

Geotech/Sediment STEEL STRUCTURE DAM TYPES Steel Structures can be classified into open & closed type by their functions & features Steel slit dam type B Steel slit dam type T Debris flow section Open teel slit dam type A type Traction section Steel SB wall construction Structures method Debris flow section Closed Flexible steel frame type dam Traction ▲ 日鐵住金建材 section Japan Technology Fair on Disaster Risk Reduction | Technology Int

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TYPES OF STEEL SLIT DAM			
	Type A	Type B	Туре Т
		潮的	
Function	Capturing driftwood	Capturing debris flow / driftwood	Capturing debris flow / driftwood
Steel height	2.0m~5.0m	2.0m~7.5m	2.0m~12.0m
Steel pipe diameter	Φ400~	Φ500~	Φ400~
Examples	Over 350 units	Over 850 units	Over 50 units
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EXECUTIVE SUMMARY

 STEEL is an indispensable basic & convenient materials and products for Infrastructure all over the world.

Geotech/Sediment

- In response to the increasing threat of Natural Disasters (both frequency & severity), it is urgently required to adopt Best-fit Infrastructure Solutions, especially in Rural Area.
- In Asia, more focus is put on Environment both in Urban Area as well as in Industrial Area.
- NIPPON STEEL & SUMITOMO METAL group is highly motivated to contribute to the Infrastructure Development in Indonesia.

For more details : <u>http://ww.ns-kenzai.co.jp/english</u>

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Flood control Coastal Protection Geotech/Sediment Dam/Gate Observation/EWS WaterPollution

•We currently have five capsule models available or planned for manufacture and sale. Our model matrix defines the various models, including seating arrangements and other building seating arrangements and other sccool (capacity = 2 Adults sccool (capacity = 6 Adults sccool (capacity = 6 Adults sccool (capacity = 6 Adults sccool (capacity = 10 Adults

-SC10001 Capacity – 10 Adults
Bandard Pentree
Galdery Sonting with Four-Point Harness Straps
-Storage Space Guifficient for five day's supply per
person?
-Witer Storage (bladder or tark)
-Witer Storage (bladder or tark)
-GPS (Global Positioning System)
-Witer Global Light
-GPS (Global Positioning System)
-Air Ventilation Vents
-Capaule Storage Stand
-Basis, High's Visibility Unit Color
-Air Supply Tanks (one for each occupant)
-Hard Restraint Support
-Solid Watertight Marine Door (opens from inside and
outside)
-Standard Wandow

outside) •Marine Standard Window







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BM Co., Ltd. Since 1946 окуо SAKA Japan Technology Fair on Disaster Risk Reduction | Technology Introduction Geotech/Sediment Dam/Gate KANTOR PERWAKILAN

INDONESIA REPRESENTATIVE OFFICE GEDUNG PUSAT PERFILMAN H. USMAR ISMAIL LANTAI-3 RUANG 343 JLN. HR. RASUNA SAID KAV.C-22 JAKARTA SELATAN KODE POS 12940













Geotech/Sediment

Geotech/Sediment Soil Mixing Applications and Benefits Embankment Sinkage Protection (Wing Bit size : $\phi 1.0 \sim 1.2m$) • Roadway / Embankment Sinkage Protection · Soil Liquefaction Protection YBM Japan Technology Fair on Disaster Risk Reduction | Technology Introduction



Protection

• Retaining Walls















Flood Control Coast

- Reduction of assembling of reinforcing bar, installation of formwork and supporting work at construction site and dismantling work → reduction of dangerous work
- In fact that construction work can be easily mechanized, it is possible to greatly <u>shorten the</u> <u>construction term</u>
- Products with <u>stable quality</u>

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Flood Control



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Dam/Gate

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Delivery Records in Indonesia







Implant Structure For Disaster Risk Reduction

GIKEN Ltd

H. Yaegashi

6 December 2018









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GRB System+GYRO Press (Kitakyushu)









- The amount of steel material can be reduced because no members are subjected to big hydraulic load.
- Easy maintenance
- No water tight rubbers and no sliding parts which needs to be maintained.
- No water leak
- Air-lock succeeds in perfect water tight
- Less constraint of the control room
 Compressed air can be supplied into an intake tube through the air supply
 - pe.





Establishment January 29, 1963 Paid-up Capital 450 million yen (USD 5.6 millions) Number of Professional Staff 1,082 (As at Oct., 2018)

Dam/Gate Observation/EW

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Flood Control Coastal Protection Geotech/Sediment Dam/Gate Observation/E

Air-Lock W/LSelectable Intake



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Pland Lontrol Coastal Protection Geotech/Jediment Dam/Gate Observation/EWS Water Pollution





Sewerage and Urban Drainage IP-550 Denpasar Sewerage Development Project II Project Location: Ball House Connection (Tolet - House Intel - Sewer Pipe) House Connection (Tolet - House Intel - Sewer Pipe) House Connection (Tolet - House Intel - Sewer Pipe) House Connection (Tolet - House Intel - Sewer Pipe) House Connection (Tolet - House Intel - Sewer Pipe) House Connection (Copen Cut Method) Sewer Pipe Construction (Open Cut Method)





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➤ October-December2018







