

हिमाचल प्रदेश HIMACHAL PRADESH

C 421103

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

By and Between

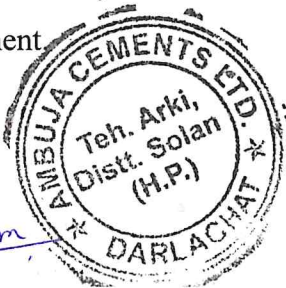

Ambuja Cements Limited of Adani Group, a Company incorporated under the Indian Companies Act, 1956, having its Registered Office at Adani Corporate House, Shantigram, Near Vaishnav Devi Circle, S.G.Highway, Khodiyar, Ahmedabad – 382421, Gujarat (hereinafter referred to as “ACL” which expression shall, 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”) of the second part of this MOU.

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

Director
Urban Development
Himachal Pradesh

WHEREAS,

Ambuja Cement, a part of Adani Group's Cement business, is the 2nd largest Indian Cement Company and has its manufacturing units spread all over the country. Adani Group is a pioneer and leader in coprocessing of waste materials in cement manufacturing process in its Cement Business and has been carrying out co-processing operations to provide ecologically sound solutions for management of different wastes and to support the cause of sustainable development.

Ambuja Cement has extended 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. 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 of specified quality, 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 residual material 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 regarding co-processing of plastic waste of specified quality, generated in Designated ULBs, in ACL Darlaghat.

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

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

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 ULB:

1. 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).
2. Specified quality of waste will be processed by Darlaghat unit in its plants (Rauri/Suli) with regard to moisture and size of waste material. Moisture content shall not be more than 20% and Size should be less than < 70 mm. As far as possible care shall be taken to send dry waste and less than the specified size.
3. Designated ULB shall pack the SCF in Jumbo/HDPE Bags.
4. In case of SCF Bailing, bales shall be kept in dry and safe place for further transportation to cement plant and inform the cement plant and inform the nodal officer accordingly.



5. Designated ULB will show to ACL representative the waste plastic generated in its Municipal Ward.
6. 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.
7. Designated ULB shall keep the segregated combustible fraction (SCF) and inform the ACL nodal officer when it becomes a truck load for transportation
8. 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.
9. 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.
10. 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.
11. Designated ULB shall follow Annexure B, C, & D attached herewith this MoU.
12. ULB shall obtain a receipt from the ACL cement plant, Darlaghat regarding handing over of the quantity of SCF on the following proforma.

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 ACL 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 share with the UDD/ULB for communication.
2. ACL shall take all steps to supply packing material to all ULBs free of cost and ensure that sufficient packing material is available with ULBs.
3. ACL shall survey the plastic storage area on free of cost basis along with the Municipalities' representative, and confirm to Designated ULB that they can be safely disposed through co-processing at ACL Darlaghat.
4. ACL shall organize unloading and storage of the material at their works.
5. ACL will take all steps to ensure that each consignment of waste is co-processable if they are accepted after testing and acceptance process.
6. ACL shall take all statutory clearances for unloading, storage and co-processing of plastic at its cement plant.
7. ACL shall carryout the regular co-processing of the waste materials by organizing the necessary resources.
8. If in case the plastic waste from Designated ULB is delivered to ACL Darlaghat in a form which could deem it 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.

9. For the materials disposed by ACL during regular co-processing, ACL shall provide to Designated ULB a certificate of disposal at agreed frequency mentioning the quantity of waste disposed for their records.
 10. The transportation arrangement will be made free of cost by ACL as backload of the trucks after returning from delivery of cement/clinker supply, as per the schedule informed by ULBs to ACL.
- 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 30 days without attributing any reason for such termination.
- E. Further, the Designated ULB agrees that it / its personals / transporters etc. will strictly follow the Safety policy and Rules of ACL as provided in Annexure D to this MoU.
- F. The Transport Societies of Darlaghat 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 **three years** i.e., until **31st December**, 2026 as agreed by both the Authorized signatory and ACL, with an option of renewal with mutually agreed additional terms in writing as consented subsequently by both parties.

Dated on 1st day of December, 2023 at Directorate of Urban Development, Himachal Pradesh.

For Designated ULBs

Director
Urban Development
Himachal Pradesh

Director, Urban Development Department,
H.P.

For Ambuja Cements Limited

Unit Head of Ambuja Cements Limited

Unit Head of Ambuja Cements Limited

Witness

1. ACLs
(Regist. Unit)
DO ID

2. Ajmer
(Dr. AJA KUMAR)
(Water Sector Expert)

Witness

1. Hem Raj Sharma

2. D. N. Khanase



ANNEXURE A

List/names of Designated ULB

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

Director
Urban Development
Himachal Pradesh



ANNEXURE B

Results of analysis of waste sent to ACL Cement plant Darlaghat, Solan, Himachal Pradesh

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

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

Components	Plastic Waste
% Moisture (As recd.)	< 20%
CV (Kcal/Kg) (ODB)	>2500
Size	< 70 mm

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.

Director
Urban Development
Himachal Pradesh



ANNEXURE C

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

- Radioactive waste - (रेडियोधर्मी अपशिष्ट)
- Asbestos-containing waste - (अभ्रकयुक्त अपशिष्ट)
- Explosives and ammunition / weapons - (विस्फोटक और गोलाबारूद / हथियार, शस्त्र)
- Anatomical medical waste - (चिकित्सा अपशिष्ट)
- Electronic fraction of electrical and electronic waste (e-waste) - (इलेक्ट्रॉनिक कचरा)
- Whole batteries as a targeted material stream - (बैटरी आदि)
- Wet compostable waste - (गीला खाद योग्य अपशिष्ट)
- Waste of unknown or unpredictable composition, **including unsorted/mixed municipal waste** - (अज्ञात या अप्रत्याशित रचना अपशिष्ट तथा मिश्रित नगरपालिका अपशिष्ट)

✓
Director
Urban Development
Himachal Pradesh



ANNEXURE - D

Health and Safety Policy of ACL

**Ambuja
Cement**

adani
Cement

OCCUPATIONAL HEALTH & SAFETY (OH&S) POLICY

Ambuja Cements Limited, part of the diversified Adani Group, is India's foremost manufacturer of cement and building material, with countrywide network of manufacturing infrastructure, mines, waste management platform and office establishments. We conduct our business in a manner that creates a sustainable, healthy and safe environment for our employees, business associates, suppliers, visitors, customers and communities.

We firmly believe that Occupational Health & Safety (OH&S) is a business imperative to achieve our purpose of **commitment to building nations with goodness**. We work with belief that **Zero Harm** is achievable and **'nothing we do is worth getting hurt for'**. Employee engagement and involvement is key to create, promote and sustain the culture of **"We Care"** which is vital to achieve our growth and sustainability ambitions.

To meet our commitment, we shall:

- Promote the concept of safety leadership wherein each one demonstrates visible personal commitment towards safety and wellbeing of everyone around us.
- Work with fundamental belief that all injuries and occupational illness can and must be prevented. Working safely is a condition of employment at our business operations.
- Integrate OH&S aspects in our decision-making process throughout the business life cycle.
- Comply and sustain with applicable legal, regulatory, industry and group OH&S requirements.
- Ensure all employees and business associates are competent to perform their tasks safely by giving them adequate training.
- Apply risk management principles to assess and reduce vulnerabilities through hierarchy of controls in operational, infrastructural, and behavioral risks.
- Set annual objectives and target to continually strengthen OH&S assurance through audits, compliance monitoring and timely action closure.
- Report all incidents, investigate, and implement control measures to prevent reoccurrence across our business operations.
- Provide adequate resources to ensure continual improvement of OH&S performance.
- Empower every employee and business associate to stop any unsafe work.

The Policy shall be communicated and made available to all our employees, business associates, suppliers, visitors, customers, and other stakeholders. We shall seek accountabilities at various levels to ensure safe and sustainable business performance.

Any violation or breach of this policy shall be dealt with procedures framed by the Company from time to time. This policy shall be reviewed periodically for its suitability and relevance to our operations and updated as deemed necessary.



Ajay Kapur

Chief Executive Officer
Cement Business, Adani Group

Date: 24th June 2023

Director
Urban Development
Himachal Pradesh

