



**NATIONAL ENVIRONMENT MANAGEMENT AUTHORITY
Office of the County Director of Environment, Isiolo**

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APPROVAL NO: NEMA/SPA/3786
APPLICATION ID: NEMA/SPR/5/2/6650

9/22/2021

NEMA/SPR/ISL/5/2/109

Kenya Climate Smart Agriculture Project-Isiolo County

P O BOX 36 ISIOLO

RE: SUMMARY PROJECT REPORT APPROVAL FOR THE PROPOSED PROPOSED BASSA BOREHOLE PROJECT PLOT L.R NO.: BASSA LOCATION, CHERAB WARD COMMUNITY LAND, MERTI, ISIOLO COUNTY

Reference is made to your Summary Project Report submitted to the Authority on 2021-09-20 on the above subject.

The National Environment Management Authority (NEMA) has reviewed the Summary Project Report of the above mentioned proposed project and in light of the provisions of the Environmental Management and Coordination Act, EMCA 1999 and pursuant to Section 3(b) of the Environmental (Impact Assessment and Audit) (Amendment) Regulations, 2019 the Authority has approved the proposed project with the following mandatory conditions.

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Edward Menza

FOR: DIRECTOR GENERAL

1.0 General Conditions

- 1.1 The project involve drilling of a borehole and its installations at Bassa Location, Chera Ward Merti- Isiolo County.
- 1.2 The License once issued shall be valid for 24 Months from the date of issue;
- 1.3 Without prejudice to other conditions of the license, the proponent shall implement and maintain an Environmental Management System, Organizational Structure and allocate resources that are sufficient to achieve compliance with the requirements and conditions of the license;
- 1.4 The Authority shall take appropriate action against the proponent in the event of breach of any of the conditions stated herein or any contravention to the Environmental Management and Coordination Act, 1999 and regulations thereunder;
- 1.5 The License once issued shall not be taken as statutory defence against charges of pollution in respect of any manner of pollution not specified herein;
- 1.6 The proponent shall ensure that records on conditions of Licenses/Approval and Project Monitoring and Evaluation shall be kept on site at all times for inspection by N.E.M.A's Environmental Inspectors;
- 1.7 The proponent shall submit an Environmental Audit Report in the first year of occupation/operation/commissioning to confirm the efficacy and adequacy of the Environmental Management Plan;
- 1.8 The proponent shall comply with NEMA's improvement orders throughout the project cycle;

2.0 Construction/Drilling Conditions

- 2.2 The proponent shall ensure that all excavated material and debris is collected, re-used and where need be disposed off as per the Environmental Management and Coordination (Waste Management) Regulations, 2006;
- 2.3 The proponent shall ensure strict adherence to the provisions of Environmental Management and Coordination (Noise and Excessive Vibrations Pollution Control) Regulations, 2009;
- 2.4 The proponent shall ensure strict adherence to the Occupational Safety and Health Act No. 15 of 2007;
- 2.5 The proponent shall ensure that workers are provided with adequate personal protection equipment (PPE), sanitary facilities as well as adequate training where necessary;
- 2.6 The proponent shall ensure that construction/drilling activities are undertaken during the day (and not at night) - between 08.00 hrs and 17.00 hrs; and that transportation of construction/drilling materials to and from site is undertaken during weekdays (and not weekends) off peak hours;
- 2.7 The proponent shall after completion of the civil works ensure that the site is restored to its initial status;
- 2.8 The proponent shall ensure strict adherence to the Environmental Management Plan developed throughout the project cycle;
- 2.9 The proponent shall collaborate with the EIA Expert(s) and the contractor (s) to ensure that proposed mitigation measures are adhered to during the construction phase and where necessary appropriate mending-up activities undertaken and a report of the same submitted to NEMA. Emphasis must be given to control of dust, noise, vibrations, occupational hazards and provision of sanitary accommodation to construction/drilling workforce;
- 2.10 The Proponent shall seek and obtain approval for Drilling from the Water Resources Management Authority (WRMA) and shall adhere to the conditions thereon;
- 2.11 The Proponent shall limit destruction of vegetative cover in the Project Area

3.0 Operational Conditions

- 3.1 The proponent shall ensure that all Noise emitting equipment in use at the drilling site and during the operation phase are well maintained in accordance with the provisions of the Environmental Management and Coordination (Noise and Excessive Vibrations Pollution Control) Regulations, 2009;
- 3.2 The proponent shall ensure that any solid waste resulting from the drilling activities is handled in accordance with the Environmental Management and Coordination (Waste management) Regulations, 2006;



- 3.3 The proponent shall comply with the relevant principal laws, by-laws and guidelines (including zoning specifications) issued for development of such a project within the jurisdiction of the County Government of Isiolo the Water Resources Authority (WRA), the Ministry of Public Health and Sanitation, and the Directorate of Occupational Safety and Health Services and any other relevant Authorities;
- 3.4 The proponent shall ensure that environmental protection facilities or measures to prevent pollution and ecological deterioration such as soil erosion control measures, dust emission control measures, solid waste management plan, and site restoration plans are designed, constructed and employed simultaneously with the proposed project;
- 3.5 The proponent shall ensure that the drilled water meant for domestic and/or irrigation use meets the standards set out for water for domestic and/or irrigation in accordance with the Environmental Management and Coordination (Water Quality) regulations, 2006;
- 3.6 The proponent shall ensure adequate distribution of water away from the borehole area to prevent overcrowding of people and domestic animals at any one time;
- 3.7 The proponent shall ensure no Hydraulic Interference with other Boreholes in the neighbourhood is occasioned by the said Project;
- 3.8 The Proponent shall install appropriate Water Metres to monitor Borehole Discharge or ground Water Abstraction, install a Piezometer to facilitate regular measurement of Static Water Level in the Bore hole and frequently monitor the Water Quality and provide records to NEMA and the Water Resources Authority (WRA);
- 4.0 Notification Conditions**
- 4.1 The proponent shall seek written approval from the Authority for any operational changes under the License;
- 4.2 The proponent shall ensure that the Authority is notified of any malfunctioning of any system within 12 hrs through the NEMA hotline 020 – 600604 and mitigation measures put in place immediately;
- 4.3 The proponent shall keep records of all pollution incidences and notify the Authority within 24 hrs;
- 4.4 The proponent shall notify the Authority in writing of intents to decommission three months in advance.
- 5.0 Decommissioning Conditions**
- 5.1 The proponent shall ensure that a decommissioning plan is submitted to the Authority for approval at least 3 (three) months prior to decommissioning;
- 5.2 The proponent shall ensure that all pollutants and polluted material is contained and adequate mitigation measures provided during this phase.
- The above conditions will ensure environmentally sustainable development and must be complied with.

