

Water Footprint Verification Statement

Institute	Zorlu Jeotermal Elektrik Uretim A.S.
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Verification Body	Sera Belgelendirme Hizmetleri Ltd. Şti
Address	Çınarlı Mah. 1570 Sk. No:19 K:6 D:62 Kuyumcu İş Merkezi Konak / İZMİR
Web	www.serabelgelendirme.com
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Verifiers	Alp BAL
Independent Reviewer	Ziya Durucan
Statement Date	11.07.2023
Scope	Electricity production
Reporting Period	01.01.2022 – 31.12.2022
Statement No	S/WP/0200
Data Quality	Data quality was considered acceptable in meeting the principles as set out in ISO 14046:2014.
Approach	Gate to Gate

Proportion of facilities inspected during the verification?	%100
Organisational Boundaries	Alaşehir Jeotermal Tesisi Alhan Mah. İstasyon Sok. No:6 45600 Alaşehir Manisa
Comments	The direct water footprint inventory was conducted in accordance with the requirements of ISO 14046:2014 Environmental Management – Water Footprint – Principles, Requirements and Guidelines. No material misstatements in this direct water footprint inventory

Water Footprint Inventory Results

Sources	Source Type	Amount of Water Withdrawn (m3/year)
Water Withdrawn		
Geothermal	Groundwater (Renewable)	21,827,551
Mains Water	Fresh Water	3,678
Total		21,831,229
Discharged Water		
Injection into the reservoir	-	19,174,050
Cooling tower evaporation	-	2,326,833
Total		21,500,883

Contaminant Parameters

Parameters	Pollutant Flow (ton)
KOI	0,116
BOI	0,045
AKM	0,032

Wells within reporting Boundaries

Facility	Well	Well Type
Alaşehir	Alkan 1	Production Well
Alaşehir	Alkan 2	Production Well
Alaşehir	Alkan 3	Production Well
Alaşehir	Alkan 4	Production Well
Alaşehir	Alkan 5	Production Well
Alaşehir	Alkan 8	Production Well
Alaşehir	Alkan 10	Production Well
Alaşehir	Alkan 10A	Production Well
Alaşehir	Alkan 11	Production Well
Alaşehir	Alkan 12A	Production Well
Alaşehir	Alkan 13A	Production Well
Alaşehir	Alkan 13B	Production Well
Alaşehir	Şahyar 3	Injection Well
Alaşehir	Şahyar 3A	Injection Well
Alaşehir	Şahyar 4	Injection Well
Alaşehir	Şahyar 6	Injection Well
Alaşehir	Şahyar 7	Injection Well
Alaşehir	Şahyar 9	Injection Well
Alaşehir	Şahyar 13	Injection Well
Alaşehir	Şahyar 14	Injection Well
Alaşehir	Alkan 9	Injection Well
Alaşehir	Şahyar 37	Injection Well