

TECHNICAL

PROPOSAL

TECHNICAL ENGLISH-II

International Winter semester 2020-2021

-BIMAL PARAJULI
(20BDS0405)

DATE: 10th April 2021

**To: Secretary of the department of health,
population and environment.**

From: Bimal Parajuli

Re: Proposal to make a cleaner and healthier Kathmandu

SUMMARY

As we know that in late years, pollution level in Kathmandu has increased rapidly. Due to the extremely fast growing population and unmanaged urbanization, the pollution level in the city has gone beyond the limit of the people's surviving capacity.

Since, The air pollution level is really alarming and the city stands in one of the most polluted city in the world which is a matter of shame. Not just the air pollution but the water pollution and land pollution is also threatening. Rivers like Bagmati and Bishnumati have lost their natural flow and are clogged with the waste and sewage materials and are having difficulty flowing while the roadsides and parks are filled with solid waste which can be cleaned, recycled or reused. Eventually, due to this, people are suffering from various respiratory diseases and the life expectancy and productivity of the people is decreasing significantly.

To tackle this problem, I have come up with a set of plans and proposals so that we can make Kathmandu clean, tidy and healthy by bringing down pollution to safe levels and managing the solid, sewage and river wastes by taking set of appropriate actions against this. I hereby propose this action plan to make the Kathmandu city cleaner and better place to live in.

DESCRIPTION:

Technical Information:

We need to have the following infrastructures and facilities in order to properly execute this project:

- 300 road workers and cleaners distributed evenly to all the inner streets and main roads in Kathmandu.
- 50 street sweeper and mopper.
- 5000 dustbins (medium) 200 dustbins (large)
- 100 acres land for Waste management and recycling plant.
- Waste processing and energy production module (industrial).

Core and execution committee

Core committee:

This project will be directed and guided by a core group of people and officials who will be directly responsible to plan for the productivity of the project and making the best out of it. The core committee will be chaired by the **chief secretary of the department of health, population and environment of Nepal**. There will also be the experts and researchers of the respective field in the core team.

Execution committee:

While the execution committee will be responsible for the ground execution, it will consist of the department of road, transport, department of water resource and department of pollution control. Also, we'll have activists and experienced people in the concerned field in this team.

Schedules and Cost Estimation

Schedule:

The project is to be completed in the following schedule and time frame.

1st month: Spread awareness among the people.

2nd month: Install dustbins in selected area and help people use it effectively.

3rd month: Launch sweepers and moppers evenly in all streets during the night time and low traffic hours.

4th month: Start sewage management and filtering plants

5th month: Start the waste recycling and energy production plant.

6th month: Make the impact assessment and make any necessary changes if necessary.

Cost Estimation:

Since it is going to be a continuous and long term project, here I present the cost estimation for the first 6 months of the project.

COST FOR	Amount(in NRs)
Dustbins (medium)	5000*10000
Dustbins(large)	300*30000
Street sweeper trucks	50*50,00,000
Road workers and cleaners	300*6*40,000
Land rental cost	
Sewage management and filtering devices	100*100000
Energy plant cost	2*2,00,00,000
Other miscellaneous expenses	1,00,00,000
TOTAL	431000000

Since, the onetime expenses are covered here, the continuous running expenses would be much lower and covered by the energy produced by the plants.

And hence the project would be running in profit to the government and the people

CONCLUSION:

I am very excited about this new project. This is going to be very fruitful and helpful to the environment along with the people in Kathmandu. With the completion of this first phase of the project, there will be really significant improvements and achievements in the environment of the city and the city will regain its intrinsic beauty that was momentarily lost. People will be healthier, more productive and the place will be ideal for tourists.

With our hard work and dedication, we can really make a change and I would be proud to be a part of that change.

