

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

Effects of Consequences (S)			Probability of Occurrence (P)		RATE	Effects of Consequences (S)				
					P	Critical 5	Significant 4	Essential 3	Moderate 2	Minimum 1
OHS	Env									
Critical 5	Death, fatal occupational disease or exposure, or multiple major injuries	Significant effect, affects nearby communities	Very Often 5	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
Significant 4	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	Often 4	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
Essential 3	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	Occasionally 3	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
Moderate 2	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	Rarely 2	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
Minimum 1	Negligible injury	Slight effect on the environment	Very Rarely 1	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"> Includes potential risks during daily work in the workplace. Risks with this level are considered acceptable if there are measures to manage them. 	<ul style="list-style-type: none"> No additional risk control measures may be needed. Frequent review and monitoring of hazards are required to ensure that the risk level assigned is accurate and does not increase over time.
Yellow Level – Medium	Significant	<ul style="list-style-type: none"> Includes risks in which there is a potential threat to the health of personnel and/or damage to the property of the enterprise. Risks with this level are considered acceptable if there are sufficient measures to manage them and require constant monitoring and analysis. 	<ul style="list-style-type: none"> 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. Interim risk control measures, such as administrative controls or PPE, may be implemented while longer term measures are being established. Actions taken must be documented, including the date of completion.
Red level – High	Unacceptable	<ul style="list-style-type: none"> 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. Risks with this level are considered unacceptable and require further mandatory management. 	<ul style="list-style-type: none"> High Risk level must be reduced to at least Medium Risk before work starts. There should not be any interim risk control measures. Risk control measures should not be overly dependent on PPE. If practicable, the hazard should be eliminated before work starts. Management review is required before work starts. Actions taken must be documented, including the date of completion.