



GAUTENG PROVINCE

AGRICULTURE AND RURAL DEVELOPMENT
REPUBLIC OF SOUTH AFRICA

Reference: Gaut 002/20-21/E2695
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Indima Agri Group NPC
42 Marula Crescent
Serengeti Estate
Kempton Park
1619

By Registered Mail

Email: admin@indimagroup.co.za

Telephone Number: 076 335 7542

Dear Kuselwa Mkize,

GDARD
Office of the HOD

07 OCT 2021

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ENVIRONMENTAL AUTHORISATION GRANTED - PROPOSED PIG PRODUCTION FACILITY ON PORTION 23 OF THE FARM KAMEELZYNKRAAL 547-JR, CITY OF TSHWANE METROPOLITAN MUNICIPALITY.

With reference to the above application, please be advised that the department has decided to grant environmental authorisation. An Environmental Authorisation (EA) and reasons for the decisions are attached herewith.

In terms of Regulation 4(2) of the Environmental Impact Assessment Regulations, 2014, as amended, you must notify all registered interested and affected parties, in writing, within 14 days of the date of this EA, of the Department's decision in respect of your application as well as the provisions that are contained on the Appeal Regulations regarding the submission of appeals. A copy of this EA must also be appended to the letter of notification to the interested and affected parties.

Your attention is drawn to Chapter 2 of the National Appeals Regulations, 2014, which regulates the appeal process. Should any person wish to lodge an appeal against this decision or any aspect of this decision, he/she must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party, and any organ of state with interest on the matter within 20 days from the date that the notification of the decision was sent to the registered interested and affected parties by the applicant; or the date that the notification of the decision was sent to the applicant by the Department, whichever, is applicable. The appeal(s) must be submitted in writing by any of the following means:

Postal Address:

The Appeals Administrator
Department of Agriculture and Rural Development
P.O. Box 8769
Johannesburg
2000

Physical Address

The Appeals Administrator
Department of Agriculture and Rural Development
56 Eloff Street, Umnotho House, 23rd Floor
Johannesburg
2000

Fax No: 011 240 3158/2700

Email Address: appeals@gauteng.gov.za

Your appeal must be submitted in the prescribed appeal form obtainable from the appeal administrator, Ms. Tsholofelo Mere, at telephone number 011 240 3204 or email address tsholofelo.mere@gauteng.gov.za. The appeal form is also available from our website: www.gdard.gpg.gov.za. Should you have any queries or require additional information regarding the appeal process, you can contact the appeal administrator on any of the mentioned contact details.

Kindly take note that in terms of Section 43(7) of the National Environmental Management Act, 1998 (NEMA), as amended, the lodging of appeal suspends environmental authorisation as well as its associated Environmental Management Programme. This means that the activity authorised by this EA must not commence until such time that the appeal is finalised.

Kind regards,



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MS. MATILDA GASELA
HEAD OF DEPARTMENT: AGRICULTURE AND RURAL DEVELOPMENT

DATE: 07 OCTOBER 2021



ENVIRONMENTAL AUTHORISATION

Reference Number:	Gaut 002/20-21/E2695
Holder of Authorisation:	Indima Agri Group NPC
Location of Activity / Activities:	Portion 23 of the farm Kameelzynkraal 547-JR

Coordinates:	Latitude (S)	Longitude (E)
	25° 54' 38.34" S	28° 30' 47.72" E

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1. Decision

The Department is satisfied, on the basis of the information available to it and subject to compliance with the conditions of this environmental authorisation, that the applicant should be authorised to undertake the activities specified below.

2. Activities Authorised

Under the National Environmental Management Act, 1998 (Act No. 107 of 1998) (as amended) and the Environmental Impact Assessment Regulations, 2014, the Department hereby authorises-

Indima Agri Group NPC (hereafter referred to as the Applicant)

with the following contact details-

Indima Agri Group NPC
42 Marula Crescent
Serengeti Estate
Kempton Park
1619

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Tel No.: 076 335 7542

to undertake the activities (hereafter referred to as "activity") listed in the table below:

Activity No and description	Description of the development related to the listed activity
<p>Listing Notice 1 activity 4</p> <p><i>"The development and related operation of facilities or infrastructure for the concentration of animals in densities that exceed—</i></p> <p><i>(i) 20 square metres per large stock unit and more than 500 units per facility;</i></p> <p><i>(ii) 8 square meters per small stock unit and;</i></p> <p><i>a. more than 1 000 units per facility excluding pigs where (b) applies; or</i></p> <p><i>b. more than 250 pigs per facility excluding piglets that are not yet weaned;</i></p>	<p>The development is for Pig Production Facility with a footprint for 250 sow unit and growing pigs. The pig sheds are 1 479 m² in size, each pig has between 5.9 m² and 1.18 m² of space, depending on the number of growing pigs. This density exceeds the 8 m² per small stock unit threshold.</p>
<p>Listing Notice 1 Activity 27</p> <p><i>The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for-</i></p>	<p>Pig production of 3.2 hectares or 32 000 m²</p>

<p>(i) the undertaking of a linear activity; or maintenance purposes undertaken in accordance with a maintenance management plan.</p> <p>Listing Notice 3 Activity 12</p> <p><i>The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan.</i></p> <p>c. Gauteng</p> <p>(ii) Within Critical Biodiversity Areas or Ecological Support Areas identified in the Gauteng Conservation Plan or bioregional plans; or</p>	<p>Although the area proposed for development has been previously impacted through agriculture activities, the eastern areas rated as highly sensitive in the project area according to the Gauteng C-Plan.</p>
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- for the proposed development of pig production facility on portion 23 of the farm Kameelzinkraal 547-JR, which falls within the jurisdiction of City of Tshwane Metropolitan Municipality.

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Scope of Environmental Authorisation.

3. Specific Conditions

- 3.1 Environmental Authorisation is granted for the development of a 250 sow unit with a pig sheds of 1 479 m² in size with a development footprint of 32 000 m² indicated as the ("the proposal) in the Final Basic Assessment received by the department on 27 August 2021.
- 3.2 All surface run-off must be managed to ensure prevention of soil erosion, protection of the soil must be sought either through cladding with biodegradable material or with seeded topsoil;
- 3.3 Effective storm water management system and access road designs must be done to the satisfaction of City Tshwane Metropolitan Municipality.
- 3.4 Effluent from the facility must be treated and meet the minimum requirement standard of effluent to be discharged to the aquatic environment.
- 3.5 The area disturbed during construction must be rehabilitated to its natural state.
- 3.6 The operation of the facility must comply with the Occupational Health and Safety Act (Act No. 85 of 1993) and sound Occupational Hygiene Procedures implemented and improved upon

4. Commencement and completion of the activity/activities

- 4.1 The construction of the authorised activities, including post development/construction rehabilitation must be concluded within a period of 10 years from the date of signature of this environmental authorisation. If the authorised activities has not been concluded within that period, the authorisation lapses.
- 4.2 Continuation of the authorised activities after the lapsing period of this EA and where such continuation will meet the threshold of any listed activity or activities, will constitute on offense.
- 4.3 Commencement with one listed activity authorised in terms of this environmental authorisation constitutes commencement with all other authorised activities.

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5. Commencement of the operational activity/activities

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The construction and related operation of the proposed activity must commence within a period of 10 years from the date of signature of this environmental authorisation. If commencement of the proposed activity does not occur within the said period (10 years), the environmental authorisation lapses and a new application for authorisation must be made in order for the activity to be undertake.

6. Management of the activity or activities

The Environmental Management Programme ("EMPr") submitted as part of the application for environmental authorisation is also authorised in terms of this EA and must be implemented. In addition, the following is considered part of the subject EMPr:

- 6.1 Proper training of contractors and workers must be properly trained in all aspects relating to construction and operation; and must be familiar with the content of the EMPr;
- 6.2 Applicant must ensure that no refuse generated on site may be placed, dumped or deposited on adjacent properties or public places and open spaces during or after construction;
- 6.3 Dust suppression techniques such as water sprinkling must be implemented to minimize dust pollution on the site during construction phase of the development;
- 6.4 All alien and invasive plants must be removed from the site as part of the rehabilitation plan. Rehabilitation of natural vegetation must proceed in accordance with a rehabilitation plan compiled by a specialist registered in terms of the Natural Scientific Professions Act (No.27 of 2003) in the field of Ecological Science;
- 6.5 Rehabilitation must be done immediately after construction activities on site and must be conducted in such manner that ensures that wetland and riparian conditions are reinstated as natural state as possible;
- 6.6 Noise level generated during construction activities required by occupational Health and Safety Standard must not be exceeded;

- 6.7 All waste streams to be generated during construction and operational phase must be managed in accordance with the hierarchy of waste management principles and disposal at an authorised landfill or waste disposal site must be the last option. Proof of disposal of waste must be kept on site and made available to the Department upon request.
- 6.8 The surface storm water management plan must be based on Sustainable Urban Drainage Systems (SUDS) Principles and consider source, local and regional controls.
- 6.9 The Applicant must submit recommendations to amend the EMPr where the findings of the environmental audit reports indicate insufficient mitigation of environmental impacts associated with the undertaking of the activity, or insufficient levels of compliance with the environmental authorisation or the EMPr and where applicable, the closure plan.
- 6.10 The request to amend the EMPr must contain recommendations or mitigation to rectify the shortcomings identified in the environmental audit report.
- 6.11 The recommendation to amend the EMPr must be submitted to the Department for approval together with the environmental audit report in accordance with the regulations. Such updated EMPr must have been subjected to public participation process, which has been agreed to by the competent authority prior submission.
- 6.12 In assessing whether to grant approval of an amended EMPr because of an audit report, the competent authority may request such amendments to the EMPr as it deems appropriate to ensure that the EMPr or closure plan sufficiently provides for avoidance management and mitigation of environmental impacts associated with the undertaking of the activity.

7. Bio-security measures

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- 7.1 The bio-security plan must be read in conjunction with the EMPr and must be updated to incorporate conditions given in this EA. Regular review of plans must be undertaken to update the documents according to the prevailing circumstances so as to minimise the possibility of security and health breaches.
- 7.2 The operation of the facility as a whole must comply with the Occupational Health and Safety Act (No. 85 of 1993) and sound Occupational Hygiene Procedures implemented and improved upon.
- 7.3 A biosecurity plan which takes into consideration the safety of workers on site must be put into effect.
- 7.4 All effluent must meet both the relevant local authority and Department of Water and Sanitation (DWS) standards before discharge into the municipal sewer system. Records to ensure compliance in this respect must be maintained. No contaminated effluent must be discharged into the storm water drain.
- 7.5 An on-site safety plan must be made available and all staff must be trained in the appropriate emergency procedures, facilities to provide onsite treatment in case of emergency to treat personnel.
- 7.6 A wheel washing system must be installed at the main entrance of the farm to disinfect vehicles before entering and leaving the farm.
- 7.7 The slurry dam must be placed in a more sensible area and proper management measures must be implemented to mitigate impact on air quality and ground water.
- 7.8 Pests and vermin must be controlled using some approved pest-control company or trained personnel.
- 7.9 Fly control measures must be implemented in the piggery's holding area. Buildings should be made secure against wild birds. Feed spillages should be removed immediately to avoid the attraction of vermin and wild birds.
- 7.10 Mortality must be picked up daily and disposed of to the licensed municipal or registered landfill site. Stock-piling mortality and allowing carcasses to decompose before disposal is not allowed as this increases the risk of spreading disease via rodents and insects.
- 7.11 In case of disease outbreaks and high mortalities of pigs, the nearest Local State Veterinary and Health Inspector must be contacted immediately and dead pigs must then be removed from the piggery farm daily or twice daily if mortality is high. Once collected, they must be moved to an authorised and / or permitted waste treatment/processing facility preferably, off farm, for processing either to a rendering plant or suitable area for burial or subsequent collection by a contractor.

- 7.12 Levels of ammonia, methane, carbon monoxide, carbon dioxide and hydrogen sulphide in pig farm must be monitored every six months to ensure it does not affect the health of pigs and workers.
- 7.13 A copy of an agreement letter with the nearest rendering plant and / or a contracted company contracted to remove, transport and dispose of dead stock must also be submitted to this Department before commencement of operations.
- 7.14 Fire-fighting equipment must be readily available on site and these must be maintained and checked on a weekly basis;
- 7.15 Personal protective equipment must be used during the operational phase, this includes eye protection or respiratory protection (dust masks) in case of airborne pathogens that could be mechanically spread by mucous membrane contamination;
- 7.16 The applicant must register with the Local State Veterinary and Health Inspector;
- 7.17 In case of disease outbreaks and high mortalities, the nearest Local State Veterinary and Health Inspector must be contacted immediately;

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8. Monitoring and Reporting

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- 8.1 An independent Environmental Control Officer (ECO) must be appointed to oversee the development activities and guide compliance with the conditions of environmental authorisation and EMPr. An ECO must submit compliance report at least once during preparation and construction phase of the development and one post development rehabilitation phase to mark completion of construction development.
- 8.2 An ECO must be appointed prior to any commencement of the authorised activity or activities.
- 8.3 Once appointed, the name and contact details of the ECO must be submitted to the Department's Compliance Monitoring Section in the Department; documentation such as audit/monitoring/compliance reports and notifications, required to be submitted, must be submitted thereto.
- 8.4 Frequency of the submission of environmental audit report must be once within 30 days after completion of the construction phase and a final environmental audit report within 30 days after the completion of the development including associated post development rehabilitation and monitoring actions.
- 8.5 The ECO must keep record of all activities on the site, problems identified, transgressions identified / noted, and a task schedule of the functions undertaken by the ECO.
- 8.6 The environmental audit report must be compiled in accordance with appendix 7 of the EIA Regulations, 2014 and must indicate the date of the audit, the name of the auditor and the outcome of the audit in terms of compliance with the environmental authorisation conditions as well as the requirements of the EMPr.
- 8.7 Records relating to monitoring and auditing must be kept on the site and made available to any authorised person(s) acting on behalf of the relevant competent authority in respect of the development.

9. Notification of commencement of activity

- 9.1 A written notification of commencement of the activity, including site preparation, must be given to the Department 14 days prior to commencement of the activity on the site. The notice must include the date on which it is anticipated that the activity will commence as well as the EA reference number and be submitted to Director: Compliance Monitoring Ms. Sasa Sekhotha, the official of the Department at the email address: Sasa.Sekhotha@gauteng.gov.za.

10. General Conditions

- 10.1 The conditions of this EA are binding on the applicant ("Holder of EA"), including any person acting on his or her behalf, including but not limited to an agent, sub-contractor, employee or person rendering a service to the applicant.
- 10.2 The activities authorised may only be carried out at the property or site indicated in this EA.
- 10.3 Any changes to, or deviation from, the activity or activities' description set out in this EA must follow the appropriate amendment process described in the Environmental Impact

Assessment Regulations, and be approved, in writing, by the Department before such changes or deviation are effected. In assessing whether to approve such changes, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the applicant to apply for further authorisations in terms of the Regulations.

- 10.4 Where any of the applicant's contact details changes, including the name of the applicant, the physical or postal address and/or telephonic details, the applicant must follow the relevant amendment process as prescribed in the Environmental Impact Assessment Regulations, by submitting an amendment application to the Department for consideration and decision making as soon as the new details become known to the applicant.
- 10.5 This EA does not negate the holder's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activities.
- 10.6 This EA and EMPr must be kept at the property or site where the activity or activities will be undertaken. The documents must be produced to any authorised official of the Department who requests to inspect them and must also be made available for inspection by any employee or agent of the holder of the EA who works or undertakes work at the property.
- 10.7 Non-compliance with a condition of this EA may result in criminal prosecution or other actions provided for in the National Environmental Management Act, 1998 (Act No. 107 of 1998) (as amended) and the Environmental Impact Assessment Regulations.
- 10.8 If the Department has reason to believe that the EA was obtained through fraud, non-disclosure of material information or misrepresentation of a material fact, the Department may, in writing, suspend or partially suspend, with immediate effect, the EA and direct the holder of such EA forthwith, to cease any activities that have been commenced with or to refrain from commencing any activity, pending a decision to withdraw the EA.

Date of the Environmental Authorisation:

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07 OCTOBER 2021

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ANNEXURE 1: REASON FOR DECISION

1. Information considered in making the decision

In reaching its decision, the Department took, inter alia, the following into consideration:

- 1.1 The information contained in the Final Basic Assessment Report received by the Department on 27 August 2021 including:
 - 1.1.1 Heritage Impact Assessment,
 - 1.1.2 Biodiversity Baseline & Impact Assessment;
 - 1.1.3 Biosecurity Management Report;
 - 1.1.4 Stormwater Management Plan and Layout;
 - 1.1.5 Environmental Management Programme Report
- 1.2 The relevant information contained in the Departmental information base including the Geographical Information System (GIS), Gauteng Conservation Plan Version 3.3, the Gauteng Pollution Buffer Zone Guidelines, 2017 and the Gauteng Provincial Environmental Management Framework (GPEMF), 2015.
- 1.3 The objectives and requirements of relevant legislation, policies and guidelines, including Section 2 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (as amended).
- 1.4 The findings of the site inspection undertaken by Mrs. Fulufhelo Mulaudzi an official of the Department on 15 September 2021.

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2. Key factors considered in making the decision

All information presented to the Department was taken into account in the Department's consideration of the application. A summary of the issues which, in the Department's view, were of the most significance is set out below.

- 2.1 Location of the proposed site in terms of the Gauteng Provincial Environmental Management Framework 2015 (GPEMF) and compatibility of the proposed activity with the structures located adjacent to the proposed site.
- 2.2 Environmental sensitivities of the site in terms of the Departmental Geographical Information System versus the specialist studies undertaken on site.
- 2.3 Agricultural potential of the site in terms of Gauteng Agricultural Potential Atlas (GAPA3).
- 2.4 Impacts on air quality because of unpleasant odours from the piggery operation.
- 2.5 Ground Water and surface water contamination because of handling effluent from the facility.
- 2.6 Impacts on the sensitive cultural heritage environment of the site identified during the survey and desktop study.
- 2.7 Public participation process in terms of the Environmental Impact Assessment Regulation, 2014.

3. Findings

After consideration of the information and factors listed above, the Department made the following findings:

- 3.1 The proposed activity is proposed in an area situated within the Environmental Management Zone 3 and 4 in terms of the Gauteng Provincial Environmental Management Framework (GPEMF) (2015) does not conflict with the GPEMF's objectives and it is compatible with the surrounding landuses.
- 3.2 Part of the proposed site is a Critical Biodiversity Area with patches of sensitive vegetation and Ecological Support area that does support a number of fauna and flora species. The layout plan has been carefully informed by the findings of the Ecological Impact Assessment to avoid sensitive areas and loss of species of conservation concern activity is proposed on the area that is already disturbed and mitigation measures provided on the report must be implemented and the area affected will be rehabilitated.

- 3.3 The proposed site located within the agricultural hub, therefore the proposed activity is compatible with the surrounding activities.
- 3.4 Impermeable membrane will be placed on over the effluent dam essentially trapping methane gas and decreasing / limiting odours nuisance. Modern building designs and slatted floors to be used in the proposed buildings will greatly improve the impacts of odours. The odour control equipment should be fitted with monitoring equipment with recorders for the monitoring of key parameters. The manure handling pond will be adequately operated and maintained to minimise emissions of odours.
- 3.5 Effluent will be directed to the manure handling pond or slurry dam where the water will evaporate; solid waste will be used as fertilizers for the agricultural fields. The wall will be well lined covered with impermeable membrane and inspected for any signs of leakage and repair / maintain as when necessary to avoid ground water contamination. Effluent will be separated into solids and liquids using a rotary or static separator. The slurry dam will be licensed by the Department of Water and Sanitation.
- 3.6 The two heritage walled homestead sites were identified on site which will require a phase 2 investigation subject to the necessary excavation permits prior to the commencement of the activity. Archeological High Sensitivity and activity during construction and operational phases should be avoided in this area and the area must be declared as a no-go area. Burial grounds and graves were also identified on site; however, a conservation buffer of at least 5m will be implemented around the burial grounds to ensure the necessary protection of the site. SAHRA will also be alerted immediately in case of further evidence of artifacts, paleontological fossils, additional graves or other heritage resources are discovered during the construction.
- 3.7 The Public Participation Process met the requirements outlined in the Environmental Impact Assessment Regulations, 2014. The issues were raised during public participation that was conducted twice and all issues raised were addressed by the EAP to the satisfactory level.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in this EA, the activities will not conflict with the general objectives of integrated environmental management laid down in the National Environmental Management Act, 1998 (Act No. 107 of 1998) (as amended) and that any potentially detrimental environmental impacts resulting from the proposed activities can be mitigated to acceptable levels. The Environmental Authorisation is **accordingly granted**.

GDARD
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