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GOVERNMENT OF KARNATAKA

**Infrastructure Development, Ports & Inland Water Transport Department**

**Invitation for suggestions and innovative technologies to reduce or to solve Coastal Soil Erosion problem across the State.**

**DIRECTOR**

Infrastructure Development, Ports & Inland Water Transport Department, Karwar.

**Preamble :**

The Karnataka State has a maritime coastline of 309.59 kmsalong the 3 coastal districts of Uttara Kannada, Udupi and Dakshina Kannada. It is studded with 1 Major Port at Mangalore i.e., NMPT under the Ministry of Shipping and the following 12 Minor Ports under the State Government administrative control.

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| * Karwar | * Honnavar | * Hangarkatta |
| * Belekeri | * Manki | * Malpe |
| * Tadri | * Bhatkal | * Padubidri |
| * Pavinkurve | * Kundapur | * Old Mangalore |

Every year severe coastal erosion is causing huge concern all over the world. The rising sea level is also a matter of concern adding to the ravages of coastal erosion. The consequential loss of land area is creating an alarming situation and both the developing and developed countries are adopting various technologies to contain this problem. Barring a few technologies like Tetrapod, Groynes etc, no fool proof, long term and cost effective solution could be found till date. Several thousands of crores of rupees are spent annually by various governments across the globe to mitigate the problem of coastal erosion.

The Coastline of Karnataka faces severe Coastal erosion during monsoon months and Cyclones. Sustainable coastal protection works have been executed with the assistance of ADB and State grants. Nevertheless, severe erosion is noticed along the coast damaging the public and private properties along the shore.

In order to explore a breakthrough technology to contain or solve this problem by triggering the scientific minds, Ports & Fisheries Dept, Government of Karnataka intends to call for new, long standing and cost effective solution to combat this problem.

It is therefore proposed to invite various scientific organizations, Technical bodies, Technical Institutions, Professional Consultants and Individuals to invent or suggest any New or Breakthrough technologies to reduce or solve the problem of coastal sea erosion.

Any Institute or Individual can offer one or more technology. The suggestion should be accompanied by a Technical write up, Sketches as well as the probable cost per km of coast length.

The adoptability and efficacy and the effectiveness of the proposed technology shall be got evaluated for its suitability for adoption by a Technical Committee formed by the Govt.

The best technology will be taken up for implementation on a trial basis for a length of 1km of Coastline to study the Technology and to make minor changes that may be made by experts to improve its performance.

Based on these studies, the Government, if it finds the technology useful, may place its order to the selected agency for implementation across the state.

All research institutions and individuals are requested to participate in this research programme and offer their valuable solution to solve this problem.

You are not only creating new cost effective solution to this vexing problem but also serving the mankind across the globe with your innovative solution. The Technology or Invention shall reach the Office of the Director, Ports and Inland Water Transport Dept, Karwar – 581302 latest by 18/11/2021. There is no fee charged in this regard and all are welcome to give their suggestions and New Technologies.

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