

ANNEX I   FORMAT FOR HAZARD IDENTIFICATION RISK ASSESSMENT FORM

	HAZARD IDENTIFICATION RISK ASSESSMENT FORM
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Company Name	Kazakhstan Temir Zholy (KTZ)	Approved By	(Name of Approver)
Assessment By	(Assessor’s Name)	Designation of Approver	(e.g., Supervisor; Project-in-Charged)
Designation of Assessor	(e.g., OHS/EHS Manager)	Date of Approval	DD/MM/YY
Assessment Date	DD/MM/YY	Signature of Approver	(Insert Signature)
Project Title	Almaty Railroad Bypass – Construction Phase		
Site Location			
Job Description	(e.g., Trenching, Lifting, Laying of rail lines etc.)		

Hazard Identification						Risk Evaluation			Risk Control								
S/N	H&S or Environment	Task/ Activity/ Product/ Service	Task Steps	Hazard/ Aspect	Potential Consequences/ Impacts	Inherent Risk Rating (No Control)			Existing Risk Control (if any)	Recommended Control Measures	PPE Required	Residual Risk Rating (With Control)			Action Steps/Implementation	Person In-Charged for implementation	Status Update
						P	S	Risk Rating				P	S	Risk Rating			

TABLE 1 RISK EVALUATION MATRIX

					RATE	Effects of Consequences (S)				
Effects of Consequences (S)			Probability of Occurrence (P)		P	Critical 5	Significant 4	Essential 3	Moderate 2	Minimum 1
	OHS	Env								
<b>Critical 5</b>	Death, fatal occupational disease or exposure, or multiple major injuries	Significant effect, affects nearby communities	<b>Very Often 5</b>	The likelihood of a hazard occurring is very high. Conditions necessarily arise over a sufficiently long period of time.	Very Often 5	25	20	15	10	5
<b>Significant 4</b>	Serious injuries, serious occupational diseases or exposure (includes amputations, major fractures, multiple injuries, occupational cancers, diagnosed mental illnesses, acute poisoning, disabilities, and noise-induced hearing loss)	Major effect, extends beyond project boundaries	<b>Often 4</b>	The likelihood of a hazard occurring is high. Conditions for this occur quite regularly and/or over a certain period of time.	Often 4	20	16	12	8	4
<b>Essential 3</b>	Injury or ill-health (including mental well-being) requiring medical treatment (includes lacerations, burns, sprains, minor fractures, psychosocial stress, dermatitis, and work-related musculoskeletal disorders)	Moderate effect on the environment	<b>Occasionally 3</b>	The probability of danger occurring is at an average level. Conditions for this may actually and unexpectedly arise.	Occasionally 3	15	12	9	6	3
<b>Moderate 2</b>	Injury or ill-health (including mental well-being) requiring first-aid only (includes minor cuts and bruises, irritation, ill-health and temporary discomfort, fatigue)	Minor effect on the environment	<b>Rarely 2</b>	The likelihood of a hazard occurring remains low. Conditions of this kind occur in isolated cases, but the chances of this happening are low.	Rarely 2	10	8	6	4	2
<b>Minimum 1</b>	Negligible injury	Slight effect on the environment	<b>Very Rarely 1</b>	The likelihood of a hazard occurring is remote. It is almost impossible to imagine that such a factor could arise	Very Rarely 1	5	4	3	2	1

TABLE 2 RISK RATING AND RECOMMENDED ACTIONS

Risk Level	Risk Acceptability	Description	Recommended Actions
Green Level – Low	Acceptable	<ul style="list-style-type: none"> <li>Includes potential risks during daily work in the workplace.</li> <li>Risks with this level are considered acceptable if there are measures to manage them.</li> </ul>	<ul style="list-style-type: none"> <li>No additional risk control measures may be needed.</li> <li>Frequent review and monitoring of hazards are required to ensure that the risk level assigned is accurate and does not increase over time.</li> </ul>
Yellow Level – Medium	Significant	<ul style="list-style-type: none"> <li>Includes risks in which there is a potential threat to the health of personnel and/or damage to the property of the enterprise.</li> <li>Risks with this level are considered acceptable if there are sufficient measures to manage them and require constant monitoring and analysis.</li> </ul>	<ul style="list-style-type: none"> <li>A careful evaluation of the hazards should be carried out to ensure that the risk level is reduced to As Low As Reasonably Practicable (ALARP) within a defined period.</li> <li>Interim risk control measures, such as administrative controls or PPE, may be implemented while longer term measures are being established.</li> <li>Actions taken must be documented, including the date of completion.</li> </ul>
Red level – High	Unacceptable	<ul style="list-style-type: none"> <li>Includes risks in which there is a potential threat to the life and health of personnel and/or causing significant damage to the property of the enterprise.</li> <li>Risks with this level are considered unacceptable and require further mandatory management.</li> </ul>	<ul style="list-style-type: none"> <li>High Risk level must be reduced to at least Medium Risk before work starts.</li> <li>There should not be any interim risk control measures. Risk control measures should not be overly dependent on PPE.</li> <li>If practicable, the hazard should be eliminated before work starts.</li> <li>Management review is required before work starts.</li> <li>Actions taken must be documented, including the date of completion.</li> </ul>