



# SHRIRAM INSTITUTE FOR INDUSTRIAL RESEARCH

(A unit of Shriram Scientific and Industrial Research Foundation)

An ISO - 9001:2008 Certified Institute

## TEST CERTIFICATE

000375280

Issued to :

TIMARPUR OKHLA WASTE MANAGEMENT COMPANY PVT. LTD. J.O.No.  
OLD NDMC COMPOST PLANT,  
ADJACENT OKHLA SEWAGE TREATMENT PLANT,  
MATHURA ROAD, OKHLA,  
NEW DELHI - 110025-

ENV-678/AQ-DEC

Reg.No.

4227895

Date

31-12-2015

Your Ref.No.

GC-01 (REV-04)

PONO 4500002873

Kind Attn: MR VIRAT CHOWDHARY , -

Date

15.04.2015

Sample Particulars :

Ambient air sampling carried out by our representative as per details given below was received

### TEST RESULTS

- Name & address of the premises : M/s. Timarpur Okhla Waste Management Co. Pvt. Ltd.  
Old NDMC Compost Plant,  
Adjacent Okhla Sewage Treatment Plant  
Mathura Road, New Delhi-110025  
a) Plant Representative : Mr. Sandeep Dutt, Plant Head  
b) Product Manufactured : Power Generation by processing MSW
- Sampling Location : Centre of Park, near Canteen
- Date of sampling : 10.12.2015 to 11.12.2015
- Sampling started at (Hrs.) : 11:30 on 10.12.2015
- Sampling completed at (Hrs.) : 11:30 on 11.12.2015
- Actual duration of sampling (minutes) : 1440

### Results Table

S. No.	Parameter	Unit	Test Value	MoEF's NAAQ Standards	Protocol / Method
1.	Sulphur dioxide (as SO <sub>2</sub> )	µg/m <sup>3</sup>	11	Max. 80 µg/m <sup>3</sup> (24-hr.)	IS: 5182 (Pt-2) 2001 (Reaffirmed - 2006)
2.	Nitrogen oxides (as NO <sub>2</sub> )	µg/m <sup>3</sup>	69	Max. 80 µg/m <sup>3</sup> (24-hr.)	IS: 5182 (Pt-6) 2006 (Reaffirmed - 2009)
3.	Respirable particulate matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	444	Max. 100 µg/m <sup>3</sup> (24-hr.)	5182 (Pt-23) 2006 (Reaffirmed - 2009)
4.	Fine particulate matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	210	Max. 60 µg/m <sup>3</sup> (24-hr.)	SOP No. SR/EPD/Air Lab/01 dt.01.04.2014
5.	Ozone (O <sub>3</sub> ), µg/m <sup>3</sup> [8 hr-avg.]	µg/m <sup>3</sup>	182	Max. 100 µg/m <sup>3</sup> (8-hr.)	ISC, Method No. 417, ASTM:D5156-2008
6.	Particulate Lead content (as Pb)	µg/m <sup>3</sup>	0.22	Max. 1 µg/m <sup>3</sup> (24-hr.)	IS: 5182 (Pt-22) 2004 (Reaffirmed - 2009)
7.	Carbon monoxide (as CO) [8 hr-avg.]	mg/m <sup>3</sup>	1.1	Max. 2 mg/m <sup>3</sup> (8-hr.)	IS: 5182 (Pt-10) 1999 (Reaffirmed - 2009)
8.	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	46	Max. 400 µg/m <sup>3</sup> (24-hr.)	ISC Method -401
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	9.4	5 µg/m <sup>3</sup> , (Annual Avg.)	IS: 5182 (Pt-11) 2006 (Reaffirmed - 2009)
10.	Benzo (a) Pyrene (BaP)	ng/m <sup>3</sup>	Not Detected	1 ng/m <sup>3</sup> , (Annual Avg.)	IS: 5182 (Pt-12), By GC-MS
11.	Arsenic (As)	ng/m <sup>3</sup>	3.8	6 ng/m <sup>3</sup> (Annual Avg.)	ASTM:D4185-2006
12.	Nickel (Ni)	ng/m <sup>3</sup>	755	20 ng/m <sup>3</sup> , (Annual Avg.)	ASTM:D4185-2006

Detection Limit of BaP = 0.03 ng/m<sup>3</sup>

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D.O.R.: 11.12.2015

D.O.C.: 31.12.2015

*to selhatyia*  
AUTHORISED SIGNATORY  
(EMPLOYEE CODE 8171)