







ADDRESSING RURAL DEVELOPMENT THROUGH FUNCTIONAL REGIONS

Priority District Analyses: High impact (catalytic) infrastructure intervention areas for economic transformation

Cluster 4 Report: For Priority Districts in Eastern Cape, Free State and KwaZulu-Natal

Districts of Xhariep (Free State), Joe Gqabi, Alfred Nzo, O.R. Tambo, Chris Hani and Amathole (Eastern Cape), and Sisonke and Ugu (KwaZulu-Natal)

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PART C

First Round of Catalytic Project Evaluation: Eastern Cape Cluster Priority Districts

1 Introduction

Catalytic projects can be broadly defined as projects that lead directly or indirectly to high impact in relation to employment creation, local economic development and transformation. These are mostly (but not only) infrastructure related projects where the local environment/conditions are transformed such that it enables accelerated development locally and possibly also in the wider region. These projects are identified mostly through a bottom-up process where local municipalities / districts identify projects drawn from their own local planning processes. It is expected that these projects should be integrated parts of IDPs and/or local and regionally linked initiatives.

During the first round of requesting the submission of catalytic projects by DRDLR (2012/13) no predetermined framework or structure was provided to guide and inform municipalities. As a result a wide variety of projects extending across a number of sectors was received. These projects might not all fit into the view of what a 'catalytic' project would be. It does however provide insight into the types of projects that municipalities feel are critical/relevant/important.

It is also important to note that the details of national infrastructure investments driven through the PICC are not known, as such the potential for overlap or conflict might arise. During the current project it became necessary to develop an understanding of the makeup and structure of settlements within the identified 23 districts. It is this understanding combined with the economic, environmental and social context that can be used to evaluate the feasibility of proposed projects especially in view of its catalytic nature.

The current set of proposed catalytic projects consists of the following:

- Two projects per district, thus 46 projects in total
- Projects are spread across all 23 district municipalities
- Comprises both large and small projects (financial costs)
- Deals with sectors including:
 - o Agriculture production
 - Electrical infrastructure

- Processing (related to industry)
- o Road infrastructure
- o Water and sanitation services/infrastructure
- o And other infrastructure categorised under 'urban'
- Maps have been prepared indicating, where possible, the location of catalytic projects (those without sufficient spatial information have been placed centrally in the district and are indicated with a yellow outline)
- A table also accompany the mapped information listing the project, location, type, and financial cost implications.





2 Perspective on projects

Figure 1.1 shows the catalytic projects listed for the Eastern Cape cluster of districts (including Xhariep in the Free State and Ugu and Sisonke in KwaZulu Natal) in the spreadsheet below. The size and colour of each dot indicate the projected Rand value of the project (and not the type of project). Figure 2.1 indicates the total project value per district. It is clear that Sisonke in KwaZulu Natal has put forward catalytic projects with the highest price tag, while Amathole and Alfred Nzo the lowest (two of the districts that are also most in distress).



Figure 2.1: Project value per district in the Eastern Cape cluster of districts

Projects range from building dams (in Sisonke) to fencing to conducting feasibility studies for projects. Most of the projects though relates to water supply, water reticulation or building dams. Water supply must therefore be seen as a big constraint in these districts. Other projects relate to improving agricultural production, small town regeneration and sanitation (see Tables 2.1-2.3 for all the project details that were supplied).

Table 2.1: List of catalytic projects in the Eastern Cape districts

Eastern Cape Province

DM	LM	Settlement	Project name	Project description	Main project activities/ output	Employ- ment creation	Business plans	Number of months	Project value	Amount required by the district
Alfred	Alfred Nzo	District Wide	Grain	Boost the	Fencing (R20 000/ km)	580	No	12	R 2 000 000	
Nzo DM	DM	(Ntabankulu, Matatiele, Mbizana & Umzimvubu)	Production & Processing for Alfred Nzo DM	Production &level of grainProcessingproductionfor Alfredwithin theNzo DMarea.	Development of Conversation layout for the area of arable land					
					Contour banks & grassed waterways; Storage					
					Construction of Storage Facilities (accessible for 34 ton trucks)					
					Grain Production (cost per 1ha = R8 900. R8 900 x 5 800ha)				R 52 800 800	
					Purchasing of 4 silos (1 per Local Municipality)				R 6 000 000	
					Milling Plant					
					Access Roads				R 3 500 000	
					Transportation				R 1 500 000	
							Αποι	Int Required	by the District	R 65 800 800
Alfred Nzo DM	Ntabankulu Local	Ntabankulu Ward 6	Upgrading of Ntabankulu	Installation of water borne	Analysing the existing infrastructure	600	Yes	12		
	Municipality		Town	sewer	Water Supply				R 49 063 000	
	(Ntabankul		Sanitation	systems in	Sewer Reticulation					
	u rown)			Town and	Construction of Waste Water Treatment Works				R 18 000 000	
			cc of	construction of waste	Sludge Treatment & Disposal					
				treatment	Operation & Maintenance					

DM	LM	Settlement	Project name	Project description	Main project activities/ output	Employ- ment creation	Business plans	Number of months	Project value	Amount required by the district
				works	Additional Services e.g. Professional Services, EIAs				R 7 706 817	
					Manholes				R 4 709 000	
					Inspection Chambers				R 3 374 000	_
							Αποι	ant Required	R 48 000 000	
Amathole DM	Nxuba LM	Adelaide Town incl. Lingelethu Bezuidenhou tville (Ward 1, 2 & 3)	Adelaide Water Reuse		Water Supply Augmentation Schemes for Adelaide	1200	Yes	24	R 39 210 000	
	•	•	•	•		•	Αποι	int Required	by the District	R 38 910 000
Amathole DM	Mbhashe LM,	Mnquma LM: 28.14171	Grain Production		Supply of Maize Production inputs	100			R 24 000 000	
	Mnquma	32.33003			Mechanisation					
	LM & Ngqushwa LM	Mbashe LM: 28.30218 32.09760			Feasibility Study for a Maize Milling Centre					
	•	•	•	•			Αποι	int Required	by the District	R 24 000 000
Chris	Ngcobo,	Zulukama,	Livestock		Fencing	867		36	R 350 000 000	
Hani DM	Lukhanji,Sa	Nqobokeni,	improvement		Shearing Sheds					
	khisizwe	Tambo	Programme		Dipping Tanks					
		Village, Goboti	(Garden Employment		Handling Facilities					
		Gqaga, Rooiport.	Programme)		Small Farmers Capacity Building Programmes					
		Penensula, Swaren, Ballator.			Livestock Medication and Administration of Medication					
		Fairview, Rosbank, Imizamo, Entwanazan			Community Gardens					

DM	LM	Settlement	Project name	Project description	Main project activities/ output	Employ- ment creation	Business plans	Number of months	Project value	Amount required by the district
		а								
							Αποι	Int Required	by the District	R 300 000 000
Chris Hani DM	1. Intsika Yethu 2. Inkwanca, Tsolwana,	Tsomo, Tarkastad, middelburg, Hofmeyer,	Small Town Revitalisation Programme for the towns		Establishment of Brick Yard Equipment for Pavers in each LM	154		36	R 114 000 000	
	Inxuba Yethemba	Cradock	of Middleburg, Hofmeyer, Cradock, and Tarkastad		Paving of streets and community areas in all 3 towns					
							Amo	unt Required	d by the District	R 114 000 000
Joe Gqabi DM			Maize Meal Hub Programme	The project seeks to raise the production of red meat in a region where	Programme 1: Meat Beneficiation (Feedlot, Abattoir, Maize Storage, Feed Mill, Logistics & Marketing)		Program me 1 does have a Business Plan	60	R 30 000 000	
				consumption is largely imported from the surrounding regions.	Programme 2: Expanded Livestock Improvement Programme (Animal Handling Facilities, Shearing Sheds with equipment & Fencing, Mentoring)				R 40 500 000	
					Programme 3: Tsitsa River Basin (Social Facilitation, Training, & Establishment of Production Cooperatives; Soil Rehabilitation, Tree Planting, Alien Vegetation Removal,				R 10 000 000	

DM	LM	Settlement	Project name	Project description	Main project activities/ output	Employ- ment creation	Business plans	Number of months	Project value	Amount required by the district
					Water Harvesting, Fencing, Gabions, Small Scale Irrigation)					
					Programme 4: Expanded Working for Water, Wetlands & Livestock Programme (Expanding National Resource Management Programme & Landscape)				R 15 000 000	
					Programme 5: Massive Food Production (Elundini Dry Land Cropping)				R 10 500 000	
					Programme 6: Agricultural Skills Development Programme (Agricultural Skills Centre in Aliwal North)				R 14 000 000	
							Amo	unt Required	d by the District	R 120 000 000
Joe Gqabi DM	Senqu & Maletswai LM	Part of Herschel, Sterkspruit, Lady Grey.	Upper Orange Irrigation Scheme	Maletswai & Senqu Regions have been identified for the planning and implementati on of	Phase 1: Potable Water Allocation & Irrigation Water Allocation				R 450 000 000	

DM	LM	Settlement	Project name	Project description	Main project activities/ output	Employ- ment creation	Business plans	Number of months	Project value	Amount required by the district
				sustainable infrastructure , with improved service provisions, to provide the economic growth and job creation.						
		_		_		-	Amo	unt Required	by the District	R 450 000 000
O.R. Tambo DM	Nyandeni LM		Dumasi regional water supply scheme – construction of village reticulation and storage reservoirs		Construction of storage reservoirs and reticulation of water		Yes	18	R 90 000 000	
							Amo	unt Required	by the District	R 87 000 000
O.R. Tambo DM	Port St. Johns LM		Port St. Johns regional water supply scheme – construction of off- channel storage dam and supply of water to additional villages		Construction of an Off- Channel Storage Dam Supply and installation of pipe works from the dam, this includes, scour and emergency outlet pipe Extension of the Raw Water Rising Main to the dam site Pipe jacking and crossing of the R61 Road with the Gemvale supply pipe line		Yes	18	R 35 000 000	

DM	LM	Settlement	Project name	Project description	Main project activities/ output	Employ- ment creation	Business plans	Number of months	Project value	Amount required by the district
					Extension of the					
					250mm, Raw Water					
					Rising Main from the					
					dam to the pump station					
					Construction of two					
					operators house at the					
					Water Treatment Plant					
					Extension of the access					
					road to dam					
					Construction of storm					
					water drainage system					
					and Gabion structures at					
					the access road					
					Construction of the dam					
					and pump station					
					Construction of Booster					
					Pump Station No. 2					
					Construction of the Raw					
					Water Abstraction Pump					
					Station at the Mzimvabu					
					River					
					Supply and installation					
					of Mechanical and					
					Electrical Equipment for					
					pump station					
					Electrical power supply					
					by Eskom					

Table 2.2: List of catalytic projects in the Free State district

Free State Province

DM	LM	Settlement	Project name	Project description	Main project activities/ output	Employ- ment creation	Business plans	Number of months	Project value	Amount required by the district
Xhariep			Xhariep		Establishment of an		No		R 476 391 924	
DM			Irrigation		Irrigation Development					
			Development		Project					
			Project							
							Amo	unt Require	d by the District	R 476 391 924
Xhariep			Xhariep		Sand & Stone Project		No		R 61 000 000	
DM			Sand &							
			Stone Project							
Amount Required by the District R 61 0										R 61 000 000

Table 2.3: List of catalytic projects in the KwaZulu Natal districts

KwaZulu Natal Province

DM	LM	Settlement	Project name	Project description	Main project activities/ output	Employ- ment creation	Business plans	Number of months	Project value	Amount required by the district
Ugu DM	Ugu DM		Bulk water and secondary bulk water services.		Install bulk and secondary bulk water services	400	Yes	60	R 500 000 000	
							Amo	unt Required	by the District	R 500 000 000
Ugu DM	Ugu DM		Roads infrastructure development for small sugar growers in		Fairview Mission: Grade 1km of road 5m wide with drains approximately every 100m from main road to the zone	50	No	6	R 25 956 015	

DM	LM	Settlement	Project name	Project description	Main project activities/ output	Employ- ment creation	Business plans	Number of months	Project value	Amount required by the district
			the District		Reconstruct zone supply					
					quarry, level and					
					compact quarry on the					
					zone					
					Open 300m of road					
					leading to a zone					
					Storm water pipes					
					Oshabeni: Grade and					
					supply quarry to 400m					
					of road from main road					
					to the zone with mitre					
					drains. To supply					
					quarry, grade and					
					compact the zone					
					KwaQwabe: To grade					
					and supply quarry to					
					600m of road, 5m wide					
					with mitre drains					
					Supply quarry, level and					
					compact quarry to the					
					zone					
					Mmzisitha: To grade					
					3km of road, 4m wide					
					with drains approx.					
					every 100m					
					Supply quarry, level and					
					compact quarry to the					
					20110		A 100 G		l hy the District	D 20 000 000
Siconko	Umzimkhul		Greater		Construction of a dam		Amo		P 220 000 000	R 20 000 000
DM			Summorfield		wall at Myolozi Piyor		res	00	R 230 000 000	
			Water Supply		Inter River transfer from					
			Project		Imzimkhulu Pivor to					
			l Imzimkhulu							
	1		Sinzinkiuu	1		1	1			

DM	LM	Settlement	Project name	Project description	Main project activities/ output	Employ- ment creation	Business plans	Number of months	Project value	Amount required by the district
					Construction of the Bulk mains and reticulation to approx. 7 813 HH					
					Development of a Water source and abstraction works (Umzimkhulu River)					
					Construction of water treatment plant and storage facility at the					
					Construction of a new 200mm diameter Bulk main and 5ml commanding reservoir					
					Construction of a new 200mm diameter rising main					
					150mm diameter gravity main and other storage reservoirs feeding from commanding (various sizes)					
					Construction of a new dam wall at Mvolozi River (storage)					
					Bulk Meters will be provided at the boundary of each distinct supply zone					
Amount Required by the District									R 150 000 000	
Sisonke DM	Ingwe LM	Kilimon (Ward 1, 2 &	Greater Kilimon		Construction of a 12ml/day dam		Yes	60	R 700 886 940	

DM	LM	Settlement	Project name	Project description	Main project activities/ output	Employ- ment creation	Business plans	Number of months	Project value	Amount required by the district
		4)	Water		Inter basin transfer from					
			Project		Umzimkhulu River to					
					Ngwagwane River					
					Construction of the Bulk					
					mains and reticulation to					
					approximately 5 944 HH					
					Development of a water					
					source					
					Construction of a new 2					
					600m 200mm diameter					
					bulk main and 3ML					
					reservoir (Res 1 -					
					Greater Kilimon)					
					Construction of a new					
					12 100m 200mm					
					diameter bulk main and					
					300kl reservoir (Res 2 -					
					Project J)					
					Construction of a new					
					13 700m 150mm					
					diameter bulk main and					
					750kl reservoir (Res 3 -					
					Project K)					
					Construction of a new					
					2ML reservoir (Res 4 -					
					Project L)					
					Construction of a new 7					
					100m 150mm diameter					
					bulk main and 1ML					
					reservoir (Res 5 -					
					Project M)					
					Bulk meters will be					
					provided at the					
					boundary of each					
					distinct supply zone					

3 Implications

An indication of how/if the proposed project seem to relate to priorities in DM as eminating from analyses would be the ideal. This is not a detailed feasibility analyses but rather an indication of the proposed project seem in line as 'catalytic project' to have substantial impact. In most cases a deduction can be made from tables to indicate the basics i.e. still needs an EIA or feasibility study etc. For the rest it is actually only possible to provide an indication to DRDLR as how to proceed. There might be either too little information and a more detailed analyses is required. The comments is thus an indication to DRDLR re if/how to explore and support projects further - and how the project relate/not to the dynamics according to our analyses/what to look out for (i.e. water in the DAFF reports) if not clear.

Many of the projects listed above would not typically be regarded as catalytic projects, but the fact that they are being listed, means that they are experienced as real constraints in these districts. In most cases the projects as supplied by the districts offer little information, which makes it difficult to comments on their feasibility or impact. However, if these projects are compared to the spatial analysis above, then one can make the following deductions:

- Only 7 projects in the cluster had business plans by the time this information was verified (August 2013). Projects without business plans are impossible to evaluate for DRDLR.
- The single most important economic sector in every local municipality in terms of its contribution to GVA and employment, is community social, personal, as well as government services. This followed by agriculture, forestry and fisheries, wholesale, retail and trade sector, as well as the finance, insurance and real estate sector. Any catalytic project should attempt to
- The areas that are under traditional authority are for the most part highly populated, with poor households widely distributed across these districts. They therefore experience high population pressures even though the population growth rate and their share in the national population may be declining, and they may be experiencing out-migration.
- There are no big cities in these priority districts, and only a few regional service centres. The local or niche towns are fairly evenly distributed across these districts. The towns seem to be growing, and are attracting household with a low income. Overall there is a lack of vibrant and economically strong cities in this cluster of districts.
- In the sparsely populated districts, the towns appear to be the dynamic places in terms of population growth and service delivery, however, in the more densely populated districts, the rural areas seem to be the most dynamic places, but have severe service delivery backlogs, high dependency ratios and the extent of the poverty is great. Approximately 15% of households have no income, and approximately 80% of the population live in poverty. This is exacerbated by the high dependency ratio, which is caused by the high

percentage of children under 14 years, and the high unemployment in the rate in the districts. Only about 13% of the population has a matric qualification, and approximately 12% of the population is employed The burden on the economically active, but poor population is very heavy. In terms of the various districts:

- Alfred Nzo: is a densely populated district experiencing severe population pressure, as almost 90% of the population are economically dependent. Service delivery is poor. Rural tourism nodes could be developed in the areas under traditional authority, especially those areas on the coast;
- Amatole: has shown the biggest decrease in the population growth rate with out-migration south to the eastern and western Cape. Rural tourism nodes could be developed in the areas under traditional authority, especially those areas on the coast;
- Chris Hani: almost half the population live in sparsely populated areas. There seems to be some untapped mining potential in Chris Hani;
- Joe Gqabi: is a sparsely populated district that has shown little spatial change over the last two decades. The mountainous areas on the border with Lesotho also holds tourism potential, though many of these areas are quite remote;
- O.R. Tambo: is a densely populated district experiencing severe population pressure, and though it has the highest percentage share in the national GVA of these eight districts (0.96%), the burden on the economically active, but poor population is very heavy. There is potential for more agricultural production, though t eland is degraded. Rural tourism nodes could be developed in the areas under traditional authority, especially those areas on the coast;
- Sisonke: shown an increase in the population growth rate. There is potential for more agricultural production, though t eland is degraded. The mountainous areas on the border with Lesotho also holds tourism potential, though many of these areas are quite remote;
- Ugu: the population mostly live in dense settlements, town and cities. There is potential for more agricultural production, though t eland is degraded; and
- Xhariep: is a sparsely populated district and has a very low percentage of the national GVA (0.24%). There seems to be some untapped mining potential in Xhariep.

It can be concluded that more thought should be given to the potential catalytic impact of these projects before districts decide to invest in them, for there may be other projects that will have a deeper and wider impact on the economy and its people. It is recommended that feasibility studies be conducted for those projects that have not yet done so, and that the impact and benefits of each project be calculated in relation to the challenges described in this report.