



हिमाचल प्रदेश HIMACHAL PRADESH

05AA 016502

Memorandum of Understanding (MoU) for Co-processing of Plastic Waste from Designated Urban Local Bodies (ULBs), as per list at Annexure-A, at Ambuja Cement Limited, Darlaghat, Himachal Pradesh

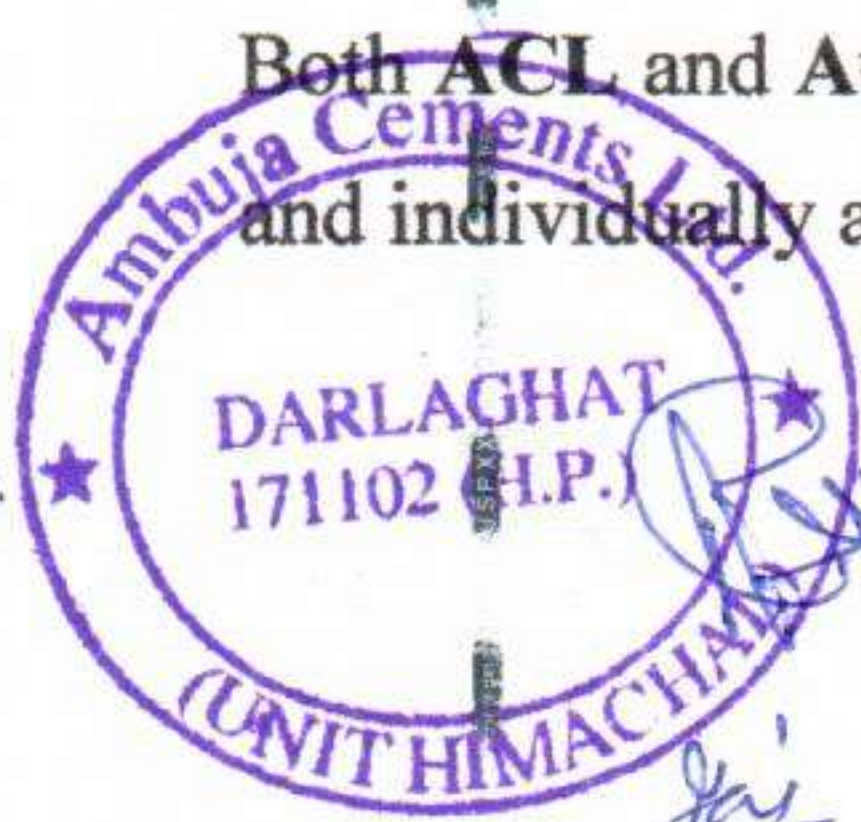
By and Between

Ambuja Cements Limited, a company incorporated under the Indian Companies Act of 1956 and having its Registered Office at **P.O. Ambujanagar, Taluka - Kodinar District – Gir Somnath, Gujarat- 362715** (hereinafter referred to as the “**ACL**” which expression shall, unless repugnant to the context, mean and include its successors and assigns) of the Other Part.

And

Designated Urban Local Bodies (ULBs) of Himachal Pradesh, through Director, Urban Development Department, Government of Himachal Pradesh (herein after referred to as “**Authorized signatory**”)

Both **ACL** and **Authorized signatory** shall be collectively addressed / referred to as “**the Parties**” and individually as “**Party**” herein after in this Agreement.



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WHEREAS,

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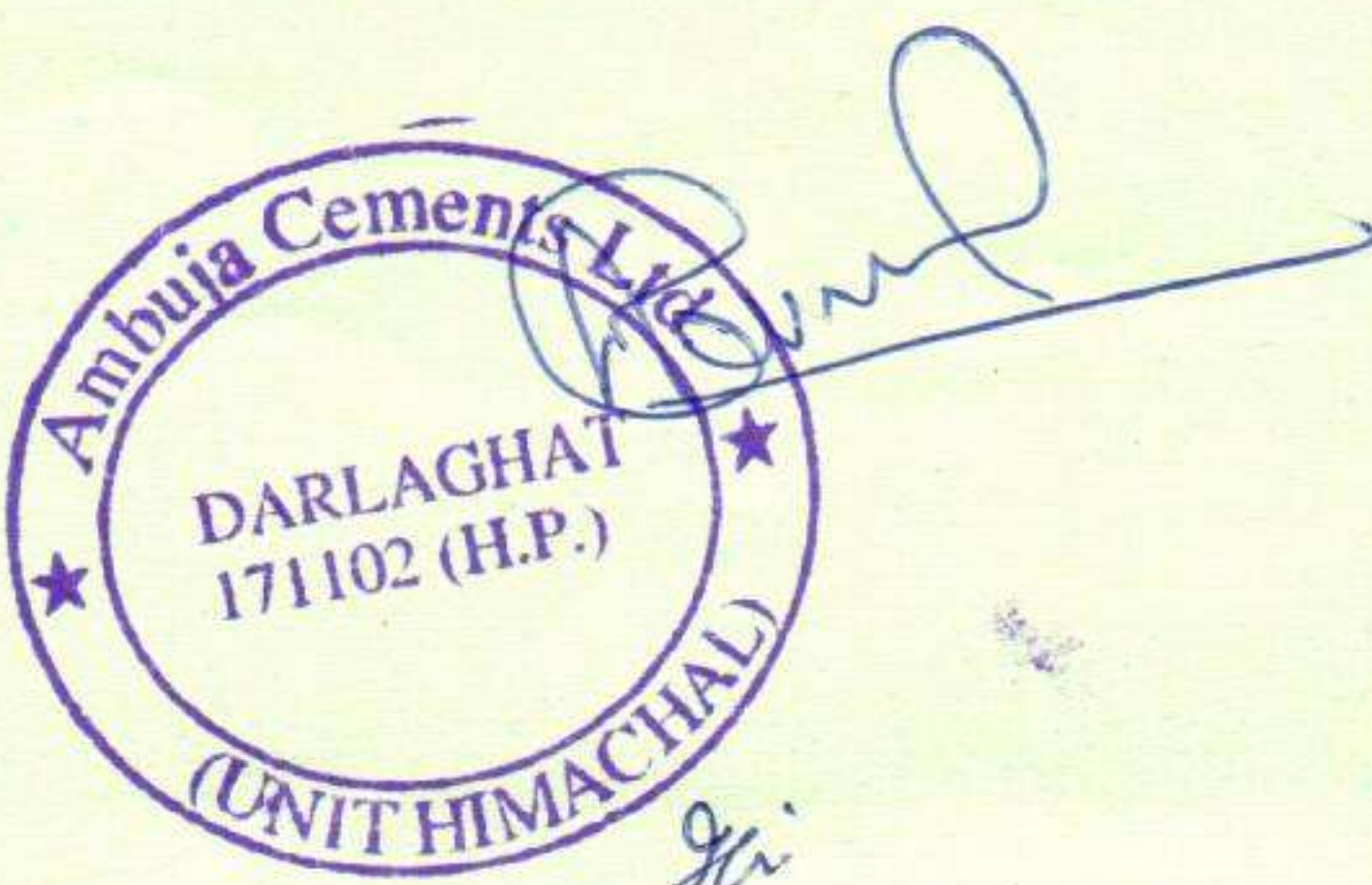
1. ACL is an associate company of LafargeHolcim which is the largest global cement company and has operations in more than 80 countries. LafargeHolcim is a pioneer and leader in co-processing of waste materials in cement manufacturing process and has been carrying out co-processing operations globally since 48 years to provide ecologically sound solutions for management of different wastes and to support the cause of sustainable development. LafargeHolcim is a founder member of the Cement Sustainability Initiative (CSI) of the World Business Council for Sustainable Development which was formed to help the cement industry to address the challenges of sustainable development;
2. ACL is now extending these co-processing services in the country to provide a safe and environmentally friendly method for the management of wastes to the industry and society.
3. Co-processing of waste in cement kilns refers to a complete end to end solution for the management and disposal of both municipal and industrial wastes. Due to the high temperature and long residence time in cement kiln all types of wastes can be effectively disposed without any harmful emissions. Co-processing is indeed a more environmentally sustainable disposal method as compared to land filling and incineration because of reduced emissions and no residue after the treatment.

Therefore, it relieves the waste generator of any future liability which may accrue due to waste disposal by processes like land filling and incineration; and provide the peace of mind.

This transaction is being initiated further to the meeting held with Addl. Chief Secretary (Env. Sc. & Tech.) to the Govt. of H.P. on 24th Sept, 2019 regarding co-processing of plastic waste generated in Designated ULBs, in ACL Darlaghat.

Designated ULBs collects community generated plastic waste and is interested in its disposal through environmentally sound technologies. Director, Urban Development Department, H.P has approached ACL to dispose the segregated plastic wastes through co-processing in the cement kiln at ACL Darlaghat

The Parties have decided to enter into this MoU to record their broad nonfinancial understanding regarding the aforesaid transaction as hereinafter appearing.



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NOW THIS MOU WITNESSES AS FOLLOWS:

Following shall be the responsibilities of ACL and Designated ULBs in the kiln co-processing activities of the Waste Material.

A. Responsibilities of Designated Urban Local Bodies (ULB):

- Designated ULB will segregate the dry waste into two parts i.e. recyclable and non-recyclable. Only non-recyclable material such as multilayered plastic, rags, single use plastic etc. shall be segregated which is Segregated Combustible Fraction (SCF).
- Moisture content shall not be more than 20%. As far as possible care shall be taken to send dry waste.
- Designated ULB shall pack the SCF in the packing material supplied by the cement company.
- After baling the SCF, bales shall be kept in dry and safe place for further transportation to cement plant and inform the cement plant nodal officer accordingly.
- Designated ULB will show to ACL representative the waste plastic generated in its Municipal Ward.
- Designated ULB shall collect, segregate, and ensure that the plastic waste is packed in polythene/ scrap cement bags of size around 700 x 450 mm, tie or seal the bags properly to avoid any leakage/fall off.
- Designated ULB shall keep the segregated combustible fraction (SCF) and inform the ACL nodal officer when it becomes a truck load (10 MT) for transportation
- Designated ULB shall ensure that the waste consignment delivered by them is in a form that is easily co-processable. If in case the waste is deemed to be non co-processable by ACL Darlaghat, the consignment will be taken back by concerned ULB at its own cost within a period of 2 days of informing about the rejection of such waste material.
- Designated ULB shall take all applicable statutory clearances as required for storage, handling of plastic waste at their site & its transportation to cement plant of ACL.
- Designated ULB shall follow all applicable Rules and Regulations as per Solid Waste Management Rules, 2016 and Pre & Co-Processing Guidelines 2017 for this MoU.
- Designated ULB shall follow Annexure B,C&D attached herewith this MoU.
- ULB shall obtain a receipt from the ACL cement plant, Darlaghat regarding handing over of the quantity of SCF on the following performa.



Name of ULB	Date	Quantity of SCF in Kgs	Vehicle no. in which waste sent to ACL	Signature of receiving by ACL representative

B. Responsibilities of Ambuja Cements Darlaghat for Co-processing:

1. ACL shall appoint nodal officer to communicate with Urban Development Department, H.P. and ULBs. The contact number of the nodal officer shall be shared with the UDD/ULB for communication.
2. ACL shall take all steps to supply packing material (Old cement Bags) to all ULBs free of cost and ensure that sufficient packing material is available with ULBs.
3. ACL shall make all necessary arrangements for transportation of SCF once in a week/month as per schedule to be notified by the ACL so that ULB shall make arrangement accordingly.
4. ACL shall survey the storage area used for storing plastic waste free of cost along with the Municipalities' representative, and confirm to Designated ULB that their segregated plastic waste can be safely disposed through co-processing at ACL Darlaghat, if provided in the size of 700x450mm bundles/bags.
5. ACL shall organize unloading and storage of the material at their plant.
6. ACL will take all steps to ensure that each consignment of waste is co-processable if they are accepted after testing and acceptance process.
7. ACL shall take all statutory clearances for unloading, storage and co-processing of plastic at its cement plant.
8. ACL shall carryout the regular co-processing of the waste materials by organizing the necessary resources.
9. If in case the plastic waste from Designated ULB is delivered to ACL Darlaghat in a form which seems unsuitable to co-process, ACL has an option to reject the consignment. In such a case ACL will inform the Designated ULB of the capricious consignment and return the consignment back to the same municipality at no cost and risk to ACL.
10. For the materials disposed by ACL during regular co-processing, ACL shall provide to Designated ULBs a certificate of disposal at agreed frequency mentioning the quantity of waste disposed for their records.
11. ACL shall provide packing material to designated ULBs.
12. The transportation arrangement will be made free of cost by ACL as backload of the trucks after returning from delivery of cement supply.



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- C. The parties shall comply with all the statutory requirements which may be specifically applicable to them in connection with this transaction. Each Party shall indemnify the other party against any demands, damages, claims, cost, expenses etc. claimed by any third party on account of violation of the terms of this Agreement and / or statutory noncompliance by such indemnifying Party.
- D. Both Parties agree that they shall have the option to terminate this agreement with a written notice of 60 days without attributing any reason for such termination.
- E. Further, the Designated ULBs agrees that it / its personals etc. will strictly follow the Safety policy and Rules of ACL as provided in Annexure D to this MoU.
- F. The Transport Unions will adhere to the Government decision to allow trucks carrying plastic waste from designated ULBs as backload.
- G. This MoU for Co-processing of Plastic Waste shall be valid for a period of **one year** i.e. until _____, 2020 as agreed by both parties, Authorized signatory and ACL, with an option of renewal with mutually agreed additional terms in writing as consented subsequently by both parties.

Dated on _____ day of _____, 2019 at Directorate of Urban Development,
Himachal Pradesh

For Designated ULBs

Director, Urban Development
Department, Himachal Pradesh

Witness I

(K.C. Gaur)
Joint Director in

Witness II

(Rajendra Chandra)
PO (UP)

For Ambuja Cements Limited

Unit Head - Ambuja Cements Limited,
DARLAGHAT
171102 (H.P.)
(UNIT HIMACHAL)

Witness I

Kundan Singh Bisht
Manager (Corporate Affairs)
Ambuja Cements Ltd. Shimla.

Witness II

Dev Lal
Assistant Officer (Corporate Affairs)
Ambuja Cements Ltd. Shimla.

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ANNEXURE A

List/ Names of Designated ULBs

S.No.	District	Name of ULBs
1.	Solan	Municipal Council Solan
2.		Municipal Council Nalagarh
3.		Municipal Council Parwanoo
4.		Municipal Council Baddi
5.		Nagar Panchayat Arki
6.	Shimla	Municipal Corporation Shimla
7.		Municipal Council Rohroo
8.		Municipal Council Rampur
9.		Municipal Council Theog
10.		Nagar Panchayat Narkanda
11.		Nagar Panchayat Chopal
12.		Nagar Panchayat Kotkhai
13.		Nagar Panchayat Jubbal
14.		Nagar Panchayat Sunni
15.	Kangra	Municipal Corporation Dharamshala
16.		Municipal Council Kangra
17.		Municipal Council Palampur
18.		Municipal Council Nurpur
19.		Municipal Council Nagrota
20.		Municipal Council Dehra
21.		Municipal Council Jawalamukhi
22.		Municipal Council Baijnath-Paprola
23.		Municipal Council Jawali



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ANNEXURE B

Results of analysis of Plastic Waste sent to ACL Darlaghat, Distt. Solan, Himachal Pradesh

The waste sample shall be sent by Designated ULB to R&D of ACL and it shall comply with the standards as mentioned below:

1. Plastic Waste Specifications: Plastic/co-processible Waste (as received)

Components	Plastic Waste
%Moisture (As recd.)	< 20%
CV (Kcal/Kg) (ODB)	>2,500

Note:

- Waste should be properly sealed and packed in bags as mentioned above in MoU.
- Waste should be consistent in terms of quality and similar to the samples send for testing to our lab.



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ANNEXURE C

List of Banned Items

The Plastic Waste dispatched by Designated ULB's Collection Area to the ACL's Cement Plant shall not contain any of the following items that are in the banned item list of ACL for Co-processing.

- Radioactive waste -(रेडियोधर्मीअपशिष्ट)
- Asbestos-containing waste -(अभ्रकयुक्तअपशिष्ट)
- Explosives and ammunition / weapons -(विस्फोटकऔरगोलाबारूद/हथियार, शस्त्र)
- Anatomical medical waste -(चिकित्साअपशिष्ट)
- Electronic fraction of electrical and electronic waste (e-waste)- (इलेक्ट्रॉनिककचरा)
- Whole batteries as a targeted material stream -(बैटरीआदि)
- Wet compostable waste -(गीलाखादयोग्यअपशिष्ट)
- Waste of unknown or unpredictable composition, **including unsorted/mixed municipal waste**-(अज्ञातयाअप्रत्याशितरचनाअपशिष्टतथामिश्रितनगरपालिकाअपशिष्ट)



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Health & Safety Policy

Ambuja Cement Limited is an Industry leader in the building materials industry.

We conduct our business in a manner that creates a healthy and safe environment for all stakeholders – our employees, contractors, communities and customers – built on a sound health and safety culture.

Health and Safety is our core value. We believe in visible leadership and personal accountability for Health and Safety at all levels and throughout our organization.

Nothing we do is worth getting hurt for.

Our Commitment

We will:

- Conduct our business with a goal of zero harm.
- Provide safe, healthy and secure work conditions for employees and contractors.
- Maintain a global Health and Safety Management System designed to continuously improve our performance and actively minimize risk in our business.
- Comply with applicable legal, regulatory, industry and corporate requirements.
- Communicate openly with all stakeholders on relevant health and safety issues.
- Empower all employees and contractors to stop any unsafe work.

Bimlendra Jha
Managing Director & CEO

**Ambuja
Cement**

Date of Issue: 1st March, 2019

