

NMHS Dissemination Summary

Project Title: REJUVENATION OF USED LITHIUM ION BATTERIES BY GEL ADDITION
PROCESS: A NOVEL RECYCLING PLAN

NMHS Grant ID:
NMHS2023-24/SC-XI/SG-XI/SG86/01/153/222

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Institution:
CENTRAL UNIVERSITY OF HIMACHAL PRADESH

Brief Summary of Dissemination Activities

We undertook the following dissemination and research-based activities under the NMHS-funded project:

- Battery dismantling of used lithium-ion batteries.

Battery Dismantling (Video)	https://drive.google.com/file/d/1dQ7xHd8U1pzGPsXitjezFXrew_fgo_im/view?usp=s haring
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Battery Dismantling (Photos) –





- **Measurement of electrical characteristics using an LCR meter.**

LCR reading (Video)	https://drive.google.com/file/d/1fwZMWrmvvjIYz1ZuUKRCKgJRqfX41pSn/view?usp=sharing
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- **Field visit conducted to collect used Li-ion batteries.**

Field visit conducted in Himachal Pradesh for battery collection.



(A)



(B)



(C)

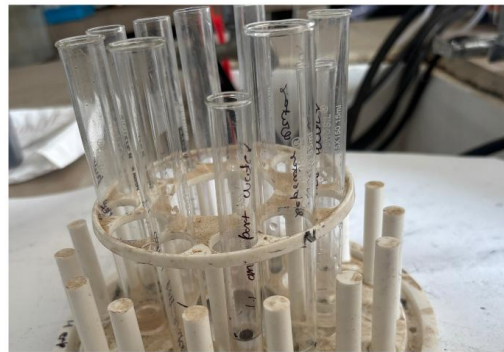
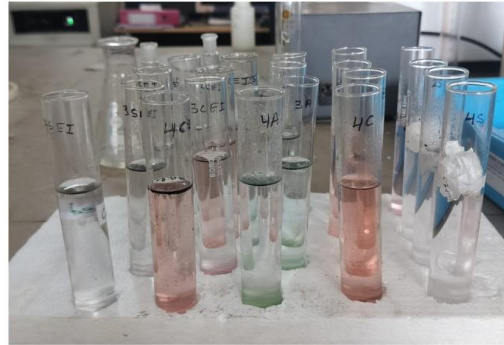
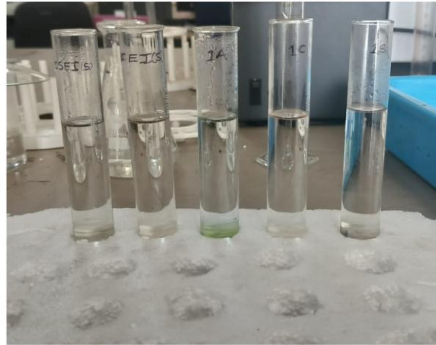


(D)

Field visit conducted in Seelampur, Delhi to collect used Li-ion batteries.



- Leaching of the anode and cathode materials of the batteries.





- **Elemental analysis using a flame photometer.**

Analysis using a flame photometer.	https://drive.google.com/file/d/1fE7GlFh999-Lav9E9vO3WXe9o1aivw8B/view?usp=sharing
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Acknowledgement

All materials and findings are duly acknowledged with the NMHS Grant ID: NMHS2023-24/SC-XI/SG-XI/SG86/01/153/222

Submitted by:

Project Team

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