



D.O No. MD-SBM/FG/31/2016

20 December 2016

Sub: Proposal for Bio-Remediation of Okhla dump and pollution prevention

Dear Sir,

As you are aware, the Government of India is implementing 'Swachh Bharat Mission' (SBM) since October, 2014 with the goal of achieving a Clean India by 2nd October 2019. A key component of the mission is to help cities across to manage Municipal Solid Waste (MSW) in a sustainable manner.

2. As per the Solid Waste Management Rules, 2016 one of the responsibilities of local authorities of census towns and urban agglomerations is to investigate and analyse all old open dumpsites and existing operational dumpsites for their potential of bio-mining and bio-remediation and wheresoever feasible, take necessary actions to bio-mine or bio-remediate the sites. In absence of the potential of bio-mining these sites are to be scientifically capped as per landfill capping norms to prevent further damage to the environment.
3. Dumpsite bioremediation in India has been successfully carried out in a number of cities including Nagpur, Durg and Gurgaon to name a few. From experience it has excellent potential and has several benefits including speeding up the natural clean-up process while treating the contamination in place, saving large quantities of soil, sediment or water from being dug up or pumped out of the ground for treatment.
4. It has come to our notice that Okhla currently has a dumpsite holding 60 lakh tonnes of waste covering 42 acres of land. Given the benefits, I request you to consider a pilot bioremediation of this dumpsite. Once proof of concept is established this can be scaled up to cover the entire 60 lakh tonnes of waste.
5. The team led by Ms. Raagini Jaain has carried out several such successful projects and is best suited to carry out this project for SDMC.

6. To carry out the above assignment Ms. Raagini Jaain's fulltime onsite presence would be needed for an average of 10 days in a month spread over a minimum of 3 monthly visits for which her costs will be Rs.1,60,000 per month. Apart from this, her Airfare (to and fro from Mumbai or elsewhere), boarding and lodging and local travel expenses are to be provided by SDMC. In addition, the leachate management bio-culture which is a proprietary item, will be provided by Ms. Jaain (this is site specific- @ Rs 300/- per litre, approx). For more information on the scope of work, approximate costs and requirements and pre requisites for carrying out the assignment kindly refer the enclosed proposal.

7. I look forward to your cooperation to kindly provide her and her team with the support necessary for the successful implementation of this project.

With Regards,

Yours sincerely,


(Praveen Prakash)

To:

Municipal Commissioner-SDMC

Copy To:

Mission Director-NCT of Delhi

Ms. Almitra Patel (Technical Advisor, MoUD)

Ms. Raagini Jaain (Resource Person, SBM)

Enclosed: Proposal for Bio-remediation of Okhla Dump and Pollution Prevention