



सत्यमेव जयते

भारत सरकार

Government of India

राष्ट्रीय परीक्षण शाला (पूर्वी क्षेत्र)

National Test House (Eastern Region)

ब्लॉक - सी पी, सेक्टर - ५, साल्ट लेक सिटी, कोलकाता - ७०० ०९१
Block-CP, Sector-V, Salt Lake City, Kolkata - 700 091

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ANNEXURE-1

Results of Chemical Analysis of Solid waste of Konnagar Municipality :

<u>Tested Parameters</u>	<u>Observed Value</u>
1. Moisture, % by weight	: 4.91
2. Colour	: Black
3. Odour	: No Odour
4. Bulk density (gm/cm ³)	: 0.73
5. Total organic carbon, % by weight	: 20.7
6. Total Nitrogen (as N), % by weight	: 1.11
7. Total phosphates (as P ₂ O ₅), % by weight	: 2.12
8. Total potash (as K ₂ O), % by weight	: 3.08
9. C : N ratio	: 18.65
10. pH	: 8.37
11. Conductivity (as ds/m)	: >4.0
12. Arsenic (as As ₂ O ₃), mg/kg	: Practically nil.
13. Cadmium (as Cd), mg/kg	: 2.23
14. Copper (as Cu), mg /kg	: 76.34
15. Chromium (as Cr), mg/kg	: 25.45
16. Mercury (as Hg), mg/kg	: 0.07
17. Nickel (as Ni), mg/kg	: 16.59
18. Lead (as Pb), mg/kg	: 27.1
19. Zine (as Zn), mg/kg	: 480

Tested by

Checked by

Approved by

Sayanatan Saha

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