

(12) PATENT APPLICATION PUBLICATION

(21) Application No.201941015161 A

(19) INDIA

(22) Date of filing of Application :16/04/2019

(43) Publication Date : 23/10/2020

(54) Title of the invention : ARMOUR ASSEMBLY SYSTEM FOR BREAKWATERS

(51) International classification :E02B0003060000,  
E02B0003140000,  
F41H0005020000,  
F41H0005040000,  
E02B0003040000

(31) Priority Document No :NA  
(32) Priority Date :NA  
(33) Name of priority country :NA  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No : NA  
(61) Patent of Addition to Application Number:NA  
Filing Date :NA  
(62) Divisional to Application Number :NA  
Filing Date :NA

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(57) Abstract :

Title: Armour Assembly System for Breakwaters The present disclosure discloses armour assembly system for breakwaters. The interlocking artificial concrete armour block or assembly is designed for protection of shores, harbor walls, hydraulic, maritime, breakwaters and other coastal structures from the direct impact of incoming waves. The armour wall design uses less no of armour assemblies in construction of wall with good strength and density to with stand wave energy. The concrete armour block is formed by plurality of tapered legs radiating from both ends of the cylinder. Such a plurality of projecting legs aids in increasing the surface roughness and friction thereby triggering the dissipation of wave energy. The armour assembly can be applicable as single layer armour assembly as well as double layer armour assembly. The armour assembly can be placed in both uniform and random patterns. The armour assembly enhances the speedy construction, harbor tranquility thereby considerably reducing the wave reflection.

No. of Pages : 28 No. of Claims : 10