

BIODIVERSITY STUDY FOR FIVE GRANITE QUARRIES OF TAMIL NADU MINERALS Ltd. (TAMIN)

**TECHNICAL REPORT OF FIVE GRANITE QUARRIES
(PANCHAPALLI & NAMANDAHALLI, JAKKERY, SUDANUR,
AJJANAHALLI, THANDARAMPATTU)**

**Investigators : Dr. S. Babu | Dr. P.R. Arun
Research Scholars : Mr. Kishore M**



Sálim Ali Centre for Ornithology and Natural History
(South India Centre of Wildlife Institute of India)
Coimbatore – 641 108, Tamil Nadu, India

MAY - 2025

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Submitted to



Tamil Nadu Minerals Limited
(A Government of Tamil Nadu Undertaking)

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EXECUTIVE SUMMARY

Tamil Nadu Minerals Limited (TAMIN) approached SACON to conduct a biodiversity documentation study for its five granite mining sites, spread across three districts in Tamil Nadu. In response, SACON conducted a rapid biodiversity survey from November, 2024 to April, 2025, all five mining sites, including of three sites in Dharmapuri and one each in Krishnagiri and Thiruvanamalai districts. We used standard survey protocols and sampling methods for flora, butterflies, odonates, amphibians, reptiles, birds and mammals. In Panchapalli and Namandahalli mining site (Dharmapuri District), we recorded 295 species of flora, 25 species of Butterflies, seven species of dragonfly and one species of damselfly, seven species of amphibians, 17 species of reptiles, 53 species of birds and five species of mammals. In Sudanur Mining site (Dharmapuri District), we recorded 222 species of flora, 25 species of butterflies, three species of dragonfly, one species of damselfly, 14 species of amphibians, 13 species of reptiles, 43 species of birds and six species of mammals. In Ajjanahalli Mining site (Dharmapuri District), we recorded 130 species of flora, 31 species of butterflies, six species of dragonfly, nine species of amphibians, 15 species of reptiles, 68 species of birds and four species of mammals. In Jakkery Mining Site (Krishnagiri District), we recorded 314 species of flora, 32 species of butterflies, 13 species of dragonfly, six species of damselfly, 11 species of amphibians, 19 species of reptiles, 74 species of birds and seven species of mammals. In Thandarampattu Mining site (Thiruvanamalai District), we recorded 160 species of flora, 27 species of butterflies, eight species of dragonfly, nine species of amphibians, 25 species of reptiles, 65 species of birds and four species of mammals. Among the recorded fauna, Common Sand Boa (*Gongylophis conicus*) and Bangalore Geckoella (*Cyrtodactylus srilekhae*), Yellow-throated Bulbul (*Pycnonotus xantholaemus*) and Asian Elephant (*Elephas maximas*) and Bonnet Macaque (*Macaca radiata*) are globally threatened.