



### UNIDO Sialkot Tannery Zone Project (150052/5666)

#### Details of Reports Prepared Under UNIDO

S. No.	Title of Reports	Covering Area	Author	Date & Status
1.	Climate & Social Assessment (CSA) Study for STZ	Leather Sector and Sialkot District Profile, Survey & Analysis of Existing Tanneries in Sialkot, Hazardous profiling baseline & vulnerability assessment, Industry profiling baseline and vulnerability assessment, Environmental profiling baseline & vulnerability assessment, Socio economic profiling & Vulnerability assessment, adaptation plans and interventions.	In-Consult	2015 Completed
2.	Assessment of Waste Water & Energy Efficiency leading towards compliance of LWG Standards.	CETP design and comments STZ, Waste and byproduct recycling and disposal on site in the STZ; energy efficiency , REACH compliance for tanneries and leather product manufacturing companies in connection with LWG-requirements, Tannery design, requirements for tanneries based on the REACH, LWG and other initiatives.	Jutta Knoedler (Tannery Environmental Expert- LWG & ECO2L-Auditor)	20th April 2017 Completed
3.	Review of technical proposal for Recommendations for management and mandatory cleaner technologies for Sialkot Tannery Zone; Pakistan	Cleaner leather technologies proposed for Sialkot Tannery Zone, Tannery in-plant, specific processing stages, expected impact of cleaner processing methods, OSH at work place, Ownership & Management of CETP (and common facilities)	Milos Straka <i>Leather Expert</i>	August 2017 Completed
4.	Combine Effluent Treatment Plant	Process Design Report, Detailed Drawings, BoQ & Tender Documents for Civil, Mechanical & Electrical porting of CETP.	M/S Environmental Consultants	NEC, March 2018 Completed

5.	Environmental Impact Assessment of Combined Effluent Treatment Plant.	Potential Environmental Impacts and Mitigation during construction and operation phase of CETP, Environmental Management Plan & Stake holders Consultation.	M/s SEAL, Environmental Consultant	June 2019 Completed
6.	Typical Tannery Design Guidelines for Sialkot Tannery Zone	General principles about buildings and working environment, General concepts about best sustainable consumption and production practices for Sialkot Tanneries, LWG Housekeeping guidelines, tannery layouts for Raw to Finish – Medium tannery, Raw to Wet blue – Small tannery, Raw to Wet blue – Medium tannery, Wet blue to finish – Medium tannery, Split tannery	M/s ITALPROGETTI , Tannery Expert	June 2019 Completed
7.	Green Tannery Designs for Sialkot Tannery Zone	Detailed designs of tanneries, to be housed in STZ, so that all tanneries constructed in STZ will have harmony according to the international standards, UNDO's benchmark and also in accordance with the construction by-laws & Typical tannery design guidelines of STZ. These designs will include machinery placement plan, solid waste & wastewater segregation plan and pre-treatment of effluent which is possible within boundary of tannery like, grit chamber, oil & grease trap, de-salting, coarse and fine screens, etc.	M/s Inconsult Pvt. Ltd.	November 2020 completed