

**List of Trial Runs Conducted For Co-Processing of  
Wastes in Cement Kilns**

<b>S. No.</b>	<b>Waste Co-processed</b>	<b>Name of the Cement Plant</b>	<b>Period of Trial Run</b>
1.	ETP Sludge (BASF India Ltd., Manglore)	M/s Rajshree Cement, Gulbarga, Karnataka	January, 2005
2.	Toluence Di Isocyanate Tar (M/s Narmada Chematur Petrochemicals Ltd., Bharuch)	M/s Gujarat Ambuja Cement Ltd., Kodinar, Gujarat	February, 2006
3.	Toluence Di Isocyanate Tar (M/s Narmada Chematur Petrochemicals Ltd., Bharuch)	M/s Lafarge India Ltd., Raipur, Chhattisgarh	May, 2006
4.	Tyre Chips	M/s Grasim Industries Ltd., Reddipalayam, TN	April-July 2006
5.	Paint Sludge (Automobile Sector)	M/s Grasim Industries Ltd., Reddipalayam, TN	April-July, 2006
6.	Refinery Sludge (M/s Chennai Petrochemicals Company Ltd., Chennai)	M/s Grasim Industries Ltd., Reddipalayam, TN	April-July, 2006
7.	ETP Sludge (Textile Industry)	M/s Grasim Industries Ltd., Aditya Cement Works, Shambhupura, Chittorgarh, Rajasthan.	May 2007
8.	CETP Pali Sludge	M/s J. K. Laxmi Cement, Sirohi, Raj.	December 2007
9.	Poly residue (SRF India Ltd., Bhind)	Kymore Works, M.P.	March 2008
10.	Plastic Waste	Kymore Works, M.P.	March 2008
11.	Phosphate Sludge (Toyota, Kirloskar, Motor Ltd., Bangalore)	Wadi works, KA	April 2008
12.	Chemical Sludge (Toyota Kirloskaar Motors Ltd., Bangalore)	Wadi works, KA	April 2008
13.	Phosphate Sludge (Ford India Ltd., Chennai)	Madukkarai, Works, TN	June 2008

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14.	Chemical ETP Sludge (Ford India Ltd., Chennai)	Madukkarai, Works, TN	June 2008
15.	n-Butanol Salt (Jubilent Organosys Ltd., Mysore)	Wadi works, KA	July 2008
16.	Spent Carbon (Hindustan Coca Cola Beverages Pvt. Ltd., Bangalore)	Wadi works, KA	July 2008
17.	ETP Bio Solid (Hindustan Coca Cola Beverages Pvt. Ltd., Bangalore)	Wadi works, KA	July 2008
18.	WTP Sludge (Hindustan Coca Cola Beverages Pvt. Ltd., Bangalore)	Wadi works, KA	July 2008
19.	Solar Evaporation Pond Sludge (Jubilent Organosys Ltd., Mysore)	Wadi works, KA	July-August 2008
20.	Oily Rags (Ford India Ltd., Chennai)	Madukkarai, Works, TN	December 2008
21.	Lead Zinc Slag	Grasim Ind. Ltd., Aditya Cement Works, Shambhupura, Chittorgarh, Rajasthan.	January 2009
22.	Grinding Muck (Kirloskar Toyada Textile Machinery Pvt. Ltd., Bangalore)	Wadi works, KA	February 2009
23.	Grinding dust (SKF India Ltd., Bangalore)	Wadi works, KA	February 2009
24.	Green Mesh with Resin (Suzlon Energy Ltd., Pondichery)	Madukkarai, Works, TN	March 2009
25.	Solid Waste Mix (GEPIL, Surat)	M/s Lafarge India Ltd., Raipur, C.G.	Sept. – Oct., 2009
26.	Liquid Waste Mix (GEPIL, Surat)	M/s Lafarge India Ltd., Raipur, C.G.	Sept. – Oct., 2009
27.	Liquid Waste Mix (GEPIL, Surat)	M/s Ambuja Cement Ltd., Kodinar, Gujarat	Nov., 2009
28.	Liquid Organic Solvent (Pharmaceutical industry)	M/s Grasim Industries Ltd., AP	Dec., 2009
29.	Solid Organic Solvent (Pharmaceutical industry)	M/s Grasim Industries Ltd., AP	Dec., 2009

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30.	Phosphate Sludge and ETP Sludge (Automobile Industry)	M/s Ultratech Cement Ltd., Aditya Cement Works, Shambhupura, Chittorgarh, Rajasthan.	March-April, 2010
31.	Spent Wash Concentrate (Shree Renuka Sugar Ltd., Belgaum)	M/s Rajshree Cement Ltd, Gulberga, Karnataka	June-July 2010
32.	Vaporub process waste (Sarvotham Remedies Ltd., Solan, H.P.)	M/s ACC Ltd., Gagal cement Works, Bilaspur, H.P.	February, 2011
33.	Spent Catalyst (I.O.C.L., Barauni)	M/s ACC Chaibasa, Jharkhand	March, 2011
34.	Waste mix liquid (Bharuch Enviro Infrastructure Ltd., Ankaleshwar, Gujarat.)	M/s Ambuja Cement Ltd., Kodinar, Gujarat.	May, 2011
35.	Waste mix liquid (Lupin Ltd., Ankleshwar)	M/s Ambuja Cement Ltd., Kodinar, Gujarat	July, 2011
36.	CETP sludge (Jodhpur Pradushan Niwaran Trust, Jodhpur)	M/s Shree Cement Ltd., Beawar, Rajasthan – 305901	September, 2011
37.	Waste liquid blend and waste solid blend (Colortex Industries Ltd., Surat, Gujarat)	M/s Ultratech Cement Ltd., Narmada Cement-Jafrabad Works, Amreli, Gujarat.	October, 2011
38.	PTA waste mix (M/s MCC PTA India Corporation Pvt. Ltd., West Bengal)	M/s Ambuja Cement Ltd., (Unit: Bhatapara), P.O. Rawan, Tehsil-Baloda Bazar, Distt. - Raipur, Chhattisgarh.	January, 2012
39.	Organic plating sludge & dyeing sludge ( M/s Y.K.K India Pvt. Ltd., Haryana)	M/s ACC Ltd., Lakheri Cement Works, P.O. Lakheri, Distt. Bundi, Rajasthan – 323 603	November, 2011
40.	Benzofuran (Kumar Organic Product Ltd)	Wadi works, KA	Feb.-Mar. 2012

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41.	Organic Residue	M/s Shree Cement Ltd., Beawar, Rajasthan.	Nov. 2011
42.	spent clay	M/s Shree Cement Ltd., Beawar, Rajasthan.	Feb.-2012
43.	spent carbon	M/s Ambuja Cement Ltd., Kodinar, Gujarat	Jan.-2012
44.	solid waste mix (Shivalik Solid Waste Management Ltd.,Nalagarh)	M/s Ambuja Cement Ltd., Darlaghat, Solan, HP	Dec.-2011
45.	Grinding waste, oil soaked cloth & ETP sludge (M/s Gillete India Ltd., Bhiwadi)	M/s ACC Ltd., Lakheri Cement Works, P.O. Lakheri, Distt. Bundi, Rajasthan – 323 603	Feb.-March 2011
46.	Acid Tar Sludge (M/s Bhilai Steel Plant., Durg)	M/s ACC Ltd., Jamul Cement Works, P.O. Jamul Cement Works, District – Durg, Chhattisgarh-490 024.	Jan. 2012
47.	Chemical ETP sludge ( M/s Syngenta India Limited, Goa)	M/s ACC Ltd., Wadi Cement Works, P.O.- Wadi-585225, Distt.-Gulbarga, Karnataka.	Mar. 2012
48.	Solid Waste Mix & Liquid Waste Mix (GEPIL, Surat)	M/s Ultratech Cement Ltd., Gujarat Cement Works, P.O. Kovaya, Taluka Rajula, Distt. Amreli, (Gujarat)-365 541	Jan. 2010
49.	Waste mix solid and low density waste mix solid (M/s GEPIL, Faridabad)	M/s Lafarge India Pvt. Ltd., Sonadih Cement	Sep., 2012

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		Plant, P.O.-Raseda, Distt. Baloda Bazar, Chhattisgarh	
50.	ETP Sludge (KEC International Ltd.)	Kymore Works, M.P.	Jan.-Feb. 2012
51.	waste/residues (sludge from process) and filters & filter material (M/s Petro Araldite Pvt. Ltd., Tamilnadu) Process residue (M/s Tagros Chemicals India Ltd., Tamilnadu)	M/s ACC Ltd., Madukkarai Cement Works Tamilnadu	Feb. 2012 [waste/residues (sludge from process) and filters & filter material]  Aug. 2012 (Process residue)
52.	Contaminated plastic waste (Board & Paper industries, Vapi, Gujarat)	M/s Ultratech Cement Ltd., Aditya cement works, Rajasthan	Oct. 2012
53.	Liquid Organic Spent Solvent (Pharmaceutical Industries)	M/s My Home Industries Ltd., Mellacheruvu, AP	Apr. 2012
54.	Incineration Ash (Tata Motors, Jamshedpur)	M/s ACC Chaibasa, Jharkhand	Apr. 2011
55.	Waste mixed liquid (distillation residue & process residue waste) (M/s Unimark Remedies Ltd.)	M/s Gajambuja Cement Ltd., Kodinar, Gujarat	July, 2013
56.	Waste/residue containing oil (National Engineering Industry)	M/s Shree Cement Ltd., Beawar, Rajasthan	October, 2012
57.	CETP sludge (Bhiwadi Jal Pradushan Niwaran Trust)	M/s Shree Cement Ltd., Beawar, Rajasthan	Oct.-Nov., 2012
58.	ETP sludge (M/s P&G Home products, Baddi)	M/s ACC Ltd., Gagai Cement Works, Himachal Pradesh	October, 2012
59.	CETP/IETP sludge (textile industry)	M/s Ultratech Cement Ltd., Reddipalayam Cement Works, Tamilnadu	May, 2013
60.	waste mix liquid & waste mix solid from M/s Recycling Solutions Pvt. Ltd. (Lessee of M/s Gujarat Enviro Protection	M/s Lafarge India Pvt. Ltd. Sonadih Cement Plant, Chhattisgarh	July, 2013

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	& Infrastructure Ltd., GEPIL, Panoli, Gujarat)		
61.	Paint sludge [M/s MSIL (Gurgaon & Manesar)]	M/s Ultratech Cement Ltd., Aditya cement works, Adityapuram, Rajasthan	April, 2013
62.	ETP sludge of M/s Godrej Consumer Product, Malanpur	M/s ACC, Kymore Cement Works, M.P.	June-July, 2012
63.	Plastic & Resin Waste (M/s GEPIL, Faridabad)	M/s Lafarge India Pvt. Ltd., Sonadih Cement Plant	September 16-20, 2013
64.	Distillation residue (M/s Gujarat Insecticides Ltd.)	M/s Ultratech Cement Ltd., Gujarat Cement Works, Kovaya, Amreli, Gujarat	May 24-28, 2013
65.	Process waste/residue (M/s Cheminova India Ltd.,)	M/s Ultratech Cement Ltd., Gujarat Cement Works, Kovaya, Amreli, Gujarat	May 28-June 01, 2013
66.	Drill cuttings (M/s Cairns India Limited)	M/s ACC Ltd., Lakheri Cement Works, Rajasthan	Sep. 17-21, 2013
67.	Mixed waste -waste tooth paste & ETP sludge in the ratio 8:1 (M/s Colgate Palmolive (India) Ltd., Goa)	M/s ACC Ltd., Wadi Cement Works, Gulbarga, Karnataka	Feb. 02-07, 2013
68.	Dismantled Lube/Fuel oil filter (M/s Diesel Loco Shed)	M/s ACC Ltd., Kymore Cement Works, MP	Jan. 20-27, 2013