

Addressed to Honorable Finance Minister Smt. Nirmala Sitharaman Proposed Political Agenda - General Election 2024

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PROBLEM

Children & society call for urgent attention and comprehensive strategies to mitigate Delhi Air Pollution.

Children are impacted the most, the hazardous air with daily AQI of 150 plus and hazardous for four months, is having more impact on children than adults. It involves not only lungs - leading to respiratory disease and asthma but also heart and brain, leading to high risk of heart attacks and neurological conditions. It impacts their growth, disrupts their education, and makes them disoriented and disinterested for months in one go. They have disturbed sleeping patterns as they can't breathe while lying down and mostly stay up the entire night causing them to dysfunction the next day.

Reduced productivity, increased economic losses, increased healthcare costs, and a decline in tourism are just a few consequences. Businesses and industries are grappling with the challenges posed by the deteriorating air quality, thereby impacting their operations. The daily lives of citizens are disrupted as outdoor activities become hazardous, schools are forced to close, and recreational spaces/ food & beverage places/ cinema halls remain empty.

The time to act is NOW, for the sake of future generations who deserve a city that is vibrant, healthy, and environmentally sustainable.

SOLUTION

Subsequent to my White Paper addressed to Honorable Prime Minister on 4, February 2024, I am therefore enclosing a flow chart and valid documents we have acquired from specialists and study of the last one year.

Here is the explanation of the enclosed flow chart.

As a "Unveil Delhi Plan"Phuro Innovations is requesting for Policy/ Funding of Green Hydrogen & establishing an IGO as a sustainable solution to Delhi's Air Pollution. Both requests on implementation can produce immediate short term, mid-term and long-term results making New Delhi a model state for the world.

The AQI of Delhi touches hazardous levels, meaning we have no choice left but to step ahead of everyone else and embrace change.

Being the finance minister of the nation, it is therefore imperative for you to understand why you should allocate funds for Green Hydrogen and where you may divert those financial resources from.

As we understand from the study conducted by IIT Kanpur, the main pollutants which impact Delhi AQI are household consumption, transportation, construction/ dust, and open waste burning. Others add to this already harmful toxic air and make it hazardous.

UNVEIL DELHI

Plan By Rachna Sharma



Shift of average AQI to 100

Shift of average AQI from 500 to

OPTION A

Establish IGO

IMMEDIATE

OPTION B

Green Hydrogen Bank

OPTION C

Green Hydrogen Bank in Public & Private Partnership or Fully Privatised Bank

Enforce Peace Treaties Reduce Defence Budget and Reallocate Funds to Green Hydrogen Establish Green
Hydrogen Bank like
European Green
Hydrogen Bank
Allocate USD 3 Billion
seed fund

Bank will raise seed fund directly

Short Term 2 Years

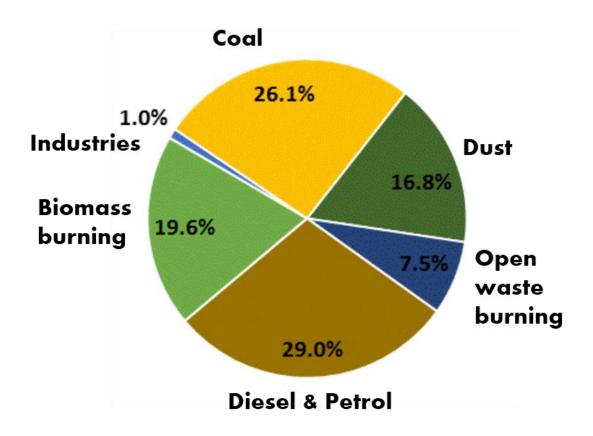
- Household
 Consumption
 (LPG, Kerosene
 Oil etc.)
- 2. Construction (Dust) Green Cement
- 3. Stubble Burning
- Open waste burning

Long Term 4 Years

Replace on-ground transportation

Railways, Trucks, Buses Green Hydrogen is sustainable long-term solution. See comparison.

STUDY BY IIT KANPUR



Factors contributing to Delhi Air Pollution

Phase One

When I studied this further, I defined a timeline to each factor, and realized that household consumption is solely dependent on LPG/ Kerosine Oil/ Coal and Cow Dung in remote areas, which can be easily replaced with Green Hydrogen Gas. **The LPG lines are already in place, which means the infrastructure is already** in place. We just have to start producing this gas for Delhi UT, to begin with. It will give us leverage that till the larger issue of stubble burning is solved, Delhi gets a breather in first year itself.

The storage system of Green Hydrogen is easily manageable, and the supply chain could remain the same. This is a low-cost change and doesn't require much effort on-ground either. This only needs the will of the government.

Phase Two

This would give us an opportunity to start a Green Hydrogen Bank, so we can further look at manufacturing or influencing automobile companies to create Green Hydrogen compatible engines. We already have a few in place, Honorable Minister Nitin Gadkari has already flagged some of them. If we can begin with replacing all trucks/ heavy transports/ public conveniences and railways which is a profitable PSU and just by replacing the engines, we could significantly reduce our carbon emissions. By doing so we could reach a breakeven point of lesser pollution which contributes to making the air hazardous.

This is a massive campaign and would require a lot more time, however this is very much possible. Infact, I would like to put this on record, this is the future. We have to accept the future rather than the future forcing itself on us. The choice is ours.

Simultaneously we can look at Green Cement, give a timeline to manufacturers and users to utilize the already made stock and start manufacturing the Green Cement. Once this becomes a RERA policy, the third contributor, construction and dust can come under control. I have already submitted a policy note to RERA on this.

Stubble and Open waste burning seem a much easier problem with a solution.

Providing farmers with alternative methods of managing crop residue such as mulching, composting, and vermicomposting can solve the stubble burning issue, by creating an ecosystem in addition to facilitating the connection of equipment owners with end-user industries such as **bio-energy plants**, **ethanol production**, **briquettes production**, **paper mills and chemicals among others**. The governments could create standing committees in each state as a mandate from the Centre and ensure this is implemented on-ground.

Phase Three

This is very critical for our region. Today we have entered a new energy era, the last energy era was of coal, this is about green energy.

We must tap into our full potential and establish an IGO, which has a bank associated with it. So far South Asia has survived due to nineteen most important treaties and post that there has been no activity in the

entire region due to which our defense budget is disproportionate and touches about USD 60 Billion per year.

The new treaties on peace and cooperation on developing Green Hydrogen and its usage can help us reduce the defense budgets, solve the climate change problem and we can allocate those finances to generate wealth. This IGO led by India, could change the face of South Asia, become a Green Hydrogen leader for the world to see and adopt.

Similarly, we could study different states and neighboring nations and implement Green Hydrogen, our savior from climate change and its repercussions.

While we begin our journey by creating Green Delhi, that could also become an example for the world. A first city which has adopted change and is ready to show light to this world; India to begin with.

This will solve the Delhi Air Pollution problem in less than 5 years.

REQUEST - WHY SHOULD YOU DO THIS

The next two years involve the biggest risk which the world will face
A global report mentions that climate related damage costs the world 16 million dollars per hour. We have
no system in place to measure this critical data for India.

Declining social mobility and increasing inequality are fueling frustration e.g. Delhi Air Pollution, could present an existential threat to political systems.

Interstate armed conflict could arise due to unjust policies on air, environment and migration load due to mountain areas facing floods like situations and heavy rains.

At present environmental concerns dominate the risk and concern for next ten years, time is passing by, India must act and form an IGO to solve these problems.

While I understand that the Honorable Prime Minister may have other priorities due to which Delhi has not made it to his list so far. I also feel Prime Minister Modi is driven by a Value of Sanatan, which is VERAGYA, due to which he perhaps may not realize the pain a mother goes through when she feels powerless due to external problems which are not manageable by parents. Everyone wants to give the best upbringing to their kids, to bring them up with fresh air to breathe and a vibrant city.

Since our current Head of the state is devoid of feminine energy, which is essential at this point of change, he perhaps is unable to recognize the pain of parents whose children breathe poison every day in Delhi NCR region. While we know that Prime Minister Narendra Modi will come back in the third term, there is no one else who can solve this problem, so when he retires in his next term, he puts New Delhi on a path to recovery. He helps South Asia with the establishment of IGO and save future generations from climate change and its long term damage.

A noble cause of getting us to breathe fresh air thus also will be recognized worldwide.

While I say this, I mean good for our nation and Honorable Prime Minister Modi and his entire new government. We want him to pay attention to this request and there is no one better than you who can convince him.

Phuro Innovations is ready to take any responsibility/ any task that would require passion and knowledge to deliver this task on ground. We are ready to work with the government and solve this problem together.

Critical biodiversity loss, changes to earth systems, natural resource shortages, uncontrolled migration, loss of life, these are flashing ahead of us, and no one is sensitive enough to notice this. Nature is giving all signs, data is supporting these signs, we need sensitive governance at this point.

You are a mother yourself and have the compassion to relate to this bitter reality. I would thus request you to kindly try to convince the Prime Minister. We need to balance the masculine and feminine energy to arrive at a solution immediately.

The increasingly competitive global environment and a **non-existing intergovernmental / intra-regional governance/ IGO will lead towards more severe longer-term risks** with no one taking responsibility for it.

Please give us fresh air in New Delhi. Unveil Delhi.

PS - Source IIT K - March McLennan & Zurich Insurance Group, WEF Data, Enapter

ENERGY STORAGE COMPARISON

Characteristics





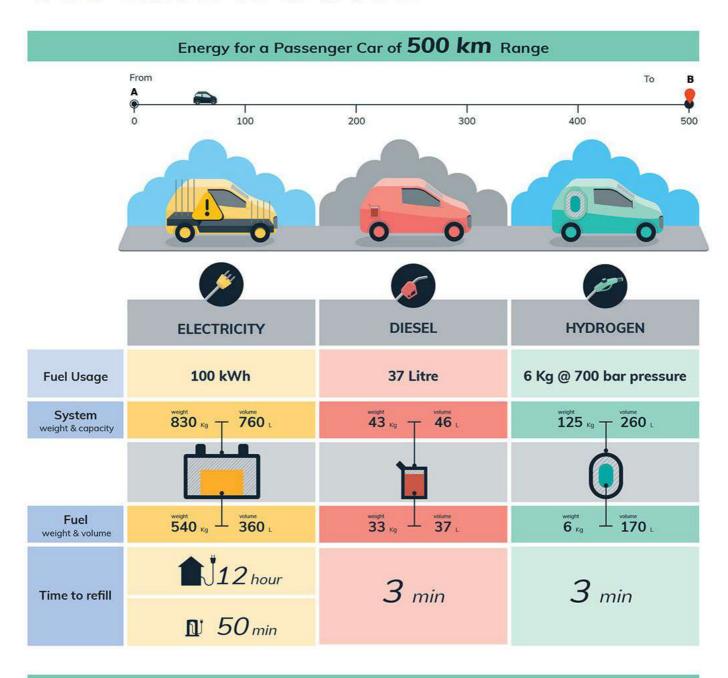


	BATTERIES	DIESEL	HYDROGEN STORAGE
Energy density	0.05 kWh/kg	13 kWh/kg	33.3 kWh/kg
Safety	Complicated management system Small window of safe operation condition	Safe and easy to handle	Safe and easy to handle, similar to CNG, LPG, etc
Environmental impact	Some dangerous materials, no recycling concept for lithium battery enabled	Dirty, noisy	No concerns
Degradation	Degrades happen, performance drops over time, required replacement every few years	High maintenance, short lifetime, frequent replacement	10,000hr+ 100 years tank Degrades slowly, 10,000hr+ lifetime for machines, 100 years for steel tanks
Strorage time	Loses charge over time	Diesel will degrade through time within 6-12 months	Can store energy indefinitely

Applications



VEHICLE COMPARISON FOR 500 KM DISTANCE



Recycle and Environmental Issue				
	BATTERY	DIESEL TANK	HYDROGEN TANK	
Life span of energy source	Short	Long	Long	
Recyclability	Difficult disposal	Can recycle the tank	Can recycle the tank	
Carbon emission	0 emission locally	500km will give 6.6 kg of CO2 emission	0 emission locally	

SETTING UP ENERGY STATIONS WITH DIFFERENT ENERGY SOURCES

