

08 DEC 2023

Directorate of Urban  
Development, (H.P.)

04/12/2023  
Director  
AD/ID  
JC (F&A)  
XEN/USA  
S-1/P.O./LO  
Sh. Arora

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

By and Between

Cement Corporation of India (Unit- CCI Rajban, Post Office- Rajban, Tehsil- Paonta Sahib, Distt- Sirmour, Himachal Pradesh- 173028), a company incorporated under the Indian Companies Act, 1956 and having its Registered Office at Core-V, SCOPE Complex, 7- Lodhi Road, New Delhi – 110003 (hereafter referred to as the "CCI Rajban" which expression shall, unless repugnant to the context, means and include its successors and assigns) of the first part of this MOU.

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 CCI and Authorized signatory shall be collectively addressed / referred to as "the Parties" and individually as "Party" herein after in this Agreement.

WHEREAS,

CCI Rajban is a flagship company of CCI, continuously striving to play a key role in finding the effective and responsible ways to preserve the environment - a Cement Sustainability Initiative.

Co-processing of waste in cement plant refers to a complete end to end solution for the management and disposal of both municipal and industrial waste. Due to the high temperature in furnace RDF can be effectively disposed off without any harmful emission. Co-Processing is indeed a more environment suitable disposal method as compared to land filling and incineration because of reduced emission and no residue after the treatment.

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*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 between Director, Urban Development Department, Himachal Pradesh and CCI Rajban representative on 08<sup>th</sup> Oct, 2020 through Video Conference regarding co-processing of plastic waste generated in Designated ULBs, in CCI cement furnace at Rajban.

Designated ULBs collect community generated plastic waste and is interested in its disposal through environmentally sound technologies. Director, Urban Development Department, H.P. has approached CCI to dispose the segregated plastic wastes through co-processing in the furnace at CCI, Rajban.

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

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

**NOW THIS MOU WITNESSES AS FOLLOWS:**

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

**A. Responsibilities of Designated Urban Local Bodies (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 sent for co-processing as Segregated Combustible Fraction (SCF).
2. Moisture content shall not be more than 20%. As far as possible care shall be taken to send dry waste.
- ✓ 3. Designated ULB shall pack the SCF in the packing material supplied by the cement company.



*[Signature]*



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4. 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.
5. Designated ULB will show to CCI 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 1 x 1 ft., 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 CCI 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 CCI, 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 CCI.
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 CCI cement plant, Rajban regarding handing over of the quantity of SCF on the following performa.

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*[Handwritten signature]*





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

**B. Responsibilities of CCI, Rajban for Co-processing:**

1. CCI 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. CCI shall make all necessary arrangements for transportation of SCF once in a week/month as per schedule to be notified by the CCI so that ULB shall make arrangements accordingly.
3. CCI 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 CCI, Rajban if provided in the size of 1 ft. x 1 ft. x 1 ft. bundles/bags.
4. CCI maximum requirement and consumption will depend entirely on plant operation and requirements.
5. CCI shall organize unloading and storage of the material at their plant.
6. CCI will take all steps to ensure that each consignment of waste is co-processable if they are accepted after testing and acceptance process.
7. CCI 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 CCI Limited's Rajban plant in a form which seems unsuitable to co-



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process, CCI has an option to reject the consignment. In such a case CCI Limited will inform the Designated ULB of the capricious consignment and return the consignment back to the same municipality at no cost and risk to CCI.

9. For the materials disposed by CCI during regular co-processing, CCI shall provide to Designated ULBs 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 CCI as backload of the trucks after returning from delivery of cement supply or other suitable mode.
- 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 ULBs agrees that it / its personals etc. will strictly follow the Safety policy and Rules of CCI 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.



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G. This MoU for Co-processing of Plastic Waste shall be valid for a period of three year i.e., until December, 2026 as agreed by both parties, Authorized signatory and CCI Limited, with an option of renewal with mutually agreed additional terms in writing as consented subsequently by both parties.

Dated on 10<sup>th</sup> day of December, 2023 at Directorate of Urban Development, Himachal Pradesh

For Designated ULBs

Director  
Urban Development  
Himachal Pradesh

Director, Urban Development  
Department,  
Himachal Pradesh

Witness I  
(Rajesh Chohan)  
R.O, U.D.

Witness II  
(Ajay Kumar)  
WW&BBM  
UDD, M.D.

For CCI Limited

GM CCI Rajban  
GENERAL MANAGER  
Cement Corporation of India Ltd.  
Rajban Cement Factory  
Distt. Sirmour H.P. 173022

Witness I  
CATUL Sharma  
(CSM opns)  
Cement Corporation of India Limited  
Rajban Cement Factory  
Distt. Sirmour (H.P.)  
PIN - 173016

Witness II Sanjay Kumar  
DM (Prod)  
Cement Corporation of India Limited  
Rajban Cement Factory  
Distt. Sirmour (H.P.)  
PIN - 173016



ANNEXURE A

List/ Names of Designated ULBs

S. No.	District	Name of ULBs
1.	Sirmaur	Municipal Council Paonta Sahib
2.		Municipal Council Nahan

ANNEXURE B

Results of analysis of Plastic Waste sent to CCI, Rajban, Himachal Pradesh

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

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

Components	Plastic Waste
% Moisture (As recd.)	< 15 %
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.



# हिमाचल प्रदेश सरकार

## ANNEXURE C

### List of Banned Items

The Plastic Waste dispatched by Designated ULB's Collection Area to the CCI's Cement Plant shall not contain any of the following items that are in the banned item list of CCI 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)