

SIP 13 EASTERN CAPE SCHOOL BUILDING PROGRAMME

PRESENTATION TO THE PORTFOLIO COMMITTEE ON PUBLIC WORKS



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1. BACKGROUND

- To ensure that learners are schooled in a proper learning environment, the Presidential Infrastructure Coordinating Committee (PICC) has launched a national school building programme.
- Strategic Integrated Project 13 (SIP 13), which is driven by uniformity in planning, procurement and contract management, as well as by the provision of basic services, was established.
- SIP 13 was launched to deal with the major challenges that schools face through interventions like replacing inappropriate school structures including mud schools, providing basic services and addressing basic-services backlogs.
- The programme also focuses on the national classroom, library, computer lab and administration building backlogs.

1. BACKGROUND contd

- Improving the learning environment will strengthen outcomes, especially at rural schools, and reduce overcrowding.
- The Department of Basic Education (DBE) has engaged the Department of Public Works (DPW) to collaborate in the building of school infrastructure in the Eastern Cape and the school beautification programme through the Accelerated School Infrastructure Delivery Initiative (ASIDI).
- A draft Memorandum of Agreement (MOA) between DBE and DPW have been developed and is currently undergoing final consultation before signing by the Accounting Officers of the two Departments.

2. GOVERNANCE, ROLES AND RESPONSIBILITIES contd.

- DPW is responsible for the management of the allocated schools to ensure:
 - delivery of quality projects; on time and within budget; and
 - that programme funds are utilised for the purpose intended
- IDT and Coega Development Corporation will be engaged as Implementing Agents for the two programmes.

3. AGREEMENT BETWEEN DBE AND DPW

SCHOOL BUILDING PROGRAMME

- There are 64 schools identified by DBE for upgrade;
- Of these, 30 have been allocated directly to IDT by DBE;
- The remaining 34 have been allocated to DPW;
- DPW is currently undertaking high level (desk-top) analysis of the 34 allocated schools, based on agreed criteria with DBE, to determine the exact number of schools to be upgraded.

SCHOOL BEAUTIFICATION PROGRAMME

- There are 900 schools to be beautified in total, across all 9 provinces
- Priority is given to Limpopo with the 2 areas earmarked for commencement of the project being:
 - Vhembe (19 No;) and
 - Waterberg (4 No).

4. PROPOSED INTERVENTIONS

- Seek to reduce consultant costs
- Improve operational efficiency
- Use of standardised designs
- Provide provisional bill of quantities

5. PROPOSED FRAMEWORK (BUILDING PROGRAMME)

PRE-PROJECT

Re-orientation on focus = One dedicated Key Account Manager (Programme Manager) for Education, including the attendant planning components

DPW	GIAMA	PROJECTS	(AM) ASSET MANAGEMENT	Portfolio Analysis (PA)
			(PS) PROFESSIONAL SERVICES	Portfolio Performance Monitoring (PPM)
	PROPERTY	PROPERTY MANAGEMENT	PROPERTY MANAGEMENT	Architectural Services
			Programme Management	Engineering (Mech, Elec, Civil)
IDT	PROPERTY	PROPERTY MANAGEMENT	PROPERTY MANAGEMENT	Town Planning
			Programme Management	Quantity Surveying
			PROPERTY MANAGEMENT	Project Management
			PROPERTY MANAGEMENT	Property Evaluations
			PROPERTY MANAGEMENT	Property Administration
			Programme Management	Project Management
			Programme Management	Project Administration

5. PROPOSED FRAMEWORK cont... (REQUIREMENT FOR OPERATIONAL EFFICIENCY)

- **To cover design, documentation and construction phases:**
 1. Need agreement on standard designs, not more than 4 per portfolio segment on modular principles to suite Education services and operational requirements. **2 months delivery time.**
 2. Production of provisionally measured Bills of Quantities (BOQ) on standard designs for Education. **4 month delivery time.**

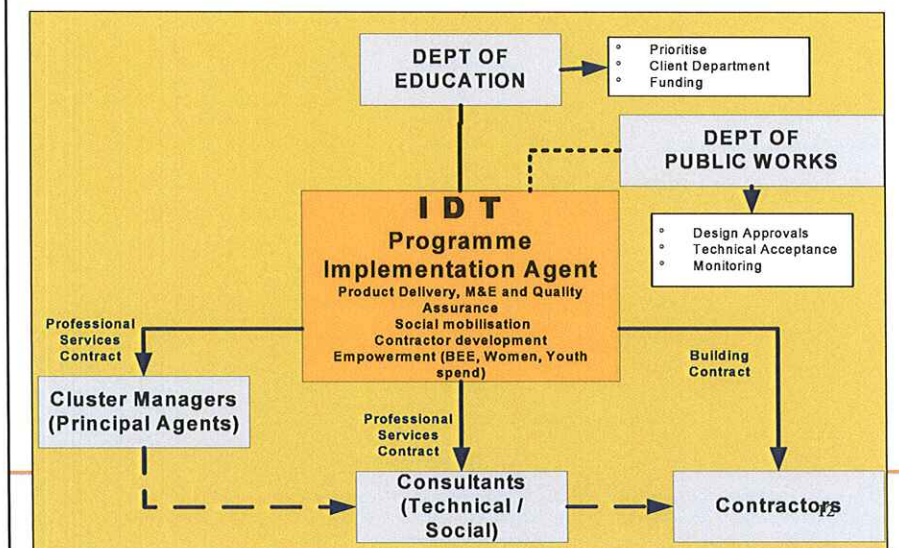
6. IDT CAPACITY

- National presence with offices in each of the 9 provinces;
- Core team of programme management staff supplemented by professional teams from private sector;
- Proven competent programme management skills reinforced by robust development administration competencies.
- Sound financial management systems (obtained an unqualified audit over a consecutive period of 8 years).
- Robust management systems and tools to aid programme implementation and enhance outcomes achievement and reporting. These include:-
 - an electronic based beneficiary information system (BIMS),
 - electronic programme management systems
 - world class project planning and management methodologies

6. IDT CAPACITY (cont..)

- Ability & experience to appoint professionals and contractors timeously in order to complete infrastructure projects;
- Ability & experience to undertake social facilitation in each of the areas where projects are to be undertaken;
- Sufficient knowledge within each province to ensure that local service providers are utilised.
- The IDT has its own in-house Legal Services Unit that serves its clients by providing them with a full suite of legal assistance and advisory services in various areas of expertise.

7. IDT SERVICE DELIVERY MODEL (for ASIDI)



8. COST OF ACM vs BRICK & MORTAR

REGION	Project Name	DISTRICT	No. of New Classrooms	Total Square Metres of Construction	ACM Final Construction Cost	ACM Cost/Square Meter	Brick & Mortar Costing	Brick & Mortar Cost/Square Meter	Savings realised by using ACM
EC	Nomkolokoto JSS	Mt Frere	16	2118	R 11 114 137	R 5 247	R 15 055 595	R 7 108	26%
EC	Pakamani SSS	Ngcobo	14	1810	R 10 137 495	R 5 601	R 12 441 074	R 6 874	19%
EC	Gulandoda SPS	Ngcobo	10	1561	R 8 170 476	R 5 234	R 9 341 379	R 5 984	13%
EC	Willowvale SSS	Willowvale	18	2405	R 13 037 523	R 5 421	R 15 108 111	R 6 282	14%
EC	Nduku JSS	Dutywa	9	1409	R 7 692 415	R 5 459	R 11 426 996	R 8 110	33%
EC	Hlwahlwazi JSS	Lusikisiki	22	2428	R 9 813 586	R 4 042	R 23 043 179	R 9 491	57%
EC	Mgwili PS	Lusikisiki	10	1217	R 6 357 926	R 5 224	R 13 250 698	R 10 888	52%
EC	Ntlangano JSS	Lusikisiki	18	2020	R 9 228 242	R 4 568	R 17 756 497	R 8 790	48%
EC	Rwantsana JSS	Tabankulu	10	1776	R 9 485 024	R 5 341	R 18 532 000	R 10 435	49%
EC	Mhleleni JSS	Lusikisiki	15	2462	R 11 043 570	R 4 486	R 16 733 283	R 6 797	34%
NW	Myrra Primary	Taung	7	1885	R 7 264 393	R 3 854	R 8 771 000	R 4 653	17%
NW	Setumo Secondary	Taung	12	1981	R 8 149 912	R 4 114	R 13 438 800	R 6 784	39%
Total Construction Costs					R 111 494 698.07		R 174 898 612		
Average Cost per School					R 9 291 225		R 14 574 884		13
Average Cost per Square Metre					R 4 832		R 7 581		
Average Cost per Classroom					R 692 514		R 1 086 327		

Generic Delivery Cycle

DELIVERY OF SCHOOLS INFRASTRUCTURE
IN SUPPORT OF DBE

CLOSE OUT & HANDOVER
 • Schools handed over to beneficiary communities, DBE and Prov DoE
 • Make arrangements for monitoring to ensure that there are no latent defects post practical handover
2 Weeks IDT/DBE/PROV DoE

IMPLEMENTATION
 • Sites establishment
 • Construction & Contract Management
 • Empowerment Initiatives implementation
 • Completion Procedures & Close-out
3 – 12 Months IDT

DESIGN APPROVAL & PROCUREMENT
 • DBE approves Designs & Documentation for upgrade work
 • Contractors procurement by IDT
6 Weeks DBE & IDT

DESIGN & DOCUMENTATION
 • IDT commissions Professional Teams for Design & Tender Documentation (only for upgrade work where standard designs exist)
 • IDT reviews and evaluates designs for appropriateness & cost effectiveness
3 Weeks IDT

BUDGET & PROCUREMENT PLAN APPROVAL
 • DBE approves Budget and Cash-flow Projections
 • IDT presents Procurement Plan for approval
1 Week DBE & IDT

DBE CONTRACTING WITH NDPW/IDT
 • Conclude engagement terms between DBE, NDPW & IDT
 • Agree on programme priorities and programme scope
2 Weeks DBE/NDPW/IDT

DELIVERY MODE PLANNING
 • Engage NDPW & DBE on modes of delivery such as ACMs, Standard Designs, innovative work contracting arrangement etc.
 • Agreement reached on delivery approach and priority districts
 • Agree on standard designs (if existing)
2 Weeks IDT/NDPW/DBE

PROVINCIAL STAKEHOLDER ENGAGEMENT
 • IDT engages provincial DoE and DPW
 • IDT engages stakeholders in affected schools
2 Weeks IDT

SITE EVALUATIONS & COST ESTIMATES
 • IDT Appoints Professional Teams for Site Evaluations
 • Detailed scope of works based Site Evaluations with Cost Estimates Done
5 Weeks IDT

ESTIMATES / SCOPE OF WORK
 • DBE reviews detailed Scope and Estimate
 • Scope & Budget finalised per Project
 • Decision taken on projects to be prioritised
2 Weeks DBE

LEGEND
 • NDPW – National Department of Public Works
 • DBE – National Department of Basic Education
 • IDT – Independent Development Trust
 • ACM – Alternative Construction Methods
 • DoE – Department of Education

THANK YOU

