

REPUBLIC OF KENYA

GOVERNMENT OF MAKUENI COUNTY



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DEVOLUTION DESK  
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## **ANNUAL KDSP INVESTMENT GRANT 2 ON MAKUENI GRAIN PROCESSING PLANT: 100% COMPLETION PICTORIAL REPORT**

### **BACKGROUND INFORMATION**

Pulse production is a major livelihood activity in the mid and lower zones of the County. They play an important role in farming systems and general economy of the County. The main pulses produced in the County include green grams, cowpeas, beans, pigeon peas and dolichos.

In 2020 farmers were cultivating pulses on 24,947 hectares (ha) of land, involving an estimated 120,000 households, producing 203,870 tons of pulses (table 1). Of the four main pulses grown in the County green grams is the most traded commodity with 65% of total produce going to market. Green grams was identified, prioritized and ranked highest by stakeholders among other priority value chains for the County due to its high potential to increase productivity; Potential to contribute to sustainable Natural Resource Management (NRM); existence of unmet market demand; market size and prospects for growth; relatively high profitability of the enterprise; High potential to contribute to food and nutrition security; potential to generate employment and for value addition; potential to involve women, youth and vulnerable groups in its production.

### **Crop production statistics for 2019 and 2020**

Crops	2019			2020		
	Area (Ha)	Quantity (Ton)	Value (Kshs)	Area (Ha)	Quantity (Ton)	Value (Kshs)
Beans	32,915	31,287	2,034,733,379	42,858	35,489	2,191,085,000
Pigeon peas	78,138	75,450	2,694,754,615	68,014	63,530	2,806,310,000
Cowpeas	60,551	56,053	1,245,328,611	67,030	58,196	1,429,920,000

Green Grams	68,143	50,714	2,689,508,795	74,460	51,611	2,835,092,000
<b>Total</b>	<b>239,747</b>	<b>213,503</b>	<b>8,664,325,400</b>	<b>252,362</b>	<b>208,826</b>	<b>9,262,407,000</b>

*Source: Department of Agriculture, Irrigation, Livestock and Fisheries validated data 2021*

## PROGRESS REVIEW

The Kenya Devolution Support Programme (KDSP) has supported the project a total of Ksh 168,000,000.00, which was utilized in development of physical infrastructures and purchase of the processing machine.

**Table 1: Project Implementation Progress to Date**

S/No	Item Description	Scope of works	Progress to date
1.	Main ware house for the machine.	Construction of the main warehouse for the grain value addition plant.	Complete to scope
2.	Perimeter wall	Construction of perimeter wall around the entire compound with gatehouse and 3 gates.	Complete to scope.
3.	Weigh bridge control room.	Construction of Weighbridge Control Room.	Complete to scope.
4.	Water supply system to the plant.	Construction of water sump, installation of pump, trenching, piping and installation of steel elevated 50m <sup>3</sup> water tank on the site.	Complete to scope.
5.	Weigh bridge installation.	Supply, delivery, installation, testing, training and Commissioning of an 80 ton weighbridge.	Weigh bridge installed.
6.	Environment and social impact assessment.	Environment and social impact assessment.	Complete to scope.
7.	Value addition machine.	Supply, delivery, installation, testing, commissioning & training on grain cleaning, drying, sorting, polishing, grading & bagging plant.	Machine installed and tested Drier installed
8.	Installation of diesel tank, pump and accessories.	Supply, delivery, installation, testing and commissioning of a diesel storage tank, piping and pump installation.	Diesel tank installed
		<b>Total cost for 2018/19 f/y</b>	
	<b>Item Description</b>	<b>Scope of works</b>	<b>Progress to date</b>

S/No	Item Description	Scope of works	Progress to date
9	Additional works	Completion of silo plinth, machine platform, epoxy floor finishing and windows	Complete to scope
10	Underground water tank, Ablution block and septic tank and soak pit	Construction of underground water tank, ablution block septic tank and soak pit	Complete to scope
11	Supply of wooden pallets	Supply of wooden pallets	Supplied
12	Supply of packaging materials	Supply of packaging materials gunny bags	Supplied
13	Supply of grains for testing the machine	Supply of grains for testing the machine (green grams, beans ,cowpeas and pigeon peas )	Supplied
14	Installation of Security systems (CCTv)	Installation of Security systems (CCTv)	Installed
15	Recruitment of technical staff	Hire of staff (Plant Operator/Engineer, Electrician, Quality Assurance Officer and Production officer/Plant Manager	Four technical staff recruited and trained on operation of the machine (plant is now operated through county staff under the department of Agriculture and Marketing)
16	Apprentices programme	Recruit students for the programme	Four apprentice were recruited ( under the youth empowerment program)
17	Electrical installations	Construction of generator house, electrical wiring and supply, installation, testing and commissioning of 250 KVa power generator	Complete to scope
18	Power connection to the plant	power supply by Kenya power and lighting company	Power connected
<b>Project 100% complete and operational – Awaiting Official Commissioning</b>			

## Potentials Markets

Local markets	Supermarkets, Cottage industries, schools, hospitals, wholesale outlets, retail stores, KDF, National Police Service, NYS etc.
Relief food agencies	WFP, Kenya Red cross, other NGOs etc.
Regional markets	East Africa countries
Export markets	Middle East, Asian countries, India, European countries, China etc.

## Program Benefits:-

- The programme opens up new off farm employment opportunities for the farmers in the areas of value addition of pulses, branding, packaging and marketing for instance new business opportunities for bodaboda transporters of raw and processed products.
- New transportation opportunities for raw materials from farm to the plant and from plant to the market will be opened up.
- Farmers are benefiting significantly from improved market information systems, and increased capabilities to engage with value chain actors regarding production, bulking, input access, price negotiation and targeting production through the cooperative society.
- Consumer awareness and interest in pulse products is expected to increase among households thus improving on their nutritional status.
- Improved crop management practices and technologies will stimulate market participation by both women and youth as they effectively increase the quantity available for sale.
- Basic value addition activities such as proper drying, sorting, grading, storage, and pest control will help improve quality and prices. When farmers achieve higher prices, they increase marketing.
- Price stabilization and elimination of brokers and middlemen who often exploit the farmers

## PICTORIAL PRESENTATION OF THE PROJECT

### 1) External



## 2) Internal



