Jewelry Development Impact Index: Afghanistan and Myanmar

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Statement of Work

- **Objective**: Human Security Impact in Afghanistan and Myanmar
  - How this impacts peoples’ lives; vulnerabilities, etc.

- Continuation of research from Fall 2017

- Jewelry Development Impact Index (JDII)
Outline

- Framework and Measurement
- Mining Context - History and Culture
- Environmental and Health Impact
- Human Rights Impact
- Governance Impact
- Economic Impact
- Responsible Sourcing
- Results
FALL 2017
Jewelry Development Impact Index (JDII) Framework

Politics & Government
- Governance and Accountability
- Transparency
- Corruption
- Industry Regulation

Economy
- Industry Employment
- Taxation
- Revenue Distribution
- Diversification
- Budget Sustainability
- Beneficiation

Environment & Health
- Environmental Damage
- Health

Social, Cultural & Human Rights
- Workers’ Rights
- Indigenous Rights
- Women and Children’s Rights
- Use of Certification Programs
- Conflict
- Presence of Criminal Organizations
Framework & Methodology

- Governance Impact:
  - Governance & Accountability
  - Transparency
  - Corruption
  - Industry Regulation
  - Non-State Actors/Criminal Organizations

- Economic Impact:
  - Industry Employment
  - Fiscal Sustainability
  - Beneficiation
  - Smuggling/Informal Economy
  - Non-State Actor/Terrorist Funding

- Environmental Impact:
  - Environmental Sustainability
  - Environmental Protections

- Human Health Impact:
  - Human Health Risks
  - Food Security
  - Water Security

- Human Rights Impact:
  - Workers' Rights
  - Indigenous/Minority Rights
  - Women's Rights
  - Children's Rights
  - Freedom from Violence

5 = Excellent
4 = Strong
3 = Moderate
2 = Weak
1 = Very Weak
NR = Not-ranked
Mining Context - Historical and Cultural

- Critical component of local communities
- Way of life; livelihoods
- Mines are considered sacred ground in Myanmar
Mining Regions
Impact of Mining on the Environment and Human Health
# Impact of Mining on the Environment

<table>
<thead>
<tr>
<th></th>
<th>Afghanistan</th>
<th>Myanmar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Sustainability</td>
<td>Moderate</td>
<td>Weak</td>
</tr>
<tr>
<td>Environmental Protections</td>
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<td>Moderate</td>
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## Impact of Mining on Human Health

<table>
<thead>
<tr>
<th></th>
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<th>Myanmar</th>
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</thead>
<tbody>
<tr>
<td>Health and Safety</td>
<td>Very Weak</td>
<td>Weak</td>
</tr>
<tr>
<td>Food Security</td>
<td>Very Weak</td>
<td>Weak</td>
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<tr>
<td>Water Security</td>
<td>NR</td>
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Impact of Mining on Human Rights
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<tr>
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<tbody>
<tr>
<td><strong>Workers’ Rights</strong></td>
<td>Weak</td>
<td>Weak - Moderate</td>
</tr>
<tr>
<td><strong>Indigenous/Minority Rights</strong></td>
<td>NR</td>
<td>Moderate</td>
</tr>
<tr>
<td><strong>Women’s Rights</strong></td>
<td>Very Weak</td>
<td>Moderate - Strong</td>
</tr>
<tr>
<td><strong>Children’s Rights</strong></td>
<td>Very Weak - Weak</td>
<td>Weak - Moderate</td>
</tr>
<tr>
<td><strong>Freedom from Violence</strong></td>
<td>Weak</td>
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Impact of Mining on Governance
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<tbody>
<tr>
<td>Governance and Accountability</td>
<td>Very Weak</td>
<td>Very Weak</td>
</tr>
<tr>
<td>Transparency</td>
<td>Very Weak</td>
<td>Weak</td>
</tr>
<tr>
<td>Corruption</td>
<td>Very Weak</td>
<td>Weak</td>
</tr>
<tr>
<td>Industry Regulation</td>
<td>NR</td>
<td>Weak</td>
</tr>
<tr>
<td>NSA/Terrorist Presence</td>
<td>Very Weak</td>
<td>Moderate</td>
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Impact of Mining on Economy
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<tr>
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<th>Afghanistan</th>
<th>Myanmar</th>
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</thead>
<tbody>
<tr>
<td>Industry Employment</td>
<td>Weak</td>
<td>Moderate</td>
</tr>
<tr>
<td>Fiscal Sustainability</td>
<td>Very Weak</td>
<td>Moderate</td>
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<td>Beneficiation</td>
<td>NR</td>
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<td>Very Weak</td>
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<tr>
<td>Non-State Actor/Terrorist Funding</td>
<td>Very Weak</td>
<td>Strong</td>
</tr>
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Responsible Sourcing

- Growing demand of responsible minerals
  - Kimberley Process, but stronger

- Very minor presence of responsible sourcing.

- “Genocide Gems”
  - Potential sanctions

- Difficulty of sourcing origins
RESULTS
Environmental Impact

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Human Health Impact

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Cumulative JDII Score

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QUESTIONS?