

Essel Infraprojects Ltd.

- Chairman: Dr. Subhash Chandra
- CEO: Ashok Agrawal
- Speaker: Harshad Joshi



Rights and responsibilities

We all are more than aware for our rights but not responsibilities.

What is available for a developer or Mun Corp ? A MIXED WASTE of 150 K tons to treat....

Are we (Indian Soc) doing real meaningful work towards WAR Against WASTE..

What are we doing ??

In real scenario if we need to treat the waste in raw form... what are the solutions available on commercial scale with workable cash flows....

Is there any exemplary option, which is commercially sustaining... to treat >500 TPD of waste than WtE ?

In such situation, for first attack on Waste.... Are we wrong in selecting WtE ??

Is there any space for experimentation ??

Agree to give opportunity to all technologies...But what is commercially viable ??

Other solutions like RDF and Compost.. ?? Want to see what is happening around ?

Essel Infraprojects -PALLAVARM MSW PROJECT



OVER ALL VIEW OF THE PLANT



DRYER AND HOT AIR GENERATOR



PRIMERY SHREDDER AND CONVEYORS TO DRYER



SECONDARY SHREDDER & CONVEYORS



MAGNETIC&EDDY CURRENT SEPERATOR



RDF PRODUCTION



COMPOST PRODUCTION



SLF



CVR Labs (P) Limited

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TEST REPORT

Issued To :

Essel Pallavapuram Tambaram MSW Pvt Ltd.
Vengadamangalam, Chennai.

SUBMITTED SAMPLE

Date of report : 01/06/2015
Received on : 30/05/2015
Commenced on : 30/05/2015
Completed on : 01/06/2015

Report Number : 15050139.01

Sample Description : Municipal Solid Waste

Sample Identification : RDF-A

Customer Reference : Test Request Form dated : 30/05/2015

S.No	Parameters	Protocol	Unit	Result
1	Ash Content	ASTM D 5373 - 2002	%	19.1
2	Calorific Value (Received Basis)	ASTM D: 240 - 02 (Reapproved 2007)	Kcal/kg	3465
3	Loss on Ignition @ 550°C (Dry Basis)	By Gravimetric Method	%	19.1
4	Moisture Content	By Gravimetric Method	%	7.9
5	Calorific Value (Dried Basis)	ASTM D: 240 - 02 (Reapproved 2007)	Kcal/kg	3822

**** END OF REPORT ****

Report Prepared by : P. Thenmozhi

For CVR Labs Pvt Ltd

Authorized Signatory

D.C. Benjamin
Lab Manager

The test results furnished relate to the sample received. This test report shall not be reproduced anywhere except in full without the written approval of the Laboratory



Plant commissioned on 15th May 2015

Waste Received	RDF produced	Compost produced
21,210 tons	7,094 tons	167 tons
RDF Sold	Quantity	
To cement Industry	1423 tons	
Compost Sold	Quantity	
To various sources	30 tons	

Recommendations



Challenges	Supports	Impact
Time constraints in Fixation of Tariff	Centralized Generic tariff/ subsidized tariff of Rs. 2 / unit over Bio Mass tariff for Power Generated from WtE Plants based on MSW.	Drastic reduction in execution time of the project. Mitigate uncertainty
Heavy Capital Cost (Extra features involved as Critical FGT+ LTP+ Critical ETP in MSW WtE Plants)	Grant VGF / Capex subsidies, tax rebates, customs and excise exemptions	Helps establish worldwide proven and reliable technology in India at faster speed
Large number of clearances i.e. EC/ CTE/CTO/Under Ground Water Board etc	Single Window clearance required with standard norms	Cut down in execution time

Recommendations



Present	Proposed	Impact
Negative tipping fee	Positive tipping fee	<ol style="list-style-type: none"> 1. ULB shares responsibility 2. Helps bankability 3. Helps sustain Opex/ Capex replacements
Approach to State PCBs/ CPCB for individual plant permissions (CTE, CTO)	Single window standard policy/ approval prior to concession agreement	Time to project implementation shortens drastically
No Standard Tariffs. Takes enormous time (6 -12 months) in filing & debating with State Regulators	Recommended INR 2 subsidy over maximum generalised bio-mass tariff determined by Central/ State Regulatory commission. Or CERC recommended tariff provisionally accepted	<ol style="list-style-type: none"> 1. Immediate funding 2. Faster Project implementation
Absence of long term vision with regards to Urban Infrastructure	WtE plants can help Municipalities in supporting their own power requirement.	Self sufficiency and sustainability



Thank You