

# ICSI Inc.

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**PREVENTION OF  
DESERTIFICATION**

**BY**

**SAND STORM  
STABILIZATION**



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## Sand Storm Stabilization (To Prevent Desertification)

### Problem:



SAND STORMS are a major source of destruction in many cities around the world, family after family, city after cities becomes the victims of this natural enemy, in many cases the villages had to be evacuated and residence becomes homeless gypsies, in other cases it creates sever health problems and also causes severe property damage, houses are buried under sand, causes road closers, destruction of agriculture and interruption of daily life in major cities like Beijing and other Middle Eastern countries, which are known to every one.

Year after year the cost of repairs or replacement of damages caused by Sand Storms become a major burden on the governments and citizens in affected countries; loss of property, ancestors home land and leaving behind all life memories are not easy to forget either.

**So far the only practical way for the countries to partially prevent this crucial problem has been “MALCHING”; that is use of petroleum by-products such as used oil or tar to stabilize the land, under other methods, the use of chemicals, polymers, not biodegradable products and other not environmental friendly materials or fibers applied, which as a result, in the long run these approaches are more harmful to the earth and environment rather than solving any problem, therefore damaging the earth’s Ozone layer as well as underground water and the soil itself.**



## **Solution:**

The I.C.S.I. approach;

ICSI, has been involved in numerous studies to develop a combination of new techniques to assist in preventing the sand movement and at the same time reducing the wind speed as well as enriching the soil for future cultivation, several methods has been tested and as a result have developed a full program to solve all of the above problems.

**According to this approach, by using all natural and biodegradable and environmental friendly “FORMULA”, the underground water will not be damaged; soil will be enriched for future cultivations, and movement of sand will be totally stopped.**

As an enhancement part of this program, plantation of special bushes and new trees utilizing the ICSI unique technology of “ minimum irrigation requirement ” will help to reduce the speed of wind.

For this approach a new kind of biodegradable and environmental friendly formula is developed to bond the sand together, since this product is consist of all biodegradable and natural materials, therefore it will have a dual effect.

The 1<sup>st</sup> effect is to cure the main problem, which is to stabilize the movement of the sand problem, and the 2<sup>nd</sup> effect is acting as a fertilizer, enriching the land, and therefore preparing the soil for future cultivation.

This process of fertilization enables bushes, grass, or low maintenance greeneries grow in the desert and convert it into an oasis, solving the running sand / sand storm forever.

In addition, ICSI has invented another approach to keep the plantation of trees with minimum irrigation maintenance process, which must be used along with the 1<sup>st</sup> approach.

As a result, strong wind storms will slide over the bonded sand but will not be able to shift the sand from one location to another, beside, the trees will help to reduce the speed of the wind, and serving as a shelter for smaller bushes and greenery to grow in the desert.

## **Advantages:**

Following are few advantages of ICSI Environmental Friendly and Economical Solution, to this serious problem.

**Economical:** This approach is extremely economical and cost less than the current approaches, is very much easier to apply and longer lasting, applicable mostly in any kind of weather, rain or shine.



**Long Lasting:** The currently used tar is easily breakable under the claimant tempters change also once animal walk on these areas they create an un-repairable hole on the surface, therefore gradually sand will reappear through the hole; unlike use of tar, or other fiber films, our method can be applied in different strength levels, strong enough to allow animals and human walk over the covered area.

**Low Maintenance:** since this product is developed to be dissolvable in water, annual local rains will be it's natural maintenance process at no cost.

**Environmental Friendly:** This newly developed formula acts as Fertilizer with no negative impact on underground water, soil or atmosphere, while solving the running sand problems.

**Feasible:** Unlike Tar, there is no need of very high temperature equipment for mixing our product; it is easily applied on any surface in a very short time.

**Simple and convenient to apply:** sufficient amount of the Formula will be technically processed and mixed with water and sprayed over the needed area by high power water spray gun.

For further information and arrangement of a sale meeting please contact undersign.

Best regards.



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## Price List

It is extremely difficult to quote a flat rate for use of this formula, Several factors must be evaluated before a final cost commitment is issued; Few of the factors are: Availability of water in the area, distance from the city facilities for the crew transportation, area topography of the land, required strengths and type of the future usage of the land (more specifically, if human or animal will be walking over the covered area or it will remain untouched), and also depending on the size of total contracted area.

**Many factors are involved to evaluate the actual final cost. Our representatives will discuss each particular case by case to determine a reasonably economical cost.**

In addition, depending on the severity of the windstorms in the area and number of the trees required to be planted, cost of each tree plus handling charges and use of technology must be added to the above cost.

Governmental and local city permits along with payment for the associated costs will be the sole responsibility of customer and not part of the proposed cost.

Sincerely

Fred Faramarzi  
President

