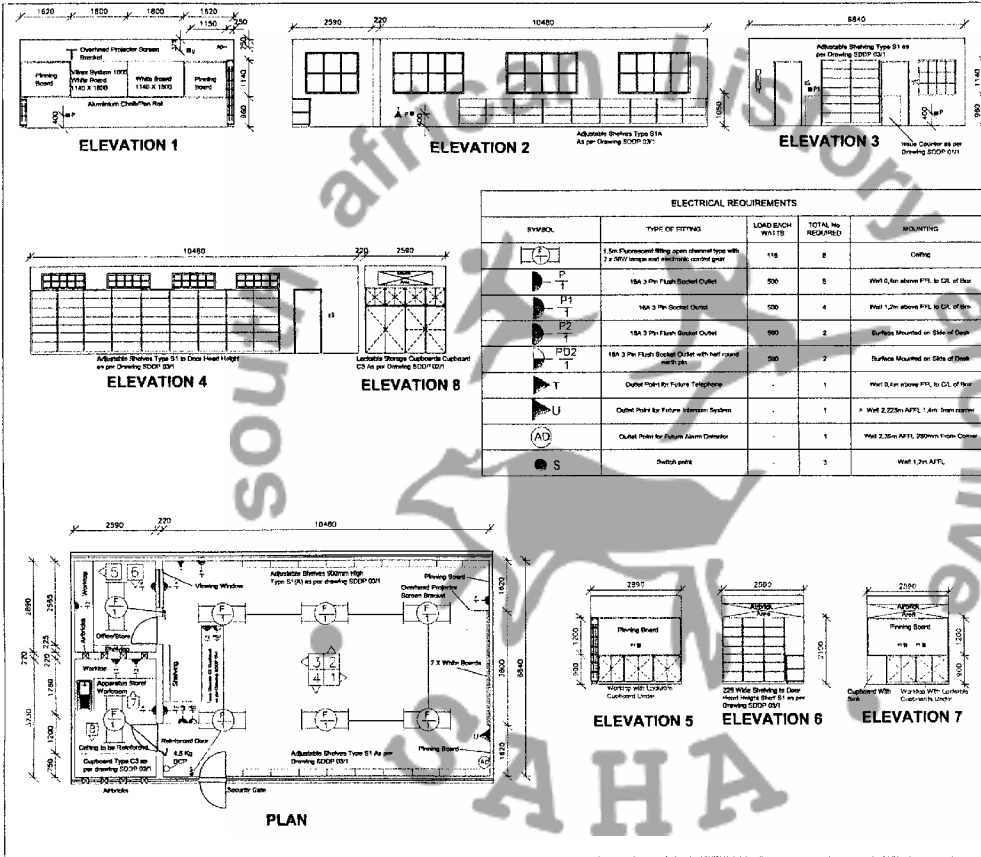
Date

Signature

Drawing Number

ANNEXURE F





ELECTRICAL REQUIREMENTS				
SYMBOL	TYPE OF FITTING	LOAD EACH W/1 TB	TOTAL No REQUIRED	MOUNTING
	1 Set Fluorescent fitting with down light with 2 x 20W tubes and electronic control gear	118	8	Ceiling
	18A 3 Pin Flush Socket Outlet	500	8	Wall 2.4m above FFL to CL of door
	18A 3 Pin Socket Outlet	500	4	Wall 1.2m above FFL to CL of door
	18A 3 Pin Flush Socket Outlet	500	2	Surface Mounted on Side of Door
	18A 3 Pin Flush Socket Outlet with half round earth pin	500	2	Surface Mounted on Side of Door
	Outlet Point for Future Telephone	-	1	Wall 2.4m above FFL to CL of door
	Outlet Point for Future Alarm System	-	1	Wall 2.25m AFFL 1.4m from corner
	Outlet Point for Future Alarm System	-	1	Wall 2.25m AFFL 200mm from corner
	Switch point	-	3	Wall 1.2m AFFL

**NOTES**

**FINISHES**

**FLOOR**

3.0mm Vinyl tiles on screed by specialist

**CEILING**

USP or porous cells to be selected and painted. Suspended ceiling panels to be 600mm (finished) external or 600mm internal at 400mm centres

**DOORS**

External - to be F1.9 hardwood with flush back panel, primed and painted (internal doors). Oiled oak flush panel doors - primed and painted

**SECURITY**

Steel burglar bars must be installed on all windows. Steel security gate to be installed on external door.

Revisions

DEPARTMENT OF TRANSPORT AND PUBLIC WORKS

SUB-DIRECTORATE WORKS EDUCATION

Consultant

Architect

Revision

STANDARD PLAN

PRIMARY SCHOOL

Drawing Title

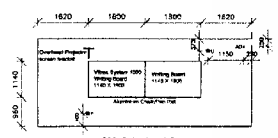
MEDIA CENTRE (72sq m) with OFFICE STORE (7.5 sq m) and APPARATUS STORE / WORKROOM (9.66) sq m

File No	Developed
Scale	1:50
Date	October 2007
Drawn	G.P.
Checked	G.P.
Author	A.R. HANCOCK
Proj. Reg. No.	4191

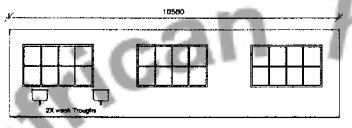
Drawing Number

SDP 05 / 1

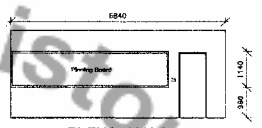
ANNEXURE F



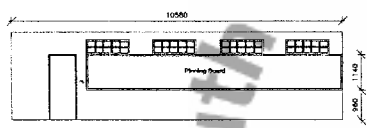
ELEVATION 1



ELEVATION 2

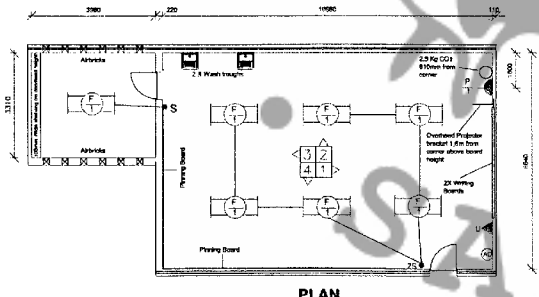


ELEVATION 3



ELEVATION 4

ELECTRICAL REQUIREMENTS				
SYMBOL	TYPE OF FITTING	LOAD FROM WATTS	TOTAL No. REQUIRED	MOUNTING
	1.8m Fluorescent strip open channel type with 2x 18W lamps and electronic control gear	114	7	Grid
	16A 3 Pin Flush Socket Outlet	330	1	Wall 2.4m above FFL to C/L of Box
	Control Point for Future Visoncam System	-	1	Wall 2.25m AFFL 1.6m from corner
	Outlet Point for Future Alarm Detector	-	1	Wall 2.25m AFFL 2.00m from corner
	Switch point	-	2	Wall 1.2m AFFL



PLAN

NOTES  
 FINISHES  
 FLOORS  
 2.5mm Vinyl tile on screed by specialist  
 CEILING  
 1.0m of acoustic slab to be delivered and painted. Suspended ceiling generally at 4.0m. (Structural ceiling at 3.600m) general at 4.00m ceiling  
 DOORS  
 External to be F.B hardware with Flush back panel, primed and painted  
 Internal doors: Solid core flush panel doors primed and painted

Revisions

DEPARTMENT OF TRANSPORT AND PUBLIC WORKS  
 SUB-DIRECTORATE WORKS EDUCATION

Consultant

Architect

Service

STANDARD PLAN  
 PRIMARY SCHOOL

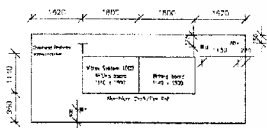
Drawing Title  
 ART/HANDWORK ROOM (72.4sq m)  
 AND  
 STORE (13.2 sqm)

Ref No.	Designer
Scale	Drawn G.F
Date	Checked G.F
Sketching	Prof. Reg. No.
Drawing Number	SDP 03 / 1

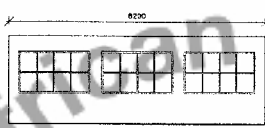
ANNEXURE G



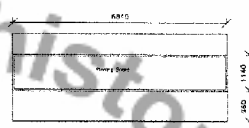
# SECONDARY SCHOOLS



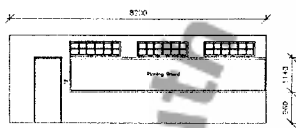
ELEVATION 1



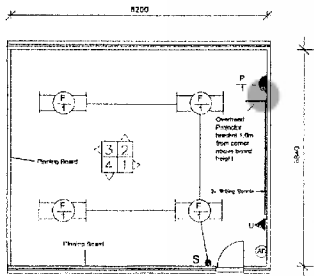
ELEVATION 2



ELEVATION 3



ELEVATION 4



PLAN

ELECTRICAL REQUIREMENTS				
SYMBOL	TYPE OF FITTING	LOAD EACH FITTING	TOTAL No. REQUIRED	REMARKS
	1. Six (6) Switches (Ring type) covered with 2 x 2.5mm terminals and electrical control gear	10A	4	Being
	1A. 2 No. (Type) Socket Outlet	500	1	With 2.5mm PVC to 250 of Size
	2. One (1) Light for Fluorescence System	1	1	With 2.5mm PVC to 1.4m. Non-convex
	3. One (1) Bell for Fire Alarm System	1	1	With 2.5mm PVC to 1.4m. Non-convex
	4. One (1) Door Lock	1	1	With 2.5mm PVC to 1.4m. Non-convex

NOTES:  
 FINISHES  
 FLOOR  
 1. Green Vinyl floor covered by carpeting  
 CEILING  
 1. 100% of concrete slab to be finished and painted. To provide ceiling provided as 1.5mm Fibreglass reinforced, on 100% of concrete ceiling.  
 DOORS  
 1. External to be PLMS finished with 100% black wood, primed and painted.  
 2. Internal to be PLMS finished with 100% black wood, primed and painted.

Revisions:



DEPARTMENT OF TRANSPORT AND PUBLIC WORKS  
 SUB-DIRECTORATE WORKS EDUCATION

Consultant:

Architect:

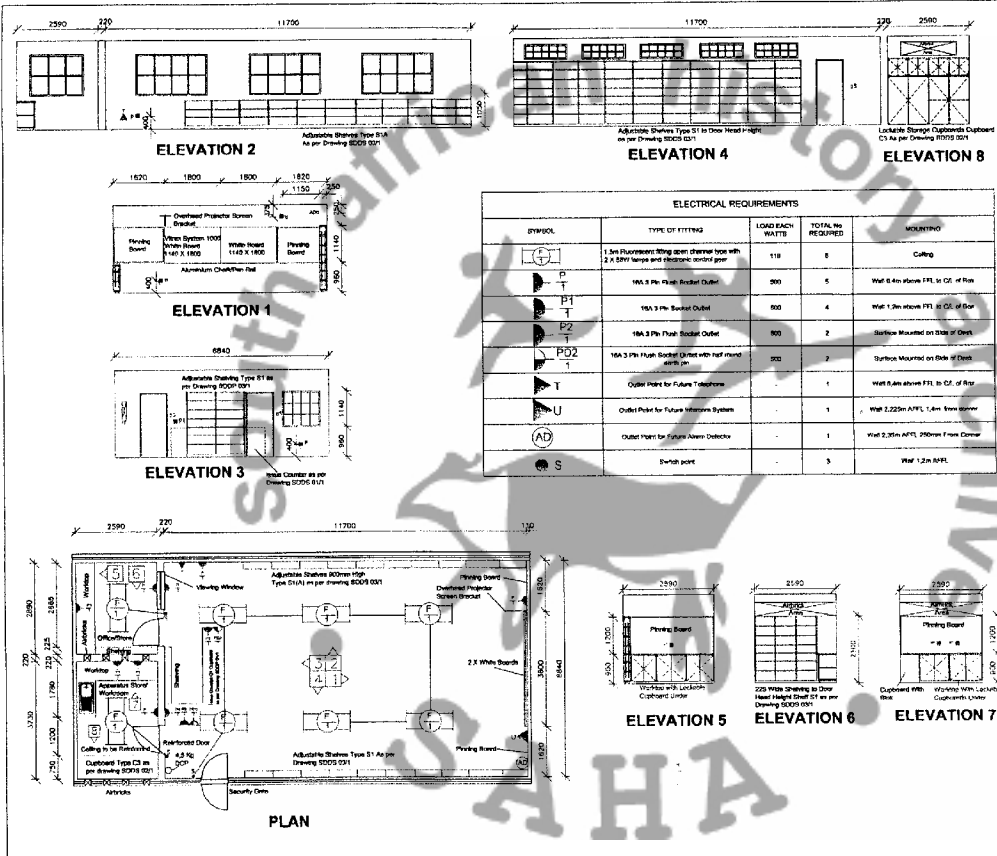
Service:

STANDARD PLAN  
 SECONDARY SCHOOL

Drawing Title  
 JUNIOR and SENIOR CLASSROOM (56 sq m)

Drawn by	Checked by
Scale 1:100	Sheet 01
Date 08 Dec 2007	Project 151
Signature A.R. Mwanuzi	Scale 1:100
Drawing Code SDS 05 / 1	

ANNEXURE A



ELECTRICAL REQUIREMENTS				
SYMBOL	TYPE OF FITTING	LOAD EACH WATTS	TOTAL NO REQUIRED	NOTES/STY
(Symbol)	1 Set Fluorescent Ring down channel type with 2 x 20W Tubes and electronic ballast gear	118	8	Ceiling
(Symbol)	16A 3 Pin Flush Socket Outlet	300	5	Wall 8.4m above FFL in CE of Rm
(Symbol)	16A 3 Pin Socket Outlet	300	4	Wall 1.2m above FFL in CE of Rm
(Symbol)	16A 3 Pin Flush Socket Outlet	300	2	Surface Mounted on Side of Desk
(Symbol)	16A 3 Pin High Socket Outlet with half round earth pin	300	2	Surface Mounted on Side of Desk
(Symbol)	Cable Point for Future Telephones	-	1	Wall 8.4m above FFL in CE of Rm
(Symbol)	Cable Point for Future Wireless Systems	-	1	Wall 2.25m AFFL, 1.4m from corner
(Symbol)	Cable Point for Future Access Controller	-	1	Wall 2.25m AFFL, 250mm from corner
(Symbol)	Switch point	-	3	Wall 1.2m AFFL

**NOTES**

**FINISHES**


**FLOOR**  
2. See 1007/1008 for details

**CEILING**  
Use of composite slab to be detailed and painted. Suspended ceiling generally on 6.4m Fibreboard attached on 30.4mm beams at 600mm centres

**DOORS**  
External - to be FLBB hardware with flush panel doors, painted and polished.  
Internal doors - Solid core flush panel doors, painted and polished

**SECURITY**  
Steel burglar bars must be installed on all windows. Steel security grills to be installed on external door

Revisions

  
DEPARTMENT OF TRANSPORT AND PUBLIC WORKS  
SUB-DIRECTORATE WORKS EDUCATION

Consultant

Architect

Service

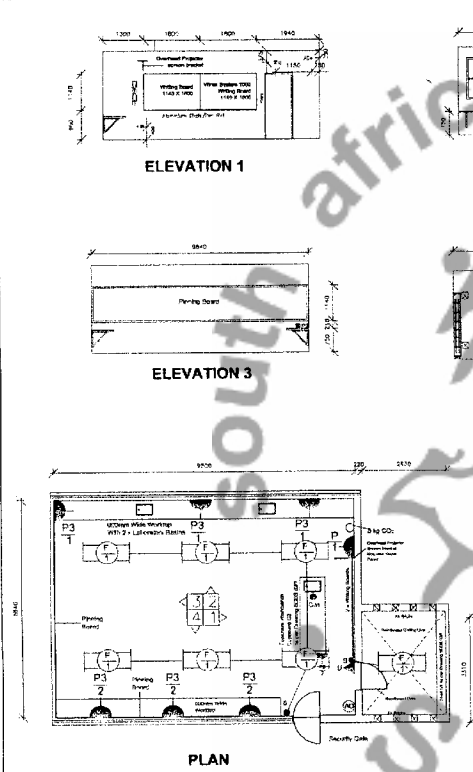
STANDARD PLAN  
SECONDARY SCHOOL

Drawing Title  
MEDIA CENTRE (80sq m) with OFFICE STORE (7.5 sq m) and APPARATUS STORE / WORKROOM (9.69) sq m

Rev No	Checked
Scale	Drawn
Date	Checked
Signature	Prof. Reg. No.
Drawing Number	

SDS 07 / 1

ANNEXURE I



ELECTRICAL REQUIREMENTS				
SYMBOL	TYPE OF FITTING	LOAD EACH (WATTS)	TOTAL NO. REQUIRED	NOTES
	1.5m Approximate Recessed Linear type with 2 x 20W lamps and electronic control gear	118	7	Decking
	16A 3 Pin Flush Socket Outlet	800	1	Wall 5.4m above FFL in C/L of Box
	16A 3 Pin Flush Socket Outlet	800	1	Surface on top of Desk
	16A 3 Pin Flush Socket Outlet	800	6	Wall 800mm AFFL in centre of outlet line
	Single Phase Powerpoint	1000	1	Wall 1.5m AFFL
	Outlet Point for Future Interlock System	-	1	Wall 2.25m AFFL 1.4m from corner
	Outlet Point for Future Alarm Detector	-	1	Wall 2.25m AFFL 250mm from corner
	Backup point	-	2	Wall 1.2m AFFL

NOTES  
 FINISHES  
 FLOOR  
 2.5mm Vinyl Tile on screed by sandblast  
 CEILING  
 15% of concrete slab to be structural and painted, in suspended ceiling generally on 8.4mm ribbed steel section, on 300x30mm sections at 400mm centres  
 DOORS  
 External to be FLBB hardwood with flush beam crest, primed and varnished  
 Internal doors Solid core flush panel doors primed and varnished

Revisions

DEPARTMENT OF TRANSPORT AND PUBLIC WORKS  
 SUB-DIRECTORATE WORKS EDUCATION

Consultant

Architect

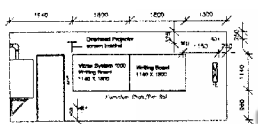
Revision

STANDARD PLAN  
 SECONDARY SCHOOL

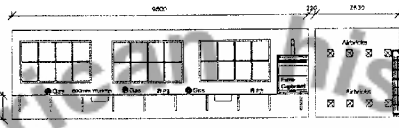
Drawing Title  
 GENERAL SCIENCE LABORATORY (65 sq m) and STORE ( 8,7 sq m)

Rev No	Designed
Scale	1:100
Date	February 2008
Specimen	A. B. Mphahlele
Drawing Number	SDS 04 / 1

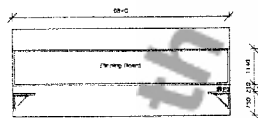
ANNEXURE J



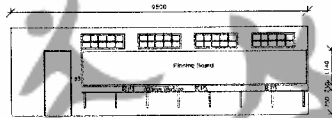
ELEVATION 1



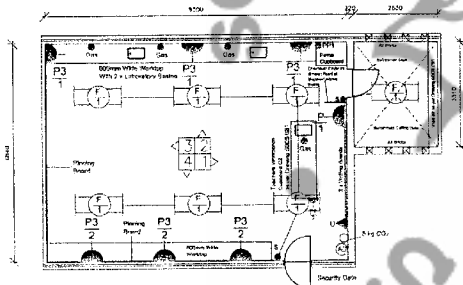
ELEVATION 2



ELEVATION 3



ELEVATION 4



PLAN

ELECTRICAL REQUIREMENTS				
SYMBOL	TYPE OF FITTING	LOAD EACH WATTS	TOTAL No. REQUIRED	MOUNTINGS
	1.5m Fluorescent fitting with channel type with 2 x 200w lamps and electronic control gear	114	7	Chips
	1BA 3 Pin Flush Socket Outlet	600	1	Wall 8.6m above FFL to CL of Bar
	2BA 3 Pin Flush Socket Outlet	600	1	Surface on Slope of Deck
	1BA 3 Pin Flush Socket Outlet	600	6	Wall (600mm AFFL) to centre of outlet box
	Single Phase Fluorescent	1000	1	Wall 1.5m AFFL
	Outlet Point for Future Intercom System	-	1	Wall 2.25m AFFL, 1.2m from corner
	Outlet Point for Future Alarm Detector	-	1	Wall 2.25m AFFL, 250mm from Corner
	Switch point	-	2	Wall 1.2m AFFL


**NOTES**

**FLOOR**  
Down View floor as shown by specialist

**CEILING**  
Use of concrete slabs to be plastered and painted. Suspended ceiling generally as shown (minimum 600mm x 600mm panels at 600mm centres).

**DOORS**  
External: In the FL (FL) hardware with flush back panel, primed and painted.  
Internal doors: Solid core flush panel doors, primed and painted.

Revisions



DEPARTMENT OF TRANSPORT AND PUBLIC WORKS  
SUB-DIRECTORATE WORKS EDUCATION

Consultant

Architect

Service

STANDARD PLAN  
SECONDARY SCHOOL

Drawing Title  
PHYSICAL SCIENCE LABORATORY (65 sq m) and STORE (8.7 sq m)

WT No. Original

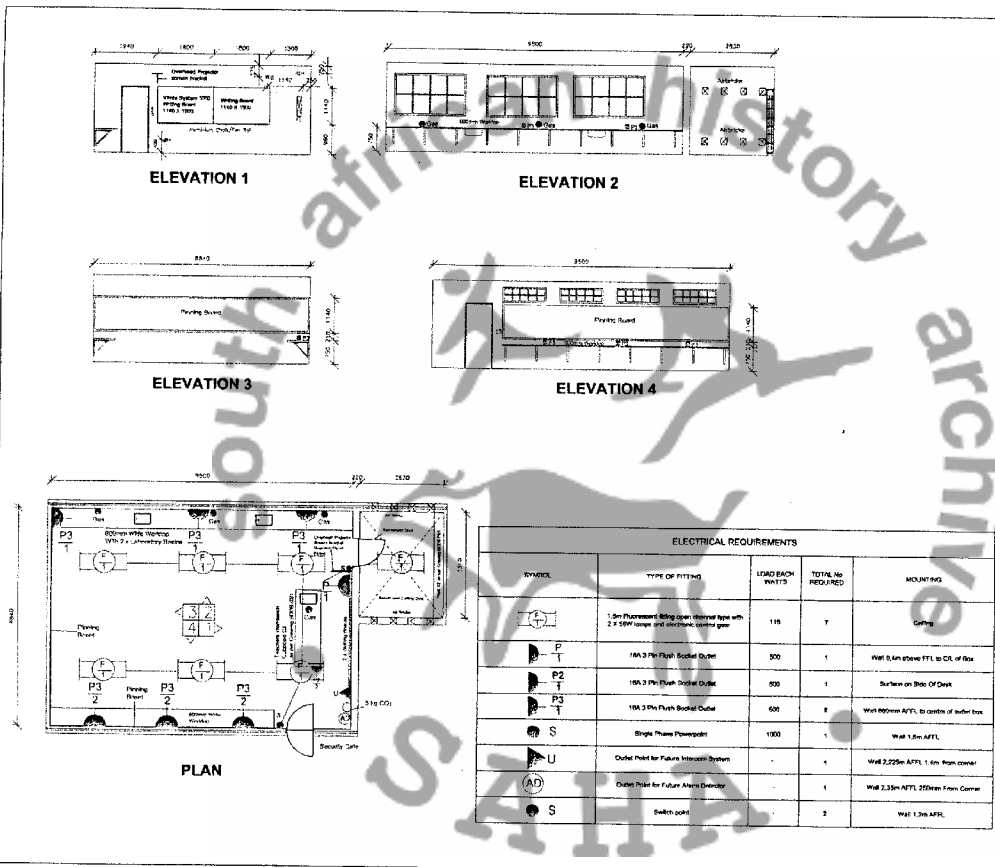
Scale 1:100 Drawn G.F.

Date February 2008 Checked G.F.

Signature A.R. Mwanuzi Phd. Reg. No. #181

Drawing Number SDS 03 / 1

ANNEXURE K




**NOTES:**

**FLOORING**  
 2. Show Vinyl tiles on screen by supplier!

**CEILING**  
 1. Use of concrete slab to be planned and painted. Suspended ceiling generally at 2.4m. Whereboard selected on 300x300mm squares at 600mm centres.

**DOORS**  
 1. External to be FL50 hardware with built-in panel, pre-set and painted. Internal doors. Solid core flush panel doors, pre-set and painted.

Revisions

  
 DEPARTMENT OF TRANSPORT AND PUBLIC WORKS  
 SUB-DIRECTORATE WORKS EDUCATION

Consultant









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Service

**STANDARD PLAN  
 SECONDARY SCHOOL**

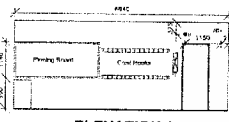
Drawing Title  
**BIOLOGY LABORATORY (65 sq m)  
 and STORE ( 8.7 sq m)**

Ref No.	Designed
Scale	1:100
Date	February 2008
Signature	A.C. Moyo
Drawing Number	SDS 02 / 1

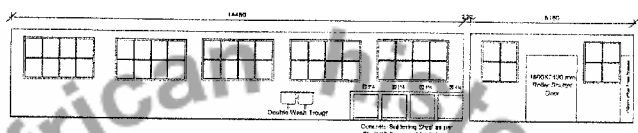
ELECTRICAL REQUIREMENTS				
SYMBOL	TYPE OF FITTING	LOAD EACH FITTING	TOTAL No. REQUIRED	MOUNTING
	1.0m Fluorescent, 800mm internal size with 2 x 15W lamps and electronic control gear	115	7	Ceiling
	18A 3 Pin Flush Socket Outlet	500	1	Wall 0.4m above FFL to CL of Box
	18A 2 Pin Flush Socket Outlet	500	1	Surface on Side Of Desk
	18A 3 Pin Flush Socket Outlet	500	1	Wall 1800mm AFFL to outside of outlet box
	Single Phase Powerpoint	1000	1	Wall 1.5m AFFL
	Outlet Point for Future Intercom System	-	1	Wall 2.25m AFFL 1.4m from corner
	Outlet Point for Future Alarm Detector	-	1	Wall 2.25m AFFL 250mm from Corner
	Switch point	-	2	Wall 1.2m AFFL

ANNEXURE L

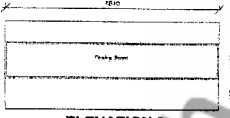




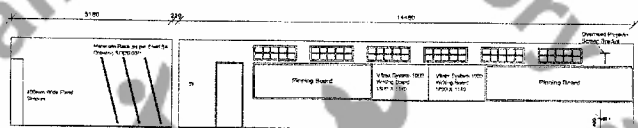
ELEVATION 1



ELEVATION 2



ELEVATION 3

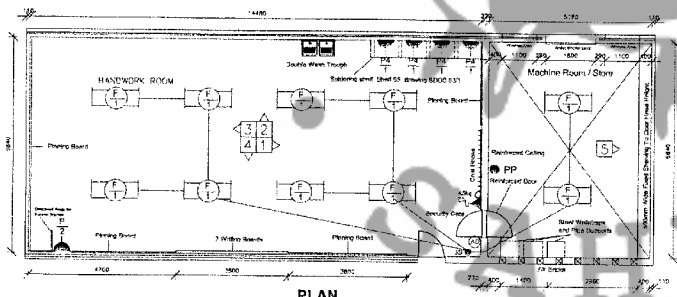


ELEVATION 4

S.I.E. MATERIAL REQUIREMENTS			
SYMBOL	TYPE OF MATERIAL	QUANTITY	REMARKS
1	100% PORTLAND CEMENT	118	118
2	40% GRAVEL	680	680
3	10% SAND	100	100
4	20% SAND	270	270
5	10% SAND	1	1




ELEVATION 5



PLAN

Revisions

  
 DEPARTMENT OF TRANSPORT AND PUBLIC WORKS  
 SUB-DIRECTORATE WORKS EDUCATION

Consultant

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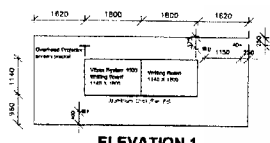
STANDARD PLAN  
SECONDARY SCHOOL

Drawing Title

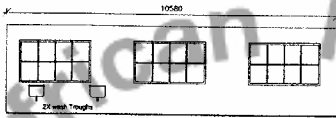
HANDWORK ROOM (99sq m)  
and MACHINE ROOM/STORE (35,4 sq m)

Scale	1:100	Checked	O.F.
Date	Oct-Nov 2007	Checked	O.F.
Signature	A. S. Mwanuzi	Perk. Sign. No.	4191
Drawing Number	SDS 09 / 1		

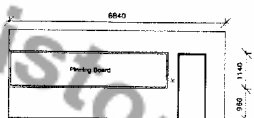
ANNEXURE M



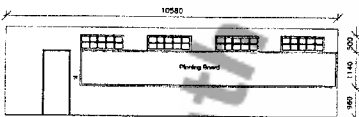
ELEVATION 1



ELEVATION 2

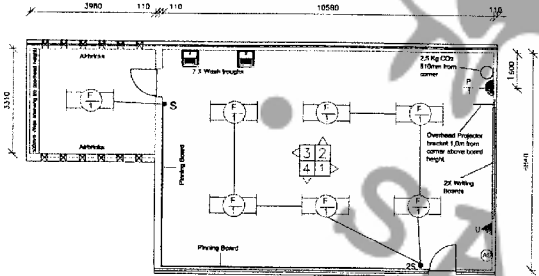


ELEVATION 3



ELEVATION 4

ELECTRICAL REQUIREMENTS				
SYMBOL	TYPE OF FITTING	LOAD EACH WATTS	TOTAL No REQUIRED	MOUNTING
	1.5m Fluorescent Ring open channel tube with 7.5 TBM lamps and electronic ballast gear	114	7	Ceiling
	18A 3-Phase Plastic Switch Outlet	300	1	From 0.6m above FFL to CCL of Room
	Outlet Panel for Future Alarm System	-	1	Wall 2.25m AFFL 1.4m from corner
	Outlet Panel for Future Alarm Detector	-	1	Wall 2.35m AFFL 250mm from Corner
	Socket point	-	2	Wall 1.2m AFFL



PLAN

NOTES:  
 FLOORING  
 2.5mm Vinyl tiles on raised sub-floor  
 CEILING  
 U/G of concrete slab to be grouted and polished. Suspended ceiling covers in 0.6m R/C slabwork elevated on 150mm battens at 450mm centres  
 DOORS:  
 External to be F.R.R. handwood with flush back panel, painted and varnished.  
 Internal doors: Both core flush panel doors, painted and varnished.

Revisions

DEPARTMENT OF TRANSPORT AND PUBLIC WORKS  
 SUB-DIRECTORATE WORKS EDUCATION

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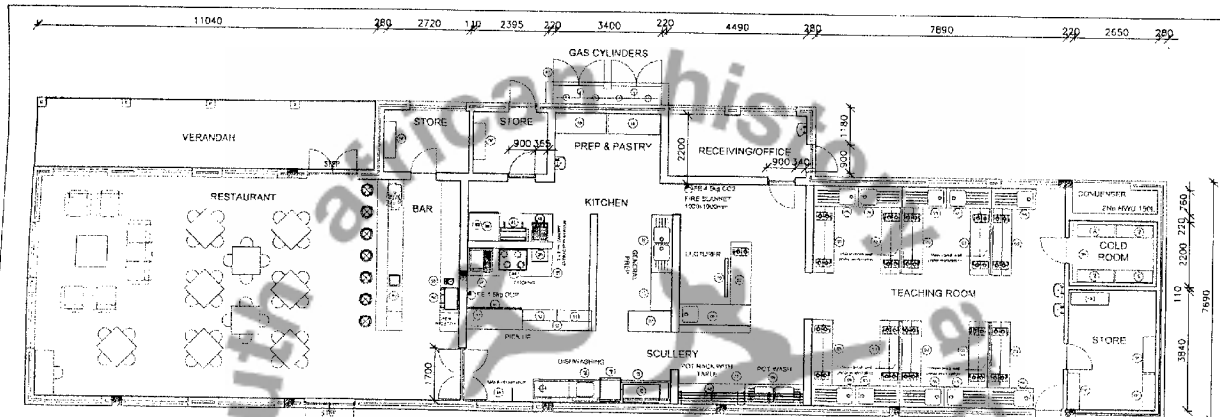
STANDARD PLAN  
 SECONDARY SCHOOL

Drawing Title  
 ART ROOM (72.4sq m)  
 AND  
 STORE (13.2 sqm)

Ref No.	Designer
Scale	Drawn
Date	Checked
Specimen	And. Eng. No.

Drawing Number  
 SDS 01 / 1

ANNEXURE N



ITEM	QUANTITY	DESCRIPTION
3	10	STAINLESS STEEL WORKSTATION WITH 232 FLAMBER HOSE - FIVE UP-SHELVES
4	4	STAINLESS STEEL SINK 1400X600X100 CW 50 REAR
5	3	STAINLESS STEEL SINK 1400X600X100 CW 50 REAR
6	1	STAINLESS STEEL SINK 1400X600X100 CW 50 REAR
7	1	STAINLESS STEEL SINK 1400X600X100 CW 50 REAR
8	1	FOSTER 4' 1/4" SHELVESS 1200X600X100
9	1	STAINLESS STEEL WORKSTATION WITH 2 BURNER HOSE
10	1	STAINLESS STEEL TABLE WITH SINK 1400X600X100
11	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
12	2	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
13	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
14	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
15	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
16	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
17	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
18	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
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26	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
27	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
28	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
29	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
30	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
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32	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
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38	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
39	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
40	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
41	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
42	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
43	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
44	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
45	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
46	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
47	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
48	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
49	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
50	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
51	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
52	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
53	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
54	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
55	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
56	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
57	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
58	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
59	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600
60	1	STAINLESS STEEL TABLE WITH GALV UNDERSHELF 1200X600

ITEM	QUANTITY	DESCRIPTION
61	1	TOASTER 9 SLICE
62	1	GLASS RACK SHELF AT DISHWASHER 1200X600X200
63	1	PAVIL CONVECTION OVEN 15 PAN QTY 10 1200X600X1700 ELECTRIC MODEL
64	1	STAINLESS STEEL SINK FOR AMPLI OVEN QTY 10 1111
65	1	COLD ROOM
66	1	AIR EXTRACTION HOOD SYSTEM
67	1	DISH WASHER
68	1	MIXER UP GRILL/GRIVE
69	1	FREEZER
70	1	MIRROR 1000MM DIAMETER AT ANGLE ABOVE WORKSTATION

DEPARTMENT OF TRANSPORT AND PUBLIC WORKS  
 SUB-DIVISION OF WORKS EDUCATION

COMPILED BY: [Name]

APPROVED BY: [Name]

DATE: [Date]

STANDARD PLAN  
 SECONDARY SCHOOL

DESIGNED BY: [Name]  
 HOSPITALITY STUDIES  
 FET TEACHING, KITCHEN and  
 RESTAURANT FACILITY

DATE: 1-1-88  
 CHECKED: GF

DATE: March 2008  
 CHECKED: GF

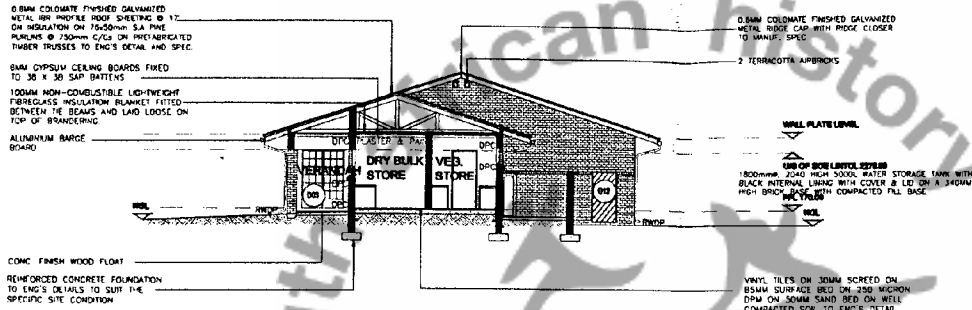
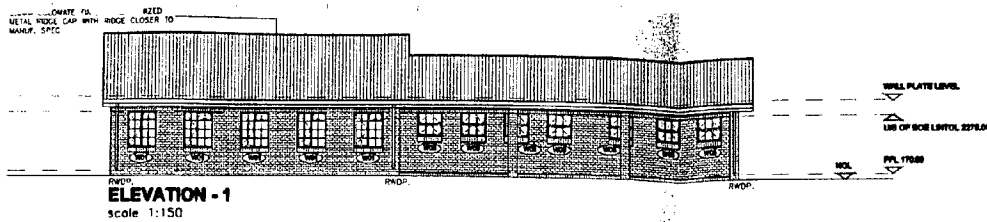
APPROVED BY: A.R. Moushahid  
 DATE: 24/04/08

Drawing Number: SDS 10 / 1

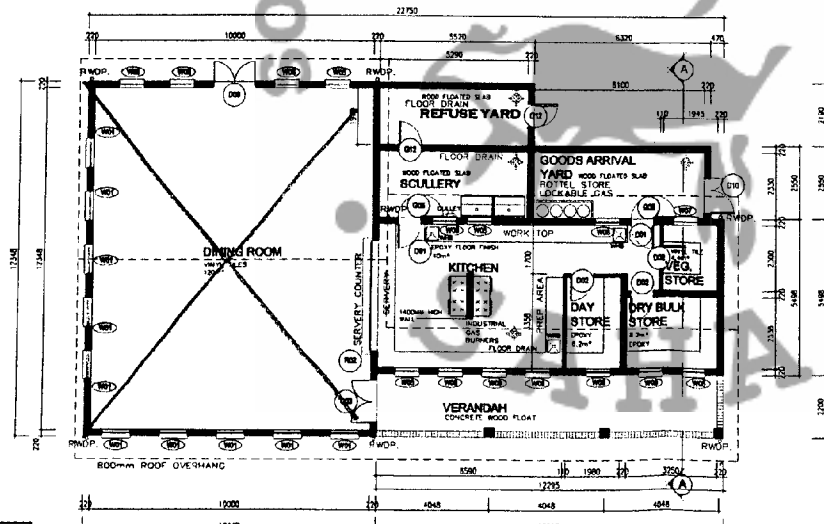
ANNEXURE D



**GENERAL**



**TYPICAL SECTION A-A**  
scale 1:150



**DNC-W**

**PLAN - EDUCATIONAL SUPPORT SPACES - DINING ROOM & NUTRITION CENTRE**  
scale 1:150

AK XI

- DRAWINGS ARE NOT TO BE SCALED.
- POSITION OF CONCRETE RAIN WATER CHANNELS ARRANGEMENT TO BE RECONFIGURED ON SITE.
- POSITIONS OF RAMPS TO BE DETERMINED BY PROJECT ARCHITECT.

NO.	DATE	DESCRIPTION
0	2011-07-18	ISSUED FOR INFORMATION
1	2011-08-01	ELEV-2 REMOVED FLOOR DRAIN SHOWN @ GOODS ARRIVAL GULLEYS SHOWN AND GENERAL UPDATE



**DEPARTMENT OF BASIC EDUCATION**  
222 STRUBEN STREET  
PRETORIA

NOTSEPE ARCHITECTS

10-071\_A-D-A-125W

**PROTOTYPE DESIGNS FOR PRIMARY & SECONDARY SCHOOLS**

**DINING NUTRITION CENTRE: PLAN, SEC-AA & ELEVATION**

**DNC-W**

NO.	DATE	DESCRIPTION
1	2011-08-01	ISSUED FOR INFORMATION





ANNEXURE G











## CONSULTANTS:

PREVIOUS PROJECT REFERENCE	ARCHITECT	CIVIL/ STRUCTURAL ENGINEER	QUANTITY SURVEYOR	ELECTRICAL ENGINEER
Group 1/2010: Citrusdal and Naphakade Secondary schools	Greenwald & Preller Architects	PD Naidoo & Ass	DV Boland Consulting (PTY) LTD	NWE Consulting
Estimated fees:	R 6.217.463.07	R 2.942.489.21	R 4.156.058.20	R 1.354.874.97
Fee as % of Construction Cost	7.48%	3.54%	5.00%	1.63%

## CONSULTANTS:

PREVIOUS PROJECT REFERENCE	ARCHITECT	CIVIL/ STRUCTURAL ENGINEER	QUANTITY SURVEYOR	ELECTRICAL ENGINEER
Masakhane PS	Kestrel Studios	CSM Consulting	Michael Georgala Enterprises	DMA Engineers
Estimated fees:	R 2.321.330.71	R 1.098.597.69	R 1.551.691.65	R 505.851.48
Fee as % of Construction Cost	7.48%	3.54%	5.00%	1.63%

## CONSULTANTS:

PREVIOUS PROJECT REFERENCE	ARCHITECT	CIVIL/ STRUCTURAL ENGINEER	QUANTITY SURVEYOR	ELECTRICAL ENGINEER
Northpine SS	Meyer & Vorster	Kwezi V3	Omkhai Consulting	Mapule Consulting Engineers
Estimated fees:	R 7.173.124.17	R 3.394.767.32	R 4.794.869.10	R 1.563.127.33
Fee as % of Construction Cost	7.48%	3.54%	5.00%	1.63%

## CONSULTANTS:

PREVIOUS PROJECT REFERENCE	ARCHITECT	CIVIL/ STRUCTURAL ENGINEER	QUANTITY SURVEYOR	ELECTRICAL ENGINEER
Group 5/2010: Melkbosstrand SS, Oaklands SS, Parklands PS	Neil Wilson	Arcus Gibb	Backeberg Consulting	Arcus Gibb
Estimated fees:	R 7.712.684.40	R 3.650.120.69	R 5.155.537.70	R 1.680.705.29
Fee as % of Construction Cost	7.48%	3.54%	5.00%	1.63%

## CONSULTANTS:

PREVIOUS PROJECT REFERENCE	ARCHITECT	CIVIL/ STRUCTURAL ENGINEER	QUANTITY SURVEYOR	ELECTRICAL ENGINEER
Group 2A/2010: Formosa PS & Pacaltsdorp PS	Ferrenkoffen Architects	Iliso consulting	Chauke OS	BDE Consulting Engineers
Estimated fees:	R 2.140.467.38	R 1.013.001.94	R 1.430.793.70	R 466.438.75
Fee as % of Construction Cost	7.48%	3.54%	5.00%	1.63%

## CONSULTANTS:

PREVIOUS PROJECT REFERENCE	ARCHITECT	CIVIL/ STRUCTURAL ENGINEER	QUANTITY SURVEYOR	ELECTRICAL ENGINEER
Group 6/2010: Entshona PS, Fairview PS, Plantation PS	Revel Fox Architects	BSP Consulting	Lantoe, Key, Kotze	S Jemali Consulting
Estimated fees:	R 8.713.958.55	R 4.123.985.73	R 5.824.838.60	R 1.896.897.36
Fee as % of Construction Cost	7.48%	3.54%	5.00%	1.63%

**A1 METRO SOUTH**

School No.	School Name	Construction	Prof. Fees	Total
1	Delta PS	R 30.147,874	R 5.426.617	R 35.574.491
2	Die Duine PS	R 31.575,646	R 5.683.616	R 37.259,262
3	Sophumelela SS	R 21.397,644	R 3.851,576	R 25,249,220
Total:		R 83.121,164	R 14,961,809	R 98,082,973

**A2 OVERBERG**

School No.	School Name	Construction	Prof. Fees	Total
4	Hawston PS	R 31.033,833	R 5,586,090	R 36,619,923

**A3 METRO CENTRAL**

School No.	School Name	Construction	Prof. Fees	Total
5	Heideveld PS	R 31,921,427	R 5,745,857	R 37,667,284
6	Kensington SS	R 36,046,150	R 6,488,307	R 42,534,457
7	Portia PS	R 27,929,805	R 5,027,365	R 32,957,170
Total:		R 95,897,382	R 17,261,529	R 113,158,911

**A4 METRO NORTH**

School No.	School Name	Construction	Prof. Fees	Total
8	Kasselsvlei PS	R 37,127,297	R 6,682,913	R 43,810,210
9	Sophakama PS	R 29,229,688	R 5,261,344	R 34,491,032
10	Valhalla SS	R 36,753,769	R 6,615,678	R 43,369,447
Total:		R 103,110,754	R 18,559,935	R 121,670,689

**A5 EDEN/KAROO**

School No.	School Name	Construction	Prof. Fees	Total
11	Knysna PS	R 28,615,874	R 5,150,857	R 33,766,731

**A6 WEST COAST**

School No.	School Name	Construction	Prof. Fees	Total
12	Westleur PS	R 46,322,394	R 8,338,031	R 54,660,425
13	Parkview PS	R 29,888,573	R 5,379,943	R 35,268,516
14	Willemsvallei PS	R 40,285,805	R 7,251,445	R 47,537,250
Total:		R 116,496,772	R 20,969,419	R 137,466,191