Draft Basic Assessment Report

for

KOMAROS (PTY) LTD

REF:

Prepared by:

Bucandi Environmental Solutions

BUCANDI
ENVIRONMENTAL SOLUTIONS
Environmental concerns? Consider it solved!

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(*Pr.Sci.Nat.*) Reg. No. 400108/11 (SACNASP)
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LIMPOPO
PROVINCIAL GOVERNMENT
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF
ECONOMIC DEVELOPMENT, ENVIRONMENT & TOURISM

BASIC ASSESSMENT REPORT - EIA REGULATIONS, 2014

Basic Assessment report in terms of the Environmental Impact Assessment Regulations, 2014, promulgated in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.

File Reference Number:	
	(For official use only)
NEAS Reference Number:	
Date Received:	
Due date for acknowledgement:	
Due date for acceptance:	
Due date for decision	

Kindly note that:

1. The report must be compiled by an independent Environmental Assessment Practitioner.

2. The report must be typed within the spaces provided in the form. The size of the spaces provided is not necessarily indicative of the amount of information to be provided. The report is in the form of a table that can extend itself as each space is filled with typing.

3. Where applicable **tick** the boxes that are applicable in the report.

4. The use of "not applicable" in the report must be done with circumspection because if it is used in respect of material information that is required by the Department of Economic Development, Environment and Tourism as the competent authority (Department) for assessing the application, it may result in the rejection of the application as provided for in the regulations.

5. An incomplete report may be returned to the applicant for revision.

6. Unless protected by law, all information in the report will become public information on receipt by the department. Any interested and affected party should be provided with the information contained in this report on request, during any stage of the application process.

7. The Act means the National Environmental Management Act (No. 107 of 1998) as amended.

8. Regulations refer to Environmental Impact Assessment (EIA) Regulations of 2014.

9. The Department may require that for specified types of activities in defined situations only parts of this report need to be completed. No faxed or e-mailed reports will be accepted.

10. This application form must be handed in at the offices of the Department of Economic Development, Environment and Tourism: -

Postal Address:	**Physical Address**:
Central Administration Office Environmental Impact Management P. O. Box 55464 POLOKWANE 0700	Central Administration Office Environmental Affairs Building 20 Hans Van Rensburg Street / 19 Biccard Street POLOKWANE **0699**

Queries should be directed to the Central Administration Office: Environmental Impact Management: -

For attention: Mr E. V. Maluleke

Mobile: 082 947 7755

Email: malulekeev@ledet.gov.za

View the Department's website at http://www.ledet.gov.za/ for the latest version of the documents.

SECTION A: ACTIVITY INFORMATION

Has a specialist been consulted to assist with the completion of this section?	YES	NO X

If YES, please complete the form entitled "Details of specialist and declaration of interest" for the specialist appointed and attach in Appendix I.

1. PROJECT DESCRIPTION

a) Describe the project associated with the listed activities applied for

Komaros (Pty)Ltd is proposing the construction of 8 poultry houses with a capacity for 50 000 birds per house on Portion 23 of the farm La Gratitude 513 LT situated in the Mopani District Municipality within Greater Tzaneen Local Municipality. The need for a Basic Assessment is triggered by Listing 1; Activities 5 (ii) & (iv) and 28 in GN R327 dated 4 December 2014 and amended on 07 April 2017. Each house will have the capacity for 50 000 birds. The entire proposed development will be able to house up to 400 000 birds. The total footprint of the development will be 51 405.64 m^2 (5.14 ha).

The project will entail the following:

- The utilisation of 5.14 ha of agricultural land that is classified as Critical Biodiversity Areas 1 (CBA 1). The land has been completely transformed by crop cultivation.
- Construction of 8 environmentally controlled poultry houses (150 m x 15 m) with capacity for 50 000 birds per house, totalling 400 000 birds.
- A silo and water tank will be erected next to each house.
- Powerlines will be connected to each house from inverters fed from solar panels on the roof of the houses.
- Pipelines will be connected to each house from an existing borehole.

The site will be fenced off with a 2.4 m electric fence.

b) Provide a detailed description of the listed activities associated with the project as applied for

Listed activity as described in GN 327,325 and 324	Description of project activity
(ACTIVITY NO. 5) The development and related operation of facilities or infrastructure for the concentration of (ii) more than 5 000 poultry per facility situated outside an urban area, excluding chicks younger than 20 days and (iv) more than 25 000 chicks younger than 20 days per facility situated outside an urban area.	The activity will entail the construction 8 environmentally controlled chicken layer houses (150 m x 15 m each). Each house will have the capacity for 50 000 birds. The entire proposed development will be able to house up to 400 000 birds.
ACTIVITY NO. 28: Residential, mixed, retail, commercial, industrial or institutional development where such land was used for agriculture, game farming, equestrian purposes or afforestation on or after 01 April 1998 and where such development (ii) will occur outside	The utilisation of 5.14 ha of agricultural land that is classified as Critical Biodiversity Areas 1 (CBA 1). The land has been completely transformed by the cultivation of crops and no natural vegetation remain.

an urban area, where the total land to be developed is bigger than 1 hectare.	

2. FEASIBLE AND REASONABLE ALTERNATIVES

"alternatives", in relation to a proposed activity, means different means of meeting the general purpose and requirements of the activity, which may include alternatives to—

(a) the property on which or location where it is proposed to undertake the activity;
(b) the type of activity to be undertaken;
(c) the design or layout of the activity;
(d) the technology to be used in the activity;
(e) the operational aspects of the activity; and
(f) the option of not implementing the activity.

Describe alternatives that are considered in this application as required by Appendix 1 (3)(h) of GN 326, Regulation 2014 as amended. Alternatives should include a consideration of all possible means by which the purpose and need of the proposed activity (NOT PROJECT) could be accomplished in the specific instance taking account of the interest of the applicant in the activity. The no-go alternative must in all cases be included in the assessment phase as the baseline against which the impacts of the other alternatives are assessed.

The determination of whether site or activity (including different processes, etc.) or both is appropriate needs to be informed by the specific circumstances of the activity and its environment. After receipt of this report the, competent authority may also request the applicant to assess additional alternatives that could possibly accomplish the purpose and need of the proposed activity if it is clear that realistic alternatives have not been considered to a reasonable extent.

The identification of alternatives should be in line with the Integrated Environmental Assessment Guideline Series 11, published by the DEA in 2004. Should the alternatives include different locations and lay-outs, the co-ordinates of the different alternatives must be provided. The co-ordinates should be in degrees, minutes and seconds. The projection that must be used in all cases is the WGS84 spheroid in a national or local projection.

a) Site alternatives

Alternative 1 (preferred alternative)		
Description	Lat (DDMMSS)	Long (DDMMSS)
The proposed site is located on 5.14 ha of agricultural land classified as Critical Biodiversity Areas 1 (CBA 1). The land has been completely transformed by the cultivation of crops. The R529 between Welbeloond and Nkambako runs within 3 km from the site with a farm road providing direct access to the site. A borehole is located within 200 m of the site. Solar panels will be placed on the roof of the houses to provide electricity. The slope on the site is 1:46 meaning that the site is flat	23°47'17.56"S	30°24'0.59"E
Alternative 2		
Description	Lat (DDMMSS)	Long (DDMMSS)

Alternative 3		
Description	Lat (DDMMSS)	Long (DDMMSS)

In the case of linear activities:

Alternative:	Latitude (S):	Longitude (E):
Alternative S1 (preferred)		
• Starting point of the activity		
• Middle/Additional point of the activity		
• End point of the activity		
Alternative S2 (if any)		
• Starting point of the activity		
• Middle/Additional point of the activity		
• End point of the activity		
Alternative S3 (if any)		
• Starting point of the activity		
• Middle/Additional point of the activity		
• End point of the activity		

For route alternatives that are longer than 500 m, please provide an addendum with co-ordinates taken every 250 meters along the route for each alternative alignment.

In the case of an area being under application, please provide the co-ordinates of the corners of the site as indicated on the lay-out map provided in Appendix A of this form.

b) Lay-out alternatives

<table>
<tr><th colspan="3">Alternative 1 (preferred alternative)</th></tr>
<tr><td>Description</td><td>Lat (DDMMSS)</td><td>Long (DDMMSS)</td></tr>
<tr><td>Eight environmentally controlled poultry houses (approximately 150 m x 15 m) will be constructed with a capacity for 50 000 birds per house. A water tank and a silo for food will be constructed next to each house with underground pipelines connecting the water tanks with the existing boreholes. A 2.4m electric fence with an entry gate (with biosecurity control measures) will be constructed around the site. A biosecurity house will be erected containing an office as well as a bathroom and showers. Electricity lines will be connected to the water tanks and all the houses.</td><td>23°47'17.56"S</td><td>30°24'0.59"E</td></tr>
<tr><th colspan="3">Alternative 2</th></tr>
<tr><td>Description</td><td>Lat (DDMMSS)</td><td>Long (DDMMSS)</td></tr>
<tr><td>The site lay-out will be exactly as for A1, but the chicken houses will be open and not environmentally controlled. The differences between closed houses (A1) and open houses (A2) are as follows:
<table>
<tr><td></td><td>A1 – Environmentally controlled</td><td>A2 – Open</td></tr>
<tr><td>Isolation value (R)</td><td>12</td><td>1.5</td></tr>
</table>
</td><td>23°47'17.56"S</td><td>30°24'0.59"E</td></tr>
</table>

Heat capacity	1 100kW	1 500kW		
Chickens/m^2	14	13		
Energy saving	20%	0%		
Alternative 3				
Description			Lat (DDMMSS)	Long (DDMMSS)

c) Technology alternatives

Alternative 1 (preferred alternative)
Alternative 2
Alternative 3

d) other alternatives (e.g. scheduling, demand, input, scale and design alternatives)

Alternative 1 (preferred alternative)		
Alternative 2		
Alternative 3		

e) No-go alternative

.

Paragraphs 3 – 13 below should be completed for each alternative.

3. PHYSICAL SIZE OF THE ACTIVITY

a) Indicate the physical size of the preferred activity/technology as well as alternative activities/technologies (footprints):

Alternative:	**Size of the activity:**
Alternative A1[1] (preferred activity alternative)	51 405.64 m^2
Alternative A2 (if any)	m^2
Alternative A3 (if any)	m^2

or, for linear activities:

Alternative:	**Length of the activity:**
Alternative A1 (preferred activity alternative)	m

[1] "Alternative A.." refer to activity, process, technology or other alternatives.

Alternative A2 (if any)	m
Alternative A3 (if any)	m

b) Indicate the size of the alternative sites or servitudes (within which the above footprints will occur):

Alternative:	**Size of the site/servitude:**
Alternative A1 (preferred activity alternative)	51 405.64 m^2
Alternative A2 (if any)	m^2
Alternative A3 (if any)	m^2

4. SITE ACCESS

Does ready access to the site exist?	YES √	NO
If NO, what is the distance over which a new access road will be built		m

Describe the type of access road planned:

The road leading to Nkambako runs within 3 km of the site, with a farm road providing access to the site.

Include the position of the access road on the site plan and required map, as well as an indication of the road in relation to the site.

5. LOCALITY MAP

An A3 locality map must be attached to the back of this document, as Appendix A. The scale of the locality map must be relevant to the size of the development (at least 1:50 000. For linear activities of more than 25 kilometres, a smaller scale e.g. 1:250 000 can be used. The scale must be indicated on the map.). The map must indicate the following:

- an accurate indication of the project site position as well as the positions of the alternative sites, if any;
- indication of all the alternatives identified;
- closest town (s;)
- road access from all major roads in the area;
- road names or numbers of all major roads as well as the roads that provide access to the site(s);
- all roads within a 1km radius of the site or alternative sites; and
- a north arrow;
- a legend; and
- locality GPS co-ordinates (Indicate the position of the activity using the latitude and longitude of the centre point of the site for each alternative site. The co-ordinates should be in degrees and decimal minutes. The minutes should have at least three decimals to ensure adequate accuracy. The projection that must be used in all cases is the WGS84 spheroid in a national or local projection.

6. LAYOUT/ROUTE PLAN

A detailed site or route plan(s) must be prepared for each alternative site or alternative activity. It must be attached as Appendix A to this document.

The site or route plans must indicate the following:

- the property boundaries and numbers of all the properties within 50 metres of the site;
- the current land use as well as the land use zoning of the site;
- the current land use as well as the land use zoning each of the properties adjoining the site or sites;
- the exact position of each listed activity applied for (including alternatives);
- servitude(s) indicating the purpose of the servitude;
- a legend; and
- a north arrow.

7. SENSITIVITY MAP

The layout/route plan as indicated above must be overlain with a sensitivity map that indicates all the sensitive areas associated with the site, including, but not limited to:

- watercourses;
- the 1:100-year flood line (where available or where it is required by DWS);
- ridges;
- cultural and historical features;
- areas with indigenous vegetation (even if it is degraded or infested with alien species); and
- critical biodiversity areas.

The sensitivity map must also cover areas within 100m of the site and must be attached in Appendix A.

8. SITE PHOTOGRAPHS

Colour photographs from the centre of the site must be taken in at least the eight major compass directions with a description of each photograph. Photographs must be attached under Appendix B to this report**.** It must be supplemented with additional photographs of relevant features on the site, if applicable.

9. FACILITY ILLUSTRATION

A detailed illustration of the activity must be provided at a scale of at least 1:200 as Appendix C for activities that include structures. The illustrations must be to scale and must represent a realistic image of the planned activity. The illustration must give a representative view of the activity.

10. ACTIVITY MOTIVATION

Motivate and explain the need and desirability of the activity (including demand for the activity):

1. Is the activity permitted in terms of the property's existing land use rights?	YES √	NO	Please explain
The property is in an agricultural area. The broiler facility's development will not interfere with neighbouring agricultural activities, particularly since it consists of crops and livestock farming.			
2. Will the activity be in line with the following?			
(a) Provincial Spatial Development Framework (PSDF)	YES √	NO	Please explain
Alignment with Limpopo Spatial Development Framework (LSDF) Objectives: **Agricultural Optimisation:** The LSDF emphasises the need to "optimize the utilisation of agricultural potential of Limpopo Province to provide sustainable livelihoods". Developing a large-scale broiler facility directly contributes to this goal by intensifying poultry production, thereby boosting the agricultural output of the province. **Agro-Processing Integration:** The framework advocates for the integration of agriculture with agro-processing activities. The establishment of a broiler facility can lead to the development of associated processing infrastructure, such as abattoirs and packaging plants, adding value to primary products and fostering economic growth within the province. **Economic Diversification and Job Creation**: By expanding the poultry industry, the province can diversify its agricultural base, reducing reliance on traditional farming activities. This diversification is crucial for economic resilience and is likely to create employment opportunities in both the farming and processing sectors, addressing unemployment challenges in rural areas. **Current Provincial Poultry Industry Context:** Despite its agricultural potential, Limpopo currently contributes approximately 3% to South Africa's overall broiler production. This underrepresentation indicates significant room for growth. **Strategic Benefits of the Broiler Facility:** **Supply Chain Enhancement:** A facility of this scale can stimulate the local supply chain, benefiting feed producers, equipment suppliers, and logistics providers, thereby strengthening the overall agricultural value chain in Limpopo. **Food Security Improvement:** Increasing local broiler production enhances food security within the province, ensuring a stable supply of poultry products to meet the dietary needs of the population. **Market Competitiveness:** Scaling up production can improve the competitiveness of Limpopo's poultry products in both national and potential export markets, contributing to the province's economic growth			
(b) Urban edge / Edge of Built environment for the area	YES	NO	Please explain
The development will not compromise the urban edge of the edge of built environment.			

(c) Integrated Development Plan (IDP) and Spatial Development Framework (SDF) of the Local Municipality (e.g. would the approval of this application compromise the integrity of the existing approved and credible municipal IDP and SDF?).	YES √	NO	Please explain
The Integrated Development Plan (IDP) outlines the development priorities of the municipality over a five-year cycle, with a focus on service delivery, economic development, and sustainable resource use. Key considerations include: **Economic Growth and Job Creation:** The proposed facility will create direct and indirect jobs, including at least 40 temporary employment opportunities during the development and construction phase. At least 20 people will be permanently employed during the operational phase of the activity. It will also support local feed suppliers and contribute to local food production and trade. **Infrastructure Development:** The proposed broiler facility has adequate access to water, electricity, and roads suitable for transportation without imposing excessive strain on local resources or infrastructure. **Sustainability and Environmental Management:** The proposed facility will implement effective waste management practices, pollution control measures, and ensure that the environmental footprint is mitigated to meet provincial sustainability goals.			
(d) Approved Structure Plan of the Municipality	YES √	NO	Please explain
The property is in an agricultural area.			
(e) An Environmental Management Framework (EMF) adopted by the Department (e.g. Would the approval of this application compromise the integrity of the existing environmental management priorities for the area and if so, can it be justified in terms of sustainability considerations?)	YES √	NO	Please explain
Areas classified as degraded in the EMF are typically those where ecosystems have been altered, often due to overgrazing, deforestation, agriculture, mining, or other activities. While these areas might not hold the same ecological value as pristine habitats, they still play a role in biodiversity conservation and ecosystem services. In degraded areas, sustainable land use is critical to prevent further environmental harm. The facility will adopt practices to align with the EMF's sustainability principles, including: **Soil Conservation:** Preventing further soil degradation through proper waste management and avoiding over-compaction by heavy vehicles. **Water Management:** Ensuring water usage does not exacerbate local water scarcity and implementing measures to prevent contamination of nearby water sources. **Integrated Waste Management:** Proper handling of poultry waste (e.g., manure and litter) to prevent pollution.			
(f) Any other Plans (e.g. Guide Plan)	YES	NO √	Please explain

3. Is the land use (associated with the activity being applied for) considered within the timeframe intended by the existing approved SDF agreed to by the relevant environmental authority (i.e. is the proposed development in line with the projects and programmes identified as priorities within the credible IDP)?	YES √	NO	Please explain
Establishing a broiler facility for 400,000 broilers within the Greater Tzaneen Local Municipality (GTM) aligns with several priority projects and programmes identified in the municipality's Integrated Development Plan (IDP) for the 2023/2024 financial year. **Economic Development and Job Creation:** *Agricultural Sector Focus*: The IDP emphasises the importance of agriculture as a key economic driver in the region. Developing a large-scale broiler facility contributes to the expansion of the agricultural sector, fostering economic growth and diversification. *Employment Opportunities:* The facility will create 20 permanent and 40 temporary jobs, both directly within the poultry farming operations and indirectly through related industries such as feed production, transportation, and retail. This aligns with the IDP's objective to reduce unemployment and improve livelihoods. **Enhancing Local Production:** The IDP identifies the need for value addition to primary agricultural products. A broiler facility supports this by potentially integrating processing activities, such as slaughtering and packaging, within the municipality. *Supply Chain Development:* By establishing local processing capabilities, the facility can shorten supply chains, reduce costs, and increase the competitiveness of local poultry products. Infrastructure Development: **Rural Infrastructure Improvement:** The IDP outlines plans to enhance infrastructure in rural areas to support economic activities. The development of a broiler facility may necessitate improvements in roads, electricity, and water supply, which can benefit surrounding communities. *Public-Private Partnerships:* Collaborative efforts between the municipality and private investors in developing the facility can accelerate infrastructure projects, aligning with the IDP's strategy to leverage such partnerships for development. **Environmental Sustainability:** The IDP emphasises sustainable development practices. It is essential that the broiler facility incorporates environmentally friendly operations, including waste management systems and measures to mitigate potential pollution. *Community Engagement:* Engaging local communities in the planning and development process ensures that the project addresses local needs and gains community support, which is a cornerstone of the IDP's participatory approach.			
4. Does the community/area need the activity and the associated land use concerned (is it a societal priority)? (This refers to the strategic as well as local level (e.g. development is a national priority, but within a specific local context it could be inappropriate.)	YES √	NO	Please explain
The proposed broiler facility can benefit the community both on a local level and a strategic level by addressing key economic, social, and environmental challenges while promoting long-term growth. Here's how the development will create positive impacts on both levels: **Local Level Benefits** **1. Job Creation and Economic Upliftment** Direct Employment: At least 40 temporary employment opportunities during the development and			

construction phase. At least 20 people will be permanently employed during the operational phase of the activity.

Skills Development: Training and capacity-building programmes will help the local workforce gain new skills, particularly in poultry farming, biosecurity, and operational management. This will improve the employability of community members, not just at the facility but in the wider agricultural industry.

Small Business Opportunities: The broiler facility can create business opportunities for local entrepreneurs. These may include local suppliers for feed, packaging materials, transport services, and waste management. The project can be a key driver for entrepreneurship within the area.

2. Food Security and Accessibility

Increased Food Production: By supplying locally produced poultry, the facility will make fresh, affordable protein more accessible to local markets, improving food security and reducing dependence on external suppliers.

Support for Local Retailers: Local shops, markets, and cooperatives will benefit from a steady supply of poultry products. This will reduce food prices and increase product availability within the community, helping to address nutritional needs.

Strategic Level Benefits

Level Benefits

1. Economic Diversification and Regional Growth

Boosting the Agricultural Sector: The broiler facility will contribute to agricultural diversification, supporting the Limpopo's strategic goal of growing its agricultural output, improving competitiveness in national and international markets, and expanding the value chain.

Increased Regional Investment: The facility can attract further investments from the private sector, such as related industries (e.g., feed production, transport, and packaging), creating a more integrated regional economy. This could also encourage infrastructure development by the municipality or district authorities.

2. Alignment with Regional and National Development Plans

Supporting National Food Security Goals: The broiler facility contributes to national food security efforts by increasing local production capacity, reducing dependency on imports, and stabilising the poultry supply chain.

Provincial Development Priorities: The development supports Limpopo's agricultural and rural development policies, aligning with provincial spatial frameworks, which often prioritise sustainable farming practices, land rehabilitation, and rural economic development.

Job Creation and Poverty Alleviation: From a broader strategic perspective, the project aligns with the government's goal of poverty reduction through job creation, particularly in rural areas where unemployment is high.

3. Strengthening the Local and National Supply Chain

Regional Poultry Production: By increasing local production, the facility can reduce supply chain vulnerabilities caused by external factors, such as international trade disruptions or transport issues. This strengthens the resilience of the local and national poultry supply.

5. Are the necessary services with adequate capacity currently available (at the time of application), or must additional capacity be created to cater for the development? (Confirmation by the relevant Municipality in this regard must be attached to the final Basic Assessment Report as Appendix I.)	YES √	NO	Please explain
Water and electricity supply already exist at the current site.			

6. Is this development provided for in the infrastructure planning of the municipality, and if not what will the implication be on the infrastructure planning of the municipality (priority and placement of services and opportunity costs)? (Comment by the relevant Municipality in this regard must be attached to the final Basic Assessment Report as Appendix I.)	YES √	NO	Please explain
The development does not require services from the Greater Tzaneen Local Municipality. However, it will contribute to the maintenance requirements of the facility by maintaining roads and water and other infrastructure that it relies on.			
7. Is this project part of a national programme to address an issue of national concern or importance?	YES √	NO	Please explain

The proposed facility forms part of the following national programmes:

1. Food Security and Agricultural Development

National Food Security Strategy: South Africa faces challenges in ensuring national food security, particularly with issues like the rising cost of food and reliance on imports. The National Food Security Strategy (as outlined in the National Development Plan (NDP)) aims to increase domestic food production to reduce hunger and poverty. By producing affordable poultry locally, the broiler facility supports this national objective.

2. National Rural Development Strategy:

South Africa's National Rural Development Strategy focuses on promoting rural economies, creating jobs, and addressing inequalities between rural and urban areas. By establishing a broiler facility in a rural area, the project can align with these national objectives.

3. Job Creation and Poverty Alleviation

National Employment Policy: The South African government has set national goals for reducing unemployment, particularly among the youth and in rural areas. The National Employment Policy focuses on creating jobs through initiatives that promote economic growth, especially in sectors like agriculture, manufacturing, and energy.

4. Sustainable Agriculture and Environmental Management

Sustainable Development Goals (SDGs): South Africa is committed to meeting the United Nations Sustainable Development Goals (SDGs), particularly Goal 2 (Zero Hunger), Goal 8 (Decent Work and Economic Growth), and Goal 12 (Responsible Consumption and Production). The facility aligns with SDG targets by using sustainable agricultural practices and contributing to responsible food production.

5. The Agricultural Green Revolution (AGRI-5)

AGRI-5 Programme: This is part of South Africa's Agricultural Green Revolution strategy aimed at transforming the agricultural sector to boost food production, improve rural livelihoods, and create sustainable jobs. The broiler facility could fit into national initiatives to modernize agriculture, increase food output, and ensure economic sustainability for rural communities.

8. Do location factors favour this land use (associated with the activity applied for) at this place? (This relates to the contextualisation of the proposed land use on this site within its broader context.)	YES √	NO	Please explain
As broiler farming is a form of intensive agriculture, locating the facility in an agricultural zone aligns with the area's land use rights and zoning.			
9. Is the development the best practicable environmental option for this land/site?	YES √	NO	Please explain
The site has been completely transformed by cultivation of crops.			
10. Will the benefits of the proposed land use/development outweigh the negative impacts of it?	YES √	NO	Please explain
The benefits of the proposed broiler facility, including job creation, economic growth, food security, and rural development, will outweigh the potential environmental impacts if proper environmental management and sustainable practices are put in place. By addressing water use, waste management, air quality, and energy consumption through careful planning and mitigation strategies, the project will contribute positively to both local and national development goals while minimising environmental harm.			
11. Will the proposed land use/development set a precedent for similar activities in the area (local municipality)?	YES	NO √	Please explain
Several poultry operations already exist in the area.			
12. Will any person's rights be negatively affected by the proposed activity/ies?	YES	NO √	Please explain
The area is surrounded by agricultural land and far away from any residences.			
13. Will the proposed activity/ies compromise the "urban edge" as defined by the local municipality?	YES	NO √	Please explain
The proposed site is located in an agricultural area			
14. Will the proposed activity/ies contribute to any of the 17 Strategic Integrated Projects (SIPS)?	YES √	NO	Please explain
The proposed development of a broiler facility for 400,000 broilers aligns with South Africa's Strategic Integrated Project (SIP) 11, which focuses on Agri-logistics and Rural Infrastructure. This SIP aims to improve investment in agricultural and rural infrastructure to support small-scale farmers and enhance food security. By establishing a large-scale poultry production facility, the project contributes to these objectives by boosting local agricultural productivity, creating employment opportunities, and strengthening the agri-processing value chain.			

15. What will the benefits be to society in general and to the local communities?	Please explain

The proposed broiler facility will bring significant economic, social, and infrastructural benefits to local communities in Greater Tzaneen Municipality (GTM), aligning with regional development priorities.

1. Economic Benefits

Job Creation – Direct employment in poultry farming, processing, and logistics, plus indirect opportunities in transport, feed supply, and maintenance.

Support for Local Businesses – Boosts local suppliers, veterinary services, and small-scale farmers.

Increased Municipal Revenue – Generates tax income for local infrastructure and service improvements.

2. Social Benefits

Food Security & Affordability – Increases local poultry supply, making chicken more accessible and affordable.

Skills Development – Training in poultry farming and agribusiness benefits youth and emerging farmers.

Community Upliftment – Potential Community and Social Responsibility (CSR) initiatives in education, water, and sanitation improvements.

3. Infrastructure & Environmental Benefits

Upgraded Infrastructure – Possible Road, electricity, and water supply improvements for the facility and surrounding areas.

Sustainable Practices – Efficient waste management (e.g., organic fertiliser production) and potential use of renewable energy.

4. Strategic & National Benefits

Alignment with Government Priorities – Supports SIP 11 (Agri-logistics & Rural Infrastructure) and GTM's economic growth goals.

Reduced Reliance on Imports – Strengthens the local poultry industry, contributing to food security.

The facility will boost local employment, improve food security, and support economic growth in GTM, while also driving infrastructure upgrades and sustainable agricultural practices.

16. Any other need and desirability considerations related to the proposed activity?	Please explain
None	

17. How does the project fit into the National Development Plan for 2030?	Please explain
1. Food Security and Agricultural Development National Food Security Strategy: South Africa faces challenges in ensuring national food security, particularly with issues like the rising cost of food and reliance on imports. The National Food Security Strategy (as outlined in the National Development Plan (NDP)) aims to increase domestic food production to reduce hunger and poverty. By producing affordable poultry locally, the broiler facility supports this national objective. **2. National Rural Development Strategy:** South Africa's National Rural Development Strategy focuses on promoting rural economies, creating jobs, and addressing inequalities between rural and urban areas. By establishing a broiler facility in a rural area, the project can align with these national objectives. **3. Job Creation and Poverty Alleviation** National Employment Policy: The South African government has set national goals for reducing unemployment, particularly among the youth and in rural areas. The National Employment Policy focuses on creating jobs through initiatives that promote economic growth, especially in sectors like agriculture, manufacturing, and energy. **4. Sustainable Agriculture and Environmental Management** Sustainable Development Goals (SDGs): South Africa is committed to meeting the United Nations SDGs, particularly Goal 2 (Zero Hunger), Goal 8 (Decent Work and Economic Growth), and Goal 12 (Responsible Consumption and Production). The facility aligns with SDG targets by using sustainable agricultural practices and contributing to responsible food production. **5. The Agricultural Green Revolution (AGRI-5)** AGRI-5 Programme: This is part of South Africa's Agricultural Green Revolution strategy aimed at transforming the agricultural sector to boost food production, improve rural livelihoods, and create sustainable jobs. The broiler facility could fit into national initiatives to modernize agriculture, increase food output, and ensure economic sustainability for rural communities.	
18. Please describe how the general objectives of Integrated Environmental Management as set out in section 23 of NEMA have been taken into account.	
During the Basic Assessment process all positive and negative impacts were thoroughly assessed and described. Mitigation measures have been proposed where applicable and written into the EMPr for the activity. The activity will only go ahead in adherence with the EMPr.	
19. Please describe how the principles of environmental management as set out in section 2 of NEMA have been taken into account.	
The proposed development will be socially, environmentally and economically sustainable. It will ensure sustained employment and community upliftment. It will be designed to minimise the impacts on the environment by minimising waste and placing the development on a suitable site	
No-go alternative:	

1. Is the activity permitted in terms of the property's existing land use rights?	**YES** √	**NO**	**Please explain**
The property is currently zoned as agricultural			

2. Will the activity be in line with the following?			
(a) Provincial Spatial Development Framework (PSDF)	**YES** √	**NO**	**Please explain**
The site within an agricultural area.			
(b) Urban edge / Edge of Built environment for the area	**YES** √	**NO**	**Please explain**
The development will not compromise the urban edge of the edge of built environment.			
(c) Integrated Development Plan (IDP) and Spatial Development Framework (SDF) of the Local Municipality (e.g. would the approval of this application compromise the integrity of the existing approved and credible municipal IDP and SDF?).	**YES** √	**NO**	**Please explain**
Approval of this application will not compromise the integrity of the existing IDP and SDF.			
(d) Approved Structure Plan of the Municipality	**YES** √	**NO**	**Please explain**
The site is within an agricultural area.			
(e) An Environmental Management Framework (EMF) adopted by the Department (e.g. Would the approval of this application compromise the integrity of the existing environmental management priorities for the area and if so, can it be justified in terms of sustainability considerations?)	**YES**	**NO** √	**Please explain**
The site has been completely transformed by crop cultivation			
(f) Any other Plans (e.g. Guide Plan)	**YES**	**NO** √	**Please explain**
3. Is the land use (associated with the activity being applied for) considered within the timeframe intended by the existing approved SDF agreed to by the relevant environmental authority (i.e. is the proposed development in line with the projects and programmes identified as priorities within the credible IDP)?	**YES** √	**NO**	**Please explain**
No buildings will be erected.			
4. Does the community/area need the activity and the associated land use concerned (is it a societal priority)? (This refers to the strategic as well as local level (e.g. development is a national priority, but within a specific local context it could be inappropriate.)	**YES**	**NO** √	**Please explain**
The existing labour force will not have to be expanded and will not be secured.			

5. Are the necessary services with adequate capacity currently available (at the time of application), or must additional capacity be created to cater for the development? (Confirmation by the relevant Municipality in this regard must be attached to the final Basic Assessment Report as Appendix I.)	**YES** √	**NO**	**Please explain**
Water and electricity supply already exist at the current site.			
6. Is this development provided for in the infrastructure planning of the municipality, and if not what will the implication be on the infrastructure planning of the municipality (priority and placement of services and opportunity costs)? (Comment by the relevant Municipality in this regard must be attached to the final Basic Assessment Report as Appendix I.)	**YES** √	**NO**	**Please explain**
The site within an agricultural area.			
7. Is this project part of a national programme to address an issue of national concern or importance?	**YES**	**NO** √	**Please explain**
The site within an agricultural area.			
8. Do location factors favour this land use (associated with the activity applied for) at this place? (This relates to the contextualisation of the proposed land use on this site within its broader context.)	**YES** √	**NO**	**Please explain**
The site within an agricultural area.			
9. Is the development the best practicable environmental option for this land/site?	**YES**	**NO**√	**Please explain**
There is sufficient land available for the continuation of crop cultivation on the property. It is a more economically option for the landowner to develop the proposed site into a poultry operation.			
10. Will the benefits of the proposed land use/development outweigh the negative impacts of it?	**YES**	**NO** √	**Please explain**
11. Will the proposed land use/development set a precedent for similar activities in the area (local municipality)?	**YES**	**NO** √	**Please explain**
12. Will any person's rights be negatively affected by the proposed activity/ies?	**YES**	**NO** √	**Please explain**
13. Will the proposed activity/ies compromise the "urban edge" as defined by the local municipality?	**YES**	**NO** √	**Please explain**
14. Will the proposed activity/ies contribute to any of the 17 Strategic Integrated Projects (SIPS)?	**YES**	**NO** √	**Please explain**

15. What will the benefits be to society in general and to the local communities?	**Please explain**
The existing labour force will not have to be expanded and it will not be secured.	
16. Any other need and desirability considerations related to the proposed activity?	**Please explain**
None	
17. **How does the project fit into the National Development Plan for 2030**?	**Please explain**
None	
18. Please describe how the general objectives of Integrated Environmental Management as set out in section 23 of NEMA have been taken into account.	
None	
19. Please describe how the principles of environmental management as set out in section 2 of NEMA have been taken into account.	
None	

9(a) Socio-economic value of the activity

What is the expected capital value of the activity on completion?	R54 000 000	
What is the expected yearly income that will be generated by or as a result of the activity?	R10 000 000	
Will the activity contribute to service infrastructure?	YES √	NO
Is the activity a public amenity?	YES	NO √
How many new employment opportunities will be created in the development phase of the activity?	40	
What is the expected value of the employment opportunities during the development phase?	R1 400 000	
What percentage of this will accrue to previously disadvantaged individuals?	90%	
How many permanent new employment opportunities will be created during the operational phase of the activity?	20	
What is the expected current value of the employment opportunities during the first 10 years?	R5 600 000	
What percentage of this will accrue to previously disadvantaged individuals?	90%	

9(b) Need and desirability of the activity

Motivate and explain the need and desirability of the activity (including demand for the activity):

NEED:			
i.	Was the relevant municipality involved in the application?	YES √	NO
ii.	Does the proposed land use fall within the municipal Integrated Development Plan?	YES √	NO

iii.	If the answer to questions 1 and / or 2 was NO, please provide further motivation / explanation:

DESIRABILITY:			
i.	Does the proposed land use / development fit the surrounding area?	YES √	NO
ii.	Does the proposed land use / development conform to the relevant structure plans, Spatial development Framework, Land Use Management Scheme, and planning visions for the area?	YES √	NO
iii.	Will the benefits of the proposed land use / development outweigh the negative impacts of it?	YES √	NO
iv.	If the answer to any of the questions 1-3 was NO, please provide further motivation / explanation:		
v.	Will the proposed land use / development impact on the sense of place?	YES	NO √
vi.	Will the proposed land use / development set a precedent?	YES	NO √
vii.	Will any person's rights be affected by the proposed land use / development?	YES	NO √
viii.	Will the proposed land use / development compromise the "urban edge"?	YES	NO √
ix.	If the answer to any of the question 5-8 was YES, please provide further motivation / explanation.		

BENEFITS:			
i.	Will the land use / development have any benefits for society in general?	YES √	NO
ii.	Explain:		
	The proposed broiler facility will positively impact society beyond the local community by contributing to economic growth, food security, job creation, and sustainable agricultural development. The facility will strengthen South Africa's poultry industry, enhance food security, create jobs, and support rural development, benefiting both local and national economies.		
iii.	Will the land use / development have any benefits for the local communities where it will be located?	YES √	NO
iv.	Explain:		
	The proposed broiler facility (400,000 broilers) in Greater Tzaneen Municipality (GTM) will bring significant economic, social, and infrastructural benefits to local communities. It will create direct and indirect employment opportunities in poultry farming, processing, logistics, and related services, while		

	also offering skills development and training for local workers and emerging farmers. The project will boost the local economy by supporting businesses involved in feed supply, veterinary services, and transport, while also strengthening the agricultural sector and improving market access for small-scale farmers. Additionally, the facility will enhance food security by increasing local poultry production, stabilising prices, and supporting community feeding programmes. Potential infrastructure improvements, such as better roads, water supply, and electricity, could benefit both the facility and surrounding communities. In the long term, the project will contribute to rural development by attracting further investment in agri-processing and creating a more resilient local economy. Overall, the development aligns with GTM's economic growth objectives and will have a positive and lasting impact on the community.

11. APPLICABLE LEGISLATION, POLICIES AND/OR GUIDELINES

List all legislation, policies and/or guidelines of any sphere of government that are applicable to the application as contemplated in the EIA regulations, if applicable:

Title of legislation, policy or guideline	Applicability to the project	Administering authority	Date
National Environmental Management Act, Act No. 107 of 1998.		Limpopo Department of Economic Development, Environment and Tourism	1998
Listing 1 of regulation 327 promulgated under Chapter 5 of the National Environmental Management Act (NEMA, Act 107 of 1998) in Government Gazette 38282. Listed activities: 5 (ii) & (iv), 28 (ii)	Komaros is proposing the construction of 8 environmentally controlled poultry houses on the Portion 23 of the farm La Gratitude 513 LT situated in the Mopani District Municipality within Greater Tzaneen Local Municipality. The houses will be 150 m x 15 m each with the capacity for 50 000 chickens per house (400 000 in total).		1998
National Water Act, Act No. 36 of 1998.	A copy of the BAR will be sent to the Department of Water and Sanitation for comment	Department of Water Affairs	1998
Conservation of Agricultural Resources Act, Act No. 43 of	A copy of the BAR will be sent to the Department of	Department of	1983

1983	Agriculture and Rural Development	Agriculture and Rural Development	
Heritage Act, Act No 25 of 1999.	The site will be investigated to see if any action is necessary in terms of the Heritage Act.	South African Heritage Resources Act	1999
National Environmental Management: Waste Act, Act No. 59 of 2008 Listed Activities Reg. 921 published on 29 November 2013 in GN 37083	Activity does not trigger a Listed Activity	Limpopo Department of Economic Development, Environment and Tourism	2008 2013
Occupational Health and Safety Act, Act 85 of 1993 Noise regulation, 2003 Environmental regulations for workplaces, 1987 Facility regulations,1990 General Health and Safety Regulations, 1986 Electrical Installation Regulations, 2009. Electrical Machinery Regulations, 1988. Construction Regulations, 2014	The regulations were taken into account during the design of the activity and process in order to adhere to the Act.		1993 2003 1987 1990 1986 2009 1988 2014

12. WASTE, EFFLUENT, EMISSION AND NOISE MANAGEMENT

a) Solid waste management

Will the activity produce solid construction waste during the construction/initiation phase?	YES √	NO
If YES, what estimated quantity will be produced per month?	47.5 - 107 m³	

How will the construction solid waste be disposed of (describe)?

Construction Waste Disposal Summary

1. **Concrete & Masonry (9 - 18 m³)** – Reuse for road base, recycle into aggregate, landfill as last resort.
2. **Steel Waste (1.5 - 3 m³)** – Sell to scrap metal collectors or recycle.
3. **Insulation & Cladding (22 - 56 m³)** – Recycle where possible, reuse offcuts, landfill if non-recyclable.
4. **General Construction Debris (15 - 30 m³)** – Recycle wood and plastics, donate usable materials, landfill as last option.

Best Practice: Segregate waste on-site, partner with recyclers, and comply with regulations to minimise landfill use.

Where will the construction solid waste be disposed of (describe)?

All construction waste is removed by Preemag Industries. See agreement attached in Appendix J5.

Will the activity produce solid waste during its operational phase?	YES √	NO
If YES, what estimated quantity will be produced per month?	430 - 708 m^3	

How will the solid waste be disposed of (describe)?

Operational phase solid waste will be will be taken to Tzaneen Municipal Landfill on a weekly basis. Waste considered unsuitable for municipal waste disposal sites will be disposed of at a suitably licensed hazardous waste disposal facility (e.g. WasteTech).

If the solid waste will be disposed of into a municipal waste stream, indicate which registered landfill site will be used.

Any general waste such as litter generated by staff will be will be taken to Tzaneen Municipal Landfill on a weekly basis.

Where will the solid waste be disposed of if it does not feed into a municipal waste stream (describe)?

Manure Removal

Approximately 240 tons of poultry manure will be produced monthly. After completion of each 32-day cycle manure is removed and used on the agricultural fields on the farm.

- Number of houses = 8
- Birds per house = 50 000
- Total birds = 50 000 × 8 = 400 000
- Manure production per bird = 0.02 kg/day (broilers)
- Total daily manure production: 400 000 × 0.02 = 8 000 kg/day = 8 tons

Monthly manure production: 8 × 30 = 240 tons/month

The poultry facility will produce approximately 240 tons of manure per month assuming 0.02 kg of manure per bird per day.
Manure and litter are removed at the end of each cycle by Preemag Industries to be used as fertilizer. See agreement attached in Appendix J5.

Disposal of Mortalities

Approximately 12 000 dead chickens will be produced monthly, an average of ± 3% mortality rate from a well-managed farm with optimal biosecurity, nutrition, and ventilation. The mortalities are removed on a daily basis and collected by a Bushvalley Chickens to be processed in their rendering plant.

If the solid waste (construction or operational phases) will not be disposed of in a registered landfill site or be taken up in a municipal waste stream, then the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.

Can any part of the solid waste be classified as hazardous in terms of the NEM:WA?	YES	NO √

If YES, inform the competent authority and request a change to an application for scoping and EIA. An application for a waste permit in terms of the NEM:WA must also be submitted with this application.

Is the activity that is being applied for a solid waste handling or treatment facility?	YES	NO √

If YES, then the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA. An application for a waste permit in terms of the NEM:WA must also be submitted with this application.

No-go alternative:

Will the activity produce solid construction waste during the construction/initiation phase?	YES	NO √
If YES, what estimated quantity will be produced per month?		0 m^3

How will the construction solid waste be disposed of (describe)?

No solid waste will be produced.

Where will the construction solid waste be disposed of (describe)?

No solid waste will be produced.

Will the activity produce solid waste during its operational phase?	YES	NO √
If YES, what estimated quantity will be produced per month?	0m^3	

How will the solid waste be disposed of (describe)?

No solid waste will be produced.

If the solid waste will be disposed of into a municipal waste stream, indicate which registered landfill site will be used.

No solid waste will be produced.

Where will the solid waste be disposed of if it does not feed into a municipal waste stream (describe)?

No solid waste will be produced.

If the solid waste (construction or operational phases) will not be disposed of in a registered landfill site or be taken up in a municipal waste stream, then the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.

Can any part of the solid waste be classified as hazardous in terms of the NEM:WA?	YES	NO √

If YES, inform the competent authority and request a change to an application for scoping and EIA. An application for a waste permit in terms of the NEM:WA must also be submitted with this application.

b) **Liquid effluent**

Will the activity produce effluent, other than normal sewage, that will be disposed of in a municipal sewage system?	YES	NO √
If YES, what estimated quantity will be produced per month?		m^3

Will the activity produce any effluent that will be treated and/or disposed of on site?	YES	NO √

If YES, the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.

Will the activity produce effluent that will be treated and/or disposed of at another facility?	YES	NO √

If YES, provide the particulars of the facility:

Facility name:			
Contact person:			
Postal address:			
Postal code:			
Telephone:		**Cell:**	
E-mail:		**Fax:**	

Describe the measures that will be taken to ensure the optimal reuse or recycling of waste water, if any:

Mortalities are removed from the houses daily and manure after the completion of each cycle (28 - 35 day). After the completion of each cycle all surfaces are sprayed with foam-based detergent that is left to evaporate. Upon completion of this process, the floors of the houses are washed with water only using a high-pressure nozzle. Wash water is clean, as the houses are sanitized before washing. The houses are then left for 14 days before a new cycle resumes.

No-go alternative:

Will the activity produce effluent, other than normal sewage, that will be disposed of in a municipal sewage system?	YES	NO √
If YES, what estimated quantity will be produced per month?		m^3
Will the activity produce any effluent that will be treated and/or disposed of on site?	YES	NO √

If YES, the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.

Will the activity produce effluent that will be treated and/or disposed of at another facility?	YES	NO √

If YES, provide the particulars of the facility:

Facility name:	N/A		
Contact person:	N/A		
Postal address:	N/A		
Postal code:	N/A		
Telephone:	N/A	**Cell:**	N/A
E-mail:	N/A	**Fax:**	N/A

Describe the measures that will be taken to ensure the optimal reuse or recycling of waste water, if any:

c) Emissions into the atmosphere

Will the activity release emissions into the atmosphere other that exhaust emissions and dust associated with construction phase activities?	YES	NO √
If YES, is it controlled by any legislation of any sphere of government?	YES	NO √

If YES, the applicant must consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.
If NO, describe the emissions in terms of type and concentration:

Since the houses will be closed and environmentally controlled, the amounts of dust, ammonia and odours released into the atmosphere will be minimal.

No-go alternative

Will the activity release emissions into the atmosphere other that exhaust emissions and dust associated with construction phase activities?	YES	NO √
If YES, is it controlled by any legislation of any sphere of government?	YES	NO √

If YES, the applicant must consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.
If NO, describe the emissions in terms of type and concentration:

None

d) Waste permit

Will any aspect of the activity produce waste that will require a waste permit in terms of the NEM:WA?	YES	NO √

If YES, please submit evidence that an application for a waste permit has been submitted to the competent authority

No-go alternative:

Will any aspect of the activity produce waste that will require a waste permit in terms of the NEM:WA?	YES	NO √

If YES, please submit evidence that an application for a waste permit has been submitted to the competent authority

e) Generation of noise

Will the activity generate noise?	YES √	NO
If YES, is it controlled by any legislation of any sphere of government?	YES	NO

Describe the noise in terms of type and level:

Low levels of noise will be generated by the poultry present at the site and the operation of fans for temperature control.

No-go alternative:

Will the activity generate noise?	YES	NO √
If YES, is it controlled by any legislation of any sphere of government?	YES	NO √

Describe the noise in terms of type and level:

Low levels of noise will be produces during cultivation and harvesting of crops.

13. WATER USE

Please indicate the source(s) of water that will be used for the activity by ticking the appropriate box(es):

Municipal	Water board	Groundwater √	River, stream, dam or lake	Other	The activity will not use water

If water is to be extracted from groundwater, river, stream, dam, lake or any other natural feature, please indicate the volume that will be extracted per month:	5 613.36 m^3	
Does the activity require a water use authorisation (general authorisation or water use license) from the Department of Water Affairs?	YES	NO √

If YES, please provide proof that the application has been submitted to the Department of Water Affairs.

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No-go alternative

Please indicate the source(s) of water that will be used for the activity by ticking the appropriate box(es):

Municipal	Water board	Groundwater	River, stream, dam or lake	Other	The activity will not use water √

If water is to be extracted from groundwater, river, stream, dam, lake or any other natural feature, please indicate the volume that will be extracted per month:	0 litres	
Does the activity require a water use authorisation (general authorisation or water use license) from the Department of Water Affairs?	YES	NO √

If YES, please provide proof that the application has been submitted to the Department of Water Affairs.

14. ENERGY EFFICIENCY

Describe the design measures, if any, which have been taken to ensure that the activity is energy efficient:

Energy efficient light bulbs will be used throughout. Load reduction motors will be installed. All machinery will be fitted with soft starters. Ventilation and heating are controlled digitally to prevent overheat or overcooling and reduce energy expenditure.

Describe how alternative energy sources have been taken into account or been built into the design of the activity, if any:

Solar panels will be installed as an energy source

No-go alternative

Describe the design measures, if any, which have been taken to ensure that the activity is energy efficient:

None

Describe how alternative energy sources have been taken into account or been built into the design of the activity, if any:

None

SECTION B: SITE/AREA/PROPERTY DESCRIPTION

Important notes:

1. For linear activities (pipelines, etc) as well as activities that cover very large sites, it may be necessary to complete this section for each part of the site that has a significantly different environment. In such cases please complete copies of Section B and indicate the area, which is covered by each copy No. on the Site Plan.

Section B Copy No. (e.g. A): [ ]

2. Paragraphs 1 - 6 below must be completed for each alternative.

3. Has a specialist been consulted to assist with the completion of this section? YES | NO √

If YES, please complete the form entitled "Details of specialist and declaration of interest" for each specialist thus appointed and attach it in Appendix I. All specialist reports must be contained in Appendix D.

Property description/physical address:

Province	Limpopo
District Municipality	Mopani District Municipality
Local Municipality	Greater Tzaneen Local Municipality
Ward Number(s)	23
Farm name and number	La Gratitude 513 LT
Portion number	Portion 23
SG Code	T0LT00000000051300023

Where a large number of properties are involved (e.g. linear activities), please attach a full list to this application including the same information as indicated above.

Current land-use zoning as per local municipality IDP/records:

Agricultural

In instances where there is more than one current land-use zoning, please attach a list of current land use zonings that also indicate which portions each use pertains to, to this application.

Is a change of land-use or a consent use application required? YES | NO √

1. GRADIENT OF THE SITE

Indicate the general gradient of the site.

Alternative S1:

Flat √ (1:46)	1:50 – 1:20	1:20 – 1:15	1:15 – 1:10	1:10 – 1:7,5	1:7,5 – 1:5	Steeper than 1:5

Alternative S2 (if any):

Flat	1:50 – 1:20	1:20 – 1:15	1:15 – 1:10	1:10 – 1:7,5	1:7,5 – 1:5	Steeper than 1:5

Alternative S3 (if any):

Flat	1:50 – 1:20	1:20 – 1:15	1:15 – 1:10	1:10 – 1:7,5	1:7,5 – 1:5	Steeper than 1:5

2. LOCATION IN LANDSCAPE

Alternative S1:

Indicate the landform(s) that best describes the site:

2.1 Ridgeline		2.4 Closed valley		2.7 Undulating plain / low hills	
2.2 Plateau	√	2.5 Open valley		2.8 Dune	
2.3 Side slope of hill/mountain		2.6 Plain		2.9 Seafront	
2.10 At sea					

3. GROUNDWATER, SOIL AND GEOLOGICAL STABILITY OF THE SITE

Alternative S1:

Is the site(s) located on any of the following?

	Alternative S1:		**Alternative S2 (if any):**		**Alternative S3 (if any):**	
Shallow water table (less than 1.5m deep)	YES	NO √	YES	NO	YES	NO
Dolomite, sinkhole or doline areas	YES	NO √	YES	NO	YES	NO
Seasonally wet soils (often close to water bodies)	YES	NO √	YES	NO	YES	NO
Unstable rocky slopes or steep slopes with loose soil	YES	NO √	YES	NO	YES	NO
Dispersive soils (soils that dissolve in water)	YES	NO√	YES	NO	YES	NO
Soils with high clay content (clay fraction more than 40%)	YES	NO √	YES	NO	YES	NO
Any other unstable soil or geological feature	YES	NO √	YES	NO	YES	NO
An area sensitive to erosion	YES	NO√	YES	NO	YES	NO

If you are unsure about any of the above or if you are concerned that any of the above aspects may be an issue of concern in the application, an appropriate specialist should be appointed to assist in the

completion of this section. Information in respect of the above will often be available as part of the project information or at the planning sections of local authorities. Where it exists, the 1:50 000 scale Regional Geotechnical Maps prepared by the Council for Geo Science may also be consulted.

4. GROUNDCOVER

Alternative S1:

Indicate the types of groundcover present on the site. The location of all identified rare or endangered species or other elements should be accurately indicated on the site plan(s).

Natural veld - good condition[E]	Natural veld with scattered aliens[E]	Natural veld with heavy alien infestation[E]	Veld dominated by alien species[E]	Gardens
Sport field	Cultivated land √	Paved surface	Building or other structure	Bare soil

If any of the boxes marked with an "[E] "is ticked, please consult an appropriate specialist to assist in the completion of this section if the environmental assessment practitioner doesn't have the necessary expertise.

5. LAND USE CHARACTER OF SURROUNDING AREA

Alternative S1:

Indicate land uses and/or prominent features that currently occur within a 500m radius of the site and give description of how this influences the application or may be impacted upon by the application:

5.1 Natural area	√	5.22 School	
5.2 Low density residential		5.23 Tertiary education facility	
5.3 Medium density residential		5.24 Church	
5.4 High density residential		5.25 Old age home	
5.5 Medium industrial [AN]		5.26 Museum	
5.6 Office/consulting room		5.27 Historical building	
5.7 Military or police base/station/compound		5.28 Protected Area	
5.8 Spoil heap or slimes dam [A]		5.29 Sewage treatment plant [A]	
5.9 Light industrial		5.30 Train station or shunting yard [N]	
5.10 Heavy industrial [AN]		5.31 Railway line [N]	
5.11 Power station		5.32 Major road (4 lanes or more)	
5.12 Sport facilities		5.33 Airport [N]	
5.13 Golf course		5.34 Harbour	
5.14 Polo fields		5.35 Quarry, sand or borrow pit	
5.15 Filling station [H]		5.36 Hospital/medical centre	
5.16 Landfill or waste treatment site		5.37 River, stream or wetland	√
5.17 Plantation		5.38 Nature conservation area	
5.18 Agriculture	√	5.39 Mountain, koppie or ridge	
5.19 Archaeological site		5.40 Graveyard	

5.20 Quarry, sand or borrow pit		5.41 River, stream or wetland	
5.21 Dam or Reservoir		5.42 Other land uses (describe)	

If any of the boxes marked with an "N "are ticked, how will this impact / be impacted upon by the proposed activity? Specify and explain:

If any of the boxes marked with an "An" are ticked, how will this impact / be impacted upon by the proposed activity? Specify and explain:

If any of the boxes marked with an "H" are ticked, how will this impact / be impacted upon by the proposed activity? Specify and explain:

6. CULTURAL/HISTORICAL FEATURES

Alternative S1:

Are there any signs of culturally or historically significant elements, as defined in section 2 of the National Heritage Resources Act, 1999, (Act No. 25 of 1999), including Archaeological or paleontological sites, on or close (within 20m) to the site? If YES, explain:	YES	NO √
	Uncertain	

If uncertain, conduct a specialist investigation by a recognised specialist in the field (archaeology or palaeontology) to establish whether there is such a feature(s) present on or close to the site. Briefly explain the findings of the specialist:

Will any building or structure older than 60 years be affected in any way?	YES	NO √
Is it necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999)?	YES	NO √

If YES, please provide proof that this permit application has been submitted to SAHRA or the relevant provincial authority.

SECTION C: PUBLIC PARTICIPATION

1. ADVERTISEMENT AND NOTICE

Publication name	Letaba Herald	
Date published	25 October 2024	
Site notice position	**Latitude**	**Longitude**
	23°47'18.59"	30°24'00.62"
Date placed	25 October 2024	

Include proof of the placement of the relevant advertisements and notices in Appendix E1.

2. DETERMINATION OF APPROPRIATE MEASURES

Provide details of the measures taken to include all potential I&APs as required by Regulation 41(2)(e) and 41(6) of GN 326

Key stakeholders (other than organs of state) identified in terms of Regulation 41(2)(b) of GN 326

Title, Name and Surname	Affiliation/ key stakeholder status	Contact details (tel number or e-mail address)
Woodlands Chickens Mickey Beech	Neighbour	mickey@wlchickens.co.za
Dirk De Nysschen	Neighbour	deny@mweb.co.za
Ockert De Nysschen	Neighbour	admin@plaasdeny.co.za

Include proof that the key stakeholder received written notification of the proposed activities as Appendix E2. This proof may include any of the following:

- e-mail delivery reports;
- registered mail receipts;
- courier waybills;
- signed acknowledgements of receipt; and/or
- or any other proof as agreed upon by the competent authority.

3. ISSUES RAISED BY INTERESTED AND AFFECTED PARTIES

Summary of main issues raised by I&APs	Summary of response from EAP
No comments have been received. A copy of the DBAR will be sent to al I&AP. All comments reived will be addressed in the FBAR	

4. COMMENTS AND RESPONSE REPORT

The practitioner must record all comments received from I&APs and respond to each comment before the Draft BAR is submitted. The comments and responses must be captured in a comments and response report as prescribed in the EIA regulations and be attached to the Final BAR as Appendix E3.

5. AUTHORITY PARTICIPATION

Authorities and organs of state identified as key stakeholders:

Authority/Organ of State	Contact person (Title, Name and Surname)	Tel No	e-mail
DWS	Mulalo Nethengwe	082 327 1874	nethengwem@dws.gov.za
Greater Tzaneen Local Municipality	Mr. Aleck Nkuna	079 494 0265	aleck.nkuna@tzaneen.gov.za mandy.arjoon@tzaneen.gov.za victorn@tzaneen.gov.za
Mopani District Municipality	Mr. Tshepo Mogano	078 455 6725	moganotj@mopani.gov.za tjmogano@gmail.com
Greater Tzaneen Ward 23	Mr. Kholofelo Ndlovu	073 445 3455	ndlovukhuzo@gmail.com

Include proof that the Authorities and Organs of State received written notification of the proposed activities as appendix E4.

In the case of renewable energy projects, Eskom and the SKA Project Office must be included in the list of Organs of State.

6. CONSULTATION WITH OTHER STAKEHOLDERS

Note that, for any activities (linear or other) where deviation from the public participation requirements may be appropriate, the person conducting the public participation process may deviate from the requirements of that sub-regulation to the extent and in the manner as may be agreed to by the competent authority.

Proof of any such agreement must be provided, where applicable. Application for any deviation from the regulations relating to the public participation process must be submitted prior to the commencement of the public participation process.

A list of registered I&APs must be included as appendix E5.

Copies of any correspondence and minutes of any meetings held must be included in Appendix E6.

SECTION D: IMPACT ASSESSMENT

The assessment of impacts must adhere to the minimum requirements in the EIA Regulations, 2014 as amended and should take applicable official guidelines into account. The issues raised by interested and affected parties should also be addressed in the assessment of impacts.

1. IMPACTS THAT MAY RESULT FROM THE PLANNING AND DESIGN, CONSTRUCTION, OPERATIONAL, DECOMMISSIONING AND CLOSURE PHASES AS WELL AS PROPOSED MITIGATION MEASURES

Provide a summary and anticipated significance of the potential direct, indirect and cumulative impacts that are likely to occur as a result of the planning and design phase, construction phase, operational phase, decommissioning and closure phase, including impacts relating to the choice of site/activity/technology alternatives as well as the mitigation measures that may eliminate or reduce the potential impacts listed. This impact assessment must be applied to all the identified alternatives to the activities identified in Section A (2) of this report. `

Activity	Impact summary	Significance	Proposed mitigation
Alternative A 1 (preferred alternative)			
	Direct impacts:		
	Positive impacts	High	The operation is anticipated to have the following significant positive impacts in the social and economic environments: Approximately 20 workers will be employed during the Operational Phase and approximately R 5 600 000.00 will be paid out to them over a period of 10 years.
	Air quality and disturbance	Low	Dust control by means of watering if necessary. Vehicles to be regularly serviced and well-tuned. Operations to be undertaken during working hours only.
	Surface and groundwater pollution	Low	Machinery must be properly maintained at all times. Servicing of machinery must take place only in specific demarcated and protected areas. Any discarded oils, grease, oil filters, rags, etc. will be removed from the site by the contractor responsible for construction.
	Sewage and domestic waste	Low	Proper ablution facilities must be provided i.e. chemical toilets at appropriate locations on site if necessary or existing facilities must be used. Workers must be made aware of the risk of soil water

Activity	Impact summary	Significance	Proposed mitigation
			contamination. Domestic waste must be disposed of in appropriate containers, and removed to the Tzaneen Landfill site as part of existing waste management system.
	Soil compaction, loss of fertility and increased erosion	Low	Appropriate measures must be taken to reduce the risk of erosion from unprotected slopes i.e. Diversion berms, ponding pools, and not exceeding angles of repose of stockpiled material. All unprotected slopes must be Rehabilitated concurrent with construction.
	Fires	Low	Cooking and heating fires permitted only in designated areas with appropriate safety measures. Adequate firefighting equipment must be available, as prescribed by the relevant safety standards and legislation.
	Disturbance of fauna	Low	Only small animals occur in this area e.g. small rodents and reptiles. The area is surrounded by similar habitat and fauna is expected to move voluntarily to surrounding areas. No fauna found on the site will be killed.
	Safety	Low	Access to the construction site to be controlled at all times.
	Aesthetics	Low	If needed, an additional line of trees will be planted to minimise visual impact.
	Indirect impacts: None		
	Cumulative impacts: None		
	Operational Phase		
	Manure	Low	Approximately 240 tons of chicken manure will be produced monthly. Chickens are kept for a 28 - 32 day cycle. Manure is collected by Preemag Industries to be used as fertilizer.
	Mortalities	Low	Approximately 12 000 dead chickens will be produced monthly. The mortalities are removed on a

Activity	Impact summary	Significance	Proposed mitigation
			daily basis and collected by a Bushvalley Chickens to be processed in a rendering plant
	Indirect impacts: None		
	Cumulative impacts: None		

Activity	Impact summary	Significance	Proposed mitigation
Alternative S1			
	Direct impacts:		
	Positive impacts	High	None
	Air quality and disturbance	Low	Dust control by means of watering if necessary. Vehicles to be regularly serviced and well-tuned. Operations to be undertaken during working hours only.
	Surface and groundwater pollution	Low	Machinery must be properly maintained at all times. Servicing of machinery must take place only in specific demarcated and protected areas. Any discarded oils, grease, oil filters, rags, etc. will be removed from the site by the contractor responsible for construction.
	Sewage and domestic waste	Low	Proper ablution facilities must be provided i.e. chemical toilets at appropriate locations on site if necessary or existing facilities must be used. Workers must be made aware of the risk of soil water contamination. Domestic waste must be disposed of in appropriate containers, and removed to the Tzaneen Landfill as part of existing waste management system.
	Soil compaction, loss of fertility and increased erosion	Low	Appropriate measures must be taken to reduce the risk of erosion from unprotected slopes i.e. Diversion berms, ponding pools, and not exceeding angles of repose of stockpiled material. All unprotected slopes must be Rehabilitated concurrent with

Activity	Impact summary	Significance	Proposed mitigation
			construction.
	Fires	Low	Cooking and heating fires permitted only in designated areas with appropriate safety measures. Adequate firefighting equipment must be available, as prescribed by the relevant safety standards and legislation.
	Disturbance of fauna	Low	Only small animals occur in this area e.g. small rodents and reptiles. The area is surrounded by similar habitat and fauna is expected to move voluntarily to surrounding areas. No fauna found on the site will be killed.
	Safety	Low	Access to the construction site to be controlled at all times.
	Aesthetics	Low	If needed, an additional line of trees will be planted to minimise visual impact.
	Indirect impacts: None		
	Cumulative impacts: None		
	Operational Phase		
	Manure	Low	Approximately 240 tons of chicken manure will be produced monthly. Chickens are kept for a 28 - 32 day cycle. Manure is collected by Preemag Industries to be used as fertilizer.
	Mortalities	Low	Approximately 12 000 dead chickens will be produced monthly. The mortalities are removed on a daily basis and collected by a Bushvalley Chickens to be processed in a rendering plant.
	Indirect impacts: None		
	Cumulative impacts: None		

No-go option			
	Direct impacts:		
	Positive impacts	Low	None
	Air quality and disturbance	Low	None

	Surface and groundwater pollution	Low	None
	Sewage and domestic waste	Low	None
	Soil compaction, loss of fertility	Low	None
	and increased erosion		
	Fires	Low	None
	Disturbance of fauna	Low	None
	Safety	Low	None
	Aesthetics	Low	None
	Manure	Low	None
	Mortalities	Low	None
	Indirect impacts: None		
	Cumulative impacts: None		

3. ENVIRONMENTAL IMPACT STATEMENT

Taking the assessment of potential impacts into account, please provide an environmental impact statement that summarises the impact that the proposed activity and its alternatives may have on the environment after the management and mitigation of impacts have been taken into account, with specific reference to types of impact, duration of impacts, likelihood of potential impacts actually occurring and the significance of impacts.

Alternative S1:

Impact no: (As described in paragraphs 3 and 4 above)	Extent	Duration	Intensity	Probability	Significance	
	Site Regional National	Short Medium Long	Low Medium High	Improbable Probable Definite	Low Medium High	
					Unmitigated	Mitigated
CONSTRUCTION PHASE						
1.Positive impacts	Site and Regional	Short	Low	Definite	High	High
2. Air quality and disturbance	Site	Short	Medium	Definite	Medium	Low
3. Surface and ground water	Site	Short	Low	Improbable	Low	Low
4. Uncontrolled sewage and domestic waste	Site	Short	High	Improbable	High	Low
5. Soil compaction, loss of fertility and increased erosion	Site	Long	Medium	Probable	High	Low
6. Fires	Site and Regional	Short	High	Improbable	High	Low
7. Disturbance of fauna	Site	Long	High	Definite	Low	Low
8. Safety	Site	Short	High	Probable	High	Low
9. Aesthetics	Site and Regional	Long	Low	Definite	Low	Low
OPERATIONAL PHASE						
1. Sewage, waste and litter	Site	Long	High	Definite	High	Low
2. Manure	Site	Long	High	Definite	High	Low
3. Wash water and possible pollution of water	Site and Regional	Long	High	Improbable	High	Low
4. Mortalities	Site	Long	High	Definite	High	Low
5. Air pollution	Site and Regional	Long	Medium	Improbable	Medium	Low
6. Positive impacts	Site and Regional	Long	Medium	Definite	High	High

Alternative A1						
Impact no: (As described in paragraphs 3 and 4 above)	Extent	Duration	Intensity	Probability	Significance	
	Site Regional National	Short Medium Long	Low Medium High	Improbable Probable Definite	Low Medium High	
					Unmitigated	Mitigated
CONSTRUCTION PHASE						
1.Positive impacts	Site and Regional	Short	Low	Definite	High	High
2. Air quality and disturbance	Site	Short	Medium	Definite	Medium	Low
3. Surface and ground water	Site	Short	Low	Improbable	Low	Low
4. Uncontrolled sewage and domestic waste	Site	Short	High	Improbable	High	Low
5. Soil compaction, loss of fertility and increased erosion	Site	Long	Medium	Probable	High	Low
6. Fires	Site and Regional	Short	High	Improbable	High	Low
7. Disturbance of fauna	Site	Long	High	Definite	Low	Low
8. Safety	Site	Short	High	Probable	High	Low
9. Aesthetics	Site and Regional	Long	Low	Definite	Low	Low
OPERATIONAL PHASE						
1. Sewage, waste and litter	Site	Long	High	Definite	High	Low
2. Manure	Site	Long	High	Definite	High	Low
3. Wash water and possible pollution of water	Site and Regional	Long	High	Improbable	High	Low
4. Mortalities	Site	Long	High	Definite	High	Low
5. Air pollution	Site and Regional	Long	Medium	Improbable	Medium	Low
6. Positive impacts	Site and Regional	Long	Medium	Definite	High	High

No-go alternative (compulsory)

Impact no: (As described in paragraphs 3 and 4 above)	Extent	Duration	Intensity	Probability	Significance
	Site Regional National	Short Medium Long	Low Medium High	Improbable Probable Definite	Low Medium High

					Unmitigated	Mitigated
CONSTRUCTION PHASE						
1.Positive impacts	Site	Short	Low	Improbable	High	High
2. Air quality and disturbance	Site	Short	Medium	Definite	Medium	Medium
3. Surface and ground water	Site	Short	Low	Improbable	Low	Low
4. Uncontrolled sewage and domestic waste	Site	Short	High	Improbable	Low	Low
5. Soil compaction, loss of fertility and increased erosion	Site	Medium	Medium	Definite	Low	Low
6. Fires	Site and Regional	Short	High	Improbable	High	Low
7. Disturbance of fauna	Short	Long	High	Definite	Low	Low
8. Safety	Site	Short	High	Improbable	Low	Low
9. Aesthetics	Site and Regional	Short	Low	Definite	Low	Low
OPERATIONAL PHASE						
1. Sewage, waste and litter	Site	Long	High	Improbable	Low	Low
2. Manure	Site	N/A	High	Improbable	High	Low
3. Wash water and possible pollution of water	Site and Regional	N/A	High	Improbable	High	Low
4. Mortalities	Site	N/A	High	Improbable	High	Low
5. Air pollution	Site and Regional	Short	Medium	Definite	Medium	Medium
6. Positive impacts	Site and Regional	Long	Medium	Improbable	High	High

SECTION E: RECOMMENDATION OF PRACTITIONER

Is the information contained in this report and the documentation attached hereto sufficient to make a decision in respect of the activity applied for (in the view of the environmental assessment practitioner)?	YES √	NO

If "NO", indicate the aspects that should be assessed further as part of a Scoping and EIA process before a decision can be made (list the aspects that require further assessment).

If "YES", please list any recommended conditions, including mitigation measures that should be considered for inclusion in any authorisation that may be granted by the competent authority in respect of the application.

Is an EMPr attached?	YES √	NO

The EMPr must be attached as Appendix G.

The details of the EAP who compiled the BAR and the expertise of the EAP to perform the Basic Assessment process must be included as Appendix H.

If any specialist reports were used during the compilation of this BAR, please attach the declaration of interest for each specialist in Appendix I.

Any other information relevant to this application and not previously included must be attached in Appendix J.

SECTION F: APPENDICES

The following appendixes must be attached:

Appendix A: Maps √

Appendix B: Photographs √

Appendix C: Facility illustration(s) √

Appendix D: Specialist reports (including terms of reference)

Appendix E: Public Participation √

Appendix F: Impact Assessment √

Appendix G: Environmental Management Programme (EMPr) √

Appendix H: Details of EAP and expertise √

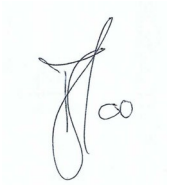
Appendix I: Specialist's declaration of interest

Appendix J: Additional Information √

SECTION G: DECLRATION BY THE ENVIRONMENTAL ASSESSMENT PRACTITIONER

I, **Helen Prinsloo** declare that I –

(a) act as the independent environmental practitioner in this application;
(b) do not have and will not have any financial interest in the undertaking of the activity, other than remuneration for work performed in terms of the Environmental Impact Assessment Regulations, 2014;
(c) do not have and will not have a vested interest in the proposed activity proceeding;
(d) have no, and will not engage in, conflicting interests in the undertaking of the activity;
(e) undertake to disclose, to the competent authority, any material information that has or may have the potential to influence the decision of the competent authority or the objectivity of any report, plan or document required in terms of the Environmental Impact Assessment Regulations, 2006;
(f) will ensure that information containing all relevant facts in respect of the application is distributed or made available to interested and affected parties and the public and that participation by interested and affected parties is facilitated in such a manner that all interested and affected parties will be provided with a reasonable opportunity to participate and to provide comments on documents that are produced to support the application;
(g) will ensure that the comments of all interested and affected parties are considered and recorded in reports that are submitted to the Department in respect of the application, provided that comments that are made by interested and affected parties in respect of a final report that will be submitted to the Department may be attached to the report without further amendment to the report;
(h) will keep a register of all interested and affected parties that participated in a public participation process; and
(i) will provide the Department with access to all information at my disposal regarding the application, whether such information is favourable to the applicant or not.



Signature of the Environmental Assessment Practitioner:

Bucandi Environmental Solutions
Name of company:

17/03/2025
Date: