

Helping *Nippon Paint* in getting LCA and EPD for 23 of their products.



With ever-increasing environmental awareness, Nippon Paint is proud to take on the responsibility of being environmentally friendly. Nippon Paint stays committed to the protection of the environment in every step it takes – from product development and manufacturing to work procedures.

SIPL Pvt Ltd assisted Nippon Paint in authenticating the claim through LCA and EPD of 23 different types of paints.

Nippon Paint produces high-quality paints and coats for automotive, industrial and decorative sectors. SIPL Pvt Ltd assisted Nippon Paint in developing a Type III Environmental Product Declaration (EPD) in conformance with ISO 21930 and 14025, based on ISO 14040 and ISO 14044.

To collect inventory data from Nippon Paint's 3 manufacturing plants across India at Chennai, Talaja and Bawal was a challenge. Creation of major input materials manufacturing processes along with local electricity mix and transportation processes were also very challenging.

To check the robustness of results sensitivity analyses for both an average market-based lifetime and the design life were done.

Finally, it was very satisfying that LCA results were acceptable to both the reviewer and Nippon Paint.