## Current environmental laws and regulations in Turkey relevant to Project

Current environmental laws and regulations	Date and No of Issuing Official Gazette
Environment Law	11.08.1983, 18132
Permitting	
Regulation on Environmental Impact Assessment	25.11.2014, 29186
Regulation on Environmental Auditing	21.11.2008, 27061
Regulation on Environmental Permits and Licenses	10.09.2014, 29115
Air Quality	
Regulation on Control of Air Pollution caused by Heating	13.01.2005, 25699
Regulation on Assessment and Management of Air Quality	06.06.2008, 26898
Regulation on Decreasing the Ozone Depleting Materials	07.04.2017, 30031
Regulation on Control of Exhaust Gas Emission and Quality of Petrol and Diesel	30.11.2013, 28837
Regulation on Control of Industrial Air Pollution	03.07.2009, 27277
Regulation on the Reduction in the Sulphur Content of Some Fuel Types	06.10.2009, 27368
Regulation on Odor Causing Emissions	19.07.2013, 28712
Regulation on Monitoring of Green House Gases	17.05.2014, 29003
Water Quality	
Regulation on Water Pollution Control	31.12.2004, 25687
Groundwater Law (No. 167)	23.12.1960, 10688
Regulation on Protection of Groundwater Against Pollution	07.04.2012, 28257
Regulation on Protection of Wetlands	04.04.2014, 28962
Regulation on Quality of Drinking Water to be Obtained or Planned to be Obtained from Surface Water	29.06.2012, 28338
Regulation on Control of Pollution Caused by Dangerous Substances in Water and its Environment	26.11.2005, 26005
Regulation on Urban Wastewater Treatment	08.01.2006, 26047
Regulation on Water Intended for Human Consumption	17.02.2005, 25730
Regulation on Management of Surface Water Quality	30.11.2012 28483

Current environmental laws and regulations	Date and No of Issuing Official Gazette
Regulation on Water Conservation against Pollution Caused by Nitrates from Agricultural Sources	18.02.2004, 25377
Soil Quality	
Regulation on Control of Soil Pollution and Contaminated Lands by Point Sources	08.06.2010, 27605
Regulation on Use of Domestic and Urban Treatment Sludge in Soil	03.08.2010, 27661
Waste Management	
Regulation on Waste Management	02.04.2015, 29314
Regulation on Control of Excavation Soil, Construction and Demolition Wastes	18.03.2004, 25406
Regulation on Control of Waste Batteries and Accumulators	31.08.2004, 25569
Regulation on Control of Vegetative Oils	19.04.2005, 25791
Regulation on Control of Medical Wastes	25.01.2017, 29959
Regulation on Control of End of Life Tires	25.11.2006, 26357
Regulation on Control of Waste Electrical and Electronic Goods	22.05. 2012, 22300
Regulation on Management of Waste Oils	21.12.2019, 30985
Regulation on Control of End of Life Vehicles	30.12.2009, 27448
Regulation on Landfills (Regular Storage of Wastes)	26.03.2010, 27533
Regulation on Control of Packaging Wastes 24.08.201	
Regulation on Control of Polychlorinated Biphenyls (PCBs) and Polychlorinated Terphenyls (PCTs)	27.12.2007, 26739
Regulation on management of Radioactive Wastes	09.03.2013, 28582
Regulation on Zero Waste	12.7.2019, 30829
Chemicals Management	
Regulation on the Prevention of Major Industrial Accidents and Reducing Their Effects	2.3.2019, 30702
Regulation on the Transportation of Dangerous Goods by Road	24. 10.2013, 28801
Regulation on Safety Data Sheets of Dangerous Materials and Aids	13.12.2014, 29024

Current environmental laws and regulations	Date and No of Issuing Official Gazette
Regulation on Transportation of Dangerous Goods by Railway	16.7.2015, 29418
Regulation on Chemicals Record, Evaluation, Perception and Restriction (hereinafter mentioned as "Chem&SDS").	23.06.2017, 30105
Regulation on Safe Transportation of Radioactive Materials	08.07.2005, 25869
Noise Management	
Regulation on Assessment and Management of Environmental Noise	04.06.2010, 27601
Regulation Related to External Noise Emissions and Exhaust Systems of Motor Vehicles	30.11.2000, 24246
Regulation Related to Noise Emissions by Equipment for Outdoor Use	30.12.2006, 26392
Nature Conservation and Biodiversity	
Regulation on Wildlife Protection and Wildlife Enhancement Areas	08.11.2004, 25637
Law on Forestry (No: 6831)	08.09.1956, 9402
National Parks Law (No: 2873)	11.08.1983, 18132
Cultural Heritage	
Conservation of Cultural and Natural Assets Law (No. 2863)	23.07.1983, 18113
Regulation on Research, Drilling and Excavation of Cultural and Natural Assets	10.08.1984, 18485
Landscape	
Law on Ratification of European Landscape Convention (No. 4881)	17.06.2003, 25141
Regulations on Certain Activities	
Regulation on the Obtaining, Processing and Control of the Sand, Gravel and Similar Materials	
Resources Management	
Energy Efficiency Law (No. 5627)	02.05.2007, 26510
Regulation on the Improvement of the Energy Sources and the Efficiency in the Energy Usage	27.10.2011, 28097

### Current Labour and H&S laws and regulations in Turkey

Existing Labour and H&S Law and Regulations	Date and No of Issuing Official Gazette
Laws	
The Labour Law – No. 4857 (Aims to regulate the working conditions and work-related rights and obligations of employers and employees working within the confines of an employment contract.)	10.06.2003, 25134
The Occupational Health And Safety Law - Law No. 6331	30.06.2012, 28339
Regulations	
Regulation on Safety and Health Requirements Working With Display Screen Equipment	16.04.2013, 28620
Regulation on Protection of Workers from the Risks of Vibration	22.08.2013, 28743
Regulation on Prevention of Workers from Risks Created from Noise	28.07.2013, 28721
Regulation on Management of Dust	05.11.2013, 28812
Regulation on Health and Safety Signs	11.09.2013, 28762
Regulation on Health and Safety at Construction Sites	05.10.2013, 28786
Regulation on Protection of Workers from the risk of Explosive Media	30.04.2013, 28633
Regulation on Health and Safety Precautions Regarding Working with Asbestos	25.01.2013, 28539
Regulation on Manual Handling	24.07.2013, 28717
Regulation on Principles and Procedures for Health and Safety Training of Employees	15.05.2013, 28648
Regulation on Health and Safety Precautions Regarding Workplace Buildings and Their Annexes	17.07.2013, 28710
Regulation on Use of Personnel Protective Equipment in Workplaces	02.07.2013, 28695
Regulation on Health and Safety Conditions Regarding Use of Work Equipment	25.04.2013, 28628
Regulation on Health and Safety Regarding Temporary Works	23.08.2013, 28744
Personnel Protective Equipment Regulation	29.11.2006, 26361
Regulation on Health and Safety Precautions Regarding Working with Chemicals	12.08.2013, 28733
Regulation on Subcontractor	27.09.2008, 27010

Existing Labour and H&S Law and Regulations	Date and No of Issuing Official Gazette
Regulations on the Prevention of Biological Exposure Risks	15.06.2013, 28678
Regulation on the Employment of Pregnant or Lactating Women, children's care homes and Breastfeeding Rooms	16.08.2013, 28737
Regulation on the Procedures and Principles of the Employment of Children's and Young Workers	06.04.2004, 25425
Regulation on Health and Safety Committees	18.01.2013, 28532
Regulation on Health and Safety Services	29.12.2012, 28512
Regulation on Supporting Health and Safety Services	24.12.2013, 28861
Regulation on Health and Safety Risk Assessment	29.12.2012, 28512
First Aid Regulation	29.7.2015, 29429
Regulation on Protection of Buildings Against Fire	19.12.2007, 26735
Regulation on Work Stoppage in Workplaces	30.03.2013, 28603
Regulation on Emergency Cases in Workplaces	18.06.2013, 28681
Regulation on Health and Safety Precautions Regarding Working with Cancerogenic and Mutagenic Substances	06.08.2013, 28730
Regulation on Health and Safety Measures in Working with Asbestos	25.1.2013, 28539
Regulation on Equipment and Protective Systems Used in Potentially Explosive Atmospheres	30.6.2016, 29758
Regulation on Laboratories Conducting Occupational Hygiene Measurement, Testing and Analysis	24.1.2017, 29958
Regulation on Health and Safety Measures to be Taken in Workplace Buildings and Annexes.	17.7.2013, 28710
Regulation on the Duty, Authority, Responsibility and Training of Occupational Safety Specialists	29.12.2012, 28512
Regulation on the Duty, Authority, Responsibility and Training of Occupational Physicians	20.7.2013, 28713
Regulation on Machinery Safety	3.3.2009, 27158

### Other Applicable Legislation Relevant to Project

Other Applicable Legislation Relevant to Project	Date and No of Issuing Official Gazette
Law on Utilization of Renewable Energy Resources for the Purpose of Generating Electrical Energy (No: 5346)	10.05.2005, 25819
Law on Protection of Cultural and Natural Heritage (No: 2863)	23.07.1983, 18113
Forestry Law (No: 6831)	31.08.1956, 9402
General Public Health Law (24 April 1930);	24.04.1930, 1489
Regulation on Work Place Establishment and Operating Licenses	10.08.2005, 25902
Law on Protection of Soil and Land Use (No: 5403)	19.07.2005, 25880
Groundwater Law (No:167)	16.12.1960, 10688
Regulation on the Implementation of the Law on Protection of Soil and Land Use	15.12.2005, 26024
Regulation Regarding Principles of (Urban) Plan Preparation	02.11.1985, 18916
Unplanned Areas Construction Regulation	02.11.1985, 18916
Regulation on Buildings located on the Disaster Areas	14.07.2007, 26582
Regulation on the Buildings to be Constructed in Earthquake Zones	06.03.2007, 26454
Railway Safety Regulation	19.11.2015, 29537

### International agreements which Turkey is a Party

International Convention / Protocol	Date and No of Issuing Turkish Official Gazette
European Cultural Convention; 19.12.1954	17.06.1957, 9635
International Convention for the Establishment of the European and Mediterranean Plan Protection Organization; Paris, 1951	10.08.1965

International Convention / Protocol	Date and No of Issuing Turkish Official Gazette
The Convention for the Protection of Cultural Property in the Event of Armed Conflict; 14.04.1954	08.11.1965, 12145
International Convention for the Protection of Birds; Paris, 1959	17.12.1966, 12480
Convention on Legal Responsibilities about the Nuclear Energy Field; 29.1.1960, and its addendum protocol dated 28.01.1964	13.06.1967, 12620
The Agreement for the Establishment of the General Fisheries Commission for the Mediterranean (GFCM); Rome, 1949	07.07.1967, 12641
Radiation Protection Convention; Geneva, 1960	15.11.1969
Agreement on an International Energy Program; Paris, 1974	04.05.1981
Convention for the Protection of the Mediterranean Sea against Pollution; Barcelona, 1976	12.06.1981, 17368
Protocol for the Prevention of Pollution of the Mediterranean Sea by Dumping from Ships and Aircraft; Barcelona, 1976	12.06.1981, 17368
The Convention for the Protection of the Marine Environment and the Coastal Region of the Mediterranean (Barcelona Convention); Barcelona, adopted on 16.02.1976, entered into force 12.02.1978	12.06.1981, 17368
Convention for the Protection of the World Cultural and Natural Heritage; Paris, 1972	14.2.1983, 17959
Convention on Long-Range Transboundary Air Pollution; Geneva, 1979	23.03.1983,1799 6
The Convention on the Conservation of European Wildlife and Natural Habitats (Bern Convention); Bern, opened for signature on 19.09.1979, entered into force on 01.06.1982	Ratification date: 02.05.1984 Entered into force: 01.09.1984
Protocol to the Convention on Long-Range Transboundary Air Pollution on the Financing of the Co-operative Program for Monitoring and Evaluation of the Long-Range Transmission of Air Pollutants in Europe; Geneva, 1984	23.07.1985, 18820
Protocol for the Protection of the Mediterranean Sea against Pollution from the Land-Based Sources; Athens, 1980	18.03.1987, 19404
Protocol Concerning Specially Protected Areas in the Mediterranean; Geneva, 1982 (date of signature 06.11.1986)	23.10.1988, 19968

International Convention / Protocol	Date and No of Issuing Turkish Official Gazette
International Convention for the Prevention of Pollution from Ships (MAR-POL 73/78); 1973, modified by the Protocol of 1978 (entered into force on 2 October 1983)	24.06.1990, 20558
Convention on the Protection of the Black Sea Against Pollution (Bucharest Convention); signed on 21.04.1992, entered into force on 15.01.1994 (PROTOCOLS SHALL ALSO BE INCLUDED)	06.03.1994, 21869
Convention on the Control of Transboundary Movements of Hazardous Waste and Disposal; Basel, 22.03.1989	15.05.1994, 21935
The Convention on Wetlands of International Importance, especially as Waterfowl Habitat (Ramsar Convention); entered into force on 21.12.1975	17.05.1994, 21937
Montreal Protocol on Substances That Deplete the Ozone Layer; Montreal, opened for signature on 16.09.1987, entered into force on 1.1.1989 (revisions: 1990,London; 1991,Nairobi; 1992,Copenhagen; 1993,Bangkok; 1995,Vienna; 1997,Montreal; and 1999,Beijing)	28.12.1994, 22155
Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES); opened for signature on 3.3.1973, entered into force on 1.7.1975	20.06.1996, 22672 (entered into force on 22.12.1996)
United Nations Convention to Combat Desertification; Paris, 17.6.1994, entered into force in December 1996	1997
Biodiversity Convention; opened for signature at the Earth Summit in Rio de Janeiro on 5.6.1992, entered into force on 29.12.1993	27.12.1996, 22860
Convention on the Transboundary Effects of Industrial Accidents	18.03.1992
The Stockholm Convention on Persistent Organic Pollutants	22.05.2001
United Nations Framework Convention on Climate Change; 2004, and Kyoto Protocol on Global Warming; 2008  General principle of Kyoto is, the signatory parties should decrease their GHG emissions by 5.2% of the 2009 amount till the end of 2012. After 2012, a new agreement and new emission limits will come into picture.	Turkish Parliament accepted to be a signatory of Kyoto Protocol in February 2009. However, Turkey is not a party in the Protocol, thus has no commitment, until the end of 2012.

### **Relevant European Regulations**

Environmental Issu	es
Impact assessment	<ul> <li>Council Directive 2014/52/EU on the assessment of the effects of certain public and private projects on the environment</li> </ul>
Air quality	<ul> <li>Directive 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions (integrated pollution prevention and control). Directive 2010/75/EU replaces definitively, with effect from 7 January 2014:</li> <li>Directive 1999/13/EC on reducing emissions of volatile organic compounds (VOCs);</li> <li>Directive 2008/1/EC concerning integrated pollution prevention and control;</li> <li>with effect from 1er January 2016:</li> <li>Directive 2001/80/EC on the limitation of emissions of certain pollutants from large combustion plants.</li> <li>Directive 2008/50/EC of the European Parliament and of the Council of 21 May 2008 on ambient air quality and cleaner air for Europe</li> <li>Directive 2003/87/EC of the European Parliament and of the Council of 13 October 2003 establishing a scheme for greenhouse gas emission allowance trading within the Community and amending Council Directive 96/61/EC</li> <li>Regulation (EC) No 2037/2000 of the European Parliament and of the Council of 29 June 2000 on substances that deplete the ozone layer</li> <li>Council Directive 1999/32/EC of 26 April 1999 relating to a reduction in the sulphur content of certain liquid fuels and amending Directive 93/12/EEC</li> <li>Directive 2001/81/EC of the European Parliament and of the Council of 23 October 2001 on national emission ceilings for certain atmospheric pollutants</li> </ul>
Energy Conservation	<ul> <li>32012L0027: Directive 2012/27/EU of the European Parliament and of the Council of 25 October 2012 on energy efficiency, amending Directives 2009/125/EC and 2010/30/EU and repealing Directives 2004/8/EC and 2006/32/EC Text with EEA relevance</li> <li>Directive 2008/1/EC of the European Parliament and of the Council of 15 January 2008 concerning integrated pollution prevention and control EC/JRC 2008: IPPC Reference Document on Best Available Techniques for Energy Efficiency. June 2008</li> </ul>
Water and Wastewater Quality	<ul> <li>Council Directive 91/271/EEC of 21 May 1991 Concerning Urban Wastewater Treatment</li> <li>Council Directive 98/83/EC of 3 November 1998 on the quality of water intended for human consumption</li> <li>Council Directive of 16 June 1975 concerning the quality required of surface water intended for the abstraction of drinking water in the Member States</li> </ul>

# **Environmental Issues** Directive 2006/118/EC of the European Parliament and of the Council of 12 December 2006 on the protection of groundwater against pollution and deterioration Council Directive 80/68/EEC of 17 December 1979 on the protection of groundwater against pollution caused by certain dangerous substances Directive 2006/11/EC of the European Parliament and of the Council of 15 February 2006 on pollution caused by certain dangerous substances discharged into the aquatic environment of the Community Directive 2008/105/EC of the European Parliament and of the Council of 16 December 2008 on environmental quality standards in the field of water policy, amending and subsequently repealing Council Directives 82/176/EEC, 83/513/EEC, 84/156/EEC, 84/491/EEC, 86/280/EEC and amending Directive 2000/60/EC of the European Parliament and of the Council Water Directive 2006/11/EC of the European Parliament and of the Council of Conservation 15 February 2006 on pollution caused by certain dangerous substances discharged into the aquatic environment of the Community Council Directive of 12 June 1986 on limit values and quality objectives for discharges of certain dangerous substances included in List I of the Annex to Directive 76/464/EEC **Hazardous** Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, **Materials** Management Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 Council Directive 67/548/EEC of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances Directive 2008/68/EC of the European Parliament and of the Council of 24 September 2008 on the inland transport of dangerous goods Waste Directive 2006/12/EC of the European Parliament and of the Council of Management 5 April 2006 on waste Regulation (EC) No 1013/2006 of the European Parliament and of the Council of 14 June 2006 on shipments of waste Directive 94/62/EC of the European Parliament and of the Council of 20 December 1994 on packaging and packaging waste

# **Environmental Issues** Directive 2002/96/EC of the European Parliament and of the Council of 27 January 2003 on waste electrical and electronic equipment (WEEE) Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment Directive 2006/66/EC of the European Parliament and of the Council of 6 September 2006 on batteries and accumulators and waste batteries and accumulators and repealing Directive 91/157/EEC Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives Directive 2000/53/EC of the European Parliament and of 18 September 2000 on end-of life vehicles 32012L0019: Directive 2012/19/EU of the European Parliament and of the Council of 4 July 2012 on waste electrical and electronic equipment (WEEE) Text with EEA relevance **Noise** Council Directive of 6 February 1970 on the approximation of the laws of the Member States relating to the permissible sound level and the exhaust system of motor vehicles Directive 2000/14/EC of the European Parliament and of the Council of 8 May 2000 on the approximation of the laws of the Member States relating to the noise emission in the environment by equipment for use outdoors Directive 2002/49/EC of the European Parliament and of the Council of 25 June 2002 relating to the assessment and management of environmental noise **Soil Quality** Council Directive of 12 June 1986 on the protection of the environment, and in particular of the soil, when sewage sludge is used in agriculture Directive 2004/35/CE of 21 April 2004 on environmental liability with regard to the prevention and remedying of environmental damage Council Directive 92/43/EEC of 21 May 1992 on the conservation of **Nature Conservation and** natural habitats and of wild fauna and flora **Biodiversity** Council Decision 98/145/EC of 12 February 1998 on the approval, on behalf of the European Community, of the amendments to Appendices I and II to the Bonn Convention on the conservation of migratory species of wild animals as decided by the fifth meeting of the Conference of the parties to the Convention Directive 2009/147/EC of the European Parliament and of the Council of 30 November 2009 on the conservation of wild birds Occupational and Community Health and Safety Issues Occupational and Council Directive 89/391/EEC of 12 June 1989 on the introduction of **Community Health** measures to encourage improvements in the safety and health of and Safety workers at work

#### **Environmental Issues**

- Council Directive 89/654/EEC of 30 November 1989 concerning the minimum safety and health requirements for the workplace
- Council Directive 89/655/EEC of 30 November 1989 concerning the minimum safety and health requirements for the use of work equipment by workers at work (amending directives 95/63/EC and 2001/45/EC)
- Council Directive 89/656/EEC of 30 November 1989 on the minimum health and safety requirements for the use by workers of personal protective equipment at the workplace
- Council Directive 83/477/EEC of 19 September 1983 on the protection of workers from the risks related to exposure to asbestos at work
- Council Directive 90/269/EEC of 29 May 1990 on the minimum health and safety requirements for the manual handling of loads where there is a risk particularly of back injury to workers
- Council Directive 90/270/EEC of 29 May 1990 on the minimum safety and health requirements for work with display screen equipment
- Directive 2004/37/EC of the European Parliament and of the Council of 29 April 2004 on the protection of workers from the risks related to exposure to carcinogens or mutagens at work
- Directive 2000/54/EC of the European Parliament and of the Council of 18 September 2000 on the protection of workers from risks related to exposure to biological agents at work
- Council Directive 92/57/EEC of 24 June 1992 on the implementation of minimum safety and health requirements at temporary or mobile construction sites
- Council Directive 92/58/EEC of 24 June 1992 on the minimum requirements for the provision of safety and/or health signs at work
- Council Directive 92/85/EEC of 19 October 1992 on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding
- Directive 1999/92/EC of the European Parliament and of the Council of 16 December 1999 on minimum requirements for improving the safety and health protection of workers potentially at risk from explosive atmospheres
- Directive 2002/44/EC of the European Parliament and of the Council of 25 June 2002 on the minimum health and safety requirements regarding the exposure of workers to the risks arising from physical agents (vibration)
- Directive 2003/10/EC of the European Parliament and of the Council of 6 February 2003 on the minimum health and safety requirements regarding the exposure of workers to the risks arising from physical agents (noise)
- Directive 2004/40/EC of the European Parliament and of the Council of 29 April 2004 on the minimum health and safety requirements regarding the exposure of workers to the risks arising from physical agents (electromagnetic fields)

Environmental Issues		
	<ul> <li>Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work</li> <li>Council Directive 80/1107/EEC of 27 November 1980 on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work</li> <li>Council Directive 88/364/EEC of 9 June 1988 on the protection of workers by the banning of certain specified agents and/or certain work activities</li> <li>Council Directive 96/82/EC of 9 December 1996 on the control of major-accident hazards involving dangerous substances</li> <li>Directive (EU) 2016/798 of the European Parliament and of the Council of 11 May 2016 on railway safety</li> </ul>	
Other	<ul> <li>Council Directive of 27 June 1985 on the assessment of the effects of certain public and private projects on the environment</li> <li>Directive 2008/1/EC of the European Parliament and of the Council of 15 January 2008 concerning integrated pollution prevention and control</li> <li>Directive 2010/75/EC of the European Parliament and of the Council of 24 November 2010 concerning industrial emissions (integrated pollution prevention and control)</li> </ul>	