

CLIMATE DECLARATION

FOR HOT DIP GALVANIZED & PAINTED STEEL TOWER
Declared unit: 1 tonne

The climate declaration shows the emissions of greenhouse gases, expressed as CO₂-equivalents. It is based on verified results from a life cycle assessment (LCA) performed as basis for an EPD®, in accordance with ISO 14025.

Information about the product

Hot Dip Galvanized Steel Painted Towers are used to transmit electrical energy from power plants to substations and to distribute it from substations to users. Towers are designed and manufactured according to criteria such as route, climate, geographical conditions, line voltage, capacity and intended use. UN CPC Code: 42110 Bridges, bridge sections, towers and lattice masts, of iron or steel.



Information about the company

ŞARA Energy, whose foundations date back to 1985 and has been announcing its achievements to the world for more than 30 years, is an important brand that has gained a pioneering identity in its sector. ŞARA has achieved success in the field of energy transmission and distribution for many years with its nearly 2000 employees and expert staff in their fields, modern production facilities and strong contracting team that values people. ŞA-RA Energy Bolt factory continues its production activities on a total area of 45.000 m², 25.000 m² closed and 20.000 m² open. ŞA-RA Bolt Factory, with a production capacity of approximately 70.000 tons, serves with a wide range of products ranging from 4.6 to 12.9 quality, from M8 to M52 diameter and 6000 mm length, which are used in many industrial sectors, especially automotive, defense industry, construction machinery and infrastructure. It is one of the most important integrated investments in its geography with more than 40 automatic cold and hot bolt-nut benches, automatic heat treatment furnaces, fully automatic surface coating facilities, mold manufacturing and mold stock areas, test and control laboratories, 100% control benches that provide zero error with laser measurement feature.

Climate Declaration

The table below shows the emissions of greenhouse gases, calculated as carbon dioxide equivalents (kg CO₂ eq.) for 1 tonne Hot Dip Galvanized and Painted Steel Towers. The included life cycle stages are raw material supply, transport, product manufacture (A1-A3), product transport (A4), installation (A5), demolition (C1), waste transport (C2), waste processing (C3), disposal (C4), and benefit (D). Other modules are not included.

Product Stage (A1-A3)	Construction/EoL (A4-C4)	TOTAL
1.96E+03 kg CO ₂ e	3.86E+02 kg CO ₂ e	2.35E+03 kg CO ₂ e

Other environmental information

This declaration is limited to the impact on climate change by emissions of greenhouse gases. Further information about other relevant environmental aspects is available in the EPD® at www.environdec.com and www.epdturkey.org.

Contact information

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EPD PROGRAMME: THE INTERNATIONAL EPD® SYSTEM	REGIST. NO: EPD-IES-0018661	VALIDITY: 2030-03-26
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INDEPENDENT VERIFICATION OF THE DECLARATION AND DATA, ACCORDING TO ISO 14025 Agnieszka Pikus,, INDIVIDUAL VERIFIER	APPROVED BY: THE INTERNATIONAL EPD® SYSTEM	
LINK TO MORE INFORMATION: https://environdec.com/library/epd8661		
CLIMATE DECLARATIONS FROM DIFFERENT PROGRAMS MAY NOT BE COMPARABLE		