



## Results of Startup India Single-Use Plastic International Grand Challenge

### 1. Consumption of Single Use Plastic

	Name of the Startup	Description
1 <sup>st</sup> Winner	Happy Turtle (OPC) Private Limited	World's First Plastic Footprint Calculator for Businesses. Happy Turtle has developed a Copyright tool which focuses completely on plastic (single use, reusable, hidden - all kinds), and provides Point-of-Consumption assessment for a business premises on their Annualised Plastic Consumption. The output of the Plastic Footprint Calculator is a Plastic Footprint Certification for a business premises. The measure for a good certification rating is not relative only but also depends on absolute consumption of the premises for per capita plastic consumption.
2 <sup>nd</sup> Winner	Workmap Systems	The product is a traceable and certification rewards service to govern the use of biodegradable one time use plastics and/or one time use biomaterial in the marketplace.

### 2. Discard of Single Use Plastic

	Name of the Startup	Description
1 <sup>st</sup> Winner	Polycycl Private Limited	PolyCycl's flagship technology is a patented 'fully continuous' process for converting waste plastics to high-value petrochemical feedstock and industrial petroleum fuels.
2 <sup>nd</sup> Winner	PadCare Labs	Padcare labs has developed decentralized, portable, instant washroom fit able sanitary napkin disposal unit that gives 100% bacterial lock. This is done using novel chemo-mechanical method and reverse osmosis for de-swelling of superabsorbent polymer that is assisted by efficient mechanical shredding. The waste coming from the process is partially segregated by using material density difference. PadCare Labs has developed the method where they



		can completely recycle the used treated sanitary waste.
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### 3. Production of Single Use Plastic

	Name of the Startup	Description
1 <sup>st</sup> Winner	Siddaganga Bio Products	The startup is focused on creating and promoting Areca Leaf Products which are being Manufactured with Sustainable resources ( made from fallen sheaths - 100% Natural ) through Eco Friendly process (No Chemicals or Additives used).
2 <sup>nd</sup> Winner	Bare Necessities	Bare Necessities designs and makes earth friendly products that are packed in recyclable, reusable or organic containers.