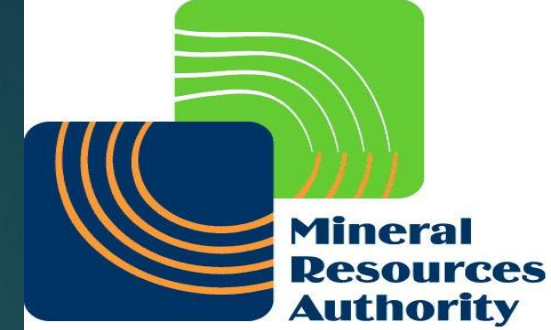


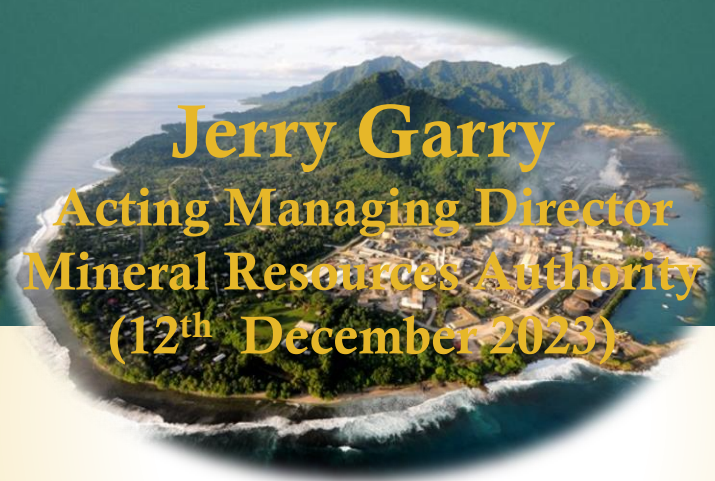


17th PAPUA NEW GUINEA RESOURCES &
ENERGY INVESTMENT CONFERENCE
SYDNEY, AUSTRALIA
12th December 2023



INDUSTRY & REGULATORS UPDATES

Regulators Outlook - Minerals

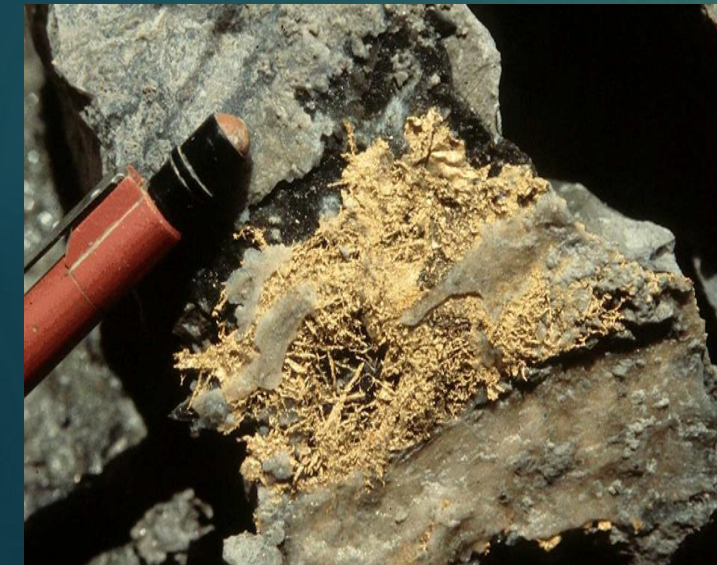




Custodian of the mineral resources
of the Independent State of Papua
New Guinea

Promoter of mineral exploration
and development

Regulator of the mineral
exploration and mining industry



Regulatory Framework



1. A sound regulatory framework is one that attempts to cover entire the **Mining Life Cycle** and without being prescriptive.
2. Are the existing government policies, legislation and regulations governing **mineral exploration, development, mining and mine closure** adequate?
3. Are they responsive to changing global landscape, that demands greater responsibility to **Environment Social Governance (ESG), climate change and license to operate.**

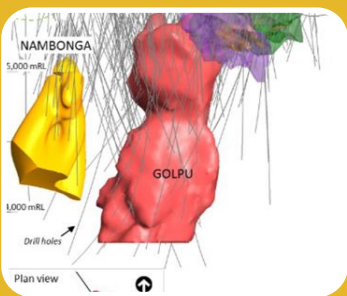
(After, Uni. Arizona)

Permitting of three Large-Scale Projects



PORGERA MINE RE-OPENING

- **11 million ounces gold reserves; 500,000 ounces dori and 5% gold as concentrate per annum**
- Benefits: 51% State Equity including 10% Landowners + 5% Enga Provincial Government (EPG)
- Resettlement, **Social Licence fee**, 3% royalty
- Re-opening anticipated by Q4/2023



WAFI- GOLPU PERMITTING

- 19 million ounces gold and 8.6Mt copper resource; 200,000 ounces gold & 200-300,000 tons copper per annum;
- Environment Permit was Issued on December 18, 2020;
- Negotiations for Mining Development Contract in final stages; and
- Special Mining Lease Application before Mining Advisory Council – Q4/2022 Permitting



FRIEDA RIVER PERMITTING

- **Contained metals 12 Mt Copper and 19 Million ounces Gold**
- US\$ 6 billion CAPEX to commercial production
- 4 inter-related entities, Infrastructure, power generation & reticulation, mining



PORGERA MINE RE-OPENING

- 11 million ounces gold reserves; 600,000 ounces dori and 5% gold as concentrate per annum
- Benefits: 51% State Equity including 10% Landowners + 5% Enga Provincial Government (EPG), Resettlement, **Social Licence fee**, 3% royalty .



✓ Q4/2023 - PROCESSING OF CONSENT COMPENSATION AGREEMENT

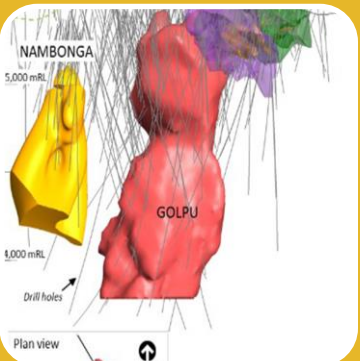
Q1/Q2 - 2024 COMPLETION OF COMMUNITY DEVELOPMENT AGREEMENT (CDA)

- Position Papers received
- One to one consultation with State Team had commenced;
- Stakeholders final Consultations and signing of CDA

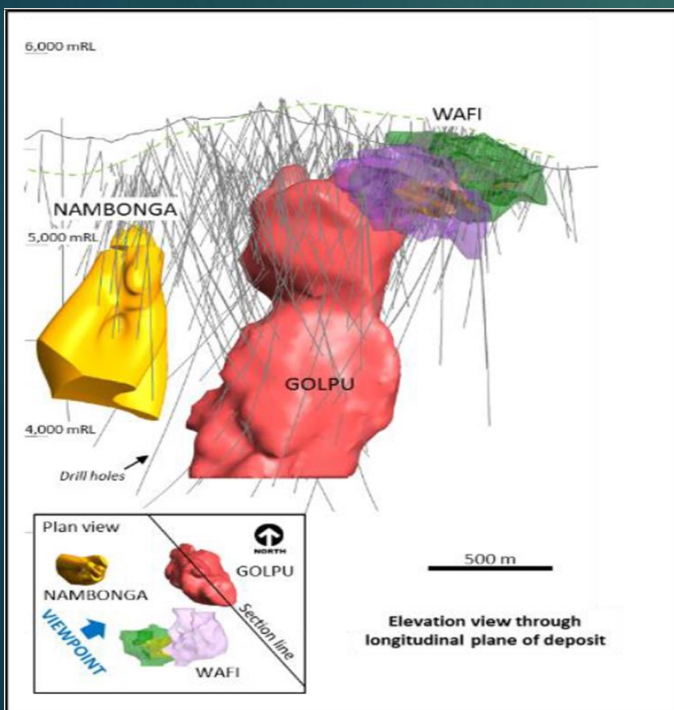
Q1 2025 - REVIEW OF CONSENT COMPENSATION AGREEMENT

Q1 2026 - RESETTLEMENT/RELOCATION PLAN AND DELIVERY OF COMMUNITY DEVELOPMENT PROGRAMS

WAFI- GOLPU PERMITTING

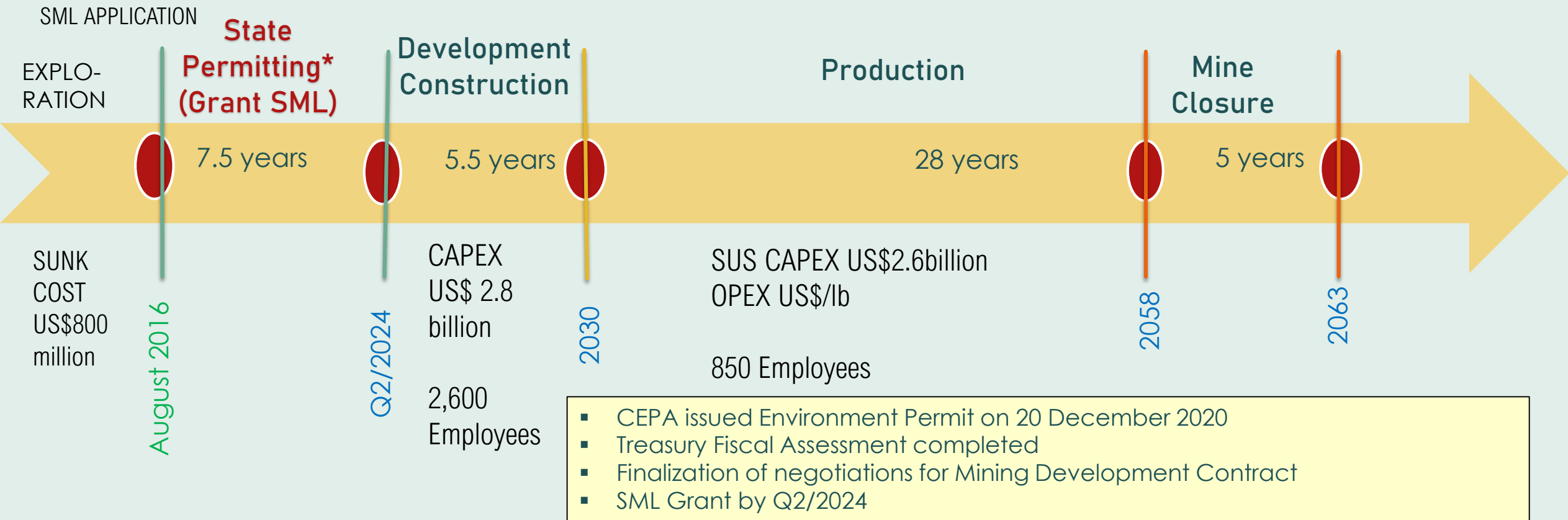


- 19 million ounces gold and 8.6 Mt copper resource; average of 200,000 ounces gold & 200 -300,000 tons copper per annum;
- **Environment Permit** was Issued on 18th December 2020;
- **First Block-cave underground mine development for bulk mining in PNG**
- **US\$5.8 total CAPEX + US\$2.8 billion CAPEX to commercial production**



- Q1/2024 – SIGNING OF MINING DEVELOPMENT CONTRACT
- Q2/2024 – NEGOTIATION & SIGNING OF COMMUNITY DEVELOPMENT AGREEMENT
- Q2/2024 – GRANT OF SPECIAL MINING LEASE
- Q4/2024 – COMMENCEMENT OF CONSTRUCTION?

Wafi-Golpu - Project Timeline



FRIEDA RIVER PERMITTING



- Contained metals 12 Mt Copper and 19 Million ounces Gold



- US\$ 6 billion CAPEX to commercial production

- 4 interdependent components:

- 1) Frieda River Copper-Gold Project (FRCGP),
- 2) Frieda River Hydro-power Electric Project (FRHEP),
- 3) Sepik Infrastructure Project (SIP) and
- 4) Sepik Power Grid Project (SPGP) ;



FRIEDA RIVER PERMITTING

Q1 2024 – COMPLETION OF TECHNICAL ASSESSMENT

✓Peer Review of Integrated Storage dam facility design

✓Technical Assessment in progress

Q3/2024 MINING DEVELOPMENT CONTRACT NEGOTIATION

Q4 /2024 COMMUNITY DEVELOPMENT AGREEMENT

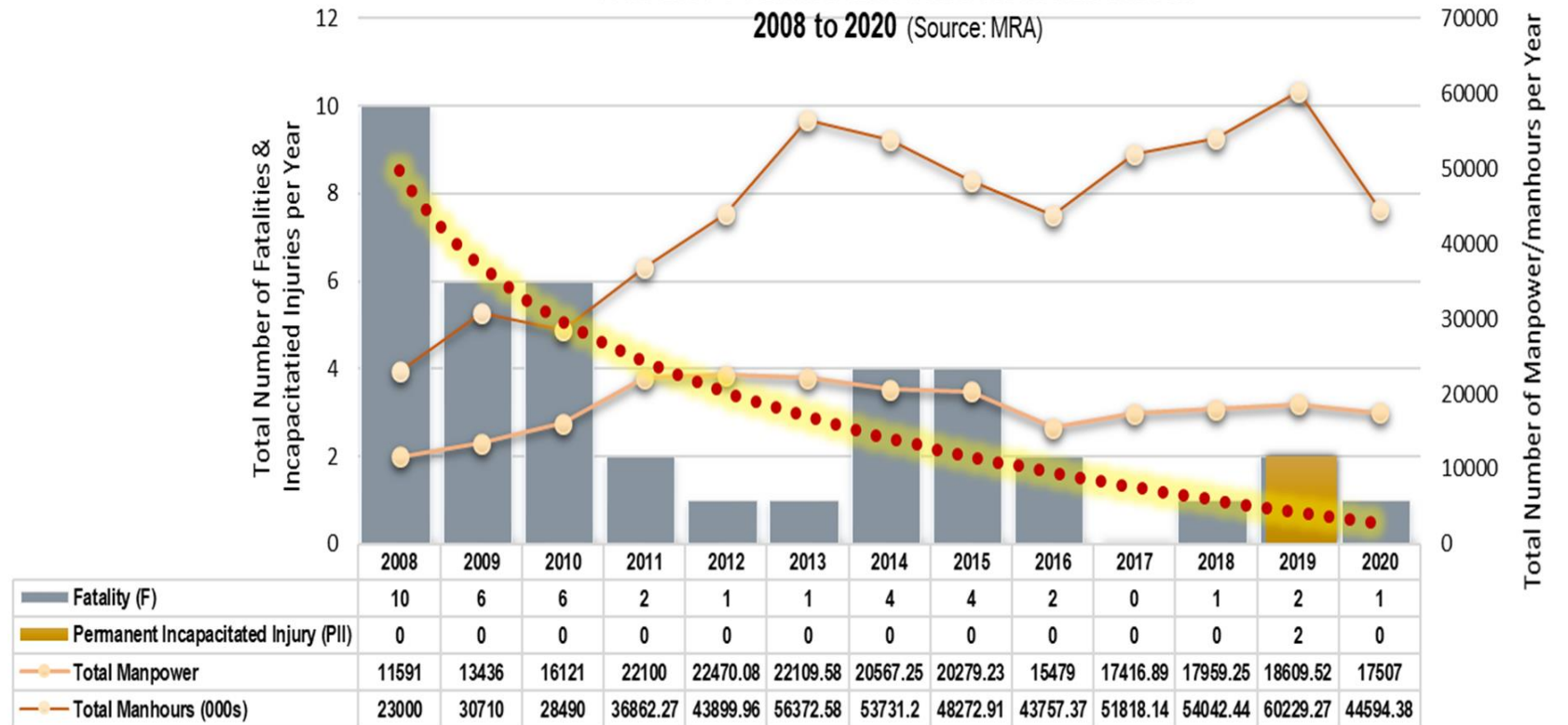
Q1/ 2025 GRANT OF SPECIAL MINING LEASE



SAFETY RECORDS

Mining (Safety) Act 1977: This Act focuses on the safety aspects of mining operations. It sets standards for the safety of workers and the public and includes provisions for mine inspections and accident reporting.

FATALITY & PERMANENT INCAPACITATED INJURY
2008 to 2020 (Source: MRA)



WEST WALL FAILURE



POST - WEST WALL FAILURE



West wall failure re-opened in 2019 after 2 years of closure of the central pit.

Absence of Guidelines – Woodlark Story

Pre- MRA Construction



TYPE One: A one-bedroom house constructed for young married couples by the developer.

TYPE Two: Two-bedroom house constructed for a family.

Villagers reject new 'homes'

BY FRANK RAI

villagers, Mineral Resource Au

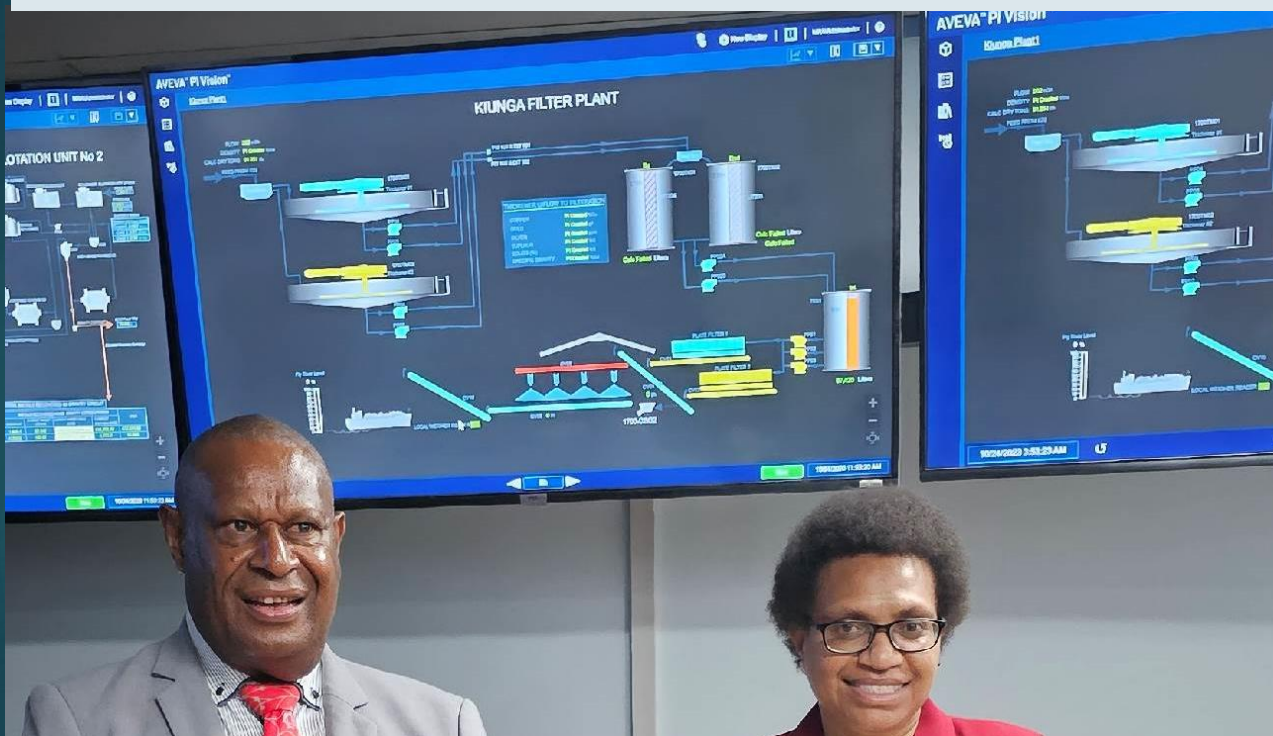
"We live with

Post - MRA Intervention



PNG Live Mineral Production Data Repository Hub

Real-time monitoring of mineral production from crushing, mill throughput, mineral recoveries, tailings and volume of shipment. Improving transparency and accountability in our business.



- ✓ 2020 – Mining (Amendment) Act
- ✓ 2021- 2022 Consultations with PNGCMP & Tenement Holders
- ✓ **2021 – Ok Tedi commissioned**
- ✓ **2022 - Simberi and Lihir, Ramu and Kainantu**
- 2024 – Hidden Valley & Porgera

Ability to monitor recoveries and metal production in real time from all our operating mines.



- ✓ Lack of communication and SOP between State Agencies/Department for permitting Resource related projects or entities – contributes to increasing litigation cases;



- ✓ Challenges in State delivering MoA (CDA) obligations - **Shift Social Licence obligations to the project.**



- ✓ Minor Amendments to accommodate Gaps in law – such as resettlement and relocation of landholders.

