



MITIGATION of Sea Level Rise (SLR/ GMSLR) with Two/2 WIPO Green Technologies

Concept note

Keywords: Climate change Global warming Sea water level Coastal cities Islands Flooding Future generations

Abstract: Based on a 'Think Paper' of Institute of Civil Engineers (UK) & Royal institute of British Architects along with the precedent set by Singapore, this concept paper describes the Technical process for countering or mitigating the risk of flooding due to Sea Level Rise (SLR/ GMSLR), for all low lying islands, coastal cities states etc. This is by adopting pro- active measures like constructing Coastal Defenses & Land reclamation at an elevation through Recycling of Solid Waste using Two (2) WIPO Green Technologies (International Patents examined).

Introduction: Countering the Real & Present hazard of Sea Level Rise (SLR) is accomplished by using another hazard ie. e-Waste accumulation, thus reducing/ eliminating the Solid Waste/ litter pollution in Landfills through implementation of our Two/2 innovated WIPO Green Technologies which recycle e-Waste, Plastics etc. for use as Construction/ manufacturing resources ref <http://tinyurl.com/ng7m6mp> vide. Patent application 1714 & 1746 /MUM/2012, International Patent applications PCT/IN2013/000244 & 245, USPTO 14/405,900 dt. 05/12/2014.

Description: The whole operation is to Construct Land that is higher than the rising Sea level, with reference to: 1) Strategy outlined in **Think piece** of 'Royal institute of British Architects & institution of Civil Engineers (iCe) that *We need To Turn a negative ProBLEM inTo soMeThinG positive* ref. RETREAT, DEFEND, ATTACK ? HULL attacks Pg. 10 & PORTSMOUTH attacks Pg. 13 http://www.buildingfutures.org.uk/assets/downloads/Facing_Up_To_Rising_Sea_Levels.pdf

2) Height of all new reclamation must be 2.25 metres (7.5 feet) above the highest recorded tide level - a rise of a metre over the previous mandated minimum height – by Singapore. ("Singapore raises sea defences against tide of climate change" - ref. <http://www.reuters.com/article/uk-climate-singapore-idUSLNE80Q00J20120127>.

Bricks, Boulders, Pre-fabricated Blocks, Beams can be manufactured from various categories of Solid Waste i) Generated & in ii) Landfills, in time period of 24 -to 36 hrs for preparing/ building: **Land reclamation at an elevation & Coastal/ beach defenses viz. 1) Rock armour and breakwaters 2) Gabion & Groyne (rigid hydraulic & containment structures) 3) Seawall 4) Sea dike 5) Revetments 6) Artificial islands etc.**

For ensuring safety of the Future Generations this proposal is for elevation of Ground level &/or building Ocean Defenses like Sea Walls, Sea Armor, Gabions, Revetments etc by using both WIPO Green Technologies on the Solid Waste in various Landfills/ dumping grounds.

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Re-inforcing Environmental Sustainability with Constructive Utilization of Waste

Tax application no. AAOFR8333FSD001, LLP no. (MCA): AAB-0737, Dt.21st August, 2012, Income Tax (PAN): AAOFR8333F

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By being Pro-active, all sections of Society including the underprivileged will benefit if initiative is taken now to deal with the expected hazard of present rise in Sea levels before its too late & become more difficult.

The vital significance of both ESTs has been highlighted as Climate Change mitigation is also possible with the reduction of Deforestation due to Wood/ Timber substitutes, which contain Plastic,e-Waste/WEEE,etc. visit <http://rescuwearth.com/files/documents/ANX.1-SolidWaste-ClimatChngMitigatn.pdf>, as reduction in Deforestation will help to create an additional carbon sink of 2.5 to 3 billion tonnes of CO2 equivalent through additional forest and tree cover by 2030 & reduce Emissions from burning of Agricultural Waste/ Solid Waste. Both ESTs are ready to be implemented & put to use directly or through 'Swiss Challenge method' with regard to the Chronic issue of E-waste and Plastics Management. It must be noted that this will also have Benefits such as:

1. create **EMPLOYMENT**,
2. lead to **enormous Savings**
3. re-inforce concept of '**Circular Economy**'.
4. more **Land area available for commercial, farming or residential purpose (due to partial/complete evacuation of Landfills)**
5. more **Land area available due to Land reclaimed from Sea (not a Territorial Gain, ref. UNCLOS).**

For Benefits/ advantages, visit http://rescuwearth.com/files/documents/ANX.3_EST_ADVNTG_BENEFITS.pdf.

Conclusion: This Environmental hazard can be overcome as we the Means, Materials & Method to do so.

Thanking you,

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Yours Sincerely,

New Delhi.

--Signed--

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