

CHAPTER SEVEN. ENVIRONMENTAL IMPACT ASSESSMENT SUMMARY, GENERAL CONCLUSIONS AND RECOMMENDATIONS

7.1. SUMMARY OF IMPACT ASSESSMENT

The following table summarizes the results of the Detailed Environmental Impact Assessment Report for "Tenuun Gerel Construction" LLC's "15kW solar power plant project" in Sergelen soum, Tuv aimag. In this report, the impact of the project on the environment has been publicly assessed and then the extent and percent of impacts are determined.

Table 25. Summary of Environmental Impact Assessment

№	Impacts	The intensity and extent of the impact Probability of occurrence магдал	Impact assessment					TOTAL IMPACT
			Very low or no impact	Low	Moderate	Considerable	Extremely dangerous Аюултай	
1	WEATHER AND CLIMATE	Inevitable						LOW
		High probability						
		Moderate probability						
		Low probability						
		Rare	-1					
2	AIR QUALITY	Inevitable						LOW
		High probability			-1			
		Moderate probability		-1				
		Low probability						
		Rare						
3	SOIL COVER	Inevitable						LOW
		High probability						
		Moderate probability		-1				
		Low probability						
		Rare	-2					
4	SURFACE AND UNDERGROUND WATER	Inevitable						LOW
		High probability						
		Moderate probability		-1				
		Low probability						

Developed by the Professional Organization: “Green Assessment” LLC



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		Rare	-3					
5	VEGETATION COVER	Inevitable		-1				
		High probability						
		Moderate probability		-1				
		Low probability						
		Rare	-1					
6	FAUNA	Inevitable						
		High probability						
		Moderate probability						
		Low probability						
		Rare	-1					
8	SOCIO-ECONOMICS	Inevitable		+1		+2		
		High probability						
		Moderate probability						
		Low probability						
		Rare						
TOTAL IMPACT			-8	-5	-1			
PERCENTAGE (%)			57.1	35.7	7.2			LOW

7.2. GENERAL CONCLUSIONS AND RECOMMENDATIONS

Based on the outcomes of the Detailed environmental impact assessment report for the “Tenuun Gerel Construction” LLC's “Bukhug 15 MW Solar Power Plant Project”, which is located in Sergelen soum, Tuv aimag, the following conclusions and recommendations are given:

92.8% of the project's environmental impacts are small, very small or insignificant, and the probability of occurrence is 53.3%, which is rare or unlikely. For intensity of impacts, the average impact is 6.7%. However, in terms of the probability of these impacts occurrence, 33.3% are inevitable, high probability, and moderate probability impacts. There are no extremely dangerous impacts in terms of impact intensity and extent. On the contrary, it has a positive impact on society and the economy. Based on the above results, the impact of the project is classified as “ Low ” .

1. In order to reduce the magnitude, duration and spatial scope of the project's potential and major adverse impacts on the project, the solutions proposed in the recommendations should be implemented by the project proponent. However, mitigation solutions are not limited to the forms described in this report, and the project proponent may make their own solutions. The choice of any solution should be based on the principle of "environment friendly".
2. In addition to strict adherence to appropriate procedures for project risk management and mitigation management, all employees of the organization should be provided with



appropriate training to reduce the risk of intentional and unintentional human activities. This will enable the project to operate in a sustainable and environmentally-socio-economically efficient manner. In addition, reducing the probability of risk occurrence can directly prevent sudden economic losses. In either case, it is appropriate for the project proponent to be covered by a full risk insurance system.

3. A total of MNT 34984.2 thousand is planned to be spent on the project's environmental management plan. Once the project is in place, it is necessary to implement an environmental management plan and an environmental monitoring program, a potential accident and risk prevention plan, and a compensatory protection plan and this has the advantage of knowing the extent of the organization's own impact, teaching what to look for in the environment, avoiding future economic risks, and presenting the organization's environmental policies.
4. It is a good idea for the organization to hire an environmental officer or contract with a professional organization in connection with the implementation of the project, leaving the responsibility for this to a professional, so that the results have a positive impact on environmental performance and performance.
5. A thorough study of the legal environment will allow the project proponent to know the extent of his or her rights and responsibilities, thus avoiding any wrongdoing and illegal actions. This report summarizes the relevant legislation and needs to be further detailed studied.
6. According to Article 31 of the Law of Mongolia "On Environmental Protection", Article 9 of the Law "On Environmental Impact Assessment", “Procedure for developing, reviewing and reporting on environmental management plan” No. A / 618 of the Minister of Nature, Environment and Tourism dated October 29, 2019, the project proponent is obliged to review the Environmental Management Implementation Report and the next year's plan by the relevant Administrative unit before February 15 of each year and have it approved by the MNET. It is important to note that if this is not done, action will be taken until the organization ceases to exist.
7. The environmental monitoring program includes the timeframe for the project proponent's scheduled environmental audit to be performed by a professional organization and in the future, in accordance with the Law on Environmental Protection, it is obliged to the project proponent to perform the environmental audit in every two years, implement relevant conclusions and recommendations from the audit and submit the report to the aimag and capital city environmental department within the period specified in the recommendations.
8. It is also important to work closely with the administrative unit managers and the authorities relating to the project to resolve any misunderstandings that may arise in the future.

The project is considered “ADMISSIBLE” in terms of the full implementation of the impact assessment, consolidation, environmental management plan, recommendations for mitigation and mitigation measures, and risk assessment set out in the report.

