

Multi hazard risk assessment and mitigation plan for marble mining operations in Chitral

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Goals of hazard identification and risk mitigation plan for marble quarry operations are to identify potential hazards by examining quarry operations, and observing the tasks performed by workers, offer general advice regarding hazard control measures and SOPs. The study reveals that the impact of marble quarry operations is within safe limits of national environmental quality standards, but there is a need of; 1) hazard control measures to reduce the potential of exposure to hazards, 2) a hazard communication program, 3) geotechnical assessment of quarry for slope stability analysis, 4) formulating report form for daily inspection of quarry and working faces, 5) frequent safety audits and training sessions relating occupational health and safety, 6) Environmental control measures to prevent future environmental degradation and 7) include information, in quarry design (cultivation plan), on how to leave the quarry in safe condition before ceasing operations

All existing quarry operations should be observed in detail for any further aspects or exceptions.