

# Community-Centered Resilience Development: The Field Studies from Assam, India

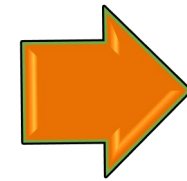
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## History of Margherita coal mines in Assam

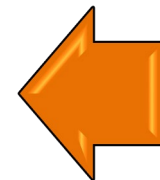
Coal mining started during British rule in the mid-19<sup>th</sup> century



Formal coal mining in Tirap began in 1861



Coal India Limited became lessee of coal mines in Makum coalfields in 1975



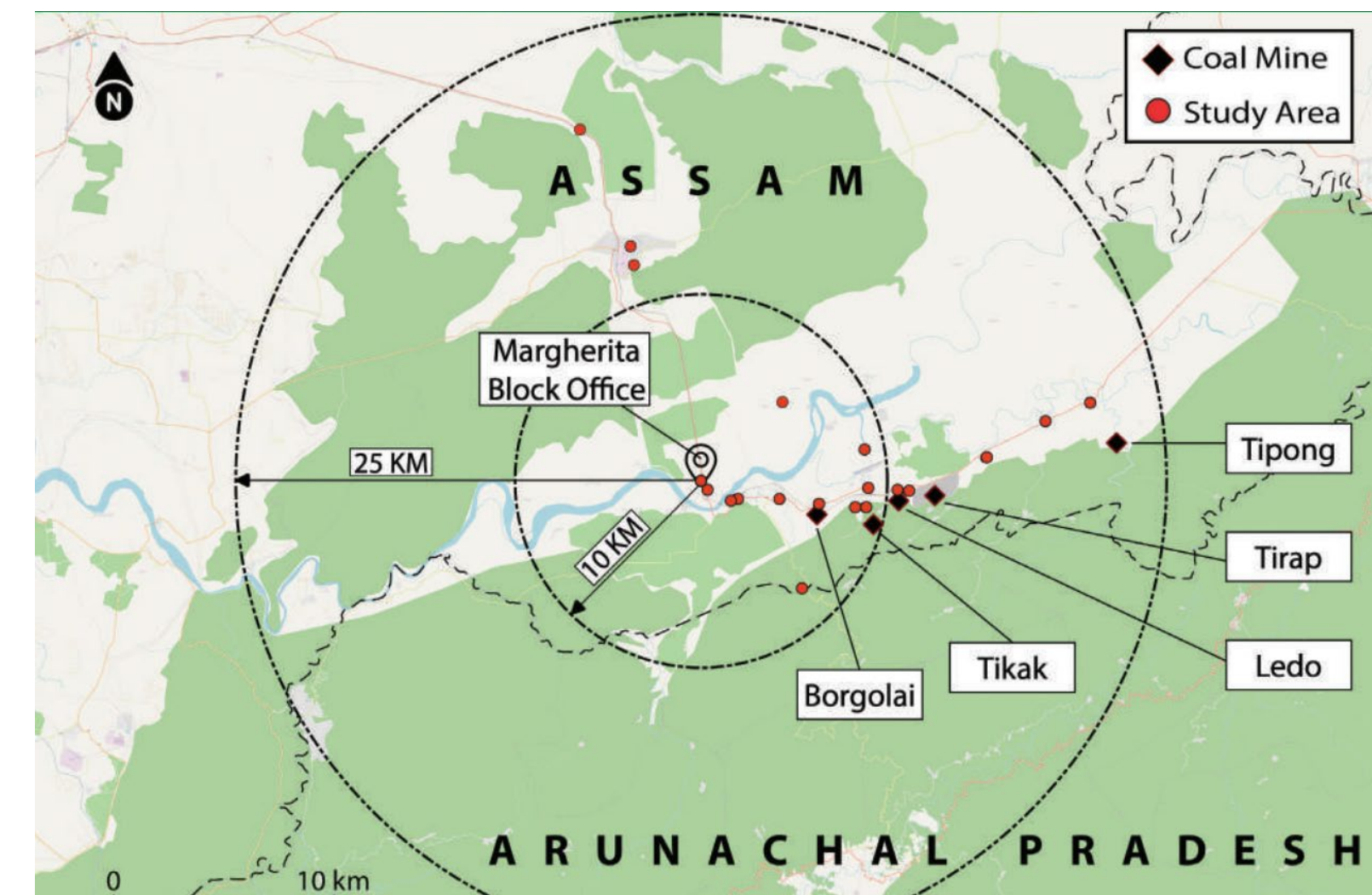
Transfer of ownership rights to central government through Coal Mines (Nationalization) Act 1973



CIL granted fresh mining lease for a period of 30 years



Map of the Northeastern Part of India



Map of the Coal Mines Studied in North Eastern Coalfields, Margherita, Assam



## 7 lessons from Assam's coal mine closure

Mine-forest-wildlife nexus susceptible to socio-ecological contestation

Local demand for socio-economic development cannot be ignored

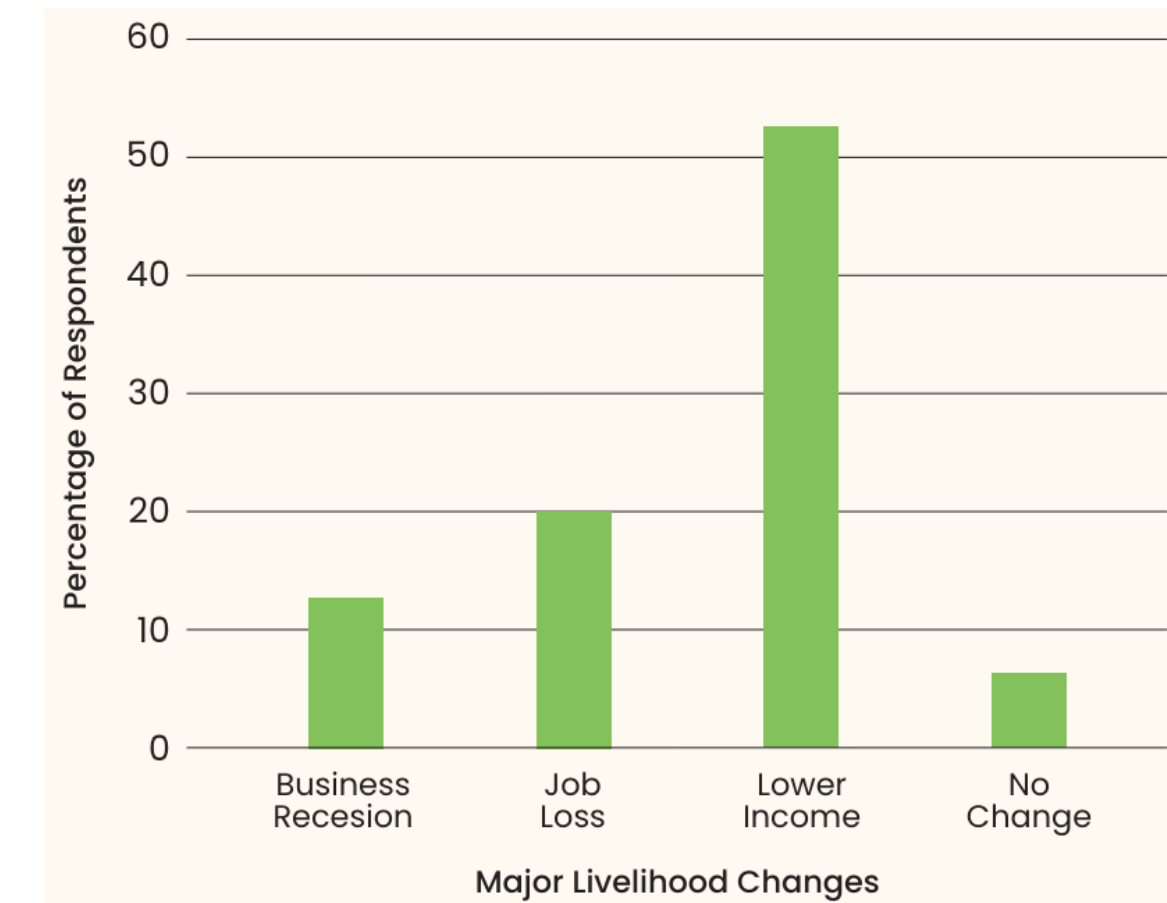
Economic diversification as a measure to mitigate impacts of coal mine closure

Community resilience enhanced by strong institutional support

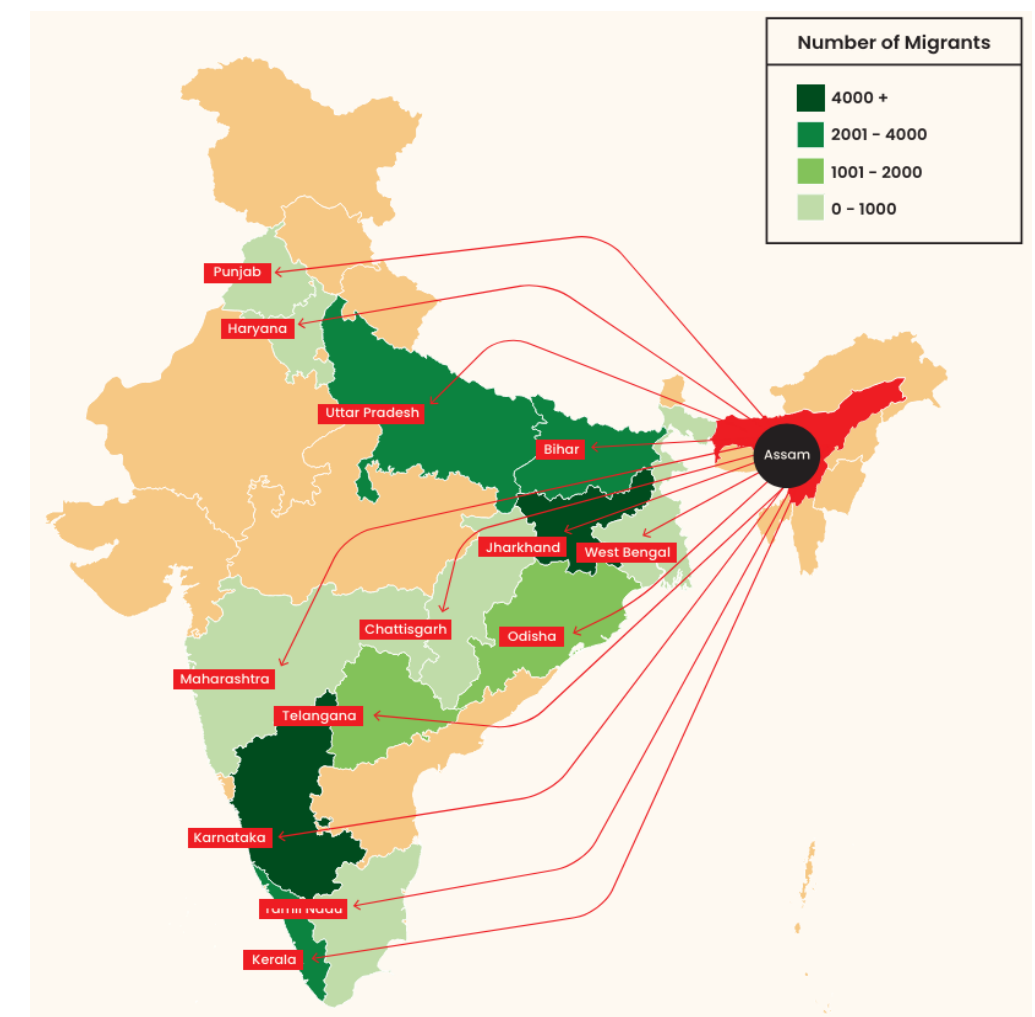
Migration as a consequence of coal mine closure

Trade unions as agents of change

Thinking beyond jobs for sustainable livelihoods post closure



Major livelihood changes after coal mine closure



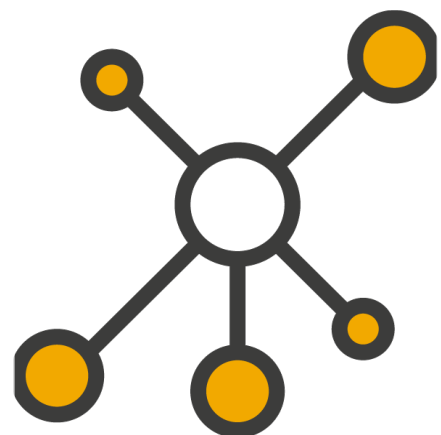
Outmigration map of Margherita, Assam

## Summary of lessons



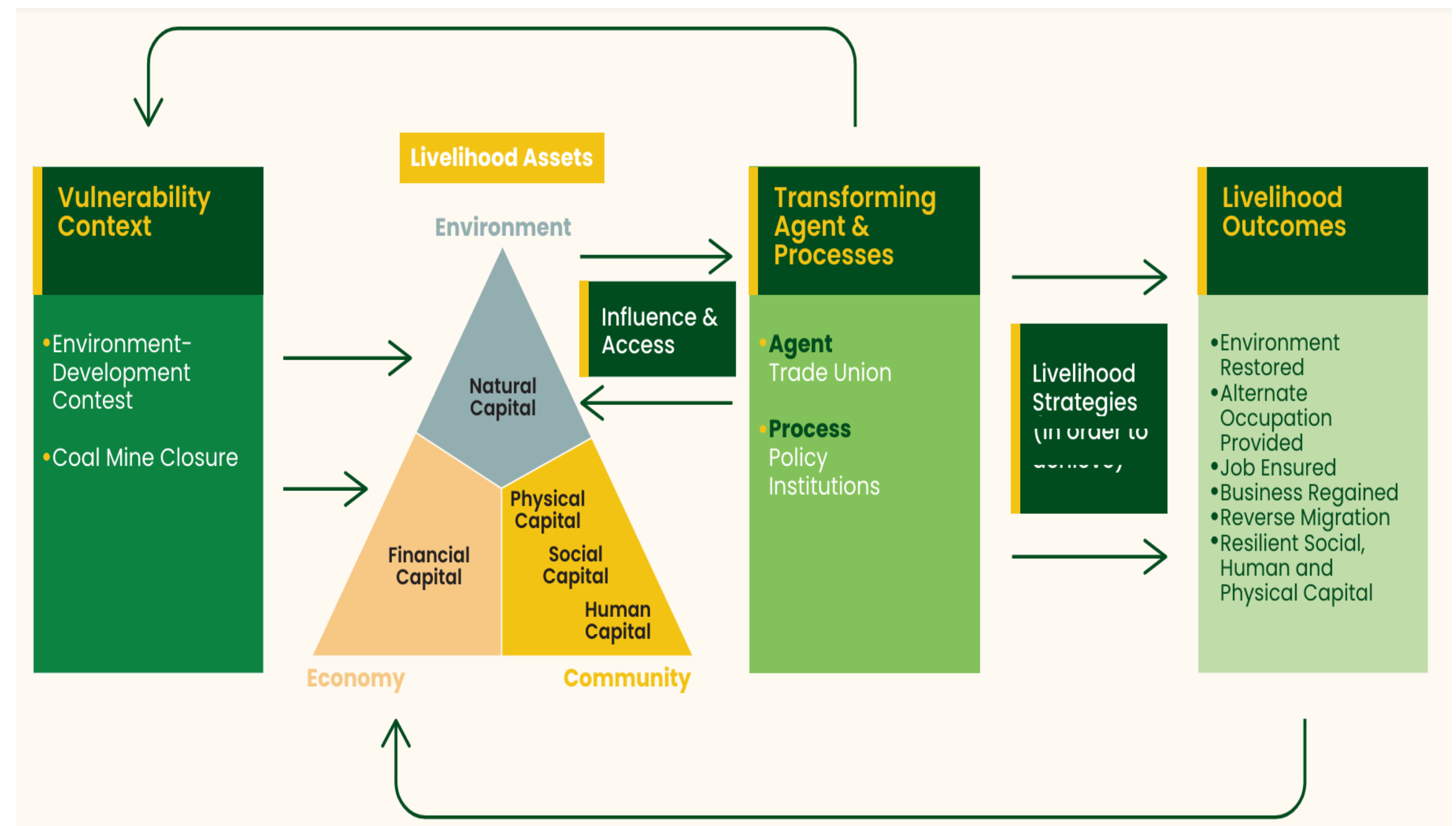
**Contestation between the environment and development**

**Impact on coal worker and non-worker communities**



**Policy and strategy development**

## Sustainable livelihood framework in the context of just transition



# Sustainable Livelihood Framework into Just Transition Policy

## Key Structural Components and Entry Points

Livelihood assets	Micro: in coal mines	Meso: in NEC Margherita	Macro: in India
Environment	Legal mining tenure; environment and forest clearance; air, water and soil quality assessment	Coal mine area within wildlife habitats; CSR services; agricultural farming	Maintenance of proposed reserve forest
Economy	Amount of coal produced and despatched; employment of the coal workers	Employment of the coal workers; CSR and DMFT services; agricultural farming; local business; credit facility for small and marginal businesses; provision of re-skilling	Share of NEC in the revenue of CIL; supply of coal to industries beyond the state boundary of Assam
Community	Number of coal company workers (both formal and informal), number of coal-induced residents	Education and health services; recreational facility; migration	Migration; Human Development Index

# Thank You!

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