



Council of Scientific and Industrial Research

Press Release

CSIR-Central Leather Research Institute (CSIR-CLRI)

Wins

CSIR Diamond Jubilee Technology Award (CDJTA)-2016

New Delhi, September 26, 2018. CSIR Diamond Jubilee Technology Award for the year 2016 is conferred on CSIR-Central Leather Research Institute for developing “Waterless Chrome Tanning Technology” while avoiding the conventionally used pickling process.

The globally positioned WLCT technology developed by CSIR-CLRI does not require additional use of water for chrome tanning while eliminating the need to carry out pickling process associated with the use of acid and salt. This being environmental friendly, offers reduction of salinity and TDS in effluents by 20% and brings down the usage of chromium by 15-20%, resulting in significant material saving as well. With a current economic impact of Rs 5.0 crores savings per annum, the environmental/societal impact provides for a savings of 75 million liters water (low wastewater), 1000 tonnes of BCS (Zero Cr discharge), and 3800 tonnes of salt (20% low TDS) besides averting the handling of 380 tonnes of hazardous sulfuric acid.

Thus far, the technology has been absorbed by more than 50 tanneries in India. The technology has also gained International recognition with several countries, including Ethiopia, South Africa, the Netherlands, New Zealand, Vietnam and Brazil evincing keen interest.

The technology ensures the sustainability of the existing leather tanning sector and provides enhanced scope for emergence of new units. Employment and livelihood for those depending on this industry will thus be secured and boosted in the future. Apart from India, WLC technology has also evoked interest among tanners across the globe.

CSIR applauds and honors CSIR-CLRI for developing a viable green technology for the leather sector which has underscored the technological prowess of the country.