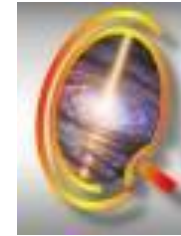


Person-Power for Defending Our Fundamental Right to Clean Air



Delonix Regia in full bloom, New Delhi



Dr Deshdeep Sahdev
Quazar Technologies

- I am NOT an expert on air-pollution

I am a teacher: a mentor of doers

I am an entrepreneur: I run a hi-tech
Physics Company

I am a citizen and patriot (Deshdeep)

I am a social activist

And I am **outraged** at the violation of my
Fundamental Right to clean air



??!*%? The Problem Statement

On monitoring (in Delhi) PM2.5 & other unsavories, we find PM2.5 ~ 200-400 day-after-day. The others are similar.

Bring PM2.5 down below 50, 24x7 365 days a year within say the next 5 yrs: No holds barred.

If the counts do **NOT** reduce, **NOTHING** has happened no matter how many awards or funding you get



Who Solves the Problem?

- Those with the ability & willingness.
Person-power?!@?

Does the Government have the person-power? One Player at best.

Capital comes in different forms:

Financial : Lots available

Technological : Epsilonic/Zero

Organizational: Negative

Where is the assessment coming from?



Let's Break It Down Further

- Monitoring: Equipment is prohibitive
Solution: Build it. **Personpower?!!**

Collecting, interpreting, conceptualizing the data, identifying sources and making the intelligence actionable. **Personpower ?&!!??**

Understanding the socio-political implications of & implementing the actionable intelligence. **Personpower?**



Experiments with Personpower

- **Black-box research on a shaky base**

Building electronic circuits

The Music Analogy

Building Technological & Educational
Capital, using system imperfections

A Solved Example: Delhi's Ridge.



It started with a walk a friend of mine & took thru the ridge (1996)



Move Counter-Move

- The DDA starts carving out a road

The Protection of Tree Act stays it

International Complex of 13 five-stars &
Fancy Corporate Offices

We synthesize a team: Kuldip Nayyar
(Journalist) --→ Justice Kuldeep Singh

Town Planners: Delhi's Master Plan is
sancified by an Act of Parliament



The British take over Delhi in 1804 & commission a map in 1807



Move Counter-Move (Cont)

- **Master-Plan: “ ... the Ridge & River will be preserved in their pristine glory”**

Bingo! The Law was being violated

We file a PIL in the Supreme Court

Part 1 of the Petition: Master-Plan etc

Part 2: Environmental Protection --- Water and Air.

We mobilize the Environs & the Press





The Hearing & Aftermath

- **Justice Kuldeep Singh hears the case**

Orders that an Environmental Impact Assessment be done by an authority he creates

“... the DDA may clean the area & plant trees”

CR Babu Zoologist DU takes over

The DDA & Grand Hyatt strike back

050 Ha: Hyatt, Malls, Institutions

042 Ha: In limbo

223 Ha: Bio-diversity Park. Success?

325 Ha: The Army builds its colony



The Forest Roars Back!



The ruthless Homo Sapien hands the area back to its co-owners





- If we have the right person-power the problem will disappear

The Problem is not so much one of lowering the count. It is one of creating the people who can lower the count

Money is about as much use as a billion dollars in hard cash would be on a desert island

I have grappled with this problem for over 20 years of mentoring at IIT Kanpur & am still grappling with it at Quazartech.



VASANT VIHAR - MAHIPALPUR RIDGE





