REPUBLIC OF TURKEY
MINISTRY OF TRANSPORT
AND INFRASTRUCTURE

AYGM
Altyapı Yatırımları Genel Müdürlüğü

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ENGINEERING
CONSULTANCY INC.



DİVRİĞİ-KARS-GEORGIA BORDER RAILWAY LINE REHABILITATION AND MODERNIZATION PROJECT

CULTURAL HERITAGE MANAGEMENT PLAN

CNR-ETMIC-CHMP-001

(Final)

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Report Submission Date	**December 2024**

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ABBREVIATIONS & ACRONYMS

AYGM	General Directorate of Infrastructure Investments
BTK	Baku-Tbilisi-Kars
CFP	Chance Find Procedure
CHMP	Cultural Heritage Management Plan
ESIA	Environmental and Social Impact Assessment
ESMP	Environmental and Social Management Plan
ESSs	Environmental and Social Standards
ETMIC	Eastern Türkiye Middle Corridor Railway Development Project
ICOMOS	International Council of Monuments and Sites
IFA	Institute of Field Archaeologists
No	Number
The Project	Divriği -Kars-Georgia Border Railway Line Rehabilitation and Modernization Project
UNESCO	United Nations Educational, Scientific and Cultural Organization
WB	World Bank

APPENDICES

APPENDIX-1 CULTURAL HERITAGE ELEMENTS IN THE PROJECT CONSTRUCTION AND IMPACT AREA
APPENDIX-2 CHANCE FIND PROCEDURE
APPENDIX-3 CHANCE FIND REPORT FORM
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1. INTRODUCTION

A comprehensive impact assessment study for cultural heritage has been carried out for the Divriği-Kars-Georgia Border Railway Line Rehabilitation and Modernization Project (referred to as "the Project"). This study aligns with local regulations and the guidelines set forth by the World Bank's Environmental and Social Standard 8 (ESS 8) Cultural Heritage.

The primary objective of this Cultural Heritage Management Plan (CHMP) is to protect the archaeological and cultural heritage situated within the Project's ambit while also minimizing any potential adverse effects resulting from the Project's implementation. The mitigation of impacts on both potential and existing archaeological and cultural heritage sites within the project impact area can be achieved through the development and execution of a comprehensive management plan.

In addition to the site visit to the project route and its immediate surroundings, desktop studies were also conducted. As a result of that study, some important cultural heritage assets have been identified in the immediate surroundings of the project route. These assets are presented in Appendix-1.

If necessary, in line with the opinion of the AYGM, all contractors will prepare their own specific CHMP to implement the requirements defined in this CHMP and it should be approved by AYGM before commencing construction and rehabilitation works. The Contractor will request from the sub-contractors to prepare their own Chance Find Procedures (CFPs) in accordance with CHMP. The compliance with the Project requirements of the prepared CFPs of the sub-contractors will be reviewed and followed up by the Contractor.

1.1. Scope

This CHMP applies to all project activities that have the potential to cause an impact on the cultural heritage. This includes especially all construction activities of the project and cultural protection measures, such as the Chance Find Procedures applicable for the Project.

Table 1. Sources of Impact

Phase	Description of Activity	Potential Receptors that may be Affected by the Activities
Rehabilitation phase	▪ Line infrastructure works, ▪ Line superstructure works ▪ Station Arrangements ▪ Electrification, Signaling, Telecommunication Works, etc.	▪ Architectural heritage ▪ Archaeological Sites ▪ Other Archaeological/ Historical Assets
Land preparation phase	▪ Removal of vegetation and/or trees ▪ Installation of fencing ▪ Traffic movements (vehicles and staff)	
Railway construction phase	▪ Topsoil stripping ▪ Excavations and quarry/borrow site operations, etc. ▪ Construction traffic movement ▪ Siting of construction sites and other Project /associated facilities ▪ Piling ▪ Landscaping/ earth-mounding ▪ Waste disposal including excess excavated materials ▪ Structures, installation features (bridges, signage, fencing, etc.) ▪ Installation of lighting scheme ▪ Presence of workforce ▪ Leaks and spills	
Operation phase	▪ N/A	

1.2. Objectives

The general objectives of this Management Plan are to:

- Outline the applicable legislation and standards with regards to the protection of Cultural Heritage;
- Identify the potential sources of impact on Cultural Heritage;
- Establish the approach and procedures to be adopted by the Project and Contractor for managing and mitigating impacts to cultural heritage during the construction phase of the Project;
- Define roles and responsibilities;
- Define monitoring and reporting procedures;
- Define training requirements;

2. LEGAL FRAMEWORK

In this section, the local and international legislation framework related to the management of cultural heritage is summarized.

2.1. Local Laws and Legislation

2.1.1. Legal Framework for Tangible Cultural Heritage

In Türkiye, the movable and immovable cultural and natural assets are under protection as dictated by the "**Law on Preservation of Cultural and Natural Assets", 2863**, which was published in the Official Gazette numbered 18113 and dated 23 July 1983. The cultural and natural heritage, which is protected by the aforementioned Law, are identified as:

- Natural properties which require protection and immovable assets which were built before the end of the 19th century;
- Any immovable cultural asset constructed after the end of the 19th century but categorized as "a significant asset which requires preservation" by the Ministry of Culture and Tourism;
- Immovable cultural assets located within the boundaries of Protection Sites; Structures, buildings or places that have witnessed significant historical events during the Turkish Independence War or the foundation of the Turkish Republic, regardless of their period and registration status; and all dwellings and buildings that have been used by Mustafa Kemal ATATURK without considering their period of construction or registration status.

In addition to Law no: 2863 on Preservation of Cultural and Natural Assets, there are some regulations and principle decisions governing the management of cultural and natural assets. According to the Principle Decision no: 658 taken on November 5th 1999, on "Archaeological Sites, Conditions of Protection and Usage", the archaeological sites are classified into three main categories:

1st Degree Archaeological Sites: Areas requiring highest level of protection, with the exception of scientific excavations aiming their protection. Neither construction nor development are allowed in these sites. All kinds of construction, excavation, and modification activities are prohibited within the boundaries of these sites. However, for exceptional cases such as the necessity for infrastructure construction, Regional Preservation Boards may permit such activities based on the approval of the relevant museum directorate and the head of the scientific excavation team.

2nd Degree Archaeological Sites: Sites which require medium level of protection. They should be preserved based on the conditions of protection and utilization set by the Regional Preservation Boards. Additional construction is prohibited. Similar to the 1st Degree Sites, for exceptional cases such as necessity for infrastructure construction among others, Regional Preservation Boards may permit such activities based on the approval of the relevant museum directorate and the head of the scientific excavation team.

3rd Degree Archaeological Sites: Lowest level of protection area. Construction is permitted based on the decisions of Regional Preservation Boards. Before applying for a construction permit, test pit excavations should be conducted and the outcomes of these excavations should be reviewed by the relevant museum and, if present, the head of the scientific excavation team. Reviews should be submitted to Regional Preservation Boards. The Boards may ask for extension of the scope of test pits before taking any decision.

Furthermore, Implementation Guidelines for Field Surveys, Test Pits and Excavation Works on Cultural and Natural Assets (Ministry approval number 94949537-160.99-51264, dated

13.03.2013) define the procedures for salvage excavations, archaeological test pits and other studies.

2.1.2. Legal Framework for Intangible Cultural Heritage

UNESCO put into effect the "Convention for the Safeguarding of the Intangible Cultural Heritage" in the 32nd General Conference held in Paris between September 29th and October 17th, 2003. The convention was officially accepted by the Republic of Türkiye with the "Law No. 5448 Regarding the Approval of the Convention of Safeguarding of Intangible Cultural Heritage on January 19th, 2006". The intangible cultural heritage legally safeguarded by the relevant law was defined as follows:

- Cultural products and production processes such as oral narratives and oral traditions created by the folk in oral culture environments and included in folklore studies, performance arts, social practices, rituals and festivals, folklore, practices related to the universe and nature, handcraft traditions.

2.2. International Standards

World Bank (WB) ESS 8 recognizes that cultural heritage provides continuity in tangible and intangible forms between the past, present, and future. People identify with cultural heritage as a reflection and expression of their constantly evolving values, beliefs, knowledge, and traditions. Cultural heritage, in its many manifestations, is important as a source of valuable scientific and historical information, as an economic and social asset for development, and as an integral part of people's cultural identity and practice. ESS8 sets out measures designed to protect cultural heritage throughout the project life cycle.

The term 'cultural heritage' encompasses tangible and intangible heritage, which may be recognized and valued at a local, regional, national, or global level, as follows:

- Tangible cultural heritage, which includes movable or immovable objects, sites, structures, groups of structures, and natural features and landscapes that have archaeological, paleontological, historical, architectural, religious, aesthetic, or other cultural significance. Tangible cultural heritage may be located in urban or rural settings, and may be above or below land or under the water; and
- Intangible cultural heritage, which includes practices, representations, expressions, knowledge, and skills—as well as the instruments, objects, artifacts, and cultural spaces associated therewith—that communities and groups recognize as part of their cultural heritage, as transmitted from generation to generation and constantly recreated by them in response to their environment, their interaction with nature, and their history.

Objectives of ESS 8 are:

- To protect cultural heritage from the adverse impacts of project activities and support its preservation.
- To address cultural heritage as an integral aspect of sustainable development.
- To promote meaningful consultation with stakeholders regarding cultural heritage.
- To promote the equitable sharing of benefits from the use of cultural heritage.
- Identify potential environmental and social opportunities, including those that would improve the environmental and social sustainability of the Project and the current operations.

The cultural heritage findings within the project impact area are given in Appendix-1.

3. ROLES AND RESPONSIBILITIES

AYGM will be responsible for the preparation and implementation of the environmental and social impact assessment-based management plans, which are project specific. These plans shall be practical, detailed procedures for use in the field. AYGM will ensure the implementation of the commitments stated in the ESIA, project specific plans and also shall comply with all relevant project standards, statutory requirements, permit and license conditions and secure all applicable permits and licenses.

Contractors (main contractor and sub-contractors) will be responsible for developing their own detailed and project specific CHMP. This CHMP will meet the minimum requirements defined by AYGM. The prepared CHMPs will be submitted to AYGM for the approval process.

The Contractor will fulfil all the requirements defined in their CHMP and ensure subcontractors are performing in line with the requirements of the CHMP.

If necessary, in line with the coordination of the AYGM, Contractors will establish an Archaeological Monitoring Team which will be composed of a qualified and adequate number of experts (such as archaeologists/art historian/ anthropologist). The archaeological monitoring team will be the responsible body for “regular cultural heritage preservation trainings (including trainings about CHMP and Chance Find Procedure (CFP)) to all construction-related staff”, “daily monitoring of the construction activities” and “establishment of good communications between the project and relevant official authorities such as Museums and the regional preservation boards”.

3.1. Official Responsible Bodies

The basic definitions regarding the management of cultural heritage for the project are given in the following bullets:

- Ministry of Culture and Tourism and its affiliated institutions such as the Museum Directorate and Regional Council for the Conservation of Cultural Property are the responsible authorities regarding all archaeological and cultural heritage related issues.
- For tangible cultural heritage Sivas, Erzincan, Tunceli, Erzurum and Kars Museum Directorates are responsible to dispatch experts to the sites within 24 hours after being informed and to officially identify the Chance Find (described in Appendix 2). Museum directorates are responsible for the management of excavation within the chance find area. Museum Directorates will follow the directions and decisions of the relevant Sivas, Erzurum and Kars Regional Council for the Conservation of Cultural Property (Table 2 and Table 3).
- For tangible cultural heritage, Sivas, Erzurum Kars and Regional Council for the Conservation of Cultural Property are the only decision maker on any intervention which would be made on the site after the chance find.
- Sivas, Erzincan, Tunceli, Erzurum, Kars and Ardahan Provincial Directorates of Culture and Tourism are the decision makers on intangible cultural heritage (Table 4).

Table 2. Responsible Regional Council for the Conservation of Cultural Property

REGIONAL COUNCIL FOR THE CONSERVATION OF CULTURAL PROPERTY	CONTACT INFORMATION		
	ADRESS	PHONE	E-MAIL
Kars Regional Council for the Conservation of Cultural Property	Cumhuriyet Mahallesi İnönü Caddesi No:12 36000 Merkez/KARS	(0474) 212 40 72	karskurul@kulturturizm.gov.tr

REGIONAL COUNCIL FOR THE CONSERVATION OF CULTURAL PROPERTY	CONTACT INFORMATION		
	ADRESS	PHONE	E-MAIL
Erzurum Regional Council for the Conservation of Cultural Property	Yeni Hükümet Konağı Kat: 5 ERZURUM	(0442) 233 26 51 (0442) 233 15 89	erzurumkurul@ktb.gov.tr
Sivas Regional Council for the Conservation of Cultural Property	Halil Rıfatpaşa Mahallesi Mum Baba Caddesi No:8 58030 Merkez / SİVAS	(0346) 221 88 57 (0346) 221 96 00	sivaskurul@ktb.gov.tr

Table 3. Responsible Regional Museum Directorate

MUSEUM DIRECTORATE	CONTACT INFORMATION		
	ADRESS	PHONE	E-MAIL
Kars Museum Directorate	İstasyon, Cumhuriyet Cd. No:385, 36000 KARS	(0474) 212 14 30	karsmuzesi@kulturturizm.gov.tr
Erzurum Museum Directorate	Yenişehir Cad. Muratpaşa Mah. No:27 Yakutiye / ERZURUM	(0442) 233 04 14	erzurummuzesi@ktb.gov.tr
Erzincan Museum Directorate	Atatürk Mahallesi, Ali Kemal Caddesi, 75. Yıl Kültür Kompleksi Merkez/ERZİNCAN	(0446) 214 80 21	erzincanmuzesi@ktb.gov.tr
Tunceli Museum Directorate	Moğultay Mahallesi, Av. Ali Demir Caddesi No:5/1 Merkez / TUNCELİ	(0428) 212 10 12-38	tuncelimuzesi@ktb.gov.tr
Sivas Museum Directorate	Yüceyurt Mahallesi Rahmi Günay Caddesi Arkeoloji Müzesi SİVAS	(0346) 221 04 46	sivasmuzesi@ktb.gov.tr

Table 4. Responsible Provincial Directorate of Culture and Tourism

PROVINCIAL DIRECTORATE OF CULTURE AND TOURISM	CONTACT INFORMATION		
	ADRESS	PHONE	ADRESS
Ardahan Provincial Directorate of Culture and Tourism	Karagöl Mahallesi Mareşal Fevzi Çakmak Cad. No:21 ARDAHAN	(0478) 211 48 58	iktm75@kulturturizm.gov.tr
Kars Provincial Directorate of Culture and Tourism	Cumhuriyet Mh. Hakim Ali Rıza Aslan Sok. No: 15 KARS	(0474) 212 21 79	iktm36@kulturturizm.gov.tr
Erzurum Provincial Directorate of Culture and Tourism	Müftü Solakzade Mah. Meşrutiyet Cad. No:25-29 Palandöken / ERZURUM	(0442) 280 17 00	iktm25@ktb.gov.tr
Erzincan Provincial Directorate of Culture and Tourism	Atatürk Mahallesi Kültür Merkezi Barış Manço Park İçi ERZİNCAN	(0446) 280 17 00	iktm24@kulturturizm.gov.tr
Tunceli Provincial Directorate of Culture and Tourism	Tunceli Kültür Merkezi Binası Atatürk Mh. Ali Büyükdağ Cd. No:1 62000 Merkez/TUNCELİ	(0428) 280 17 00	iktm62@ktb.gov.tr
Sivas Provincial Directorate of Culture and Tourism	Muhsin Yazıcıoğlu Kültür Merkezi Kadıburhanettin Mah.Turgut ÖZAL Bulvarı No: 11 58030 SİVAS	(0346) 280 17 00	iktm58@kulturturizm.gov.tr

3.2. Project's Responsible Bodies

Contractor will be responsible for the preparation and implementation of the environmental and social impact assessment-based management plans, which have to be project-specific. These plans shall be applicable and detailed procedures for use in the field have to be furnished. The contractor will ensure the implementation of the commitments stated in the ESIA and ESMP, project-specific plans, and also shall comply with all relevant project standards, statutory requirements, permit and license conditions and secure all applicable permits and licences.

The responsibilities of the contractor are given below:

- The contractor is responsible for the management of the plan and implementing the procedures about cultural heritage and archaeological aspects of the Project.
- The Contractor is responsible for periodically consulting with communities within the impact area during the project activities and resolving any potential negative circumstances that may occur in relation with the cultural heritage of local communities.
- The Contractor is responsible for establishing a complaint mechanism within the scope of the Project, through which complaints related to cultural heritage can be submitted, and they are periodically monitored for producing solutions.
- In case of a cultural heritage related salvage and/or test excavation (including restoration/conservation) required, the Contractor is responsible to provide the necessary staff, technical assistance, other necessary services and equipment.
- If necessary, Contractor should accommodate sufficient number archaeologists (as cultural heritage monitoring expert) in all areas of the project with regards to the daily archaeological monitoring activities during the construction phase. The assignment of the monitoring archaeologists shall be completed before the construction activities of the project, and the name and posts of the archaeologists will be specified in the organization chart of the project in all documents.
- In coordination with AYGM, the Environmental and Social Manager of the Contractor will be in charge of the cultural heritage/archaeological monitoring expert/s and their daily, weekly and monthly activities.

The responsibilities of the **cultural heritage/archaeological monitoring expert/s** are given below:

- The expert/s is/are responsible to implement the monitoring activities with regard to the project's impact on the cultural heritage assets during the design, land preparation, construction phases.
- Monitoring of the daily construction works during the project construction period will be the responsibility of the monitoring the expert/s.
- The cultural heritage/archaeological monitoring expert/s will work with the equipment operators and have authority to stop the work. The expert/s will accompany all ground disturbance activities of the project.
- The expert/s will instruct the operator to stop the work in case of a chance find. Resuming ground disturbance activities after a chance find will also be under the authority of the expert/s.
- Cultural heritage monitoring reports (daily, weekly and monthly) will be submitted to Environmental and Social Manager by the cultural heritage/archaeological monitoring expert/s.
- The expert/s of the Project will train the employees about CHMP and CFP.
- The expert/s will ensure that CHMP and CFP are adequately enforced during all ground disturbance activities.
- The expert/s is/are responsible to establish good governance between the project management side and official responsible bodies (such as museum directorates and Regional Council for the Conservation of Cultural Property).

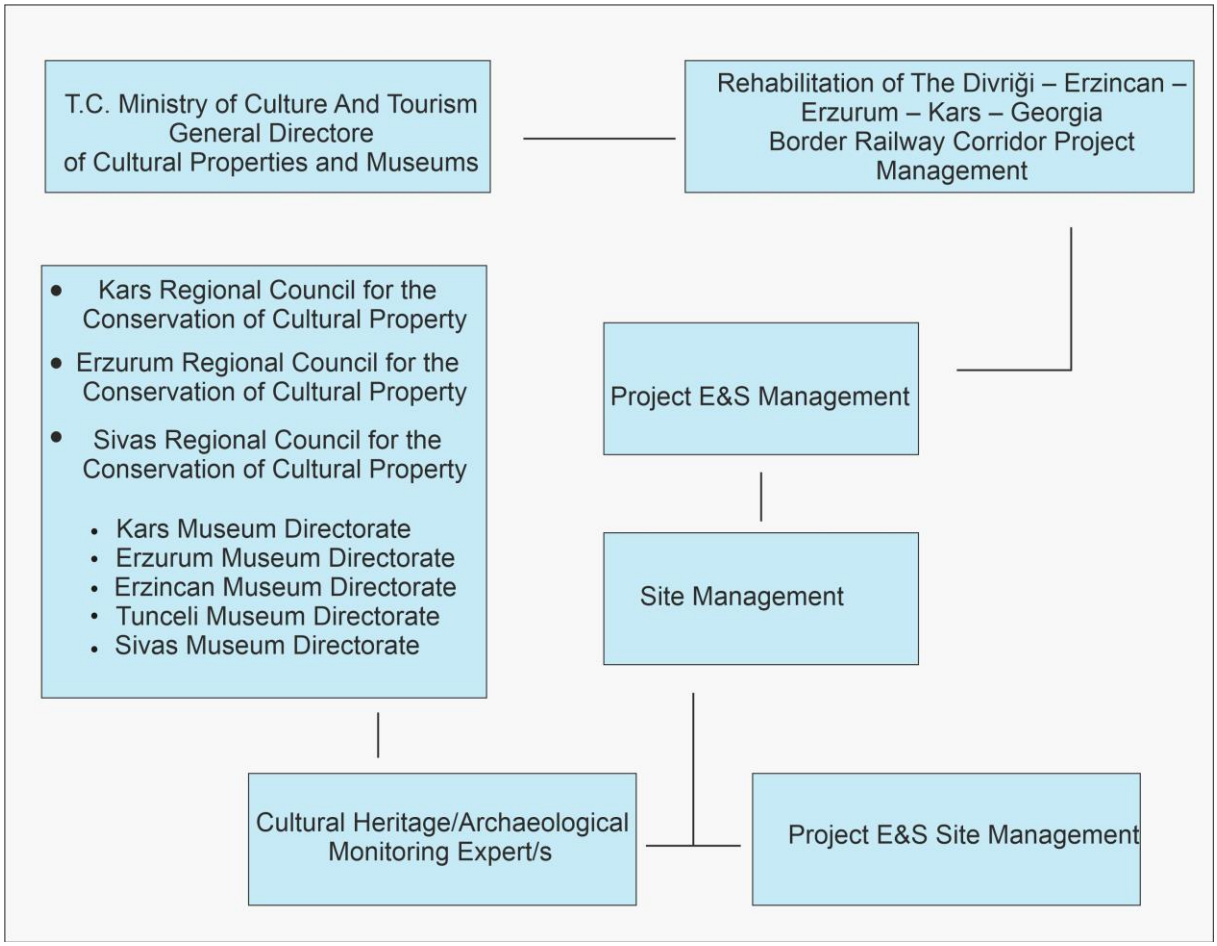


Figure 1. Management Structure

4. MITIGATION MEASURES AND MANAGEMENT CONTROLS

Regardless of its degree of importance, in case of encountering any cultural heritage; Project activities in the finding area shall be stopped immediately. For tangible cultural heritage, relevant Museum Directorate, for intangible cultural heritage, relevant Provincial Directorates of Culture and Tourism should be notified within 3 days in line with the legislation. The procedure given in “Appendix 2” that must be followed in case of encountering a chance find is based on national legislation and provisions of international standards and best practices. Description of the significance levels of the findings is given below. The following levels are applicable only to tangible cultural heritage.

Following the completion of investigation of the relevant official directorate, the necessary arrangements, such as the identification of the boundaries of the cultural heritage asset/site (finding), its protection by taking necessary measures, notification of workers to prevent any physical intervention, will be implemented.

Minor Significance

This type of findings is comprised of a finding isolated from its environment or findings in notably small sizes which may be found by chance. In this case, CFP (Appendix-2) will be followed.

Moderate Significance

This type of findings is small scale findings in groups or single findings with medium size architectural elements such as tombs. In this case, CFP (Appendix-2) will be followed. In order to prevent a possible damage, necessary arrangements must be made to determine the boundaries of the archaeological remains to keep the construction equipment out of access.

Major Significance

This type of findings is comprised of findings with great importance such as a settlement area, a tumulus, a mound or a big necropolis (wide graveyard areas with archaeological characteristics) and the construction activities must be immediately stopped and CFP (Appendix-2) will be followed. This type of chance find may cover the entire construction site and the relevant project areas such as camp sites, quarries, soil stock area etc. that the entrance and exit of the construction equipment and vehicles cannot be managed without giving any damage to the archaeological remains.

5. TRAINING, REPORTING AND MONITORING

5.1. Training

The cultural heritage/archaeological monitoring expert/s will provide cultural heritage training to all relevant project staff to get capacity building with regards to cultural heritage importance and preservation including the implementation of the CFP as part of their Environmental Training.

All on-site construction staff will be trained in the implementation of the CFP, and they shall be provided with a basic identification of cultural heritage resources of the area to help them the identification of chance finds.

The expert/s will receive “environmental training” as well as specialized training for the procedures to follow for all ground disturbance activities. These trainings will be repeated periodically. The records of the training such as attendee list, the presentation made during the training, etc. will be kept by the cultural heritage experts as hard copy and electronical copy.

5.2. Reporting

The cultural heritage/archaeological monitoring expert/s will record chance finds on the Chance Find Report Form and the Chance Find Register as per the CFP given in “Appendix 4”. The register will be kept up to date by the experts. The Chance Find Report Form will be kept in hard copy and as electronical copy within the main project archives. A summary of the status of chance finds will be reported by the experts to Environmental and Social Manager on a weekly basis.

5.3. Monitoring

The function of the archaeological monitoring process will be as follows:

- Provide advice to define the areas where the construction activities may continue or shall be stopped due to archaeological/movable/immovable cultural heritage findings.
- To record archaeological/cultural heritage features observed on, and close to the existing project related areas.
- To record archaeological/cultural heritage features discovered during project construction activities.
- To provide advice in the form of a ‘preliminary assessment’ to the relevant department on the significance and implications of new archaeological discoveries on the project construction areas.

All ground disturbance activities will be monitored by cultural heritage/archaeological monitoring expert/s during the construction activities. In case of encountering any archaeological/cultural heritage findings, the Chance Find Procedure described in Appendix-2 will be initiated.

The schedule for monitoring will be developed in coordination with the construction schedule. Monitoring activities will be implemented daily on site. The monitoring schedule will be dictated by the construction schedule as determined by the construction management.

6. REFERENCES

- General Directorate of Preservation of Cultural and Historical Heritage, “Law on Protection of Cultural and Natural Assets (1) Law No. 2863”, 1983.
- “Law No. 5448 Regarding the Approval of the Convention of Safeguarding of Intangible Cultural Heritage on January 19th, 2006”.
- Law No. 4848 on the Organization and Duties of the Ministry of Culture and Tourism (Official Gazette No. 25093 dated 29.04.2003).
- ICOMOS (International Council of Monuments and Sites) “Guidance on Impact Assessment for Cultural World Heritage”, January 2011.
- CIFA, Standard and Guidance for the Collection, Documentation, Conservation and Research of Archaeological Materials, 2014
- CIFA, Standard and Guidance for Historic Environment Desk-Based Assessment, 1994 (revised in 1999).
- CIFA, Standard and Guidance for An Archaeological Watching Brief 1994 (revised in 1999).
- CIFA, Standard and Guidance for Archaeological Field Evaluation, 1994 (revised in 1999).
- UNESCO, “Convention Concerning the Protection of the World Cultural and Natural Heritage”, November 1972.

APPENDIX-1 CULTURAL HERITAGE ELEMENTS IN THE PROJECT CONSTRUCTION AND IMPACT AREA

No	Receptor	Project Phase	Value of Heritage Asset	Impact Magnitude				Significance of Impact (Either Adverse or Beneficial)	Description of Impact and Mitigation Measures*
				Scale & Severity of Change/ Impact	Reversibility	Duration	Frequency		
1	Kemaliye Çaltı Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
2	Adatepe (pingen) Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
3	Bağıştaş Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
4	Güllübağ Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
5	Eriç Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
6	Kemah Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
7	Alp Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
8	Dumanlı Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/ Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
9	Erzincan Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
10	Altınbaşak Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Low	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
11	Tanyeri Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/ Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
12	Bridge 1 (Unknown Registration Status) Within the Route Axis	All Project Phases	Medium	Minor Change	Irreversible	Short-term	One-off	Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property and complying with the decision taken by the council, * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
13	Bridge 2 (Unknown Registration Status) Within the Route Axis	All Project Phases	Medium	Minor Change	Irreversible	Short-term	One-off	Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property and complying with the decision taken by the council, * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,

No	Receptor	Project Phase	Value of Heritage Asset	Impact Magnitude				Significance of Impact (Either Adverse or Beneficial)	Description of Impact and Mitigation Measures*
				Scale & Severity of Change/ Impact	Reversibility	Duration	Frequency		
14	Geçit Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
15	Demirkapı Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
16	Altınkent Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
17	Akyurt Castle (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
18	Kötür Bridge (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
19	Mercan Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
20	Çadırkaya Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
21	Erbaş Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
22	Karasu Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
23	Bridge 3 (Unknown Registration Status) Within the Route Axis	All Project Phases	Medium	Minor Change	Irreversible	Short-term	One-off	Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property and complying with the decision taken by the council, * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
24	Saptıran Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Low	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
25	Aşkale Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
26	Kandilli Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/ Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
27	Bridge 4 (Unknown Registration Status) Within the Route Axis	All Project Phases	Medium	Minor Change	Irreversible	Short-term	One-off	Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property and complying with the decision taken by the council, * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,

No	Receptor	Project Phase	Value of Heritage Asset	Impact Magnitude				Significance of Impact (Either Adverse or Beneficial)	Description of Impact and Mitigation Measures*
				Scale & Severity of Change/ Impact	Reversibility	Duration	Frequency		
28	Çiçekli Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Low	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
29	Kaplıca (Ilıca) Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
30	Erzurum Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
31	Vank Hoyuk (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
32	Vank Mevkii Military Trenches (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
33	Bunker 1 (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
34	Bunker 2 (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
35	Bunker 3 (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
36	Uzun Ahmet Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
37	Alvar Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Low	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
38	Hasankale Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
39	Köprüköy Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
40	Bridge 5 (Unknown Registration Status) Within the Route Axis	All Project Phases	Medium	Minor Change	Irreversible	Short-term	One-off	Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property and complying with the decision taken by the council, * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
41	Karaçuha Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Low	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
42	Horasan Railway Station	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property

No	Receptor	Project Phase	Value of Heritage Asset	Impact Magnitude				Significance of Impact (Either Adverse or Beneficial)	Description of Impact and Mitigation Measures*
				Scale & Severity of Change/ Impact	Reversibility	Duration	Frequency		
	(Unknown Registration Status) Outside the Route Axis								* Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
43	Hızırilyas Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
44	Bridge 6 (Unknown Registration Status) Within the Route Axis	All Project Phases	Medium	Minor Change	Irreversible	Short-term	One-off	Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property and complying with the decision taken by the council, * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
45	Bridge 7 (Unknown Registration Status) Within the Route Axis	All Project Phases	Medium	Minor Change	Irreversible	Short-term	One-off	Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property and complying with the decision taken by the council, * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
46	Bridge 8 (Unknown Registration Status) Within the Route Axis	All Project Phases	Medium	Minor Change	Irreversible	Short-term	One-off	Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property and complying with the decision taken by the council, * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
47	Bridge 9 (Unknown Registration Status) Within the Route Axis	All Project Phases	Medium	Minor Change	Irreversible	Short-term	One-off	Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Erzurum Regional Council for the Conservation of Cultural Property and complying with the decision taken by the council, * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
48	Süngütaşı Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Kars Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
49	Zivin Castle (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Kars Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
50	Topdağı Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Kars Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
51	Köroğlu Mevkii Architecture Remains (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Kars Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
52	Soğanlı Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Low	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Kars Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
53	Aşit Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Kars Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
54	Sarıkamış Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Kars Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
55	Selim Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Kars Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,

No	Receptor	Project Phase	Value of Heritage Asset	Impact Magnitude				Significance of Impact (Either Adverse or Beneficial)	Description of Impact and Mitigation Measures*
				Scale & Severity of Change/ Impact	Reversibility	Duration	Frequency		
56	Benli Ahmet Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/ Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Kars Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
57	Kars Railway Station (Unknown Registration Status) Outside the Route Axis	All Project Phases	Medium	Negligible Change	Irreversible	Short-term	One-off	Neutral/Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Kars Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,
58	Kesdoğan Castle 1. Degree Archaeological Site (Registered Archaeological Site Sivas Regional Council Decision No: NA) Outside the Route Axis	All Project Phases	High	Negligible Change	Irreversible	Short-term	One-off	Slight	Before the project activities, the following procedures regarding cultural assets preservation should be fulfilled; * Notifying the Sivas Regional Council for the Conservation of Cultural Property * Marking the designated places as sensitive areas on the project/construction drawings. * Archaeological monitoring,

* The present legal procedures must be followed. After the completion of legal procedures, additional measures can be developed, taken and implemented in accordance with the decisions of the relevant responsible authorities of the Republic of Türkiye.

APPENDIX-2 CHANCE FIND PROCEDURE

I. Introduction

There is possibility of encountering some unknown archaeological sites and cultural heritage assets as a Chance Find during project construction activities. Contractor is responsible for the management and protection of cultural heritage resources within the Divriği-Kars-Georgia Border Railway Line Rehabilitation and Modernization Project.

Purpose

The purpose of this document is to outline the procedure and respective responsibilities in relation to the management of Chance Finds during project construction works.

The procedure applies to all project activities within the project impact and other project related areas.

Definitions

CHANCE FIND	Potential cultural heritage objects, features or sites that are identified outside of a formal site reconnaissance, normally as a result of construction monitoring.
MUSEUM DIRECTORATES	Kars Museum Directorate Erzurum Museum Directorate Erzincan Museum Directorate Tunceli Museum Directorate Sivas Museum Directorate
REGIONAL PRESERVATION BOARDS	Kars Regional Council for the Conservation of Cultural Property Erzurum Regional Council for the Conservation of Cultural Property Sivas Regional Council for the Conservation of Cultural Property
PROJECT	Divriği-Kars-Georgia Border Railway Line Rehabilitation and Modernization Project
SHALL AND MUST	Indicates mandatory requirements.
SHOULD	Indicates that a provision is not mandatory but recommended as good practice.

Abbreviations

AYGM	General Directorate of Infrastructure Investments
CHMP	Cultural Heritage Management Plan
E&S	Environmental and Social
ESIA	Environmental and Social Impact Assessment

References

STANDARDS, LEGISLATIONS and LAWS
Ministry of Culture and Tourism, Law No:2863, **Preservation of Cultural and Natural Assets**
Ministry of Culture and Tourism, Principle Decision No: 658, **Archaeological Sites, Conditions of Protection and Usage**
World Bank (WB) **ESS 8**

II. Roles and Responsibilities

Contractor is responsible for complying with the procedure for onsite activities during project construction activities. All relevant employees involved in construction works will be trained in relation the implementation of the procedure. Contractor will request to prepare a project-specific chance find procedure from all sub-contractors. The sub-contractors will be in charge of the preparation and the implementation of their own chance find procedures in line with the prepared main document by Contractor.

Project Role	Responsibilities
Project Manager	▪ Ensure E&S issues are being adequately addressed on site by all related departments. ▪ Support E&S site providing adequate resources on site to implement E&S monitoring and inspection activities.
E&S Manager	▪ Preparation or revision of E&S documentation plans and procedures as required. ▪ Participation in the identification process of significant impacts for the project and assisting to develop relevant preventive and corrective actions. ▪ Coordination of environmental and social information flow. ▪ Ensuring that E&S mitigation measures are implemented and controlled during the project construction activities. ▪ Developing and implementation of an environmental and social audit program and sharing lessons learned between all related departments and staff. ▪ Managing environmental inspectors, community liaison officers and cultural heritage/archaeological monitoring expert/s on site. ▪ Maintaining effective communication with the construction and project management team. ▪ Ensuring the implementation of ESMP mitigation measures, through on-site daily inspection, advice and assistance to site construction and project management and personnel on all environmental, social and cultural heritage matters. ▪ Day-to-day monitoring of construction activities as they related to E&S performance. ▪ Implementing NCR or Corrective Actions as required, and track closure. ▪ Participating audits relating to E&S matters. ▪ Planning and managing the environmental and social trainings for all project staff on Cultural Heritage Preservation and related procedures. ▪ Daily reporting of E&S issues in construction activities to Site Management. ▪ Weekly reporting of E&S issues in construction activities to Site Management. ▪ Participating to meetings related to Cultural Heritage issues.
Cultural Heritage/Archaeological Monitoring Expert/s	▪ Provides advice in the form of a ‘preliminary assessment’ to the site and E&S managers on the significance and implications of new archaeological discoveries in the project activity areas. ▪ Ensures Chance Find Procedure is followed, ▪ Conducts and documents pre-construction surveys. Records archaeological features discovered during pre-construction and ground disturbance activities.

Project Role	Responsibilities
	▪ Determines the needs for cultural heritage resources protection and implement mitigation measures. ▪ Has the authority to stop ground disturbance activities to investigate potential chance finds. ▪ Ensures that the relevant cultural heritage signs are displayed where and when required. ▪ Implements chance find procedure and provides expertise during a chance find. ▪ Delivers cultural heritage preservation trainings to all project staff. ▪ Issues non-compliances when required and ensures all corrective actions are completed in a timely manner. ▪ Provides daily field and monitoring reports to the E&S manager.

III. Chance Find Process

Cultural heritage/archaeological monitoring expert/s will be on site during all construction and ground disturbance activities to watch for the presence of cultural heritage resources. The following table outlines the step-by-step process to be followed upon a chance find discovery.

<table>
<tr><td colspan="2">STEP 1 – After the Discovery of a Chance Find:

▪ All work must cease at the location where the discovery is made.
▪ A temporary buffer zone around the chance find will be put in place.
▪ The cultural heritage/archaeological monitoring expert/s will contact the Contractor site management and museum expert immediately.
▪ The cultural heritage/archaeological monitoring expert/s will properly secure the chance find site: flagging, no-entry signs etc.
▪ Protection of site: the chance find should not be moved, removed or further disturbed</td></tr>
<tr><td colspan="2">STEP 2 - Recording

▪ The cultural heritage/archaeological monitoring expert/s will fill out Chance Find Form Part A and send a copy to E&S manager within 24 hours.
▪ The cultural heritage/archaeological monitoring expert/s will retain a copy of Chance Find form for his/her record.</td></tr>
<tr><td colspan="2">STEP 3 – Contact with Local Authority

▪ The cultural heritage/archaeological monitoring expert/s will notify the relevant Museum Directorate for the chance find</td></tr>
<tr><td colspan="2">STEP 4 – Authority’s Decision

▪ The relevant Museum archaeologist will assess the value of the chance find and take corresponding actions.</td></tr>
<tr><td>STEP 4 A – No Significance to Site

▪ The museum archaeologist declares that the site is considered to be of no significance.
▪ The cultural heritage/archaeological monitoring expert/s informs relevant managers.
▪ The cultural heritage/archaeological monitoring expert/s records the decision on Part B of Chance Find form and sends a copy to E&S manager within 24 hours.
▪ The cultural heritage/archaeological monitoring expert/s retains a copy of Chance Find form for his/her record.
▪ No further actions required.
▪ This step closes out the chance find procedure.
▪ Construction activities may resume.</td><td>STEP 4 B – Significance to Site

▪ The museum archaeologist declares that the site is considered to be of significance.
▪ Museum directorate archaeologist decides on further actions and informs the cultural heritage/ archaeological monitoring expert/s. The Monitoring Expert/s informs relevant managers.
▪ Cultural heritage/archaeological monitoring expert/s records the decision on Part B of Chance Find form.
▪ Proceed to Step 5</td></tr>
<tr><td colspan="2">STEP 5 – Site investigation</td></tr>
</table>

▪ Project personnel follows the relevant Archaeology Museum Directorate archaeologist's instructions.		
▪ After field investigation, Museum archaeologist declares **the site has minor significance.** ▪ The cultural heritage/archaeological monitoring expert/s inform their managers. ▪ The cultural heritage/archaeological monitoring expert/s records the decision on Chance Find Form Part C and sends a copy to E&S manager within 24 hours. ▪ The cultural heritage/archaeological monitoring expert/s retains a copy of Chance Find form for his/her records. ▪ No further actions required. ▪ This step closes out the chance find procedure. ▪ ***Construction activities may resume***	▪ After field investigation, Museum archaeologist declares **the site has moderate significance.** ▪ Further studies such as test pit / salvage excavations or remote sensing investigation are to be completed. ▪ Museum Directorate archaeologist provides instructions, and/or supervision for the studies. ▪ The cultural heritage/archaeological monitoring expert/s informs their managers. ▪ Under the supervision of the museum archaeologist, project management provides a study team. The team will be composed of qualified archaeologists, other experts and workers. ▪ Once the studies/excavation is completed, the study team provides a report to the Museum Directorate, ▪ The Museum Directorate reports the study outcomes to the relevant Regional Councils for the Conservation of Cultural Property. ▪ The relevant Regional Councils for the Conservation of Cultural Property officially confirms completion of recovery and informs the project management. ▪ The cultural heritage/archaeological monitoring expert/s records the decision on Chance Find Form Part C and sends a copy to E&S manager within 24 hours. ▪ The cultural heritage/archaeological monitoring expert/s retains a copy of Chance Find form for his/her record. ▪ No further actions required. ▪ This step closes out the chance find procedure. ▪ **Construction activities may resume**	▪ After field investigation, Museum archaeologist declares **the site has major significance.** ▪ Salvage excavation is to be completed. ▪ Site is to be treated according to Turkish archaeological regulations "Law on the Conservation of Cultural and Natural Property (2863) 21.07.1983. ▪ Museum Directorate archaeologist provides instructions, and/or supervision for test pit/salvage archaeological excavation. ▪ The cultural heritage/archaeological monitoring expert/s inform their managers. ▪ Under the supervision of the Museum archaeologist, project management provides a salvage excavation team. The team will be composed of qualified archaeologist and workers. ▪ Once the excavation is completed, salvage excavation team provides a report to the Museum Directorate ▪ The relevant Regional Councils for the Conservation of Cultural Property officially confirms completion of recovery and informs the project management. ▪ Site will be officially recorded and protected according to Turkish regulations. ▪ The cultural heritage/archaeological monitoring expert/s inform to the related managers. ▪ The cultural heritage/archaeological monitoring expert/s records the decision on Chance Find Form Part C and sends a copy to E&S manager within 24 hours. ▪ The cultural heritage/archaeological monitoring expert/s retains a

		copy of Chance Find form for his/her record. ▪ No further actions required. ▪ This step closes out the chance find procedure. ▪ ***Construction activities may resume, or preventive further actions are needed***

It is important to note that in case human remains are found, all project team and the local authorities will be immediately notified.

IV. Monitoring and Reporting

The cultural heritage/archaeological monitoring expert/s will visually monitor all construction areas or other ground disturbance activities for evidence of presence of cultural heritage items. Therefore, sufficient number of monitoring experts should be assigned and kept in the construction area during the project construction period.

Chance Finds will be recorded on the Chance Find Report Form (see Appendix-3). All Chance Find Report forms will be kept in hard copy at the camp and will also be scanned and saved electronically after completion of each section of the form.

Chance Finds will be recorded in the Chance Find Register (see Appendix-4) which will be kept up to date by Monitoring Expert/s. It will be reviewed in regular E&S meetings (weekly or monthly).

APPENDIX-3 CHANCE FIND REPORT FORM

CHANCE FIND REPORT FORM
RASLANTISAL BULUNTU RAPOR FORMU

PART A **BÖLÜM A**			
Project Location: *Proje Sahası*	District (İlçe): Village (Köy):	Date: *Tarih*	Form No:
Name of person reporting chance find: *Rastlantısal buluntuyu rapor eden kişinin ismi*			
Was work stopped in the immediate vicinity of the chance find? *Rastlantısal buluntunun tam çevresinde iş durduruldu mu?*	☐ Yes *Evet*	☐ No *Hayır*	
Was a buffer zone created to protect the chance find? *Rastlantısal buluntuyu korumak için tampon bölge oluşturuldu mu?*	☐ Yes *Evet*	☐ No *Hayır*	
NOTIFICATION ***BİLDİRİM***			
Site manager and E&S manager contacted *Saha Müdürü ve Çevre müdürü ile irtibata geçildi*	☐ Yes *Evet*	☐ No *Hayır*	
CHANCE FIND DETAILS ***RASLANTISAL BULUNTU AYRINTILARI***			
GPS coordinates *GPS koordinatları*	Photo record ☐ Yes ☐ No (HD quality – no cell phone photos) *Fotoğraf kaydı Evet Hayır* *(HD kalitesinde – cep telefonu fotoğrafı değil)* If not, explain why: *Yok ise nedenini açıklayınız* Other records ☐ Yes ☐ No Specify (drawings, HD quality videos, etc.): *Diğer kayıtlar Evet Hayır* *Belirtin (çizimler, HD kalite videolar, vb.)*		

Description of chance find:

Rastlantısal buluntunun tanımı

Description of site and vegetation: (e.g. surface sediment type, ground surface visibility, distance to closest watercourse, etc.)

Sahanın ve bitki örtüsünün tanımı: (örn. Yüzey sediman türü, yüzey zemin görünürlüğü, en yakın suyoluna olan mesafe, vb.)

PART B

BÖLÜM B

NOTIFICATION OF MUSEUM DIRECTORATE ARCHAEOLOGIST

MÜZE MÜDÜRLÜĞÜ ARKEOLOĞUNA BİLDİRİ

Monitoring archaeologist contacted museum directorate archaeologist ☐ Yes ☐ No

Arkeolog müze müdürlüğü arkeoloğu ile irtibata geçti. *Evet* *Hayır*

Date of notification:

Bildirim tarihi

Name of museum directorate and Name of museum archaeologist:

Müze müdürlüğü ve Müze müdürlüğü arkeoloğunun ismi

Contact number of museum directorate archaeologist:

Müze müdürlüğü arkeoloğunun iletişim numarası

DECISION OF MUSEUM DIRECTORATE ARCHAEOLOGIST

MÜZE MÜDÜRLÜĞÜ KARARI

Date of site visit:

İlk saha ziyaret tarihi:

☐ Site of no significance - Construction to proceed with no further action – End of chance find procedure *Önemsiz saha – İnşaat daha fazla araştırma yapılmadan devam edilebilir – rastlantısal buluntu prosedürün sonu.* Date of notice to resume work: *İşe başlama tarihi bildirisi*	☐ Site of significance - Further actions required *Önemli saha – Ek araştırma gerekmektedir* Please Fill out Part C *Lütfen Bölüm C'yi doldurun.*

Name of museum directorate archaeologist:

Müze müdürlüğü arkeoloğunun ismi

Contact information:

İletişim numarası

Site manager and E&S manager contacted	☐ Yes	☐ No
Saha Müdürü ve Çevre müdürü ile irtibata geçildi	Evet	Hayır

PART C

BÖLÜM C

FURTHER FIELD INVESTIGATION

EK SAHA ARAŞTIRMASI

☐ Site of minor significance *Önemsiz saha*	☐ Site of moderate significance *Az önemli saha*	☐ Site of major significance *Çok önemli saha*

Describe additional work to be conducted:

Yapılması gereken ek işlerin tanımları

Date started: *Başlangıç tarihi*	Date completed: *Bitiriş tarihi*
Date of notice to resume work: *İşe başlama tarihi bildirisi*	
Name of museum directorate archaeologist: *Müze müdürlüğü arkeoloğunun ismi:* Contact information: *İletişim numarası*	
Construction manager contacted *İnşaat müdürü ile irtibata geçildi*	☐ Yes *Evet* ☐ No *Hayır*

APPENDIX-4 CHANCE FIND REGISTER

CHANCE FIND REGISTER						
DATE OF FIND	**SUMMARY OF CHANCE FIND**	**NAME OF AUTHORITY NOTIFIED**	**ACTION TAKEN**	**CHANCE FIND FORM COMPLETED**	**STATUS OPEN OR CLOSED**	**REMARKS**

APPENDIX-5 CONTACT INFORMATION

REGIONAL COUNCIL FOR THE CONSERVATION OF CULTURAL PROPERTY	CONTACT INFORMATION		
	ADRESS	PHONE	E-MAIL
Kars Regional Council for the Conservation of Cultural Property	Cumhuriyet Mahallesi İnönü Caddesi No:12 36000 Merkez/KARS	0474 2124072	karskurul@kulturturizm.gov.tr
Erzurum Regional Council for the Conservation of Cultural Property	Yeni Hükümet Konağı Kat: 5 ERZURUM	(0442) 233 26 51 (0442) 233 15 89	erzurumkurul@ktb.gov.tr
Sivas Regional Council for the Conservation of Cultural Property	Halil Rıfatpaşa Mahallesi Mum Baba Caddesi No:8 58030 Merkez / SİVAS	(0346) 221 88 57 (0346) 221 96 00	sivaskurul@ktb.gov.tr
MUSEUM DIRECTORATE	**CONTACT INFORMATION**		
	ADRESS	**PHONE**	**E-MAIL**
Kars Museum Directorate	İstasyon, Cumhuriyet Cd. No:385, 36000 KARS	(0474) 212 14 30	karsmuzesi@kulturturizm.gov.tr
Erzurum Museum Directorate	Yenişehir Cad. Muratpaşa Mah. No:27 Yakutiye / ERZURUM	(0442) 233 04 14	erzurummuzesi@ktb.gov.tr
Erzincan Museum Directorate	Atatürk Mahallesi, Ali Kemal Caddesi, 75. Yıl Kültür Kompleksi Merkez/ERZİNCAN	(0446) 214 80 21	erzincanmuzesi@ktb.gov.tr
Tunceli Museum Directorate	Moğultay Mahallesi, Av. Ali Demir Caddesi No:5/1 Merkez / TUNCELİ	(0428) 212 10 12-38	tuncelimuzesi@ktb.gov.tr
Sivas Museum Directorate	Yüceyurt Mahallesi Rahmi Günay Caddesi Arkeoloji Müzesi SİVAS	(0346) 221 04 46	sivasmuzesi@ktb.gov.tr
PROVINCIAL DIRECTORATE OF CULTURE AND TOURISM	**CONTACT INFORMATION**		
	ADRESS	**PHONE**	**ADRESS**
Ardahan Provincial Directorate of Culture and Tourism	Karagöl Mahallesi Mareşal Fevzi Çakmak Cad. No:21 ARDAHAN	(0478) 211 48 58	iktm75@kulturturizm.gov.tr
Kars Provincial Directorate of Culture and Tourism	Cumhuriyet Mh. Hakim Ali Rıza Aslan Sok. No: 15 KARS	(0474) 212 21 79	iktm36@kulturturizm.gov.tr
Erzurum Provincial Directorate of Culture and Tourism	Müftü Solakzade Mah. Meşrutiyet Cad. No:25-29 Palandöken / ERZURUM	(0442) 280 17 00	iktm25@ktb.gov.tr
Erzincan Provincial Directorate of Culture and Tourism	Atatürk Mahallesi Kültür Merkezi Barış Manço Park İçi ERZİNCAN	(0446) 280 17 00	iktm24@kulturturizm.gov.tr
Tunceli Provincial Directorate of Culture and Tourism	Tunceli Kültür Merkezi Binası Atatürk Mh. Ali Büyükdağ Cd. No:1 62000 Merkez/TUNCELİ	(0428) 280 17 00	iktm62@ktb.gov.tr
Sivas Provincial Directorate of Culture and Tourism	Muhsin Yazıcıoğlu Kültür Merkezi Kadıburhanettin Mah.Turgut ÖZAL Bulvarı No: 11 58030 SİVAS	0346) 280 17 00	iktm58@kulturturizm.gov.tr