



REPUBLIC OF NAMIBIA

MINISTRY OF AGRICULTURE, WATER AND LAND REFORM

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Mr Teofilus Nghitila
Executive Director
Ministry of Environment, Forestry and Tourism
Private Bag 13306
WINDHOEK

Dear Mr Nghitila

SUBJECT: COMMENTS ON THE PROPOSED EIA.

The Ministry of Agriculture, Water and Land Reform (MAWLR) acknowledges receipt of the:

1. ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT FOR A PILOT STUDY FOR THE PROPOSED DEVELOPMENT OF A SOLAR PV POWER PLANT AND AGRICULTURAL ACTIVITIES FOR THE PRODUCTION OF GREEN HYDROGEN AND GREEN ANHYDROUS AMMONIA IN THE DAURES CONSTITUENCY, ERONGO REGION NAMIBIA
2. ENVIRONMENTAL SCOPING ASSESSMENT FOR THE INCREASE IN GROUNDWATER ABSTRACTION AT THE REMAINDER OF FARM SPONHOLZ NO.140

Herewith attached, please find the comments on the Reports in terms of the project's activities which fall within the mandate of the MAWLR.

Kindly accept assurance of my highest esteem.

Yours Sincerely,

Ndiyakupi Nghituwamata (Ms)
EXECUTIVE DIRECTOR



All official correspondence must be addressed to the Executive Director.

ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT FOR A PILOT STUDY FOR THE PROPOSED DEVELOPMENT OF A SOLAR PV POWER PLANT AND AGRICULTURAL ACTIVITIES FOR THE PRODUCTION OF GREEN HYDROGEN AND GREEN ANHYDROUS AMMONIA IN THE DAURES CONSTITUENCY, ERONGO REGION NAMIBIA

RESPONSE SHEET FOR MINISTRY OF AGRICULTURE, WATER AND LAND REFORM, DEPARTMENT OF WATER AFFAIRS, DIRECTORATE WATER RESOURCE MANAGEMENT

Comments/Suggestions/Questions

DIRECTORATE WATER RESOURCE MANAGEMENT

Ministry of Agriculture, Water and Land Reform (MAWLR), Directorate of Water Resource Management (DWRM) has the mandate to manage national water resources by determining the potential of the water resources and ensuring the protection and sustainable utilization of the water resources. The Directorate monitors and controls pollution and over abstraction at national and regional level.

Groundwater Management-Geohydrology Division

GENERAL COMMENT

1. The proponent will need to apply for water abstraction and wastewater disposal permits from the Department of Water affairs via the Division of Policy and Water Law Administration.
2. **P38 4.4 Green Hydrogen and Green Ammonia Production Facility**
It is indicated that the green hydrogen is produced by splitting water by electrolysis. The proponent should clearly indicate the source of water and amounts of water required to produce green hydrogen.
3. **P44 4.8 Operational Activities**

Under the section water supply, it is indicated that a total of 7 sites were identified for borehole drilling. The proponent should note that no drilling may commence without a drilling permit. If successful, an abstraction permit should be applied for to cater for water required during the operational phase of the project for phase 1.

OVERALL COMMENTS

The MAWLR therefore have no objection to the implementation of the proposed project and recommends that the aforementioned comments on Water Resource Management are adhered to.



ENVIRONMENTAL SCOPING ASSESSMENT FOR THE INCREASE IN GROUNDWATER ABSTRACTION AT THE REMAINDER OF FARM SPONHOLZ NO.140

RESPONSE SHEET FOR MINISTRY OF AGRICULTURE, WATER AND LAND REFORM, DEPARTMENT OF WATER AFFAIRS, DIRECTORATE WATER RESOURCE MANAGEMENT

Date	26 April 2023
Comments/Suggestions/Questions DIRECTORATE WATER RESOURCE MANAGEMENT Ministry of Agriculture, Water and Land Reform (MAWLR), Directorate of Water Resource Management (DWRM) has the mandate to manage national water resources by determining the potential of the water resources and ensuring the protection and sustainable utilization of the water resources. The Directorate monitors and controls pollution and over abstraction at national and regional level. <u>Groundwater Management-Geohydrology Division</u> RECOMMENDATIONS <ol style="list-style-type: none">1. It is recommended that a complete hydrocensus be conducted in and around the project area to establish baseline database (water levels and water quality). The hydrocensus should target both boreholes tapping the Auob and Kalahari aquifers.2. The Auob Aquifer is reserved for high abstraction activities such as irrigation because of its higher groundwater potential. Due to its confined nature the impacts of abstraction might be experienced elsewhere outside the project area. It is therefore recommended that:<ol style="list-style-type: none">2.1 The proponent runs a numerical model by refining the grids of the existing regional STAS model obtainable at the Department of Water Affairs in order to simulate the impacts of the proposed abstraction.2.2 An extensive monitoring network be set up based on the results of the modelling to monitor the groundwater levels and quality as part of the groundwater management plan, which should be included in the EMP.2.3 The impact of climate change be considered in the modelling scenarios in order to assess the feasibility of the proposed abstraction. GENERAL COMMENT It may be noted that the DWA will incorporate the proposed monitoring network into its existing regional monitoring network. That means if the impact areas are identified outside the project area, the department will expand the existing network accordingly and if the impact areas are identified within the project area, the proponent will be expected give the department access to the proposed network.	

