Development

Concepts

Chapter 11

11.1 Introduction

This Joe Gqabi Master Agri-Park Business Plan reviewed the current agricultural activities in the Joe Gqabi District Municipality including, but not limited to, a review of the major agricultural products produced and the activities of the various public sector organisations supporting agriculture and farming projects in the region. This report serves as the first phase of the Agri-Park Business Plan, providing a status quo analysis up to commodity selection, prioritisation and identification.

Commodities were identified through a review of the status quo of agricultural activities and biophysical conditions of the region, a review of policy documents and current agricultural projects. These commodities were then analysed by way of a prioritisation matrix which has assessed each commodity according to 37 scoring criteria falling into four broad classes. These are:

- A) Biophysical criteria
- B) Enterprise viability
- C) Economic development
- D) Political & social objectives

In accordance with the Agricultural Policy Action Plan and directives from the Department of Rural Development and Land Reform the three top scoring commodities have been identified for inclusion as the core focus areas for the Joe Gqabi Agri-Park. The top three scoring commodities for Joe Gqabi were identified as: wool, maize and red meat (Including beef, sheep and chevon/goat) production. The identified commodities were then taken through a detailed analysis, including a Market Analysis; Value-Chain Assessment and SWOT Analysis (Chapter 8). The following were the key outcomes of the commodity analysis, relating to these three candidate commodities:

Wool

- Wool is currently JGDM's most significant agricultural commodity.
- Sheep and goat farming takes places across the district.
- The district is one of the largest wool producers in the country.
- The volumes of wool produced in South Africa has decreased consistently over the last decade, however the price of wool continues to increase.

Maize

- Maize farming is predominantly limited to the Elundini LM and parts of Senqu LM.
- Local farmers are not as familiar with the crop compared to other commodities or farmers in other districts.
- Maize not only contributes to food security directly, but plays a major role in supporting the red meat value chain as a major source of feed.
- The maize market is robust and any maize production will find a buyer. High quality maize will fetch a premium price but even low quality price can be sold to offset costs in the feed market.

Livestock

- The Joe Gqabi environment is well suited to livestock farming with all the areas of the District showcasing good suitability to livestock farming.
- Large opportunities exist in the Joe Gqabi District in red meat sub-classes beef, sheep and goat. These
 opportunities include farming opportunities for commercial and emerging farmers as well as
 numerous opportunities for small and large concerns in the upstream and downstream portions of
 the value-chain including agro-processing.

• The demand for red meat has been showing strong growth in recent years and conditions are right for new entrants into the red meat market.

General:

- Large investments in road, water and electricity infrastructure is required to facilitate the growth of agriculture in the rural areas of the Joe Gqabi DM.
- Significant investment in skills development and training in all identified commodities is required before significant levels of production can be achieved
- The 2015/2016 drought has had major negative consequences for the agricultural sector in Joe Gqabi. Considerations to upgrade water infrastructure and investments to support the agricultural sector in crisis situations is essential.
- Theft and vandalism of farm infrastructure / crops poses a moderate threat to maize and livestock farming in the Joe Gqabi District.

11.2 DRDAR Agri-Park general concept

11.2.1 Agri-Park

To restate the description of the Agri-Park from Chapter 2, and Agri-Park is a networked innovation system of agro-production, processing, logistics, and marketing, training and extension services. The Agri-Park system is located in a district municipality, serving to enable market-driven combination and integration of various agricultural activities and rural transformation services. The Agri-Park concept comprises of three basic units:

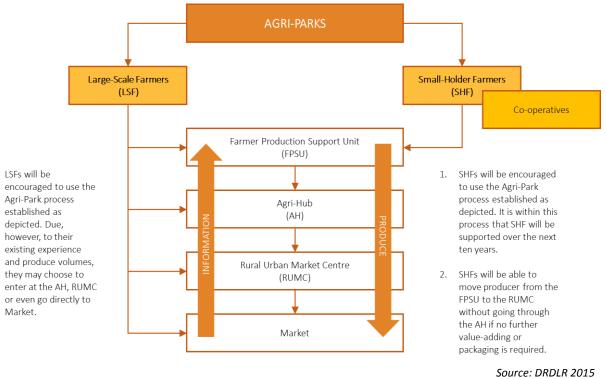
- Agri-Hub Unit (AH).
- The Farmer Production Support Unit (FPSU).
- The Rural Urban Market Centre Unit (RUMC).

The objectives of which is primarily to:

- Kick start rural economic transformation
- Promote the growth smallholder and emerging farmer agriculture
- Promote the development of skills for, and assistance to, small-holder and emerging farmers
- Strengthen existing and create new partnerships between government, the private sector and civil society
- Bring under-utilised land into full production

Figure 11.1 below shows the structure of the Agri-Park, displaying the various elements of the model such as the Agri-Hub, FSPU and RUMC. These three elements of the Agri-Park model are described briefly below.

Figure 11.1: Agri-Park Structure



Agri-Hub

Agri-Hubs are located in centralised places within a District Municipality that are able to service and interact favourable with agricultural activities within the district. The Agri-Hub, by necessity, is located in an area that can serve as a link between district agricultural production and markets, and supply inputs from service and product providers towards the agricultural producers.

Farmer Production Support Units

The Farmer Production Support Unit (FPSU) is a rural outreach unit connected with the Agri-Hub. The FPSU serves as a resource node in areas isolated away from the main Agri-Hub, serving the surrounding community. The FPSU is detailed with collecting primary production from agricultural initiatives in the area, storing this product, engaging in small-scale processing operations for the local market, and providing extension services to surrounding operations (including mechanisation).

Rural Urban Market Centres

Rural Urban Market Centres (RUMC) are located on the periphery of large urban areas, providing three main purposes. The first is to link rural, urban and international markets; the second is to act as a holding facility for product, releasing produce as required to urban markets based on seasonal trends; and the third is to provide market intelligence and feedback to the Agri-Hub and FPSU.

11.3 Joe Gqabi Agri-Park development concept

11.3.1 Agri-Park

As mentioned earlier in this chapter the three commodities identified for prioritisation in the Joe Gqabi Agri-Park are wool, maize and livestock production in no particular order of importance. These have been deemed to have the best potential for growth and development in the district especially when considering criteria such as local agro-processing opportunities, suitability for smallholder and emerging farmers, and contribution to employment within the district.

The following sections outline the roles within the district for the Agri-Hub, RUMC and FPSU's, the physical and organisational requirements of each, discussions on the operational dynamics between the various role-players in the Agri-Park model (Agri-Hub, FSPU's, RUMC, the commercial, smallholder and emerging farmers, public sector entities, and the markets for the goods produced), as well as considerations affecting the implementation of the Agri-Park concept in the Joe Gqabi District Municipality.

The Agri-Parks main elements, the central Agri-Hub, the Farmer Production Support Units and the Rural-Urban Market Centre are three complimentary elements that will contribute to a competitive, successful and inclusive national agriculture sector.

Small and emerging farmers will be able to access key agricultural inputs, equipment, skills training and business administration and production assistance through the FPSU's as well as assistance with the productive elements of farming such as harvesting and moving produce from the farm onwards. The Agri-Hub will feature the centralised planning and oversight necessary to manage the multitude of agricultural projects in the district as well as key infrastructure and agricultural services necessary process base agricultural production such as wool, meat and un-milled maize into finished and semi-finished products. Farmers, in addition to being able to access the services provided by the Agri-Hub, will also be able to sell directly to commercial farming cooperatives and/or form production agreements with commercial farming concerns. Choosing not to restrict smallholder and emerging farmers to the usage of the Agri-Hub facilities will ensure that local farmers receive the best price for their produce and allow them to form business relationships that may see them accessing financial and management support at a level which the Agri-Hub may not be in a position to offer.

The RUMC then provides an avenue for local farmers and the Agri-Hub to sell goods either to large retail concerns, smaller local retailers or directly to the person on the street. Here again, the Agri-Parks model should be flexible in how it accommodates farmers and Agri-Hubs, allowing both groups to sell produce forward to the client / market where production will fetch the highest price and allow commercial entities and other agricultural entities to make use of the RUMC.

11.3.2 Key thrusts

Table 11.1: Key thrusts

The three commodities identified are unique and require different levels of support and different development initiatives to enable them to grow and achieve the stated goals of the Agri-Park development concept. As discussed through Chapters 8 through 10, the key thrusts (focus areas) for each commodity are outlined below.

	Wool
Shearing sheds	Shearing sheds would be developed at each FPSU. This would improve efficiency through reducing time and transport costs and give the farmers collective bargaining power.
Baling	Sorting and baling would ensure that wool is packaged correctly before being transported to markets.
Storage	A storage facility for wool should be developed. This facility would provide storage for farmers in between auction times.
Transport/Logistics	The majority of wool produced in South Africa is exported. Cape Wools in Port Elizabeth facilitates the auction of the majority of wool in South Africa. It is therefore essential that proper transport routes and facilities are established to transport wool to the market in Port Elizabeth.
	Maize
Silos	Developing a silo or storage facility in the district for local maize farmers.
Milling	Maize milling/processing would be a value-adding activity in the district. Milling can also enhance the quality of maize produced in the district.
Fencing	Fencing of local farms and commonages for small holder and emerging farmers.
Training	Training is a vital aspect of the Agri-Park concept. In order to give small holder and emerging farmers an opportunity to produce maize for the market then it is important to train farmers in farming techniques and market information.
Market Linkages	Linkages with other Agri-Parks also focusing on maize production, such as OR Tambo DM, is important for market support and improved sustainability.
	Livestock
Genetic improvement	Improving the genetic quality of emerging and small-holder farmers for immediate relatively fast improvement of prices offered for carcasses when sold to abattoirs.
Fencing	Fencing of commonage key grazing areas for small holder and emerging farmers.
Management of commonage	A key aspect of improving small holder farmer's herds is an improvement in the management of commonage. Commonage, if correctly planned and managed, can be vital for small holder farmers.
Veterinary support	FPSUs provide a base for DAFF veterinarians to operate out of and are invaluable to emerging and smallholder farmers.
Training	Train farmers in animal husbandry, market information and business skills.
Abattoir facilities	There is currently space in the market for an abattoir at FPSU level that has deboning facilities located in Sterkspruit. This should largely be focused on B and C grade meats for the local markets.

11.4 Commodity Development Concepts

The commodity development concepts developed below also considers the requirements of the location and coverage of the FPSU, AH, and the RUMC.

The concept is developed by the defining the following aspects:

- Roles and functions
- Location
- Key products/services
- Infrastructure and equipment
- Logistics
- Human Resources (HR)
- Training

The development concepts take into consideration the current agricultural situation of each commodity and translates this into how the Agri-Park should support and develop the commodity and agricultural sector in the district. The figure below shows the location of the Agri-Park.

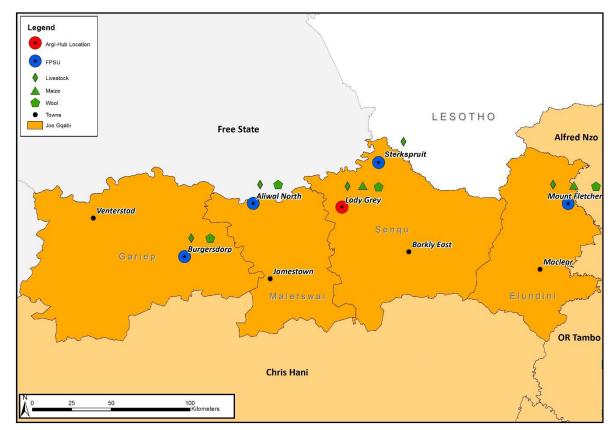


Figure 11.2: Agri-Park Location

The figure below indicates the Agri-Hubs, RUMCs and FPSUs throughout the entire province. It is important to consider the cross border linkages with other Districts particularly if those districts have the same commodities such as vegetables and livestock that is shared with Amathole District. It would be beneficial for those FPSUs that are on the border of each district to share information and expertise.

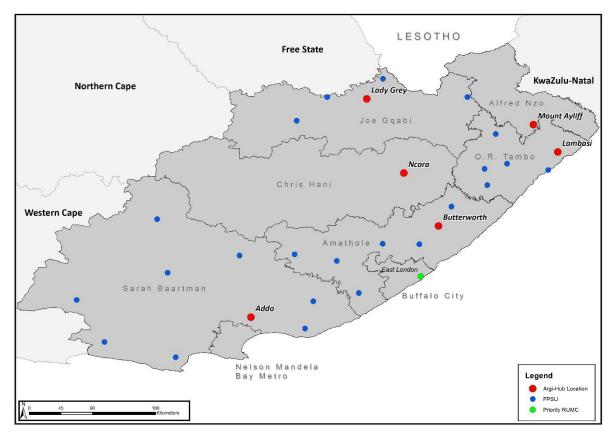


Figure 11.3: Location of Agri-Hubs, RUMC and FPSUs throughout the Province¹



It is important to consider the commodities of each district municipality and create linkages to those areas where the same commodity is supported e.g. livestock is supported in JGDM in neighbouring ORTDM. The following table outlines the commodities in each district municipality.

District Municipality	Prioritised Commodities		
Amathole	Livestock	Maize	Vegetables
Joe Gqabi	Livestock	Wool	Maize
OR Tambo	Livestock	Maize	Vegetables and Fruit
Sarah Baartman	Livestock	Vegetables	Citrus

Table 11.1: Commodities Prioritised in other Districts in the Eastern Cape¹

¹ The FPSUs and prioritised commodities of Chris Hani and Alfred Nzo are not known at the time of publication.

11.4.1 Livestock

The Joe Gqabi Agri-Park development concept for the production of red meat has been developed according to the Agri-Parks Model, as stated in the introduction. The process begins with the production of livestock by the farmer and is supported by the FPSU by providing services such as supplying feed, veterinary assistance, and auctions and sales. Livestock that is not intended for processing is sold at the FPSU to the local market, while livestock for further processing is transported to the AH. The abattoir will be responsible for slaughtering and performing other production function through other facilities. From the AH or abattoir, the red meat products can be sold, transported to various retail and distribution markets or the RUMC. The RUMC can further transport products to local and international market, while providing information on demand and market trends to the other components. Table 11.2 explores the development for red meat production.

Table 11.2: Livestock development stock

Production Flow	Farmers	FPSU	Agri-Hub	RUMC
Location	All smallholder farmers and some commercial farmers (those willing to participate) involved in livestock production in the JGDM. Livestock farming takes place across the district.	 Livestock farmers will be supported by all the FPSU(s) that would be situated in the JGDM since it is a major primary agricultural activity in the district. All FPSUs should support livestock namely: Burgersdorp, Gariep LM Aliwal North, Maletswai LM Lady Grey (Agri-Hub) & Sterkspruit, Senqu LM Mount Fletcher, Elundini LM It is proposed that an abattoir be established in Sterkspruit. 	The site of the Agri-Hub will be in the town of Lady Grey, Senqu LM.	There are likely only to be one RUMC in the Eastern Cape for the initial phase of the Agri-Parks roll out. It will likely be located in Buffalo City. After this initial phase a RUMCs may be located in each district municipality if there is a need for it. If the Joe Gqabi Agri-Park develops into a feasible business venture and there is a demand for a RUMC in the future then a RUMC could be developed specifically for Joe Gqabi. During the early stages of the Agri-Parks project RUMC assistance will be provided by RUMCs in Buffalo City.
Key Role & Function	Farmers are responsible for the primary production of livestock, but have slightly different roles according to size and complexity of operations.	The FPSU plays a critical role in ensuring availability and facilitating services. The FPSUs will serve as a collection and distribution point for farmers. It should operate as a small-	The main role of the Agri-Hub will be the training of emerging farmers in the region on how to farm livestock sustainably to a market acceptable quality and how to improve animal	Market intelligence, assist farmers, and processors in managing a nexus of contracts, large warehousing and cold storage facilities.

Production Flow	Farmers	FPSU	Agri-Hub	RUMC
		 can also be provided at the FPSUs. Mechanisation and logistic support Provide limited storage facilities Provide limited sorting and processing services 	well-being and training in the marketing aspects of farming. Critical to the services offered by the Agri-Hub is the facilitation of training and skills development especially in the area of agricultural economics to ensure farmers understand the fundamentals running a sustainable farming enterprise.	

Production Flow	Farmers	FPSU	Agri-Hub	RUMC
Human Resources	 The core HR personnel that farmers would require from the FPSU are: Extension officers State veterinarians Agronomist Researchers Some permanent staff to manage day to day farm operations. Commercial farmers should have all the HR personnel they need to operate a farm but can use extension officers from the FPSUs and the Agri-Hub. 	 The following positions or services are required to assist smallholder or emerging farmers in each FPSU area. These may available at present through existing public or private agriculture industry structures. If access to these services or personnel are not available in a FPSU area they need to be provided by the Agri-Park. If there are existing staff – integrate into AP Local private and public entities much be approached to identify what services are available for inclusion into the Agri-Park model so duplication of services is avoided The FPSU will provide the following HR: Agricultural extension officer / support office; Machine operators / Local mechanisation centre and workshops; Agronomist Researchers Voluntary/Established commercial farmers to mentor the small scale farmers (as many as possible). State veterinarian 	The following positions or services are required to assist smallholder or emerging farmers in each FPSU area. These may available at present through existing public or private agriculture industry structures. If access to these services or personnel are not available in a FPSU area they need to be provided by the Agri-Park. Local private and public entities much be approached to identify what services are available for inclusion into the Agri-Park model so duplication of services is avoided The AH will provide the following HR: • Administrative manager • Quality control personnel • Feedlot personnel • Research and Demonstration personnel • Training personnel	 The following positions or services are required to assist smallholder or emerging farmers in each FPSU area. These may available at present through existing public or private agriculture industry structures. If access to these services or personnel are not available in a FPSU area they need to be provided by the Agri-Park. Local private and public entities much be approached to identify what services are available for inclusion into the Agri-Park model so duplication of services is avoided The RUMC will provide the following HR: IT expert/personnel Marketing agents (to faceplate market linkages, facilitate contracts with wholesalers and major retail outlets and also to gather information on prices at fresh produce market that would be communicated to the AH and FPSU).

Production Flow	Farmers	FPSU	Agri-Hub	RUMC
Training	would require training on: best farm practices (animal growth and nutrition), use of tools and equipment, training on how to interpret market information (Access	would be to provide training and extension support on various farm practices, to the SHF and emerging farmers. They can also provide some support to the commercial farmers	 Training at the Agri-Hub would include: Training on best practices, based on changing demand and supply. Training on new innovations as they surface. 	Training of training personnel on how to disseminate information to the farmers, FPSUs and Agri-Hub.
Key product/activities	 The core activities of the small holder farmers are: Ensuring animal health Disease control Rearing of young livestock to replace herds taken to abattoir Key output will be live animals that are taken to abattoirs Improving the genetic quality of the herds Commercial farmers will focus on these aspects as well. 	 The core activities of the FPSU are: Collection of livestock from the farmers Transportation of livestock to abattoirs/ feedlots or holding areas for sale Some quality control (most to be performed by abattoirs and feedlots) Transportation of processed carcasses from abattoirs to markets 	 The core activities of the AH are: Training of farmers on how to effective raise livestock. Training farmers in business management Logistics support 	 The core activities of the RUMC are: Collection of final products from the AH/ FPSU (abattoir) in Sterkspruit Marketing and distribution of final products to different wholesalers and major retail outlets Exporting of final products Bulk storage of final products

Production Flow	Farmers	FPSU	Agri-Hub	RUMC
Infrastructure/ Equipment	The smallholder farmer would require the following equipment, which can be hired from the FPSU: • Tractor • Trailer • Feeding troughs • Water troughs • Tagging equipment • Animal handling areas • Storage facilities for feed, poisons, and medicines. Commercial farmers should have access to all of this equipment and infracturature	 The FPSU would require to put in place the following equipment/infrastructure: Transport (e.g. Bakkie or pick-up vehicles) Weighing facilities Auction facility Storage facility All equipment listed to be required by the small holder farmers. 	 The AH would require to put in place the following equipment/infrastructure: Administrative facilities Rental facilities Quality control facilities Agricultural input distribution and sales centre Training centre Logistics and transport facility 	 The RUMC would require to put in place the following equipment/infrastructure: Large warehouses/ holding facilities Cold storage facilities Administrative facilities/ information centre
Logistics	infrastructure. Smallholder farmers should be organised into groups. Each group should have a group head that would communicate information from the farmers to the FPSU and also arrange for delivery of inputs with the FPSU. Selling of animals : Certain days of the week should be assigned for collection of animals from the farmers. Farmers will unlikely have the necessary logistics available to take the animals to abattoir so this will have to be organised with the Sterkspruit FPSU. Farmers intending to sell on certain days would notify	The FPSU should organise primary logistics in the form of collection vehicles either to hire or operated by the FPSU to collect livestock to transport to the abattoirs and feedlots. Cold storage transport should also be arranged for distribution to the various marketing channels and the RUMC. *It should be noted that some of these transport facilities will be used to deliver farm inputs to the collection centres, after which it can be distributed to individual farmers.	Rental of transport could occur from the AH but will primarily be the role of the FPSU.	The same cold storage transport will be used for distribution of final products to wholesalers and major retail outlets.

Production Flow	Farmers	FPSU	Agri-Hub	RUMC
	the FPSU for necessary arrangements. For farmers with large numbers of livestock, special arrangements should be made to transport these animals as this can greatly increase capacity at an abattoir. They should be allowed to rent a truck and driver to fill a truck and deliver it to the abattoir for processing. Commercial farmers will have access to their own vehicles or hire vehicles from the FPSU.			
Technology/ICT	 In order to boost their production efficiency and health of the animals, smallholder and emerging farmers would require: Modern tools, Mobile devices for subscription to Apps., to enable them receive information from the RUMC on weather forecast, disease control etc. 	Tracking devices on all vehicles to prevent hijack and also to monitor the movements and locations of the drivers. Also, the FPSU would require subscription to certain Apps from the RUMC to remain conversant with the current prices fetched on the global, national and local market, so as to be able to strategically supply potatoes/ potato products to the markets. *It should be noted the same transport facilitates would be used to service all the basic units of the Agri- Park, therefore, all the Transportation facilities would have these tracking devices.	In order to remain aware of the current prices fetched on the global, national and local market, so as to be able to strategically supply red meat to the markets, the RUMC would also require subscription to certain Apps. This will enable the AH to remain informed.	The RUMC will provide Information Data base that all the various basic units of the Agri-Park can subscribe to.

11.4.2 Wool

The Joe Gqabi AgriPark concept for the production of wool looks at the production flow from the farm to the market (through to the RUMC). Wool is one of the district's key commodities and it is therefore essential to provide training and support to smallholder and emerging farmers that want to enter the market. The production of wool will entail mechanisation and storage support from the FPSU among other services. The FPSU will support farmers with shearing and baling activities and wool will be transported back to FPSU for local sales and straight to the AH for storage. Distribution to markets can be facilitated by the AH where possible, otherwise the RUMC will act as a distribution centre and assist with market related information. Further details on the development concept for wool are found in Table 11.3.

Table 11.3: Wool development concept

Production	Farmers	FPSUs	Agri-Hub	RUMC
Flow				
Location	Sheep and goat farming takes place	It is proposed that each LM in the district	The site for the Agri-Hub has been	There are likely only to be one RUMC
	across the Joe Gqabi DM.	would have a FPSU. In this way local farmers	identified as Lady Grey, Senqu LM.	in the Eastern Cape for the initial phase
		would have easy access to services. The		of the Agri-Parks roll out. It will likely
		FPSUs would then be able to focus on the key		be located in Buffalo City. After this
		commodity in the LM. Each of the FPSUs		initial phase a RUMCs may be located
		would then provide services to wool farmers		in each district municipality if there is a
		in their LM. These FPSUs will be in:		need for it. If the Joe Gqabi Agri-Park
		• Burgersdorp, Gariep LM		develops into a feasible business
		Aliwal North, Maletswai LM		venture and there is a demand for a
		• Lady Grey (Agri-Hub) & Sterkspruit,		RUMC in the future then a RUMC could
		Senqu LM		be developed specifically for Joe
		• Mount Fletcher, Elundini LM		Gqabi. During the early stages of the
				Agri-Parks project RUMC assistance
				will be provided by RUMCs in Buffalo
				City.
Key Roles and	Farmers are responsible for the	The FPSU plays a critical role in ensuring	The main role of the Agri-Hub will be	The RUMC would also provide the Agri-
Functions	primary production, but have slightly	availability and facilitating services. The	the training of emerging farmers in	Park with valuable market intelligence,
	different roles according to size and	FPSUs will serve as a collection and	the region on how to farm livestock	such as demand and supply trends,
	complexity of operations.	distribution point for farmers. It should	sustainably to a market acceptable	marketing strategies and pricing
		operate as a small-scale, decentralised Agri-	quality and how to improve animal	mechanisms. The RUMC should also
	Smallholder	Hub.	well-being and training in the	

Production	Farmers	FPSUs	Agri-Hub	RUMC
Production Flow		 The FPSU should perform the following functions: Farmers should be able to source input supplies (such as fertilizer, pesticides & herbicides). Training and extension services can also be provided at the FPSUs. Mechanisation and logistic support Provide limited storage facilities Provide limited sorting and processing services 	Agri-Hub marketing aspects of farming. It is important to consider training in business practices and marketing. These actions alone should improve the prices that are being offered to emerging farmers. Training sessions involving practical and experiential learning will be crucial to the success of emerging farmers. Critical to the services offered by the Agri-Hub is the facilitation of training and skills development especially in the area of agricultural economics to ensure farmers understand the fundamentals running a sustainable farming enterprise. Training on how to improve and maintain the genetic diversity of the livestock would be undertaken at the Agri-Hub. The Agri-Hub could be the location of a niche wool processing facility. This facility could produce high quality garments for slae to international markets. Specialised equipment may be needed for this enterprise.	RUMC provide a large warehouse and/or cold storage facilities. A key roll for the RUMC would be to find international markets to sell niche wool products.
Human Resources	Additional human resources may only be required at emerging and	The following positions or services are required to assist smallholder or emerging	The following positions or services are required to assist smallholder or	The following positions or services are required to assist smallholder or

Production Flow	Farmers	FPSUs	Agri-Hub	RUMC
	commercial farms. This may include permanent staff to deal with day-to- day farm operations and seasonal workers during shearing time.	 farmers in each FPSU area. These may be available at present through existing public or private agriculture industry structures. If access to these services or personnel are not available in a FPSU area they need to be provided by the Agri-Park. If there are existing staff – these should be integrated into AP. Local private and public entities much be approached to identify what services are available for inclusion into the Agri-Park model so duplication of services is avoided. The FPSU will provide the following human resources: Agricultural extension officer/ support office; Machine operators/ Local mechanisation centre and workshops; Agronomist Researchers Voluntary/Established commercial farmers to mentor the small scale farmers (<i>as many</i> as possible). State veterinarian 	emerging farmers in each FPSU area. These may be available at present through existing public or private agriculture industry structures. If access to these services or personnel are not available in a FPSU area they need to be provided by the Agri-Park. Local private and public entities much be approached to identify what services are available for inclusion into the Agri-Park model so duplication of services is avoided. The AH will provide the following HR: • Administrative manager • Quality control personnel • Research and Demonstration personnel • Training personnel • Processign facilty staff	 emerging farmers in each FPSU area. These may available at present through existing public or private agriculture industry structures. If access to these services or personnel are not available in a FPSU area they need to be provided by the Agri-Park. Local private and public entities much be approached to identify what services are available for inclusion into the Agri-Park model so duplication of services is avoided. The RUMC will provide the following HR: IT expert/personnel Administrative manager Training personnel Marketing agents (to faceplate market linkages, facilitate contracts with wholesalers and major retail outlets and also to gather information on prices at fresh produce market that would be communicated to the AH and FPSU).
Training	 Subsistence, smallholder and emerging farmers may require training on: New production methods Best practice farming techniques ICT 	One of the key functions of the FPSU would be to provide training and extension support on various farm practices, to the SHF and emerging farmers. This support as mentioned before would entail best farming practices,	 The Agri-Hub would be the centre of training facilities. Training at the Agri-Hub would include: Training on best practices, based on changing demand and supply. 	Training of personnel on how to disseminate information to the farmers, FPSUs and the Agri-Hub.

Production Flow	Farmers	FPSUs	Agri-Hub	RUMC
	Extension officers and commercial farmers are well positioned to provide training and mentorship programmes.	training for business management and market access as well as financial management.	 Training on new innovations as they surface. Training on how to operate niche wool processicing machinery. 	
Key products/ activities	 Key activities Land preparation (including land clearing, bed making), installing infrastructure (including water infrastructure, tunnel construction where applicable) Ensuring animal health Disease control Improving the genetic quality of the herds Key Products Raw wool Limited processed wool 	 The core activities of the FPSU would be to provide local farmers with input supply and serve as a distribution and collection point in the LM. The general core activities of the FPSU are: Collection of wool Provide limited storage facilities Limited processing services Some quality control Engaging with RUMCs Auction facilitator Transporting excess produce to the Agri-Hub Shearing services Baling services 	The core activities of the Agri-Hub is the training of best practice farming techniques, business management and to provide logistic support. The Agri-Hub would also be responsible for facilitating relationships between local farmers and markets. The Agri- Hub's core activities related wool is facilitating the transport of wool to the markets. Key products could include the high quality garments produced from the niche wool processing facilty which will be sold to international markets.	 The core activities of the RUMC are: Collection of final products from the Agri-Hub Marketing and distribution of final products to different wholesalers and major retail outlets Exporting of final products Bulk storage of final products
Infrastructure/ equipment	large enough quantity to warrant the need for extensive infrastructure and equipment. Commercial farmers are thought to already own or are in a	 The FPSU would require to put in place the following equipment/infrastructure: Transport (eg. Bakkie or pick-up vehicles) Weighing and packaging machines Local pack house Small scale processing facilities for local market Sorting facility Auction facility Storage facility 	 The AH would require to put in place the following equipment/infrastructure: Administrative facilities Rental facilities Agro-Processing facilities Packaging facilities Quality control facilities Agricultural input distribution and sales centre 	 The RUMC would require to put in place the following equipment/infrastructure: Large warehouses/ holding facilities Cold storage facilities Administrative facilities/ information centre

Production Flow	Farmers	FPSUs	Agri-Hub	RUMC
	 smallholder and emerging farmers. Equipment required includes: Tractors Trailers Ploughs Planters (seeds) Irrigation Fencing Basic farming implements (spades, hoes etc.) Trucks or Light Delivery Vehicles (LDVs) for transporting goods. The concept is that smallholder farmers would hire the necessary equipment from the Agri-Hub but emerging farmers would receive assistance to buy their equipment.	 Training room with appropriate training equipment Shearing sheds should also be developed at each FPSU for wool farmers. 	 Retail facility Training centre Logistics and transport facility 	
Logistics	Farmers should be organised into groups. Each group should have a group head that would communicate information from the farmers to the FPSU and also arrange for delivery of inputs with the FPSU. Certain days of the week should be assigned for collection of sheep from the farmers. Farmers will unlikely have the necessary logistics available to take sheep to the shearing sheds so this will	The FPSUs should have computers for training purposes. Vehicles should be fitted with tracking devices. The FPSU should also house the most current agricultural information, such as weather conditions to commodity prices on the global markets.	The same transport will be used to collect the wool from the FPSU to the Agri-Hub for processing. Transport facilities would need to serve a number of stages in the production line.	The same transport will be used for the distribution of final products to wholesalers and major retail outlets.

Production	Farmers	FPSUs	Agri-Hub	RUMC
Flow				
	have to be organised with the FPSU.			
	Farmers intending to sell on certain			
	days would notify the FPSU for			
	necessary arrangements. For farmers			
	with large numbers of livestock, special			
	arrangements should be made to			
	transport animals as this can greatly			
	increase capacity at a shearing shed.			
	Smallholder and emerging farmers			
	should be allowed to rent a truck and			
	driver to fill a truck and deliver it to			
	processing facility. Commercial			
	farmers will have access to their own			
	vehicles or hire vehicles from the FPSU.			
Technology/	There has been a number of recent	The FPSUs should have computers for training	The Agri-Hub should provide easy	The RUMC will provide information
ІСТ	developments in the wool farming	purposes. Vehicles should be fitted with	access to information for the district's	data base that all the various basic
	sector that must be considered if the	tracking devices. The FPSU should also house	agricultural sector.	units of the Agri-Park can subscribe to.
	Agri-Park is to be efficient and	the most current agricultural information,		
	competitive. These include	such as weather conditions to maize prices on		
	developments in smart phone	the global markets.		
	applications.			

11.4.3 Maize

The Joe Gqabi Agri-Park concept for the production of maize looks at the production flow from the farm to the market (through to the RUMC). Due to maize being a relatively low priced commodity, the primary production of maize will need to table place at large scale, meaning that large hectares of land are needed and can be provided by the state. The production of maize will entail mechanisation and storage support from the FPSU among other services. The FPSU will support farmers with the planting and harvesting activities and maize can be transported back to FPSU for local sales and straight to the AH for further processing. Distribution to markets can be facilitated by the AH where possible, otherwise the RUMC will act as a distribution centre and assist with market related information. Further details on the development concept for maize are found in Table 11.4.

Table 11.4: Maize Development Concept

Production Flow	Farmers	FPSUs	Agri-Hub	RUMC
Location	Elundini LM and scarce parts of Senqu LM	It is proposed that each LM in the	The site for the Agri-Hub has been	There are likely only to be one
	have potential for maize production. It is	district would have a FPSU. In this	identified as Lady Grey, Senqu LM.	RUMC in the Eastern Cape for the
	therefore recommended that the JGDM	way local farmers would have easy		initial phase of the Agri-Parks roll
	Agri-Park focuses its maize farming in this	access to services. The FPSUs		out. It will likely be located in
	area.	would then be able to focus on the		Buffalo City. After this initial phase
		key commodity in the LM. In the		a RUMCs may be located in each
	Maize and maize-meat hub projects have	case of maize, the Mount Fletcher,		district municipality if there is a
	already been identified for the Elundini	Elundini LM FPSU would provide		need for it. If the Joe Gqabi Agri-
	LM.	services to the maize farmers.		Park develops into a feasible
				business venture and there is a
				demand for a RUMC in the future
				then a RUMC could be developed
				specifically for Joe Gqabi. During
				the early stages of the Agri-Parks
				project RUMC assistance will be
				provided by RUMCs in Buffalo City.
Key Roles and Functions	Farmers are responsible for the primary	The FPSU plays a critical role in	The main role of the Agri-Hub will	The RUMC would also provide the
	production, but have slightly different	ensuring availability and facilitating	be the training of emerging farmers	Agri-Park with valuable market
	roles according to size and complexity of	services. The FPSUs will serve as a	in the region on how to farm maize	intelligence, such as demand and
	operations.	collection and distribution point for	sustainably to a market acceptable	supply trends, marketing strategies
		farmers. It should operate as a	quality. Training in the marketing	and pricing mechanisms. The

Production Flow	Farmers	FPSUs	Agri-Hub	RUMC
Production Flow	FarmersSmallholderSmallholder farmers and subsistencefarmers are primarily concerned with cropproduction to aid food security supplyingprimarily to their own households andcommunities and also to local freshproduce markets or selling directly topublic in village market centres.Emerging farmerEmerging farmers form a link betweensubsistence farmers and commercialfarmers, having higher levels ofproduction. These farmers exhibit featuresof both smallholder and commercialfarmers and may sell produce in smallfresh produce markets and/or throughcommercial farmers farm large portions ofland with a high degree of mechanisationand technical sophistication. Thesefarmers make use of well-establishedcommercial marketing and logistics	 small-scale, decentralised Agri- Hub. The FPSU should perform the following functions: Farmers should be able to source input supplies (such as fertilizer, pesticides & herbicides). Training and extension services can also be provided at the FPSUs. Mechanisation and logistic support Provide limited storage facilities Provide limited sorting and processing services 	Agri-Hub aspects of farming. It is important to consider training in business practices and marketing. These actions alone should improve the prices that are being offered to emerging farmers. Training sessions involving practical and experiential learning will be crucial to the success of emerging farmers. Critical to the services offered by the Agri-Hub is the facilitation of training and skills development especially in the area of agricultural economics to ensure farmers understand the fundamentals running a sustainable farming enterprise.	RUMC should also provide a large warehouse (silo) and/or cold storage facilities.
	channels to sell their products.			
Human Resources	Additional human resources may only be required at emerging and commercial farms. This may include permanent staff to deal with day-to-day farm operations and seasonal workers during harvest time.	The following positions or services are required to assist smallholder or emerging farmers in each FPSU area. These may be available at present through existing public or	The following positions or services are required to assist smallholder or emerging farmers in each FPSU area. These may be available at present through existing public or	The following positions or services are required to assist smallholder or emerging farmers in each FPSU area. These may available at present through existing public or

Production Flow	Farmers	FPSUs	Agri-Hub	RUMC
		 private agriculture industry structures. If access to these services or personnel are not available in a FPSU area they need to be provided by the Agri-Park. If there are existing staff – integrate into AP. Local private and public entities much be approached to identify what services are available for inclusion into the Agri-Park model so duplication of services is avoided The FPSU will provide the following HR: Agricultural extension officer/ support office; Machine operators/ Local mechanisation centre and workshops; Agronomist Researchers Voluntary/Established commercial farmers to mentor the small scale farmers (<i>as</i> <i>many</i> as possible). State veterinarian 	 private agriculture industry structures. If access to these services or personnel are not available in a FPSU area they need to be provided by the Agri-Park. Local private and public entities much be approached to identify what services are available for inclusion into the Agri-Park model so duplication of services is avoided The AH will provide the following HR: Administrative manager Quality control personnel Research and Demonstration personnel Training personnel 	 private agriculture industry structures. If access to these services or personnel are not available in a FPSU area they need to be provided by the Agri-Park. Local private and public entities much be approached to identify what services are available for inclusion into the Agri-Park model so duplication of services is avoided The RUMC will provide the following HR: IT expert/personnel Administrative manager Training personnel Marketing agents (to faceplate market linkages, facilitate contracts with wholesalers and major retail outlets and also to gather information on prices at fresh produce market that would be communicated to the AH and FPSU).
Training	Maize is traditionally not one of JGDM's major agricultural commodities and therefore farmers may not be as familiar with maize as other commodities.	One of the key functions of the FPSU would be to provide training and extension support on various farm practices, to the SHF and emerging farmers. This support as	The Agri-Hub would be the centre of training facilities. Training at the Agri-Hub would include:	Training of personnel on how to disseminate information to the farmers, FPSUs and the Agri-Hub.

Production Flow	Farmers	FPSUs	Agri-Hub	RUMC
	 Subsistence, smallholder and emerging farmers may require training on: New production methods Best practice farming techniques ICT Extension officers and commercial farmers are well positioned to provide training and mentorship programmes. 	mentioned before would entail best farming practices, training for business management and market access as well as financial management.	based on changing demand and supply.	
Key products/ activities	 Core activities Land preparation (including land clearing, bed making), installing infrastructure (including water infrastructure, tunnel construction where applicable) Maize farming (including planting, fertilization, disease control, irrigation etc.) Harvesting of maize Packaging and transportation of maize. Core products Yellow maize White maize 	 The FPSUs core activities with regards to maize will be to: Collect local farmers' maize crops Provide limited storage facilities Milling Limited processing services Some quality control Engaging with RUMCs Auction facilitator Transporting excess produce to the Agri-Hub 	The core activities of the Agri-Hub is the training of best practice farming techniques, business management and to provide logistic support. The Agri-Hub would also be responsible for facilitating relationships between local farmers and markets. The Agri-Hub's core activities related to maize is facilitating the sale of produce.	 The core activities of the RUMC are: Collection of final products from the Agri-Hub Marketing and distribution of final products to different wholesalers and major retail outlets Exporting of final products Bulk storage of final products
Infrastructure/ equipment	Infrastructure and equipment required are specifically targeted to the smallholder and emerging farmers. Subsistence farmers do not produce a large enough quantity to warrant the need for extensive infrastructure and equipment. Commercial farmers are thought to already own or are in a position to acquire	 place the following equipment/infrastructure: Transport (eg. Bakkie or pick-up vehicles) Weighing and packaging machines 	The AH would require to put in placethe followingequipment/infrastructure:•Administrative facilities•Rental facilities•Agro-Processing facilities•Packaging facilities•Quality control facilities	 The RUMC would require to put in place the following equipment/infrastructure: Large warehouses/ holding facilities Cold storage facilities Administrative facilities/ information centre

Production Flow	Farmers	FPSUs	Agri-Hub	RUMC
	 the infrastructure or equipment relatively easier than smallholder and emerging farmers. Equipment such as: Tractors Trailers Ploughs Planters (seeds) Irrigation Fencing Basic farming implements (spades, hoes etc.) Trucks or Light Delivery Vehicles (LDVs) for transporting goods. The concept is that smallholder farmers would hire the necessary equipment from the Agri-Hub but emerging farmers would 			
Logistics	receive assistance to buy their equipment. Farmers should be organised into groups. Each group should have a group head that would communicate information from the farmers to the FPSU and also arrange for delivery of inputs with the FPSU. Certain days of the week should be assigned for collection of maize from the farmers. Farmers will unlikely have the necessary logistics available to take crops to silos so this will have to be organised with the FPSU. Farmers intending to sell on certain days would notify the FPSU for necessary arrangements. For farmers with	The FPSU should organise primary logistics in the form of collection vehicles either to hire or operated by the FPSU to collect crops to transport to the silos.	The same transport will be used to collect fresh crops from the FPSU to the Agri-Hub for processing. Transport facilities would need to serve a number of stages in the production line.	The same transport will be used for the distribution of final products to wholesalers and major retail outlets.

Production Flow	Farmers	FPSUs	Agri-Hub	RUMC
	large quantity of crops, special			
	arrangements should be made to			
	transport crops as this can greatly increase			
	capacity at a silo. Smallholder and			
	emerging farmers should be allowed to			
	rent a truck and driver to fill a truck and			
	deliver it to processing facility.			
	Commercial farmers will have access to			
	their own vehicles or hire vehicles from the			
	FPSU.			
Technology/ ICT	There has been a number of recent	The FPSUs should have computers	The Agri-Hub should provide easy	The RUMC will provide information
	developments in the maize farming sector	for training purposes. Vehicles	access to information for the	data base that all the various basic
	that must be considered if the Agri-Park is	should be fitted with tracking	district's agricultural sector.	units of the Agri-Park can subscribe
	to be efficient and competitive. These	devices. The FPSU should also		to.
	include developments in mechanisation,	house the most current agricultural		
	renewable energy, genetically modified	information, such as weather		
	crops and pest management control.	conditions to maize prices on the		
		global markets.		

11.5 Logistics Plan

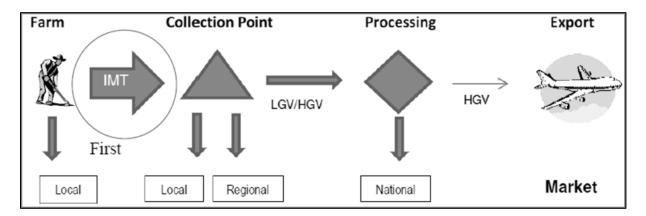
The focus of the logistics plan is to develop a strategy to move farm produce to market as smallholder and emerging farmers seek to become important players in the emerging food supply chain in South Africa. The logistics plan draws on challenges and opportunities faced by the farmers that are likely to participate within the Agri-Parks programme, while the focus remains on recognising the importance that transport plays in the emerging farmer value chains.

Understanding the logistics chain

It is important that the transport segments in the emerging agricultural sector are understood. The segments include the primary, intermediate and final transport route segments, described in further detail below:

- 1. The primary transport segment, also known figuratively as the first mile, is the segment in which product moves from farm to a consolidation/collection point that are found on primary roads where collection is typically easier. The key role-players in this segment are the farmers who move the produce from their farm to the consolidation/collection point.
- 2. The intermediate transport segment realises the movement of produce from the primary consolidation, or collection point to an intermediate point, or in this case an Agri-Hub. The key role-players at this point are larger, commercial farmers, or transporters.
- 3. The final transport segment will move product from the intermediate point to the final market, or destination.

These segments are exemplified in the following figure:



The above figure is a generic emerging, or small-scale farmer's logistics chain that contains the farm, consolidation/collection points, intermediate processing points and the final markets for the product. The first mile, in general, is the most important segment since it can be the most expensive segment of the logistics chain. It is often the case that product quality is compromised through bruising and ageing in this segment.

Recommended logistics strategy

Unlike commercial, large-scale farming, small-scale and emerging farmers produce smaller quantities and farms are spread over a wide spatial territory. As such, it is of high importance that consolidation points are developed in order to collect produce in viable volumes, while coordination with intermediaries and transporters is crucial so that the farmers jointly are able to create economies of scale. Consolidation points should therefore be developed at strategic locations on easy access roads and a well-structured approach is required in order to assist the farmers in produce consolidation. This is exemplified in the following logistics plan:

In order to do this, appropriate infrastructure is required at the consolidation points along with organised transport coordination (exploiting ICT) that will reduce value deterioration at the farm gate and consolidation/collection points. The following recommendations can be used in order to develop the logistics plan for the Agri-Park:

- 1. Locate and demarcate specific areas of production that will participate in the Agri-Parks programme.
- 2. Develop an inventory of what will be produced in the given demarcated areas.
- 3. Determine quantities to be produced in the demarcated areas.
- 4. Determine the total value of production that will be produced my small-scale farmers.
- 5. Determine and map the spatial location and spread of farms that will be producing within the programme.
- 6. Determine the location of the consolidation/collection points and what facilities should be made available.
- 7. Assess the potential perishability of the produce/value of the post-harvest losses.
- 8. Plan for the availability and reliability of transport services to collect produce.
- 9. Assess the quality of transport infrastructure in the location.
- 10. Determine the key market locations/destinations in the given area.
- 11. Develop, or enhance farmers' organisations and support groups.

The above process will assist in providing a better understanding of how to move produce from farm to market, while a comprehensive and integrated logistics management system can be employed to improve the efficiency in which produce can be moved to market taking into account rural infrastructure, consolidation management and collection services. The ability to understand the product movement will provide a foundation from which a logistics plan can be developed.

The following steps provide a broad outline toward the logistics plan, in which all elements of the Agri-Park including the farmers, FPSU, Agri-Hub and RUMC are integrated:

- 1. Demarcate farmer groups within a given production area.
- 2. Determine a central location of the consolidation/collection point for the produce in each of the demarcated areas.
- 3. Implement a logistics management system and programme through the FPSU and RUMC that will assist in moving farmers produce to the consolidation points.
- 4. Implement a logistics management system and programme through the FPSU and RUMC that will move product from the consolidation points to the Agri-Hub.
- 5. Implement a logistics management system and programme through the RUMC that will move product from the Agri-Hub to the market/final product destination.
- 6. The FPSU will be responsible for the movement/transportation of the product.
- 7. The RUMC will provide the market intelligence and therefore the timing of the movement of the product.

11.6 High Level Costing

The following tables present a high level analysis of the costs to establish the Agri-Park by looking at the costing examples of one FPSU and the Agri-Hub in Lady Grey. These costing examples are for complete new builds and do not take into consideration all of the existing infrastructure/services which may already be available for integration into the FPSU and AH.

The following costing presents an estimation of the costs to establish an FPSU in Burgersdorp. These costs are representative of the costs for FPSU's in other parts of the Joe Gqabi DM. The total new-build cost for a complete FPSU is calculated at ± **R28 216 500**.

Buildings	R 7 362 500
Office space	R 780 000
Mechanisation Centre and Workshop	R 700 000
Warehousing Facility	R 490 000
Training facility	R 392 500
Shearing shed	R 5 000 000
Infrastructure	R 2 173 000
Water bulk connection	R 65 000
Electricity connection	R 302 000
Road	R 1 050 000
Fencing & installation	R 592 500
Parking	R 163 500
Wool	
Transport Vehicles	R3 616 000
Implements	R240 000
Processing Equipment	R425 000
TOTAL	R4 281 000
Livestock	
Farm Vehicles	R 710 000
Transport Vehicles	R 3 400 000
Implements	R 120 000
Processing Equipment	R 870 000
TOTAL	R 5 100 000
Maize	
Farm Vehicles	R 3 550 000
Transport Vehicles	R 3 900 000
Implements	R 1 775 000
Processing Equipment	R 75 000
TOTAL	R 9 300 000
TOTAL	± R28 216 500

Table 11.5: FPSU – Burgersdorp

The following costing presents an estimation of the costs to establish the Agri-Hub in Lady Grey. These costs are for a complete new build. If the Agri-Hub makes use of existing infrastructure for the warehousing and processing of produce, existing cold storage facilities and infrastructure such as abattoirs and maize mills the

costs of establishment for the Agri-Hub can be drastically reduced. The total new-build cost for a complete Agri-Hub is calculated at \pm R 51 800 000.

Buildings	R 7 244 650
Administration offices	R 1 105 200
Training facilities	R 785 200
Warehouse & processing	R 2 446 000
Retail	R 2 174 400
Cold storage	R 733 850
Infrastructure	R 2 364 450
Water bulk connection	R 65 000
Electricity connection	R 188 750
Road	R 1 750 000
Fencing & installation	R 197 500
Parking	R 163 200
Equipment	R 45 000 000
Transport vehicles	R 5 000 000
Processing equipment – red meat	R 28 000 000
Processing equipment – wool	R 5 000 000
Processing equipment – maize	R 7 000 000
TOTAL	± R 51 800 000

Table 11.6: Agri-Hub – Lady Grey

The following costing presents an estimation of the costs to establish the Agri-Park. These costs are for all the Agri-Park units. If the Agri-Park makes use of existing infrastructure the costs of establishment for the Agri-Park can be drastically reduced. The total new-build cost for a complete Agri-Park is calculated at \pm R 164 666 000.

Agri-Park Unit	Total Cost
FPSU	R 112 866 000
Burgersdorp	
Aliwal North	
Mount Fletcher	
Sterkspruit	
Agri-Hub	R 51 800 000
Lady Grey	
TOTAL	±R 164 666 000

11.7 Conclusion

The Agri-Park development concept has provided an initial step to the development of the Agri-Parks programme that will become the foundation for the operation and functioning of the Joe Gqabi DM Agri-Park. Furthermore, the Agri-Park development concept ensures that the Agri-Park Model put forward by the DRDLR is applied by aligning to itself to the Model. Using the three main units – the FPSU, the AH and the RUMC as the foundation of the concept allows the development concept to reflect the model. Another basic component of the concept, the smallholder farmer, ensures that the smallholder farmer benefits from the programme while acknowledging and including primary production. With a basic understanding of the selected commodities

production flow, each of the commodities had a specific development concept proposed with the guidance of a combined development concept. The main aspects that need to be considered in the production flow were explored according to the smallholder farmer, FPSU, AH and RUMC.

Implementation Guidelines

Chapter 12

12.1 Introduction to the Implementation Guidelines

The purpose of the business plan was to guide the implementation of the Agri-Park Model in the Joe Gqabi District. This entailed various studies including analysing the socio-economic and agricultural status quo of the district, as well as an analysis of the top three commodities identified. Thus, the above studies informed the concept that has been developed for the Agri-Park and the top three commodities to be developed.

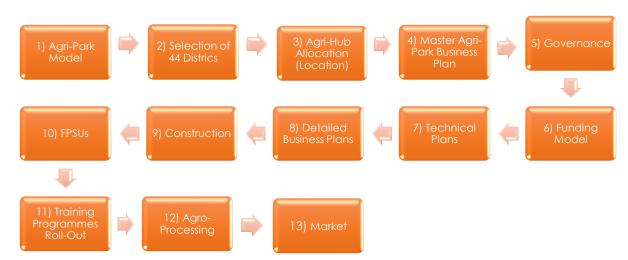
Implementation guidelines provide further information that leads to the realisation of the vision and concept of the Agri-Park. Practical guidelines are provided through which further development of the Agri-Park can be based upon. The Joe Gqabi Agri-Park's implementation guidelines are presented according to the following:

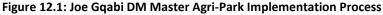
- 1. Implementation Process
- 2. Alignment to Government Programmes
- 3. Recommendations
- 4. Roll-Out Plan

The above are discussed in detail in the sub-sections below.

12.2. Implementation Process

The implementation process is a step-by-step sequence at which the implementation of the Agri-Park is expected to take place. In developing the implementation process for the Joe Gqabi Agri-Park, the stages that occurred before the development of the Business Plan are considered along with the relevant steps that should occur to make sure that the Joe Gqabi Agri-Park and is up and running with the top three commodities being produced, processed and sold to the identified markets. Figure 12.1 indicates the implementation process for the Joe Gqabi Agri-Park.





The steps indicated in figure 12.1 can be briefly described as follows:

- 1. Agri-Park Model The DRDLR initiated the Agri-Park Programme to implement the Agri-Park Model.
- 2. Selection of 44 Districts 44 districts in South Africa were identified and selected where each district would have an Agri-Park.
- 3. Agri-Hub Allocation (Location) The locations for the Agri-Hubs were identified in each district.
- 4. Master Agri-Park Business Plan A business plan is developed for each Agri-Hub.

- 5. Governance Strategic bodies and plans will be formed including defining ownership and management structures.
- 6. Funding Model A financial plan will be developed.
- 7. **Technical planning** The technical aspect of the Agri-Park will entail mainly the physical construction of the Agri-Park along with related infrastructure and technologies.
- 8. Detailed Business Plans the different units of the Agri-Park (FPSUs, AH and RUMC) as well as the farmers will have specific detailed business plans developed.
- 9. Construction The construction of the Agri-Park's units and other related infrastructure will start.
- **10.** Farmer Production FPSUs will be set up and run in order to make assistance available for farmers to start production through the Agri-Park.
- 11. Training Programmes Roll-Out Training programmes will commence from the FPSUs
- 12. Agro-Processing Once primary production has taken place, and products are ready, agro-processing activities will begin through the Agri-Park's AH.
- **13.** Market Completed products will be distributed and sold to relevant markets through assistance of the RUMC.

12.2. Alignment with Government Programmes

Section 3 of this Business Plan provides an analysis of the policies that are related to the Agri-Park's development along with the implications involved. However, for implementation that is effective and allows the district's Agri-Park to function efficiently, the programmes influenced by these policies should also be identified to make sure that the Agri-Park aligns with the programme's targets. Thus, programmes related to the Agri-Park from different government departments have been identified along with the Agri-Park's alignment these programmes. Table 12.1 demonstrates the alignment of the Agri-Park to the government programmes.

Programme/	Description	Agri-Parks Alignment	
Project/Campaign			
	Agricultural Programmes		
Agricultural Broad-	The implementation of AgriBEE is based on	✓ The Agri-Park will focus on the	
Based Black Economic	the commodity value chain approach. The	development of the value chains for	
Empowerment	approach is fundamental in creating	each of the identified commodities.	
(AgriBEE)	partnerships, linkages, and networks for balanced, mutually benefiting results for all concerned. The AgriBEE is expected to ensure enhanced competitiveness and sustainable development with expansion of the existing businesses, rehabilitation of agricultural business that are performing poorly and expanded entry for new businesses in the sector.	 ✓ In developing the value chain there needs to be a focus on integration of all stakeholder to be involved. ✓ Integration of the value chain will create partnerships and linkages that will be mutually beneficial for all stakeholder involved and enhance the competitiveness of the Agri-Park. ✓ Stakeholder engagement is required to encourage partnerships that are 	
	AgriBEE also encourages partnerships between established agricultural enterprises and emerging farmers and entrepreneurs.	beneficial from farmers to markets.	
Comprehensive	The programme provides agricultural support	✓ The Agri-Park should work closely with	
Agricultural Support	to land and agrarian reform projects, which	CASP projects to support the initiatives	
Programme (CASP)	contributes towards food security, job creation and poverty alleviation.	set out within CASP.	

Table 12.1: Government programmes

Programme/	Description	Agri-Parks Alignment
Project/Campaign		
Project/Campaign	CASP is also involved in the development of a number of policies, strategies and projects that are geared toward the development of the agricultural sector. These include: Agricultural finance lending Co-operatives establishment Access to markets Value chain development Improvement policies Production guidelines Agro-logistics planning Early warning climate systems This programme was initiated by the Food and Agricultural Organisation (FAO). The core goal of this initiative was to reduce hunger and food insecurity. To take further steps toward achieving this objective, the Special Programme for Food Security (SPFS) will be expanded to all nine provinces (DAFF, 2016). The SPFS and CASP have collaborated, and as a result 10% of the total CASP budget will also	 Policy alignment is key to achieve a common set of goals. The Agri-Park should focus on job creation through various initiatives, especially primary agriculture where there is potential for many job opportunities. The Agri-Park should investigate initiatives to extend credit to farmers. The Agri-Park needs to encourage and manage the establishment of cooperatives. Management practices need to be implemented at various stages of the value chain in order to ensure consistent production and product quality. Information technology should inform all stakeholders within the value chain. A major objective of the Agri-park is to improve food security. The Agri-Park will therefore be required to improve access to markets through engaging the markets and meeting the requirements of the market procurement policies.
	be aligned to projects that contribute directly towards food security (DAFF, 2016).	
Research and Development (R&D)	The programme encourages research and development within the realm of agriculture and involves all stakeholders within the national agricultural research system.	 ✓ Training forms part of the Agri-Parks many roles. ✓ Training requires research and development initiatives that should align with R&D programmes set out by government. ✓ R&D is required throughout the value chain and will be required to evolve as technologies do.
National Regulatory Services (NRS)	The increased trade in regulated agricultural products has required the development of the NRS that regulates and promotes international trade. This includes inspections of agricultural produce and bilateral negotiations. In addition, the NRS promotes awareness with respect to agricultural produce health matters.	✓ The Agri-park should implement policies that enforce international standards on production and processing that will allow the programme access to international markets.

Programme/	Description	Agri-Parks Alignment
Project/Campaign		
Land And Agrarian Reform Project (LARP)	The objectives of LARP are the redistribution of land, increased black entrepreneurship, promoting access to agricultural support services, increased agricultural production, and increased agricultural trade. The programme builds on lessons that have been learnt from previous land reform projects, reviews, the Land Summit and implementation reforms. The LandCare programme was established to promote productivity through the sustainable use of natural resources, to improve food security and create employment, therefore encouraging South Africans to use sustainable methods of cultivation, livestock grazing and harvesting of natural resources in order to limit land	 The Agri-Park forms part of the market for farmers and will therefore encourage production. Models are to be developed to distribute state own land and ensure land tenure is in place for producers. Access to the market through the Agri-Park will further encourage land that was previously not in production to produce. Access to the market through the Agri-Park will further encourage land that was previously not in production to produce. Access to the market through the Agri-Park will further encourage land that was previously not in production to produce. The Agri-Park is to encourage the sustainable use of land and resources.
Small Holder Farmer Evaluation	degradation. The programme focuses on the integration of smallholder farmers into the greater agricultural value chain. The programme works in conjunction with other programmes and provides strategic agricultural support.	 The Agri-Park will manage and encourage smallholder production, a primary objective of the Agri-park. Logistics and management plans are key to the success of integration of smallholder farmers.
	Rural Development Programm	nes
Comprehensive Rural Development Programme (CRDP)	The CRDP is in place to create decent work and sustainable livelihoods. The programme ensures sustainability, communal ownership and effective contribution toward the objectives of developing rural areas. The overarching objective of the CRDP is social cohesion and integrated development through participatory approaches and partnerships with all sectors of society.	 The Agri-park encourage primary production. Will have support mechanisms in place to ensure best production methods. Create jobs in primary agriculture. Ownership models encourage social cohesion, integration and participation from all stakeholders.
National Rural Youth Service Corps programme (NARYSEC)	NARYSEC is a youth skills development and employment programme that also forms part of the CRDP. The programme also provides character building programmes, soft and hard skills training and dispatches youth to rural areas for rural development projects. The programme further transforms the youth of rural areas, from being job seekers to being job creators.	✓ The Agri-Parks programme will encourage youth to participate in agriculture by creating viable and attractive agricultural enterprises.

Programme/ Project/Campaign	Description	Agri-Parks Alignment		
Rural Enterprise and Industrial Development (REID)	REID is in place to facilitate poverty reduction, social organisation, youth development and the development of cooperatives, rural enterprises and industries.	 ✓ The Agri-park encourage primary production. ✓ Will have support mechanisms in place to ensure best production methods. ✓ Create jobs in primary agriculture. ✓ Ownership models encourage social cohesion. 		
DRDLR Agri-Hubs Development	The DRDLR seeks to develop Agri-Hubs that will result in the growth of the local agricultural sector through integrated agricultural value chains.	✓ Similarities in the programmes are complementary and will align accordingly.		
Eastern Cape Dept. Rural Development & Agrarian Reform	The mandate of DRDAR is to "promote, support and coordinate rural development and agrarian reform to reduce poverty and underdevelopment through integrated and participatory interventions."	✓ Similarities in the programmes are complementary and will align accordingly.		
Eastern Cape Rural Development Agency	The ECRDAs mandate is to promote, support and coordinate rural development and agrarian reform to reduce poverty and underdevelopment through integrated and participatory interventions.	 Rural development programme Renewable energy programme Rural finance programme Rural development support programme Coordinate and facilitate external funding and investments to co-fund mega projects Establishment of rural development clusters and nodes. 		

12.3 Recommendations

The below table provides a list of recommendations that should be considered for the development of the Agri-Park in JGDM:

Key Areas	Recommendations		
Infrastructure	• It is recommended that all the unsurfaced (gravel) roads around the proposed location of the Agri-		
	Hub should be upgraded and developed, to facilitate easy access to and fro the Agri-Hub.		
	• The road network that will link to the various market centres (e.g. the fresh produce market) must		
	be carefully considered and upgraded where necessary.		
	• The district should look into the potentials of tapping into rail roads for the transportation of large		
	and heavy agricultural produce to long distances.		
	• It is further recommended that the district should capitalise on all existing initiatives and		
	infrastructure for the establishment of the Agri-Park. There should be upgrading and revitalisation		
	of any existing infrastructure that can be used to support the Agri-Park process.		
	• Also, it is recommended that the district should look into establishing infrastructure that will aid		
	the recycling of water.		
Natural	• Considering that the entire district is water scarce, more work should be done in determining water		
Resources	availability for agricultural production around the proposed location of the Agri-Hub, FPSU(s) and		
	around all the major areas where primary production potentials is huge as well as areas where the		
	available water sources can be used to support primary production.		

Key Areas	Recommendations
	• District should also look into water allocations and the existing irrigation schemes in the major
	production areas and maximise the use of these existing infrastructures.
	• A further recommendation is that small scale farmers should have rain harvesters (e.g. JoJo Tanks
	and boreholes on their farms. This would serve as water reservoirs in the absence of rain fall.
Agri-Park	• Efforts should be made in ensuring that products processing and packaging (value-addition
commodities	comply with international standards, to enhance products' suitability for the export markets. This
	is especially critical to wool farmers.
	• Although, the initial phase of the project will support the development of the value-chain of the
	three pre-dominant commodities in the Joe Gqabi DM, it is recommended that processing facilities
	should be expanded in subsequent phases.
	Maize milling can be developed at the Agri-Hub level and Agro-Processing of maize into such
	products as feed pellets, canned sweet corn, frozen corn etc. once sufficient local supply is available
	for such enterprises to become viable.
	The development of an abattoir in Sterkspruit. There is currently space in the market for an abattoir
	at FPSU level that has deboning facilities. This should largely be focused on B and C grade meats for
	the local markets.
Technology	• Although, statistics show that the majority (80%) of households in the Joe Gqabi DM already have
	access to cell phones, it is recommended that the telecommunication services should be upgraded
	(e.g. erection of cell towers) in areas that are currently underserviced, particularly in the rural areas
	since most of the farmers that would be targeted are located in these Areas.
	• A further recommendation is that all the technologies that are to be adopted (particularly in the
	area of farm mechanisation) throughout the Agri-Park process should be those that will not lead to
	a decline in the number of job opportunities.The ICT to be adopted or introduced to the farmers should be user friendly and not be too complex
Training	 It is recommended that the FPSU should establish partnership with certain research institutions for
irannig	research and development, and also to facilitate training programmes. Partnership should also be
	established with commercial farmers in this regard. The FPSUs have the opportunity to link with
	BKB and TVK operating in the area.
	 It is also recommended that practical manuals and information packages should be developed for
	the small scale and emerging farmers to assist them in their production processes. These manuals
	and information packages should cover aspects relating to: regulatory requirements, informatior
	on support programmes, production guidelines, etc. Where possible, manuals should be developed
	in language of choice to enhance easy understanding.
Agri-Park	• The FPSU(s) should be strategically located around productive farms and areas with huge potentials
Units	for primary production. Burgersdorp, Aliwal North, Lady Grey and Mount Fletcher have beer
	selected as FPSU sites because of existing infrastructure and/or existing farming activities.
	• The group of farmers that would be earmarked for production, for the Agri-Park, should be
	identified as part of the kick-off programme.
	• It is a further recommendation that business plans should be developed for the FPSUs, Agri-Huk
	and RUMC of the Agri-Park as well as the farmers that would participate in the Agri-Park process.
	• Develop an inventory a map farmers that are earmarked for production within the Agri-Park
	Production areas should be zoned and mapped and FPSUs should be centrally located to these
	production zones. Zoning in this manner will allow for streamlining of logistic activities that take
	place within the Agri-Park. Farmers are to be engaged and informed of the process and
	development of the Agri-park – they will also be required to have a representative body for
Logistics	engagement with various stakeholders.
Logistics	 It is recommended that a comprehensive logistic plan should be developed as a separate document that would guide the implementation of the Agri Bark process.
	that would guide the implementation of the Agri-Park process.

Key Areas	Recommendations		
	 It is recommended that smallholder farmers with small production capacities should be encouraged to work in joint ventures in order to participate in supplying the Agri-Park. A further recommendation is that internal transport facilities (e.g. long buses) should be arranged for the purpose of transporting tourists visiting the Agri-Parks. This transport facilities can also be used as staff buses. This will serve as a source of revenue for the Agri-Park. The District Agri-Parks Councils should engage with other departments and be responsible for the implementation of the Agri-Parks. A representative body must take ownership of the Agri-Park and implement the project. This body should represent all stakeholders, public and private, within the Agri-Park. 		
Policy Environment	 Cross-border relationships and partnerships should be encouraged or formed with neighbouring districts, where infrastructure and resources can be shared, should the district be short of or have excess of certain resources. The establishment and management of committees and structures contribute to maintaining the AP's principles and drive its development. It is also recommended that the district should develop a strategic plan that can be reviewed after a certain short term period, to allow for the normative context of the AP to be upheld, and also to allow for the evaluation of the AP development. Policy around land ownership should be revised such that it provides security of tenure to farmers. Ownership of land encourages farmers to invest in their land and encourages borrowing for financing activities. Ownership of land encourages productivity and is therefore mutually beneficial for the farmer and the Agri-Park. 		
Funding /investment	 JGDM should develop funding mechanisms that would encourage and attract foreign investments. Investment policies that would encourage more investments on agricultural land should be established. 		
Integrated Development	• The structures within the RUMC and the AH should be developed in such a way that it will allow for Agro-tourism e.g. school excursion, visits by tourists, etc.		
Market	 More programmes that would be directed towards establishing market linkages should put in place. JGDM should form partnership with some of the existing main players in the various industries to enable them penetrate the international market. 		
Incentive programme	• Incentive programmes and packages that would make agriculture more attractive, (especially to the youth) should be developed. For example, awarding scholarships that would encourage young individuals study in the field of agriculture, creating a youth centre within the Agri-Park, to help the underprivileged youth in a way such that they render services to the Agri-Park, while they get taken care of in return.		

These recommendations are based on the analysis done on the economic infrastructure, socio-economic analysis and consultations with district stakeholders and the understanding of the status quo of agriculture within the JGDM. The recommendations inform what needs to be done in order to achieve the goals that have been set out within the business plan.

Recommended Catalytic Projects

Over and above the recommendations compiled in Table 12.2, projects that will assist in the kick starting and supporting the Agri - Park's success are recommended. These are referred to as catalytic projects that will be the main focus of the Agri - Park.

• Increase the genetic quality of emerging farmers livestock (District wide).

- Develop abattoir facilities at an FPSU level that focuses on deboning and grade B and C meat for the local markets (Aliwal North/ Lady Grey).
- Construct shearing sheds and provide bailing facilities for farmers as well as provision of a centralised wool collection point so it can be transported for export (Gariep, Maletswai, Senqu).
- Develop the niche wool sector in Joe Gqabi particularly in Barkley East (Senqu).
- Creation of maize silos and milling facilities for maize production in Maclear.
- Develop training facilities for small holder and emerging farmers in order for farmers to produce livestock, maize and wool for the market (Aliwal North).

12.4 Roll-Out Plan

The roll out plan is illustrated below – indicates a step-by-step plan that should be followed.

Action	Description	Start date	Duration
Agriculture land audit	An agricultural land audit is necessary to determine specific areas of agricultural suitability within the district for agricultural production of the three prioritised commodities, including an assessment of the land currently under cultivation by small-holder and emerging farmers to guide the development of these farming concerns.	0 - 6 months	± 6 months
Farmer identification	Interested small-holder and emerging farmers must be assessed to determine current levels of production, infrastructure and equipment gaps and organisational requirements. A prioritisation model must be applied to candidate farmers to determine the farms/farmers where Agri-Park projects can have the greatest impact.	0 - 6 months	Initial phase ± 6 months then ongoing
Project development & prioritisation	The Agri-Park, in addition to supplying key services to local farmers also has a role to play as an implementing agent developing projects to develop local farmers or invest in key processes and technologies to advance local small-holder and emerging farmer agriculture.	3 - 12 months	Ongoing
Logistics plan	The logistics plan will create a logistics management system to handle in-bound and outbound logistics for the FPSU, AH and RUMC to ensure the efficient movement of produce, and agricultural inputs between farmers and destination markets.	0 - 6 months	Ongoing
Training & mentorship plan	The training & mentorship plan will determine what training and mentorship services need to be provided to local farmers and set out a system for the implementation of training and mentorship across the district.	0 - 6 months	± 3 months
Operational plan	The operational plan will set out the norms and procedures for the day to day operation of the Agri-Park and its individual elements.	0 - 6 months	Ongoing
Agriculture & business services scoping report	This report will assess what agricultural & business services (including infrastructure) are already in place, what entity (public / private) provides said services and where gaps exist that the Agri-Park must address through infrastructure or other interventions.	0 - 6 months	± 6 months

Joe Gqabi Agri-Park Master Business Plan

Action	Description	Start date	Duration
Infrastructure investment plan	The infrastructure investment plan will determine what infrastructure is required at each FPSU, Agri-Hub and RUMC and prioritise infrastructure projects to ensure efficient allocation of resources and the greatest impact on local agriculture.	6 - 12 months	± 6 months
Establishment of linkages with key public / private sector stakeholders	Engage with local public / private stakeholders to provide key agricultural and business services to local small-holder and emerging farmers to ensure access to these services and to prevent needless duplications of infrastructure or services within the district.	3 - 6 months	± 6 months
Construction of Agri-Hub infrastructure	Construction of core Agri-Hub infrastructure aimed at developing local small-holder and emerging farmer groups.	12 - 18 months	± 6 months administration, training facilities, warehousing, cold storage etc.
	Construction of processing and agro-processing infrastructure (where necessary) to advance the local agriculture sector.	Varying	Varying investment timelines for agro- processing infrastructure according to infrastructure investment plan
Construction of FPSU infrastructure	Construction of all necessary FPSU infrastructure as listed in the report.	12 - 18 months	± 6 months
Construction of RUMC infrastructure (If complete new build required)	Construction of RUMC infrastructure as listed in the report. *NOTE: It is likely that no new RUMC infrastructure is required and that the existing fresh-produce market in Aliwal North can be used / upgraded to suit the needs of the RUMC.	12 - 18 months	± 6 months
Develop infrastructure funding model	Development of a funding model to finance the construction of fixed assets, infrastructure and other long term Agri-Park projects.	0 - 6 months	± 6 months
Establishment of management committee	Establishment of management committee to oversee the functioning of the Agri-Park and constituent elements.	0 - 6 months	± 3 months
Skills audit	The skills audit will determine the exact staffing requirements for each functional section of the Agri-Park including staff for FPSU, AH and RUMC.	0 - 6 months	± 3 months
Advertising of employment opportunities	Following the skills audit, employment opportunities will be advertised.	3 - 9 months	± 3 months
Project funding model	Development of a funding model to finance the construction of short - medium term operational projects.	0 - 6 months	± 6 months
Procuring of services for	Procuring of various trainers, agricultural mentors etc. required to enhance the agricultural and business skills of local small-holder and emerging farmers.	3 - 9 months	± 3 months

Joe Gqabi Agri-Park Master Business Plan

Action	Description	Start date	Duration
training and			
mentorship			

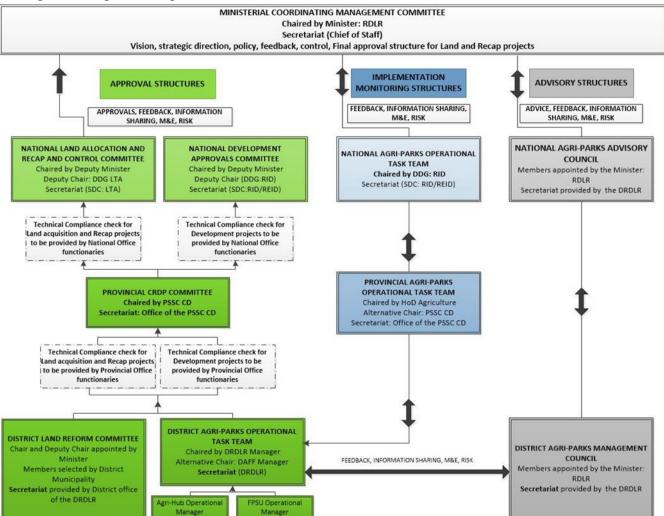
Organisational Structure

Chapter 13

13. Agri-Parks Organisational Structure

To explain the organisational structure of the Agri-Parks the following schematic is used:





In explaining the organisational structure, there are three sub structures that form part of the Agri-Parks: 1. Advisory Structures, 2. Approval Structures and 3. Implementation Monitoring structures.

13.1 Advisory Structures:

The main functions of the advisory structures within the Agri-Parks organisational structure are to give advice to the approval structures. The advisory structures that are currently identified are the National Agri-Parks Advisory Council (NAAC) and District Agri-Parks Management Council (DAMC). It is important to note that the advisory structures' member primarily comprise of stakeholders and interested party.

NAAC

This council reports directly to the minister and consists of elected representatives of various organisations. Functions of the NAAC may include (as stipulated in *Circular 9 of 2016*):

• To solicit, co-ordinate and advise the Executive, on issues and concerns of the implementation of the Agri-parks Programme;

- To encourage public awareness and education of the Agri-parks Programme;
- To review studies, plans and proposals as may be referred by the Executive and District Agri-parks Management Councils (DAMCs) and the National Agri-parks Operational Task Team, and to provide comments and advice thereon;
- To provide advice on policies, legislation and programmes from the Department of Rural Development and Land Reform (DRDLR) that impact on the Agri-parks Programme;
- To initiate advice on the Agri-parks Programme and implementation of the business plans as referred to by the DAMCs;
- To liaise with the Executive, the Management of the DRDLR, the DAMCs and any other stakeholder involved in the Agri-parks Programme as required; and
- To mediate disputes arising from the DAMCs concerning its operation and/or advice provided to the Department or other bodies that are implementing the Agri-parks programme in a district.

DAMC

The District Agri-Parks Management Council, also referred to as the "voice" of the stakeholders/interested parties in Agri-Parks. The DAMCs like the NAAC consist of representatives from various organisations. The DAMCs main function is to communicate advice from the council members to the NAAC as well as DAPOTT (District Agri-Parks Operational Task Team). Further functions of the DAMC include, but are not limited to the following:

- Assist in identifying new business opportunities within an Agri-park;
- Provide advice on the implementation of the business plans;
- To advise on regulatory compliance with applicable policies and legislation;
- To advise on the alignment with the National Development Plan, Agricultural Policy Action Plan, Provincial Growth and Development Strategies and other development frameworks; and
- To assist in the identification, evaluation and monitoring of risks related to projects.

Agri-Hub and FPSU Operations Manager

The Agri-Hub and FPSU operations manager will be in charge of the daily operations of the Agri-Hub and FPSU. They will form part of the operations team for the Agri-Park. Each FPSU should be staffed by FPSU Officers while the FPSU Operations Manager will oversee the Officers. There will only be one FPSU Operations manager per district but there will be one officer per FPSU to oversee the basic operations of the FPSU e.g. in Joe Gqabi District the Agri-Hub and FPSU operations Managers will be located in Lady Grey at the Agri-Hub while four FPSU officers will be located in each FPSU in the District.

13.2. Approval structures:

These structures are responsible for approvals, feedback, information sharing, monitoring and evaluation regarding land reform activities and Agri-Park project approval. To explain the functioning of the approval structure it essential to understand that in terms of the Agri-Parks organisation the project approval process is started on the district level.

The approval structures that form part of the Agri-Parks include the DAPOTT, District Land Reform Committee, Provincial CRDP (Comprehensive Rural Development Programme) Committee, National Development Approvals Committee (NDAC) and the National Land Allocation and Recapitalisation Control Committee (NLARCC). Note: It is understood that both the DLRCs and DAMCs can recommend projects/producers to be considered to be part of Agri-Parks.

DAPOTT

The DAPOTT as part of the Agri-Parks Approval Structure receives advice from the DAMC as well as information from PAPOTT and NAPOTT. DAPOTT appears to have the role to interpret all the information and acting as a monitoring agent to advise on projects and land reform beneficiaries to be included in the Agri-Parks. Some of the functions of the DAPOTT include but are not limited to:

- To provide technical support and guidance for implementation;
- To provide oversight of the implementation of the district Agri-parks business plan;
- To monitor expenditure against the district Agri-parks business plan;
- To identify all district projects that contribute to the district Agri-parks business plan and to compile a district project register (all DRDLR branches);
- To monitor project implementation against the approved project plan and district Agri-parks business plan;
- To participate in the identification and packaging of local development projects in support of the mandate of the Department of Rural Development and Land Reform;
- To advise on proposals that should be submitted to the Provincial CRDP Committee; and
- To provide an oversight function and monitor the implementation of the Government's Rural Development Programmes.

DLRC

The District Land Reform Committees (DLRCs), are primarily concerned with land reform in general. However, the DLRCs have additional functions linked to Agri-Parks:

- To identify the district projects contributing to Agri-Parks business plans; and
- To align projects and beneficiaries with the identified sites for Agri-Parks.

The abovementioned functions are however secondary to the following main functions:

- Identify farms suitable for acquisition by Government (the target is 20% of agricultural land per district);
- Identify and interview potential candidates for farm allocation;
- Advise the Minister on the strategic support needs of identified farms and support needs of recommended candidates; and
- Advise the Minister on resolving land rights conflicts, as might be referred to a DLRC by him/her.

Note: Projects and or beneficiaries identified by the DLRCs and DAPOTT, are subjected to technical compliance checks before being passed onto the PCRDP

PCRDP

The PCRDP functions as the provincial approval structure that passes projects/beneficiaries identified by the DLRCs and DAPOTTs onto the National Government structures. Regarding this specific structure within the Agri-Parks organisational structure the name of this structure may have changed to the PJSC (unknown) as suggested in a different schematic (see below). The projects/beneficiaries identified are then catalogued into a Provincial Project Register that contributes to the formulation of a provincial spatial target plan. The functions of the PCRDP include:

- To provide inputs to assist in the compilation of the provincial spatial targeting plan, as provided by the districts;
- To recommend all development, land acquisition and tenure projects in line with a Delegation of Authority Framework to the NLARCC and NDAC through its technical committees; and
- To provide an oversight function in relation to the work of the Provincial Technical Committees and District CRDP Committees, to eliminate disjuncture and to ensure alignment of projects and funding at a provincial level.

The PCRDP can also include specialists if specialist skills are required to inform decisions to be made regarding project selection.

Projects and or beneficiaries chosen by the PCRDP are subjected to technical compliance checks before being passed onto the NLARCC and the NDAC

NLARCC

The function of the NLARCC is to recommend land acquisition and recapitalisation projects to the MCM (Ministerial Coordinating Management committee). The full list of functions of the NLARCC is as follows:

- To provide inputs to assist in the compilation of the national spatial targeting plan as provided by the provinces;
- To identify all national projects as per operational plans and compile a national project register
- To approve land acquisition, tenure and recapitalisation and development projects in line with a delegation of authority framework; and
- To provide an oversight function in relation to the work of the National Technical Committee and Provincial Committees, to eliminate disjuncture and to ensure alignment of projects and funding at a national level.

Looking at the above function, the NLARCC and PCRDP have the same functions but only on different levels within the government.

NDAC

The main function of the NDAC is to approve all the national development projects and to give oversight to the PCRDP committees and the National Technical Committees (NTCs part of the land reform approval process). The functions of the NDAC are almost the same as the functions of the NLARCC, but the NDAC does not play a role in the identification of projects or the approval land acquisition, tenure recapitalisation and development projects.

13.3. Implementation and Monitoring Structures

Currently there are only two structures within the Agri-Parks organisational structure that are solely dedicated to implementation and monitoring, the PAPOTT (provincial Agri-Parks Operation Task Team). PAPOTT and NAPOTT are however not exclusively dedicated to Agri-Parks, these two structures also play a role in the monitoring and implementation of other programmes that can influence the Agri-Parks programme.

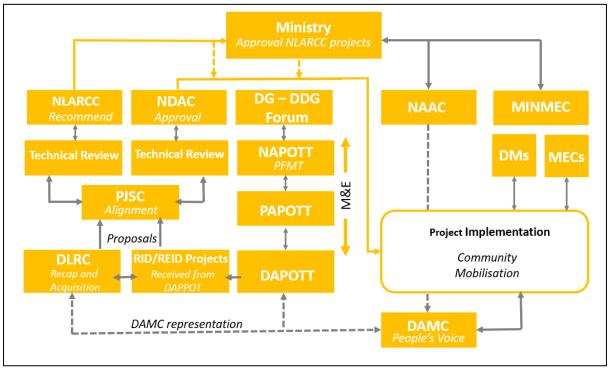


Figure 13.2: Implementation and Monitoring Structures

NAPOTT

The NAPOTT has various functions that are focussed towards on the operation of Agri-Parks both in terms of implementation and on-going operation. These functions include but are not limited to:

- Developing the National Agri-Parks Plan;
- Contributing to the development guidelines of Agri-Parks;
- Monitoring provincial business plans against the abovementioned guidelines;
- Monitoring budget alignment as set out in the business plans;
- Giving inputs to assist in the compilations of provincial Agri-Park business plans; and
- Managing project project roll out of Agri-Parks in line with approved project plans nationwide.

PAPOTT

The main functions of the PAPOTT is to coordinate and facilitate integrated implementation of Agri-Parks by providing technical support regarding planning and implementation, giving inputs to the compilations of Agri-Parks Business plans etc. Note: PAPOTT will only remain operational until the Agri-Parks programme has reached a sustainable level, then PAPOTT will be integrated with the PCRDP.

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