



**NATIONAL RADIATION
PROTECTION AUTHORITY**
*Established pursuant to Section 33(1) of the Atomic Energy &
Radiation Protection Act, Act No 5 of 2005*

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Ref: 19/2/2/2

Date: 29 August 2023

Ms Victoria Shikwaya
GCS Water Environmental Engineering Namibia (Pty) Ltd.
P.O.Box 81808
Windhoek

Dear Ms Shikwaya

Subject: Environmental Impact Assessment for the Proposed Construction of Telecommunication Towers.

With reference to your submission for: Windhoek Khomas Region, GCS Project Number: 23-0714, Namibia; Oikokola (Etayi), Omusati Region, GCS Ref – 22-1081; Ondangwa Extension 8, Ondangwa, Oshana Region, GCS Ref – 22-1081; Oshikuku Extension 4, Oshikuku, Omusati Region, GCS Ref – 22-1081; Otavi Extension 4, Otavi, Otjozondjupa Region, GCS Ref – 22-1081.

Your submission on the above-mentioned sites, made on 15 August 2023, on behalf of PowerCom (Pty) Ltd has been reviewed. This Authority has no objection for recommending support for the Environmental Clearance Certificate (ECC) for the proposed activities.

We would, however, recommends to PowerCom that:

- i. Mathematical calculation or appropriate modelling tool be used to establish boundaries (exclusion zone) for every antenna mounted on the base station, outside of which electric and magnetic field (EMF) exposure is below the International Commission on Non-Ionizing Radiation (ICNIRP) limits. This information should be provided to the Authority as soon as practical.
- ii. Reasonable and practicable engineering or administrative control measures are implemented for established boundaries to regulate access by members of the public and workers.
- iii. The site be registered as required by the Non Ionising Radiation Regulations (Government Notice No 126 of 2020).
- iv. All potential operators acquire pre-approval from this Authority, subject to demonstration of compliance with regulatory requirements.

I hope the above is in good order.

Yours Sincerely,


Axel Tibinyane
Director



Mission

To provide for the adequate protection of the environment and of people in current and future generations against the harmful effects of radiation