



IIT MADRAS

Indian Institute of Technology Madras

Technology Transfer Office
TTO - IPM Cell



Industrial Consultancy & Sponsored Research (IC&SR)

SEMI-CIRCULAR BREAKWATER INTEGRATED WITH OSCILLATING WATER COLUMN

IITM Technology Available for Licensing

Intellectual Property (Design)

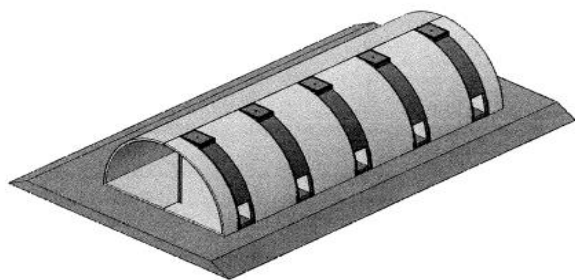
IITM IDF Ref. 2312;
Design No:357037-001 (Granted);
Class: 15-99

Technology/IP Category/ Market

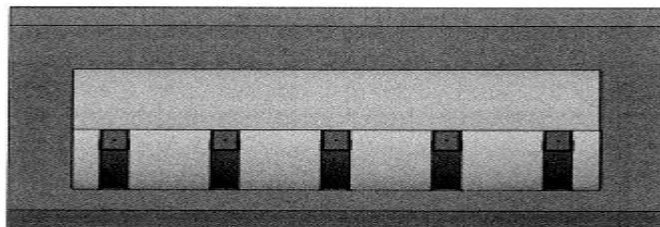
Design: Oscillating water column;
Industry: Renewable energy; **Applications:** Renewable energy, integrated coastal protection, renewable energy extractions;
Market: The global oscillating water column turbine market is projected to reach **\$28M by 2030**, growing at a CAGR of **4.3%** during the forecast period (2022-2030).

Design

- Present Design describes **semi-circular breakwater integrated with oscillating water column**. The different shape & configuration of the semi-circular breakwater integrated with oscillating water column is illustrated hereinbelow.

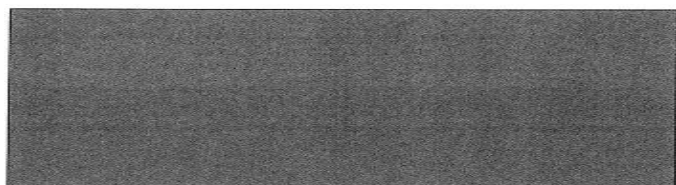


PERSPECTIVE VIEW

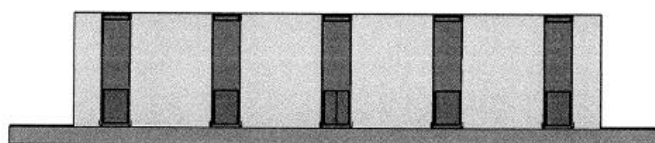


TOP VIEW

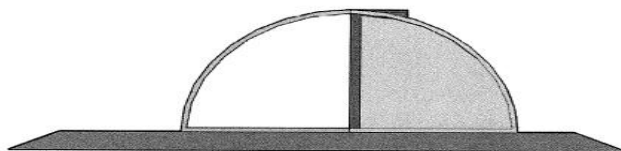
Images



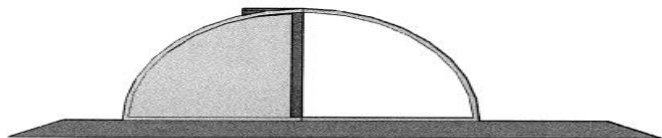
BOTTOM VIEW



FRONT VIEW



LEFT SIDE VIEW



RIGHT SIDE VIEW



REAR VIEW

TRL (Technology Readiness Level)

TRL-3, Proof of Concept ready & validated

Research Lab

Prof. Sundar V and Prof. Sriram,
Dept of Ocean Engineering

CONTACT US

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