



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION



TANNERY EFFLUENT TREATMENT PLANTS

Designed and established through UNIDO

Effluent Treatment Plants

Designed, Established and/or Upgraded
through the UNIDO Leather-based Industry Programme

PLANT	PLACE/ COUNTRY	VOLUME, <i>m³/day</i>	SERVICES PROVIDED	REMARK
Pilot & demonstration plant, Tannery School	Estancia Velha, Brazil	≈ 120	Design, construction, start up & operation	Full treatment, several parallel systems, including DAF, lagooning, trickling filter, membrane filtration etc.
Pilot & demonstration plant, LEATHER DEVELOPMENT CENTRE, KIRDI	Nairobi, Kenya	≈ 10	Design, construction, start up & operation	Mainly for training purpose
ALPHARAMA TANNERY	Athi River, Kenya	= 300	Design for upgrading	
NAKURU TANNERY	Nakuru, Kenya	500	Design and purchase of equipment	Primary treatment
SAGANA TANNERY—also served as a training & demonstration plant	Sagana, Kenya	≈ 420	Design, construction, start up & operation	Primary treatment and design of secondary treatment
BATA TANNERY	Lusaka, Zambia	≈ 180	Rehabilitation/ upgrading	
SINTRAPEL TANNERY	Tete, Mozambique	≈ 100	Design, construction, start up & operation	Full primary and biological system
LIWONDE TANNERY	Liwonde, Malawi	≈ 50	Design, construction, start up & operation	Primary (physical-chemical) treatment only
BURTAN	Bujumbura, Burundi	≈ 100	Upgrading, operation	Primary treatment
MOSHI TANNERY	Moshi, Tanzania	1,000	Design and purchase of equipment	Primary treatment

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LAKES TANNERS	Dar-Es-Salaam	500	Design	Primary treatment
AFROTAN	Dar-Es-Salaam	1,000	Design and purchase of equipment	Primary treatment
MOROGORO TANNERY	Morogoro, Tanzania	1,000	Design and purchase of equipment	Primary treatment
MWANZA TANNERY	Mwanza , Tanzania	1,000	Design	Primary Treatment
CETP Kasur	Kasur, Pakistan	= 13,000	Design, equipment, construction, advice in start up	Primary treatment and lagoons
CETP San Benito	San Benito, Columbia	≈ 5,000/ 10,000	Design	Primary treatment
CETP Sukaregang	Garut – Jawa Bart, Indonesia	≈ 300	Design	Full primary and biological treatment (SBR)
GAMBIRAN	Jogyakarta, Indonesia	≈ 100	Design	Full primary and biological treatment
CETP Magetan	Magetan – Est Java, Indonesia	≈ 250	Design	Full primary and biological treatment
(C)ETP Da Chang	Shanghai, China	≈ 8,000	Rehabilitation & upgradation	Full primary and biological treatment
Nanjing	Nanjing, China	≈ 1,400	Upgradation design, operation	Full primary and biological treatment
Xian	Xian, China	≈ 2,400	Upgradation, operation	Full primary and biological treatment
CETP Zablatani, tannery cluster	Damascus, Syria	≈ 5,000	Design	Primary treatment
CETP Pallavaram, tannery cluster	Tamil Nadu, India	≈ 3,000	Design, start up & operation	Full primary and biological treatment

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CETP Ranitec, tannery cluster	Ranipet – Tamil Nadu, India	≈ 4,000	Design, some equipment, start up & operation	Full primary and biological treatment
PRESIDENCY KID LEATHER	Kannivakam – Tamil Nadu, India	≈ 120	Upgradation, start up & operation	Full primary and biological treatment; Reed beds
MEERA HUSAIN	Tamil Nadu, India	≈ 60	Up gradation design, some equipment, start up & operation	Full primary and biological (lagooning) treatment
CETP Sidco Ranipet, tannery cluster	Tamil Nadu, India	≈ 2,500	Upgradation	Full primary and biological treatment
CETP Amburtec, tannery cluster	Ambur – Tamil Nadu, India	≈ 2,200	Upgrading, start up & operation	Full primary and biological treatment (oxidation ditches-carrousel)
CETP Vishtec, tannery cluster	Melvisharam – Tamil Nadu, India	≈ 3,400	Upgrading	Full primary and biological treatment; Reed beds
CETP Vanitec, tannery cluster	Vaniyambadi – Tamil Nadu, India	≈ 2,800	Some equipment	Full primary and biological treatment
CETP Kolkata, tannery cluster	Kolkata/Karai danga – West Bengal, India	≈ 5,000/ 30,000	Design	Full primary and biological treatment
CETP Hazaribagh	Hazaribagh – Dhaka, Bangladesh	= 21,600	Design	Full primary and biological treatment
CETP Bata Atha	Bata Atha, Sri Lanka	= 1,500	Design, equipment, start up & operation	Full primary and biological treatment

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TAN-ALIZ TANNERY	Ouagadougou, Burkina Faso	≈ 800	Up gradation design, Cr- recovery	Full primary and biological treatment
AWASH TANNERY	Addis Ababa, Ethiopia	≈ 1,000	Design	Primary treatment and Cr-recovery unit
WALLIA TANNERY	Addis Ababa, Ethiopia	1,000	Design and purchase of equipment	Primary treatment
MODJO TANNERY	Modjo, Ethiopia	?	Design, Pilot Plant	Advanced Integrated Wastewater Ponding System
DIRE TANNERY	Addis Ababa, Ethiopia	1,000	Design and purchase of equipment	Primary treatment
ETHIOPIA TANNERY	Addis Ababa, Ethiopia	1500	Rehabilitation and laboratory equipment	Primary and Secondary treatment
DESSIE TANNERY	Dessie, Ethiopia	700	Design and purchase of equipment	Primary Treatment
HAFDE TANNERY	Addis Ababa, Ethiopia	700	Design	Primary Treatment
BLUE NILE TANNERY	Addis Ababa, Ethiopia	500	Design and purchase of equipment	Primary treatment
NAKARA TANNERY	Windhoek, Namibia	1,000	Design and purchase of equipment	Primary Treatment
IMPONENTE TANNERY	Harare, Zimbabwe	1,000	Design and purchase of equipment	Primary Treatment
MASAKA TANNERY	Masaka, Uganda	700	Design	Primary Treatment
UGANDA FISH SKIN TANNERY	Jinja, Uganda	≈ 30	Design	Primary treatment
CETP Birgunj	Birgunj, Nepal	≈ 500	Design, equipment, start up & operation	Primary treatment

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NAKURU TANNERY	Nakuru, Kenya	≈ 160	Design	Primary treatment
KEMBE ESTATE	Kembe, Zambia	?	Design	Full primary and biological treatment
D'ANJEVA TANNERY	D'Anjeva, Madagascar	≈ 600	Design	Full primary and biological (lagooning) treatment
TANORTH TANNERY LTD. (TTL)	Sharada Industrial Estate – Kano, Nigeria	≈ 10,00	Conceptual design	Primary treatment
HUFAWA TANNERY (HF)	Sharada – Kano, Nigeria	≈ 2,000	Conceptual design	Primary treatment
UNIQUE LEATHER	Sharada – Kano, Nigeria	≈ 2,700	Conceptual design	Primary treatment
TRENDS VENERATE LTD.	Challawa Industrial Estate – Kano, Nigeria	≈ 600	Conceptual design	Primary treatment
AFRIMPEX	Sharada – Kano, Nigeria	≈ 750	Conceptual design	Primary treatment
FATA TANNING	Kano, Nigeria	≈ 800	Conceptual design	Primary treatment
CETP Industrial Estate (La Zone Industrielle du Cuir)	Grand Tunis – Tunis, Tunisia	≈ 1,500	Conceptual design	Primary treatment
Sialkot Tannery Zone	Pakistan	~12,000	Design, equipment, start up & operation	Full primary and biological treatment