A. Proposal Details

Part - 1

Organization Type: Industry/Industry Association

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Part - 2

5. Proposed title of Standard	BATTERY REGENERATOR MACHINE
6. Aspect	Product Specification
7. Define subject of standard	NEED THIS INDIAN STANDARD CODE SPECIFIES THE PERFORMANCE, SEFTY, AND ENVIRONMENTEL REQUIREMENT FOR BATTERY REGENERATION MACHINE DESIGN TO EXTEND THE LIFE AND IMPROVE THE EFFICIENCY, SEFTY FEATURES, ENVIRONMENTAL IMPACT AND TECHNOLOGICAL INNOVATIONS NECESSARY FOR EFFECTIVE BATTERY DESULFICATION AND REGENERATION. NAME OF THE PRODUCT BATTERY REGENERATOR, CAPACITY OF MACHINE 4,8,16 BATTERIES AT A TIME, TYPES OF BATTERIES LEAD ACID, DRY, SEALED MAINTENANCE FREE, CADEIUM AND GEL, VRLA, DIMENSIONS- LOWEST (INCH) 16X16X38, HIGHEST (INCH) 20X30X40, WEIGHT- LOWEST, 95 KGS, HIGHEST, 130 KGS, POWER INPUT- SINGLE PHASE 220,230 V.
8. Most Relevant Technical Department	ETD (Electrotechnical Department)

Part - 3

9. Scope of proposed standard	DRY, SEALED MAINTENANCE FREE, CADEIUM AND GEL, VRLA BATTERIES BY REVERSING THE SULFICATION PROCESS. IT OUT LINES THE ESSENTIAL REQUIREMENTS FOR OPERATIONS, EFFICIENCY, SEFTY, ENVIRONMENTAL PROTECTION AND DURABILITY OF SUCH HANDLING ELETRICAL AND CHEMICAL COMPONANTS AND ENVIRONMENTAL SUSTAINIBILITY BY REDUCING THE NEED OF NEW BATTERY AND REDUCING THE CARBON FOOTPRINT.
10. Purpose and Justification	9.PURPOSE: To establish guidelines for the performance, safety, and environmental impact of the battery regeneration process, aimed at restoring and extending the life of batteries. JUSTIFICATION: This Indian standard is essential for extending battery lifespan, reducing environmental waste, lowering battery replacement costs, and ensuring safety in handling hazardous chemicals and electrical components.
11. Likely users of standards and their inputs	10.1.Battery Regenerator Manufacturers-To ensure their machines meet performance, safety, and environmental criteria, enabling market approval and fostering customer trust. 2. Industries Using Large-Scale Battery Systems- Including automotive, manufacturing, transportation, UPS systems, banks, hospitals, telecommunications, hospitality, solar energy, and e-rickshaw industries, where battery longevity is crucial. Their focus is on cost savings and machine efficiency. 3. Service Providers- To guarantee a safe and reliable battery regeneration process. 4. Regulatory Bodies- To ensure compliance with environmental and safety regulations. 5. End Users- Focused on extended battery life, cost savings, and safety.

12. Any related standards/series of standard/system standard required to make this subject standard complete	I have attached the list of IS code which include codes related to batteries but unable to find any applicable code related to our product.
13. When the final standard would be required	30-09-2024
14. Any specific problem being faced without this standard	We wish to apply for the BIS License, but we are unable to proceed as the applicable IS Code does not match our product.
15. Bearing with Govt legislation regulation, etc	yes, we have all required government documents for process to apply.
16. Name and address of manufacturers/ implementing/ industries/ purchasing organization /component supplier/ raw material supplier, if any	NA
17. Status of the industry in the country	The battery regeneration industry in India is rapidly emerging due to growing demand for sustainable solutions, cost savings, and environmental responsibility such as automotive renewable energy telecommunications, and electric mobility rely heavily on battery systems, and regeneration provides a cost-effective way to extend battery life and reduce replacement expenses. This process also helps address Indias e waste problem by reducing the need for new batteries and minimizing hazardous industries increasingly adopting regeneration as an ecofriendly alternative in response to stricter environmental regulations. Regeneration is significantly cheaper than purchasing new batteries, offering financial benefits to sectors like telecom, e vehicles EVs, and solar power. However, the industry faces regulatory challenges, primarily the lack of a clear Indian Standard IS code for battery regeneration machines, which complicates obtaining licenses such as BIS certification.
18. Availability of test facilities in the country	yes
19. Whether related to variety reduction, export, health, safety consumer protection, mass consumption, energy conservation, technology transfer, technology upgradation, protection of environment & other National priorities	Energy conservation and protection of environment
20. Whether subject requires consideration to be given to women/girl issues in line with Sustainable Goal 5 of the UN. If so, whether the issues are proposed to be addressed suitably in the proposed standard	NA
21. Relevant supportive document (download docs)	List of Raw Material, List of IS code 1. Attachment 2. Attachment
22. R & D work done in india	Yes
23. Any foreign collaboration (give details)	NA
24. Liaison with any organisation(s)	NA
25.A. Preparatory work	draft attached
25.B. Preparatory work (Details)	Factory Photo Attachment
26. Whether this project can be funded by your organization	NA

27. Whether your organisation would be interested to opt for BIS Standard Mark once the standard is published?	Yes
28. Any Other Attachment (extra)	Brochure. 1. Attachment

B. Action Logs

C. Communications

Circulate Proposal to Members

Action/Update