



## Template for Requirement

(To be filled by industry)

Details of the Company	
<b>Name</b>	: <i>Mahindra Group</i>
<b>Sector</b>	: <i>Auto &amp; Farm Sector (M&amp;M), IT, Real Estate, Finance, Logistics, Resorts (Subsidiaries &amp; Associates)</i>

Details of the Challenge/Requirements	
<b>Sector</b>	: <i>Resource Conservation</i>
<b>Objective</b>	: <i>Carbon Neutrality, Water Secure, Waste Recycling</i>
<b>Category (Select One)</b>	: <i>1. Innovation 2. R&amp;D Project 3. Centre of Excellence (CoE)</i> <i>We are open to adopt all Innovation, R&amp;D Project and COE</i>
<b>Description</b>	: <i>We are looking for solutions in the following areas,</i> <i>1. Viable energy storage system for Renewable energy and Thermal energy storage.</i> <i>2. Carbon Capture &amp; Storage.</i> <i>3. Floating Solar System.</i> <i>4. Solar films for windowpanes.</i> <i>5. Plastic use optimisation in product &amp; Improve its recyclability.</i> <i>6. Hazardous waste optimisation (Paint /ETP sludge + Cotton waste) and cost optimisation for disposal.</i> <i>7. Foundry waste sand re-utilisation.</i> <i>8. High Density Battery System</i> <i>9. EV-Battery efficiency improvement</i> <i>10. EV – Charging infrastructure &amp; Fast charging technologies</i>

	11. CO <sub>2</sub> emission optimisation for Tractor tail pipe.
	12. Adoption of 3D printing and skid less manufacturing.
	13. Alternative to single use plastic
<b>Tentative Budgets</b>	: a) Fixed Cost – Based on technology and proposal b) Operational Cost – Based on technology and proposal
<b>Timelines</b>	: <i>As early as possible</i>
<b>Expected Outcomes</b>	:
<b>Other Details</b>	: a) Are Joint Proposals Allowed - <b>Yes</b> b) Are multiple submissions allowed? <b>Yes</b> c) Project Coverage (Regional/Pan -India) - <b>Pan India</b>
<b>Format</b>	: a) Word Limit if any b) Template if any
<b>Technology Readiness Level</b>	:
<b>Shortlisting Procedure</b>	:
<b>IPR Ownership (Patenting Pattern)</b>	:

**Details of Current/Previous Industry Academia Collaboration**

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