

対象国水環境分野における開発ニーズ(課題)

- 急速な都市化に伴い、生活用水や飲用に用いられる表流水の生活排水による汚染が進行
- 下水道整備まで長期間が必要になっており、水環境や衛生環境が悪化
- 経済成長による所得格差の拡大により、下水道が整備されても環境水の良化には時間を要する

提案製品・技術

「バイオコード」の特長

- 汚濁成分の除去率が非常に高い
- 容積負荷が高く、より小さな面積で高効率に汚濁成分を除去可能
- 小面積であることから設置に要する費用も安価

調査概要

- 調査期間: 2023年5月～2024年1月
- 対象国・地域: インド国デリー市、プネ市、ハイデラバード市、グワハティ市
- 調査概要: 本調査では、下水道の普及が遅れており、水質汚濁の進行している都市河川の流入水路を対象に、水環境を改善するニーズに関する調査を行う。本調査後に高効率水環境改善システムのビジネス展開を図り、ひいてはインド国の水環境や衛生環境の改善への貢献を目指す。



バイオコードによる河川浄化

ビジネスモデル

- 河川浄化や生活排水対策に関与する政府機関との関係構築
- 民間企業やNPOからの受注を見込む営業展開
- 一定規模の受注が見込める段階になれば現地製造を行うことを想定

対象国に対し見込まれる成果(開発インパクト)

- 高効率な水環境改善施設の整備による河川の局所的な水質汚染問題の解消
- 水質汚染状況に応じた低コスト・高効率な水質改善計画の立案
- 浄化技術の運用および維持管理ができる人材の能力開発、技術の継承
- 新たなODA事業の創出

Development issues in the country/sector

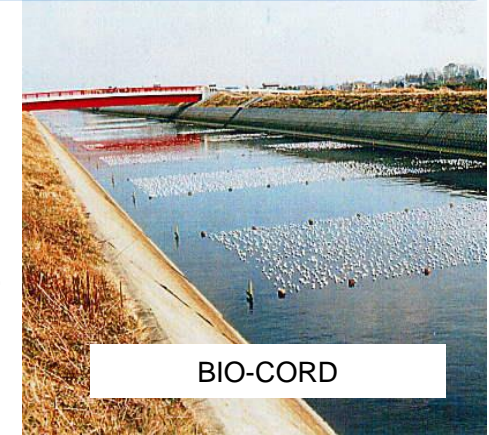
- Along with rapid urbanization, surface water used for domestic and drinking purposes is being polluted by domestic wastewater.
- It takes a long time to develop sewage systems, and the water and sanitary environments deteriorate.
- Due to the widening income disparity due to economic growth, it will take time to improve environmental water even if sewage systems are developed.

Products/Technologies of the Company

- < Key characteristics of “BIO-CORD” developed by TBR >
- The BIO-CORD was made to attach a larger quantity of microorganisms in water as efficiently as possible.
 - The BIO-CORD with large BOD loading volume works efficiently even it is installed at small space.
 - Installation of the BIO-CORD is inexpensive because of its workability in smaller areas .

Survey Outline

- Survey period: May, 2023~January, 2024
- Country/Area: INDIA
- Survey Overview: In this survey, we will investigate the needs to improve the water environment, targeting the inflow channels of urban rivers where sewerage systems have been slow to spread and water pollution is progressing. After this survey, we aim to develop the business of the efficient water environment improvement system and eventually contribute to the improvement of the water environment and sanitary environment in India.



Business Model

- Building relationships with government agencies involved in river purification and domestic wastewater measures
- Sales development in anticipation of orders from private companies and NPOs
- It is assumed that local production will start when orders of a certain scale can be expected.

Expected Social Impact in the Country

- Solving the regional water pollution problems of rivers by introducing this efficient system.
- Making plans about water quality improvement which are low-cost and highly efficient according to water pollution situation.
- Capacity development of operation and maintenance, and succession of this technology
- Making new ODA project.