

プラスチック製雨水貯留浸透施設の普及・実証事業 秩父ケミカル株式会社(東京都)

インドネシアの開発ニーズ

- ジャカルタ首都圏における雨水流出量の増加
- 河川の氾濫(外水被害)や雨水排除施設の能力不足による浸水(内水被害)
- 過剰な地下水取水による地盤沈下

これらへの対策が急務

普及・実証事業の内容

- 安価で簡便な工法として日本で多くの普及実績のあるプラスチック製雨水貯留浸透施設を設置
- 施設の設置効果をモニタリングすることにより、流出抑制効果を定量的に評価
- 開発行為に伴う流出抑制施設の設置に関する法令・条例等の制定を目指した検討

中小企業の技術・製品



浸透トレンチ型
プラスチック製雨水貯留浸透施設
ニュートレンチくん



プラスチック製雨水貯留槽
プラダムくん

インドネシア側に見込まれる成果

- 雨水の流出抑制による浸水被害の軽減
- 雨水流出抑制対策の継続的な普及に向けた関係者の理解促進
- 地下水涵養による地盤沈下の緩和

日本企業側の成果

現状

- 弊社製品の販路は国内に限定

今後

- インドネシアにおける販路開拓
- 合併事業を立上げた際には、製品のコストダウンが図られ、インドネシア国内のシェアを獲得
- JICA業務実績を広報・PRL、販路を拡充

Verification Survey with the Private Sector for Disseminating Japanese technologies for Building the Rainwater Runoff Control System Using Plastic Rainwater Infiltration and Storage Facilities

Chichibu Chemical CO., LTD., Tokyo, Japan

Concerned Development Issues in Indonesia

- Increase of Rainwater Runoff in DKI Jakarta
- External Water Flooding from River and Internal Water Flooding due to Poor Drainage
- Ground Sinking due to Excess Groundwater Intake

Implemented Activities in the Survey

- Installation of Plastic Rainwater Infiltration and Storage Facilities which has been promoted very much in Japan as a Cheap and Simple Construction Method
- Quantitative Estimation for Flood Control Effect by Monitoring the Effectiveness of Facilities
- Investigation towards Establishment of Law, Ordinance and Regulation etc. regarding Flood Control on Land Development

Proposed Products/Technologies



New Trench-kun



Pladam-kun

Survey Overview

Name of Counterpart:

Directorate General of Water Resources Development, Ministry of Public Works and Housing

Survey duration:

January, 2015 ~ September, 2016

Survey Area:

JABODETABEK, Indonesia

Impact on the Concerned Development Issues in Indonesia

- Mitigation of Inundation Damage by Flood Control
- Promotion of Understanding for Relevant People towards Continuous Improvement of Flood Control Measures
- Mitigation of Ground Sinking by Groundwater Recharge

Outputs and Outcomes of the Survey

- Opening up Market in Indonesia
- Promotion of Domestic Business by Cost down due to Establishment of Joint Venture Corporation
- Expansion of Market by Publicity and Public Relations on Experience of JICA Project