

# Evaluation Criteria - Chemical Recycling

Parameters	Objective / Details	Required Information
1. Technical feasibility of solution and novelty (30%)		
Effectiveness in addressing the challenge	<ul style="list-style-type: none"> <li>Explain whether and how the proposed solution can address the requirements stated in the challenge statements</li> <li>Illustrate how it can be scaled for use across the industry</li> </ul>	<ul style="list-style-type: none"> <li>Preliminary solution design and architecture</li> <li>Preliminary interface requirement specification</li> <li>How each of the requirements can be met, with relevant examples</li> <li>Scalability of the solution</li> </ul>
Operational Feasibility	<ul style="list-style-type: none"> <li>Solutions should be designed and developed with value chain in mind, taking into account the operating environment, integration requirements</li> </ul>	<ul style="list-style-type: none"> <li>Stakeholder onboarding plan</li> <li>Clear identification of potential users of this solution</li> <li>Demonstrate ease of use</li> </ul>
Novelty of solution	<ul style="list-style-type: none"> <li>Elaborate on degree of novelty of the solution (i.e. whether a transformative or incremental approach was taken, beyond the current or conventional methods)</li> </ul>	<ul style="list-style-type: none"> <li>Comparison with existing solution or close competitor in the market</li> </ul>

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2. Business feasibility of solution (40%)		
Commercialisation strategy and business viability	<ul style="list-style-type: none"> <li>• Demonstrate clear, viable and sustainable commercial plans, go to market strategies and plans for scale up and deployment, indicating the potential users/clients and the plans to engage them</li> <li>• Company selected should have sound financial strength and standing to undertake the project from the development phase till the adoption phase</li> </ul>	<ul style="list-style-type: none"> <li>• Comprehensive business plan to scale up the developed solution (e.g. target audience, potential prospects, sales &amp; marketing channels, etc)</li> <li>• Annual revenue, staff strength, key offering of company</li> </ul>
Estimated cost of solution and return of investment (ROI) upon implementation	<ul style="list-style-type: none"> <li>• Justify cost of developing the solution and the reasonableness of the various cost items listed in the proposal</li> <li>• To demonstrate ROI of the solution to ascertain their cost effectiveness against existing solutions based on the total estimated cost, which includes the Commercial Price (CAPEX/subscription, and not taking into consideration the adoption grant support provided), setup costs, operational and maintenance cost</li> </ul>	<p>Proposed business model with the following information:</p> <ul style="list-style-type: none"> <li>• Estimated Commercial Price: CAPEX or Subscription-based (to indicate minimum committed time period)</li> <li>• Estimated Set-up cost</li> <li>• Estimated Operational and Maintenance cost</li> <li>• ROI calculations and assumptions made</li> </ul>

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<b>3. Capacity and Expertise to execute projects (20%)</b>		
Expertise to execute projects	<p>Credibility of project team/consortium:</p> <ul style="list-style-type: none"> <li>Relevant capabilities and resources to undertake the project, track record in projects undertaken of similar size and nature</li> </ul>	<ul style="list-style-type: none"> <li>Relevant project references</li> <li>Credentials (CV) of project team members especially project manager/technical leads</li> </ul>
Capacity to execute projects	<ul style="list-style-type: none"> <li>Demonstration of capacity to undertake this project</li> </ul>	<ul style="list-style-type: none"> <li>Current and upcoming projects (6-12 months) that team/ consortium is/will be involved in</li> </ul>
<b>4. Clarity &amp; Comprehensiveness of proposal and test plans (10%)</b>		
Overall clarity and comprehensiveness of proposal	<ul style="list-style-type: none"> <li>Proposal clearly and comprehensively addresses the requirements stated, benefits of the solution, and project plan</li> </ul>	<ul style="list-style-type: none"> <li>Project management plan (timeline, personnel involved at each phase, etc)</li> <li>Risk identification and mitigation (covering design risk, operational risk)</li> <li>To state the standards to be tested against</li> </ul>
Plans for development, POC, Test-bedding and Pilot deployment	<ul style="list-style-type: none"> <li>Sufficiently detailed plans for development, POC, test-bedding &amp; pilot deployment tests stating the purpose, objectives, scope, deliverables and outcomes</li> </ul>	<ul style="list-style-type: none"> <li>Development plan</li> <li>POC Plan</li> <li>Test-bedding plan (including UAT: User Acceptance Trial plan)</li> <li>Pilot Deployment plan</li> </ul>

# Scoring Matrix

Criteria	Weightage (A)	Assessment of proposal (B)				Total score (A x B)
Technical feasibility and novelty	30%	Poor [25%]	Average [50%]	Good [75%]	Excellent [100%]	
Business feasibility	40%	Poor [25%]	Average [50%]	Good [75%]	Excellent [100%]	
Capacity and Expertise	20%	Poor [25%]	Average [50%]	Good [75%]	Excellent [100%]	
Clarity and Comprehensiveness	10%	Poor [25%]	Average [50%]	Good [75%]	Excellent [100%]	
Total	100%	Grand Total				