

RESPONSIBLE MINER

Sustainability Report FY'19



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About the Report



Sustainability Report FY 19 is a formal and transparent communication of the Sustainability performance of Adani Enterprises Ltd.: Mining Business to its stakeholders. The report has been prepared in accordance with the GRI Standards: Core option. Additionally, environmental performance reflected in the report has been calculated using the factors and values provided in the Green House Gas (GHG) Protocol and Inter-Governmental Panel on Climate Change (IPCC). Various national and local rules, regulations and guidelines have also been followed to assist in AEL- Mining business's environmental and social footprint evaluation. The report contains disclosure for the prioritized material issues- details of which have been provided in the chapter titled 'Stakeholder Engagement and Materiality Assessment.'

Report Scope and Boundary

The report covers information for the period between April 1, 2018 to March 31, 2019 and includes our management and performance for topics material to AEL-Mining Business's operating mines in India. It also includes data from our Buryu Mines Indonesia, where relevant. Exploration activities have a lighter footprint than development or operations; accordingly, exploration data is only included where relevant. The scope of the report includes:



Operational Mines

- Parsa East and Kanta Basan Coal Block, Chhattisgarh
- Gare Pelma Sector-III Coal Block, Chhattisgarh
- Bunyu, Indonesia

Non-Operational Mines

- Kente Extension Coal Block, Chhattisgarh
- Parsa Coal Block, Chhattisgarh
- Bailadila Iron Ore Deposit-13, Chhattisgarh
- Talabira II & II Coal Block, Odisha and Suliyari Coal Block, Madhya Pradesh

Assurance Statement

Although the company has internal mechanisms to ensure the reliability of the data, the report has been assured by TUV Rheinland thereby enhancing the credibility of the disclosures in the report. TUV Rheinland is an independent third party that has no financial interest in the operations of Adani Enterprises Ltd.: Mining Business other than for the assessment and assurance of this report. The assurance statement thus issued has been included in the report. Company's Top Management has been pro actively involved in the assurance process. A case study on the Carmichaels Mine and Rail project has also been included at the end of this project.

No restatements have been made.

Continuing with its commitment towards Sustainable Development, the AEL-Mining Business will henceforth produce sustainability report on periodic basis aligning with its reporting cycle to the extent possible.

Managing Director Message



As we introduce our 2019 Sustainability Report, we do so in recognition of our responsibilities in the regions in which we work and with respect for our communities and stakeholders. This year we relooked at our approach to sustainability, linking it to The United Nations' Sustainable Development Goals. This ensures that our material issues are intricately weaved into our business strategy.

2019 Sustainability Report once again advances the level of reporting of the key aspects related to the sustainability of our business. Operating a safe and sustainable mine is our foremost approach. This year, we achieved a strong double-digit growth, taking our output to 15 MMT of coal in India operations. Safety is never compromised at our sites, a reason for our strong performance in overall Total Recordable Injury Frequency rate. Every year, our safety performance is improving which doesn't mean that it will fall low in our priority areas.

Our second strategic direction is to minimize the environmental impacts of our business, which simply means no harm to land, air and water. Effective environmental management is integral to the success of our operations, from day-to-day activities on-site to corporate strategic planning. We are pleased to report that our environmental footprint is well in control. In consideration of the remote locations in which we operate, the energy-intensive nature of the sector, we focus on identifying the right technologies for environment conservation and sustainable operations. We acknowledge that coal mining is notably energy intensive, ironically it is critical for the economic development of India. With increasing global focus on climate

change adaptation, we monitor related regulatory and events to anticipate potential sustainable opportunities as well as risks. Related to air emissions, in FY 19 we implemented multiple dust control, greenhouse gas (GHG), energy conservation and green energy initiatives that are showing positive results. We are fully committed to sustainable ecological management, implementing an integrated process to ensure limited impact to biodiversity. Our in-house nursery consisting of 2 Lakhs saplings at a time supports our plantation initiatives on reclaimed land. Also, deployment of trans-planter to secure existing plantations has garnered us respect in the mining sector. We are the first company to successfully transplant Sal Trees with more than 80% survival rate.

Commitment to our core values guides all aspects of our business, including community relations. In FY 19, we continued to focus on strengthening our relations with the communities as our partners in sustainable development. Our CSR annual plan anchors decisions and ensure the best allocation of resources when engaging with communities. We are making lasting impact in the lives of the people surrounding our mines. Indigenous communities, whose children had never been to school, are now sending their kids to Adani Vidya Mandir. We can see a world change in the attitude of communities and awareness, which is driving positive change in the society. Also, our Skill Development Centre is encouraging youth to take up alternative professions leading to economic growth in the region. I specifically would like to appreciate the women-led enterprises that have flourished near our PEKB mine with limited support from my team. Women have displayed tremendous zeal in becoming self-sufficient.

On the workforce front, we continue to advance and actively promote greater employee well-being. We also focused on creating a respectful and inclusive environment, invested in initiatives to instill Adani Core Values, provide education to our employees on topics relevant to business and self-development.

Adani Enterprises Limited's Mining Business has been reporting on our sustainability performance in a comprehensive, standalone document since 2018. I am proud to introduce this report as a document of our performance.

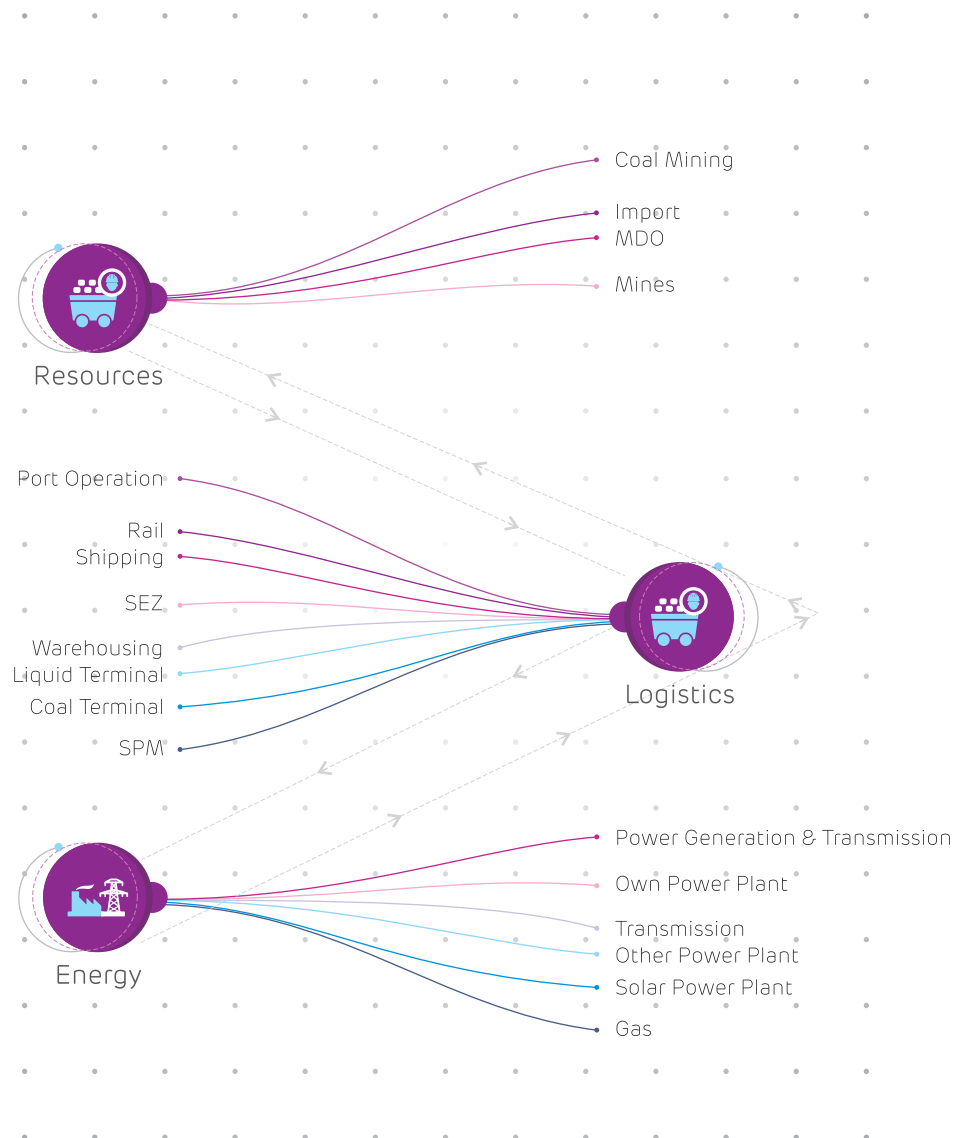
Jai Hind !
Rajesh S, Adani
Managing Director

Performance Highlights





Adani Group Integrated Model

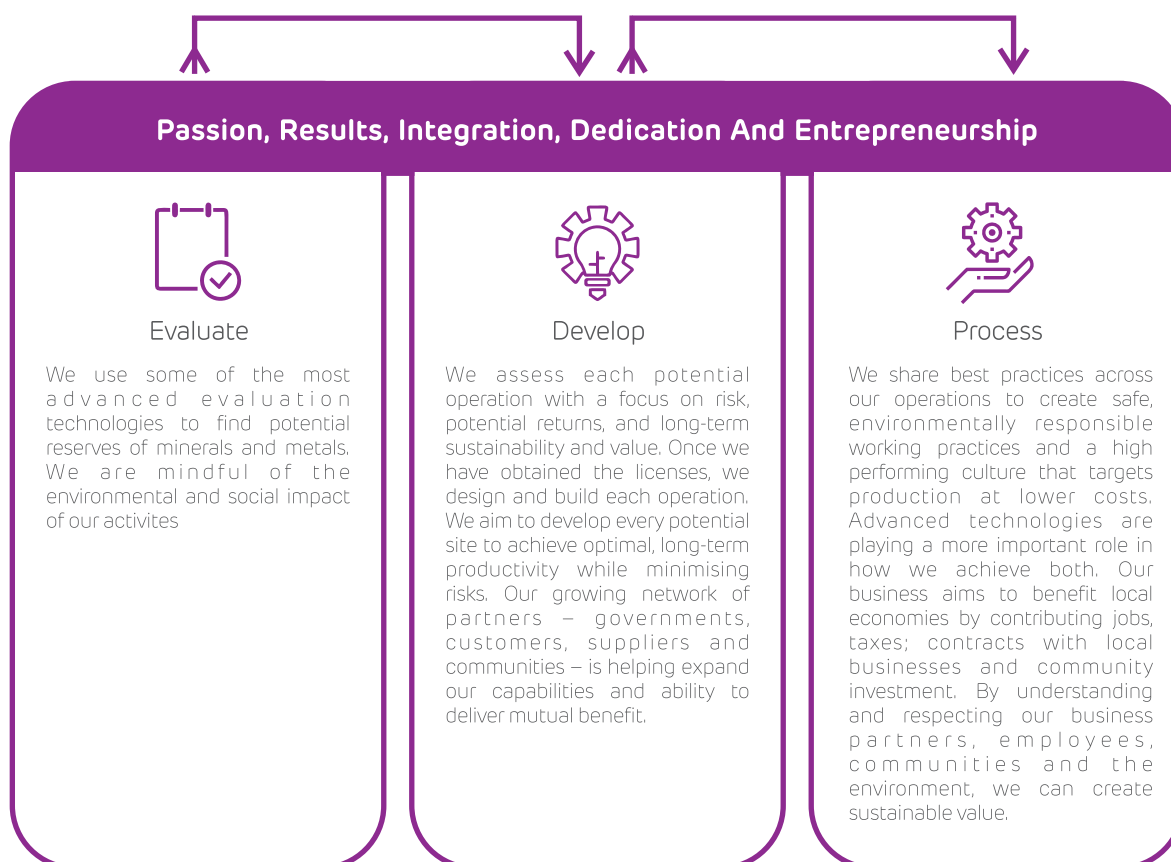


Adani is an integrated, international business with a major competitive advantage. Each of our core businesses – resources, logistics and energy is successful in its own right. The integrated model is well adapted to the infrastructure challenges of fast-growing countries such as India and Indonesia. It offers security of supply for coal and other essential imports while mitigating prices and political risks. Integration multiplies the benefits for synergies and economies of scale, both for us and for our customers.

- Resources means obtaining coal from mines; in the future it will also include oil and gas production.
- Logistics denotes a large network of ports, the Special Economic Zone (SEZ) and multi-modal logistics – railways and ships.
- Energy involves power generation and transmission, renewables and gas distribution.

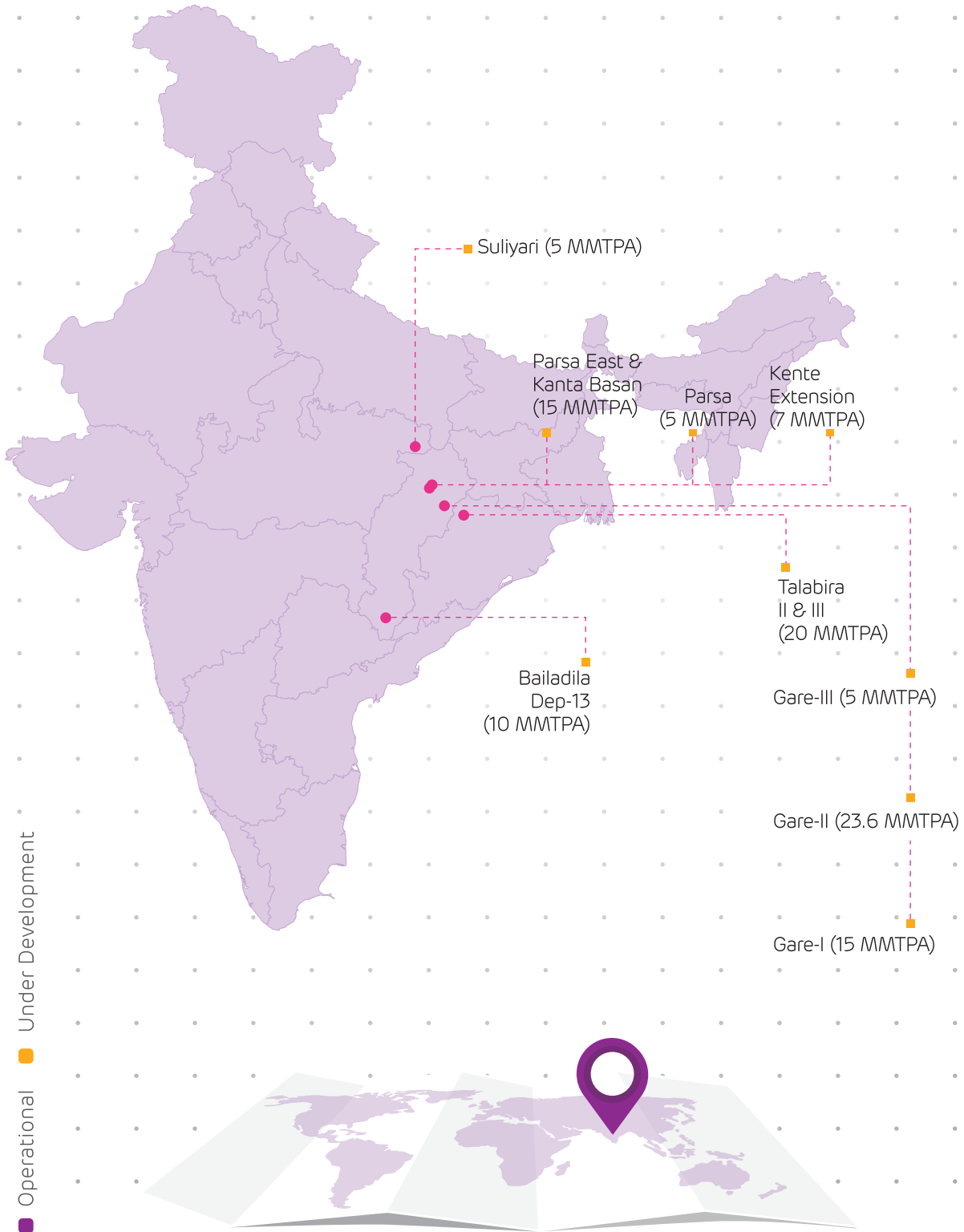
Adani Enterprises Limited

The Adani Group comprises of Adani Enterprises Limited (AEL), a publicly listed company on Bombay Stock Exchange(BSE) and National Stock Exchange(NSE). The Company has diversified interests in various businesses such as Mining, Renewables, Defence & Aerospace, Airports, Road and Infrastructure, Solar Panel Manufacturing and Agro products. Renewables, Defence & Aerospace and Agro products. The Mining business under AEL works on unique model- as Mine Developers and Operators (MDO), involved in evaluation, development and processing of minerals for Government or State-owned power companies in India. The concept which was first pioneered by Adani in 2009, is now a widely accepted operating model to expedite the supply of dry fuel.



The Company's headquarter is in Ahmedabad India, with exploration activities (including operational and non-operational) at India and Indonesia. There are also some projects in India in the tender allotment phase. In FY 19, apart from operating mine at Parsa East and Kanta Basan, Chhattisgarh India, we initiated operations at Gare Pelma Sector-III. Other mining projects are at various stages of development and will be operational in due course of time.

 India 1501 MMT Coal Resources 72 MMT Peak Production Capacity	 Indonesia 269 MMT Coal Resources 8 MTPA Peak Production Capacity
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Parsa East & Kanta Basan (Operational)

Location- Central part of Hasdeo-Arand coal field in Surguja district, Chhattisgarh Parsa
Mineable Reserve- 452.46 MMT
Peak Capacity- 15 MMTPA
Mine Life- 30 Years
Ownership-Rajasthan Rajya Vidyut Utpadan Nigam Limited (RRVUNL)

Bailadila Iron Ore Project Depsit-13 (Under Development)

Location- Bastar district, Chhattisgarh
Mineable Reserve- 325 MMT
Peak Capacity- 10 MMTPA
Mine Life- 40 Years
Ownership-NMDC-CMDC Ltd (NCL)

Kente Extension (Under Development)

Location- Central part of Hasdeo-Arand coal field in Surguja district, Chhattisgarh
Mineable Reserve- 200 MMT
Peak Capacity- 7 MMTPA
Mine Life- 30 Years
Ownership-Rajasthan Rajya Vidyut Utpadan Nigam Limited (RRVUNL)

Parsa (Under Development)

Location- Central part of Hasdeo-Arand coal field in Surguja district, Chhattisgarh
Mineable Reserve- 200.41 MMT
Peak Capacity- 5 MMTPA
Mine Life- 42 Years
Ownership-Rajasthan Rajya Vidyut Utpadan Nigam Limited (RRVUNL)

Gare Pelma Sector- I (Conditional LOI)

Location- Mand-Raigarh Coalfield in Raigarh district, Chhattisgarh
Mineable Reserve- 349.4 MMT
Peak Capacity- 15 MMTPA
Mine Life- 30 Years
Ownership- Gujarat State Electricity Corporation Limited (GSECL)

Gare Pelma Sector- II (Conditional LOI)

Location- Mand-Raigarh Coalfield in Raigarh district, Chhattisgarh
Mineable Reserve- 655 MMT
Peak Capacity- 23.6 MMTPA
Mine Life- 30 Years
Ownership- Maharashtra State Power Generation Company(MAHAGENCO)

Gare Pelma Sector-III (Operational)

Location- Mand-Raigarh Coalfield in Raigarh district, Chhattisgarh
Mineable Reserve- 94.70 MMT
Peak Capacity- 5 MMTPA
Mine Life- 26 Years
Ownership-Chhattisgarh State Power Generation Company Limited

Hingula Washery (LOI)

Location- Angul district, Odisha
Capacity- 10 MMTPA
Life- 10 Years
Ownership- Mahanadi Coalfields Limited

Talabira II & III Coal Block (Under Development)

Location- IB Valleyin Jharsuguda & Sambalpur district, Odisha
Mineable Reserve- 553.98 MMT
Peak Capacity- 20 MMTPA
Mine Life- 32 Years
Ownership-NLC India Limited.

Suliyari (Under Development)

Location-Singrauli Coal Field, Madhya Pradesh
Mineable Reserve- 108.91 MMT
Peak Capacity- 5 MMTPA
Mine Life- 25 Years
Ownership- Mine Ownership by Andhra Pradesh Mineral Development Corporation Limited

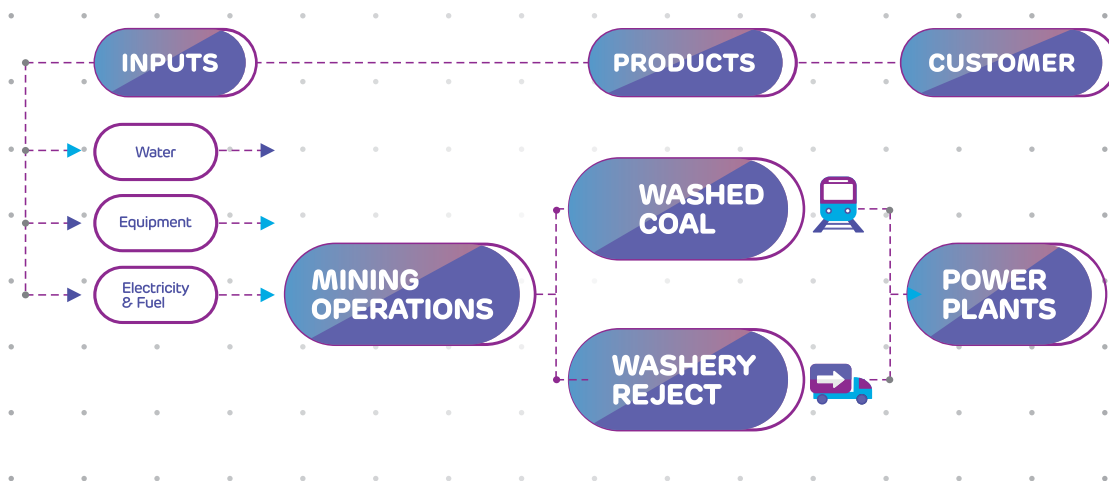
Indonesia North Kalimantan (Operational)

Location- North Kamiltan, Indonesia
Mineable Reserve- 269 MMT
Peak Capacity- 8 MMTPA
Ownership- T Adani Global, step down subsidiary of AEL

Supply Chain



Mining in remote locations requires a reliable supply chain and transport logistics for both supply materials and our products. Our service providers are primarily locally based companies. Our mines process coal and deliver to power plants (under long term contract agreements) who use it to produce electricity.



Sustainability-What it means to us?



Sustainability at Adani means providing more and cleaner energy solutions in a responsible manner – in a way that balances short- and long-term interests, and that integrates economic, environmental and social considerations into decision-making.

Our core values of honesty, integrity and respect for people underpin our approach to sustainability. A commitment to contribute to sustainable development was added. These principles, together with our Code of Conduct, apply to the way we do business and to our conduct with the communities where we operate. Since 2010, we have worked to embed this commitment in our strategy, our business processes and decision-making. We have set clear goals that address our key sustainability challenges. Sustainability is core to our project planning and operational activities.

The execution of our plan is founded on becoming a more customer-centric and clear focus organisation. Our ability to reach our strategic ambitions hinges on how we respond to competing forces. We continuously assess the external environment – the markets as well as the underlying economic, political, social and environmental drivers that shape them – to evaluate changes in competitive forces and business models. We use multiple future scenarios to assess the resilience of our strategy.

We undertake regular reviews of the markets we operate in and analyse trends and uncertainties, as well as our traditional and non-traditional competitors' strengths and weaknesses, to understand our competitive position. We maintain business strategies and plans that focus on actions and capabilities to create and sustain competitive advantage. We maintain a risk management framework that regularly assesses our response to, and risk appetite for, identified risk factors.

Against this backdrop, we have the succeeding strategic ambitions to help us in pursuing our purpose:

- To deliver a world-class investment case.
- To thrive in the energy transformation by responding to society's craving for more and cleaner, convenient and competitive energy; and
- To survive a strong societal license to operate and have a positive contribution to the society via our activities.

At AEL-Mining Business, we produce materials essential to economic development. Achieving this purpose requires us to work in remote locations and sensitive environments, often on land owned by Indigenous people. Our values and experience guide us that we must work in a way that delivers benefits for the owners of our company as well as the wider communities in which we operate. We must care for our employees, respect and care for the environment while we operate, and rehabilitate the land when we cease. This is the foundation of our approach. At the simplest level, this means doing no harm.

This year, we again took stock of the issues facing our business, as well as the societal and economic trends changing the global landscape, and developed an integrated approach to sustainability that ensures material issues are at the heart of our business strategy and corporate governance.

This approach comprises every facet of the work we do, but begins with **Running a safe and responsible business**. Safety is important to us not only because we care for the people we work with, but because a safe business is an operationally productive and resilient business. Profitability enables us to meet our commitments to our shareholders and assume leadership in other areas, including sustainability.

Protecting the environment is also critically important to us. Adani as a business group, acknowledges the reality of climate change and its potential to have a negative impact on our business, our communities and the people around us. We believe we are doing our part – from using technology that can make our operations less polluting, conserving natural habitat to the maximum and reducing the use of resources in our operation as much as possible.

Creating co-benefits for the people around is our ultimate goal. The one-way we do this, is through the corporate taxes that we pay to the government. CSR initiatives undertaken, support all the development in the region, which is over and above the direct development investments we make in infrastructure and well-being. Our business is often the major source of jobs and livelihoods –and sometimes, one of few avenues to opportunity. For example, in Surguja region of Chhattisgarh we are the only economic entity.

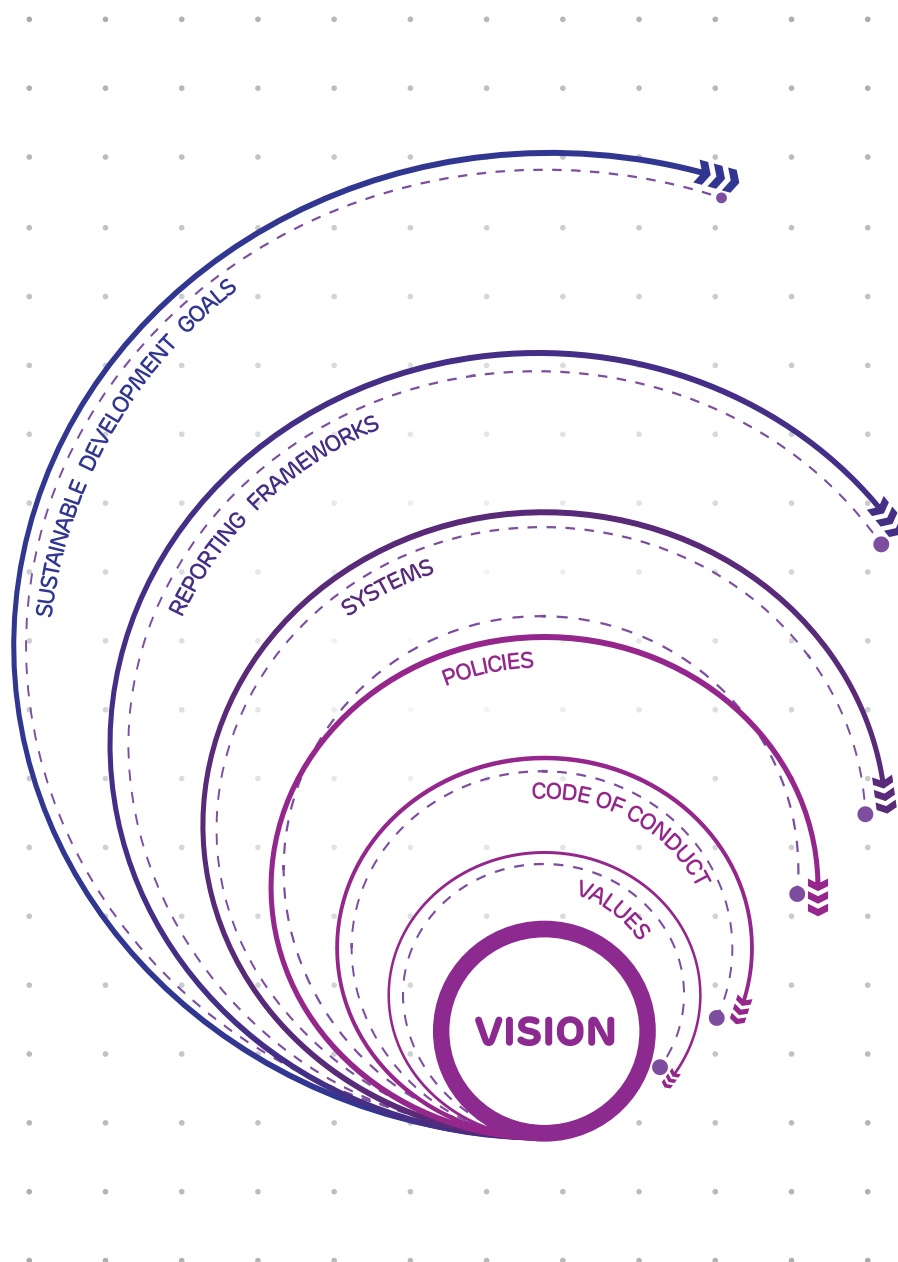
Our priorities are imbedded in Responsible Mining Framework that take into consideration applicable international guidelines, and defines the way we manage material economic, social, health and safety and environmental issues. We apply global standards to manage safety, the environment and how we engage with communities and we work to continuously improve our performance. The framework is an auditable process specification outlining

Running a safe,
responsible
& profitable
business.

Protecting the
environment.

Creating
co-benefits
for the people.

mandatory requirements for management systems to be implemented at all Adani Mining sites for the management of environmental and social aspects of our business. It directly supports the company-wide implementation of our policies on climate change, Human rights, Corporate Social Responsibility, Environment and Safety.



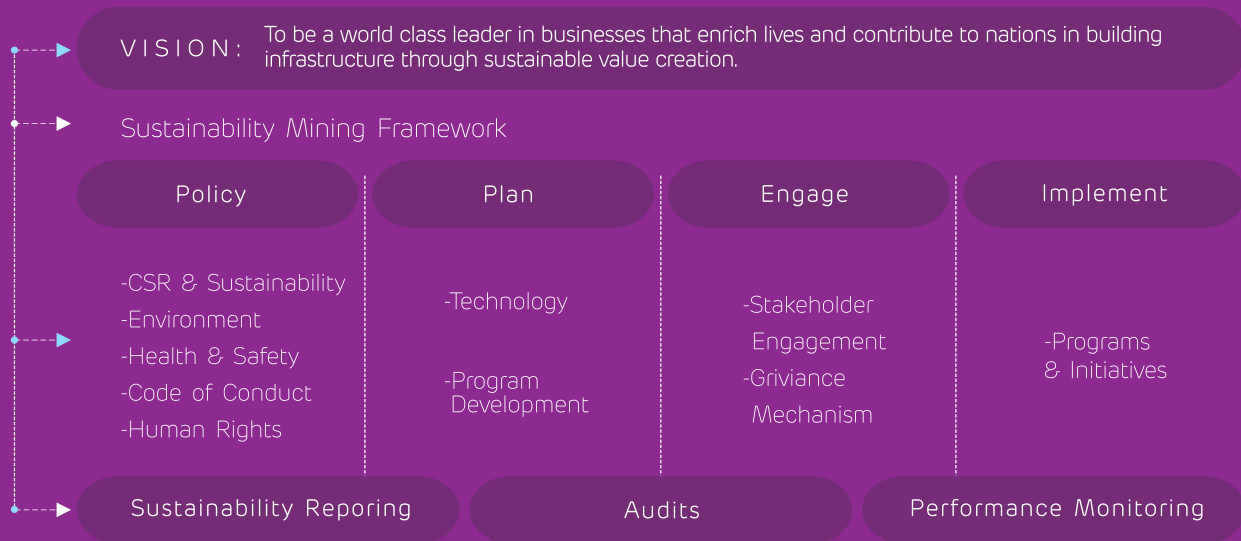
Running a Safe & Profitable Mine

Minimizing Environment Footprint

Creating Co-benefits for the people



Sustainability Implementation



Sustainability Oversight and Materiality

The Board has eight members (seven male members and one female member), four of whom are independent, non-executive directors. The Board also has six standing committees including the (1) Audit Committee, (2) Nomination & Remuneration Committee (3) Stakeholders Relationship Committee (4) Corporate Social Responsibility Committee, (5) Risk Management Committee and, (6) Securities Transfer Committee.

Committee mandates are reviewed and updated regularly to maintain continued relevancy and to provide an effective framework for a high standard of governance. The members of the Committee meet periodically to discuss key concerns and performance of the business and management's efforts to address the concerns.

Board of Directors

Gautam S. Adani
Executive Chairman

Rajesh S. Adani
Managing Director

Pranav Adani
Director

Vinay Prakash
Director

Hemant M. Nerurkar
Non-Executive
Independent Director

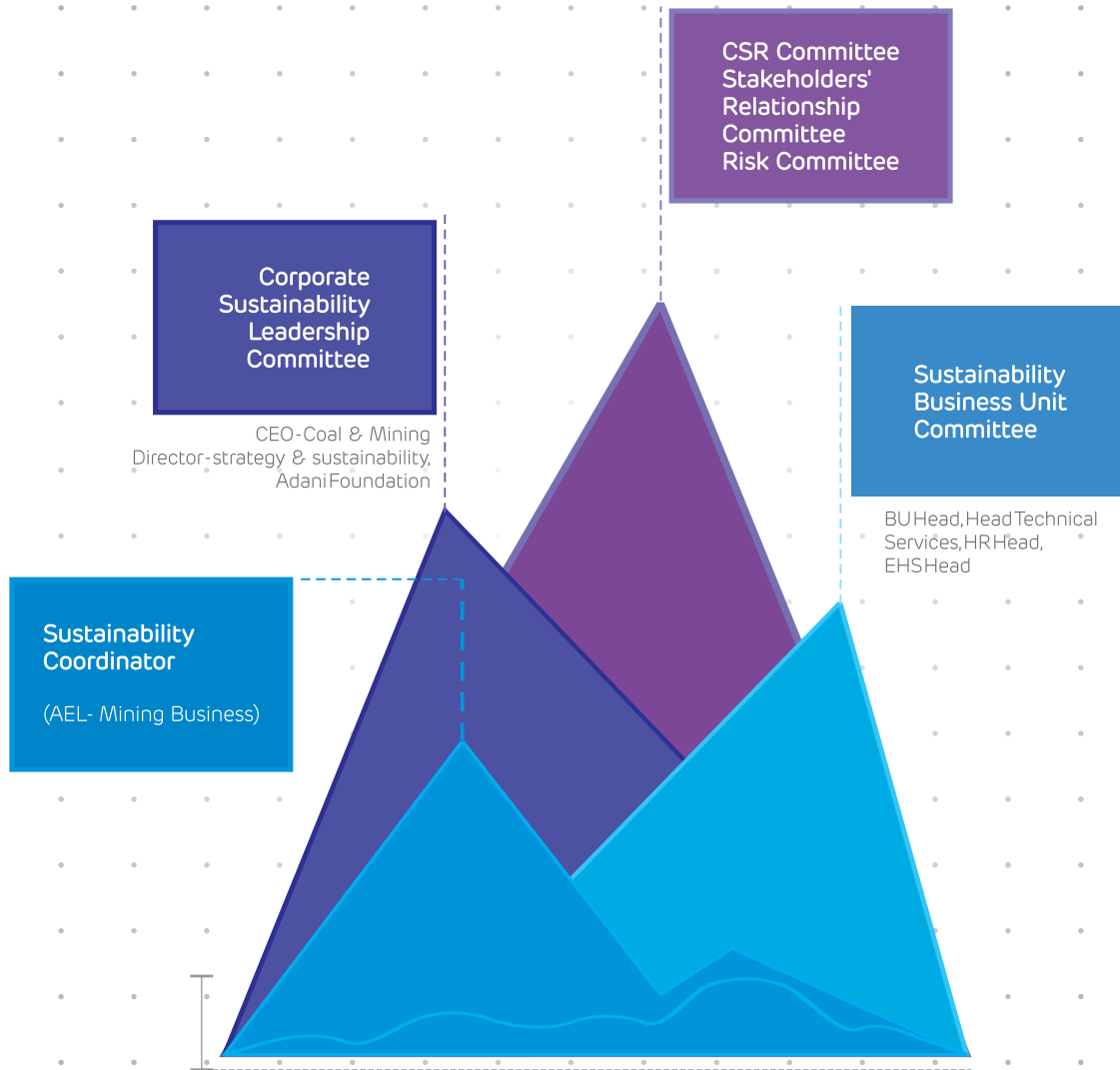
V. Subramanian
Non-Executive
Independent Director

Vijaylaxmi Joshi
Non-Executive
Independent Director

Narendra Mairpady
Non-Executive
Independent Director

The CSR Committee meets half-yearly to review the Company's CSR and Sustainability efforts, take advantage of new opportunities and address concerns if any. The Risk Management Committee and Stakeholder Relationship Committee assists the Board in its oversight of key stakeholder concerns and risks pertaining to safety, environmental and social issues. The CSR Committee formally reviews and approves AEL- Mining Business's Sustainability Report, confirming that all identified material aspects receive coverage in the report. Senior management has reviewed and ensured the accuracy of the data and information contained in this report, including the CEO and Head Adani Foundation.

* A s o n 3 1 s t M a r c h 2 0 1 9



Code of Conduct

The Company and its subsidiaries and their respective directors, officers, employees, consultants and contractors, are expected to conduct business activities ethically and transparently, in accordance with our Code of Conduct, Ethical Values and Anti-Corruption Policy. The policies are reviewed regularly by senior management and is available on our website: www.adanienterprises.com. In addition to our Code, how we operate is embedded in our Sustainable Mining Framework. These documents shape and inform approach of doing business at AEL-Mining.

Measures are in place to support employee reviews of the Code during the on-hire induction process and again on an annual basis. We also distribute our Code to contractors, suppliers, customers and service providers to ensure they understand AEL- Mining Business's expectations and conduct their activities in accordance with these standards. The Code articulates definitions and expectations related to the avoidance of situations that may constitute a conflict of interest. Company representatives are expected to avoid all situations where personal interests or activities interfere or appear to conflict with the best interests of the Company, or adversely influence the proper discharge of his/her obligations, duties and responsibilities to the Company and its shareholders.

Materiality

Stakeholder engagement forms a critical loop to identify concerns and opportunities to operate sustainably. The Risk Management Committee qualifies the emerging issues that could affect our business operations as well as changing social situations that may influence stakeholders' quality of life and perceptions of the mine.

Adani AEL- Mining operations is committed to ensuring open and inclusive dialogue and mutual understanding with its stakeholders during all phases of the mine-lifecycle.

AEL- Mining operations have continued to strengthen their approach to stakeholder engagement- also stated in the Stakeholder Management Standard. This module also forms part of the Integrated Management Standard that is implemented at our sites.

Our operating mine, PEKB maintained a focus on engagement as a part of operating guidelines and continues to receive positive feedback from the community, and regulators in response to transparent public engagement. The site continued formal and informal engagement throughout FY 19 to maintain positive relationships with stakeholders and increase communications regarding water management, education, health and livelihood support and will continue in future years.

In FY 19, the Gare Pelma site operations team initiated a social dialogue for broadening and deepening social engagement with the villages to understand their interests, concerns and long-term priorities for community development. 24 FGD's (Focused Group Discussions) and six village level events were organized. At Talabira II & III, which is in early stages of mine development, Adani Foundation team continued to engage constructively with the villagers of the nearby villages. In November, NLCIL-Director Mines visited the site and resolved queries of the affected villagers on rehabilitation and compensation.



Stakeholders	Frequency of Engagement	Issues Discussed
Investors	Quarterly and Half-yearly meets, Annual reports, investor communications, half-yearly financial reporting, website and email, market announcements, annual general meeting, and industry conferences.	Profitability, Business growth, compliance
Community	Regular site visits and team interactions with leaders and communities, complaints and grievance mechanisms.	Water impact, CSR activities, Safety, Employment
Employees	Monthly web sessions, emails, Quarterly town-hall meetings, email, newsletters, social events, performance reviews, direct.	Employment, diversity, benefits, Training & Development, Employee performance
Regulators	Face-to-face meetings, regular briefings, direct engagement.	Compliance, Environment Impact
Customers	Monthly meetings, reports, face-to-face discussions.	Customer satisfaction, Cost, Production
Contractors	Face-to-face discussions, annual meets	Quality, Payments, Safety, Labour Management etc.

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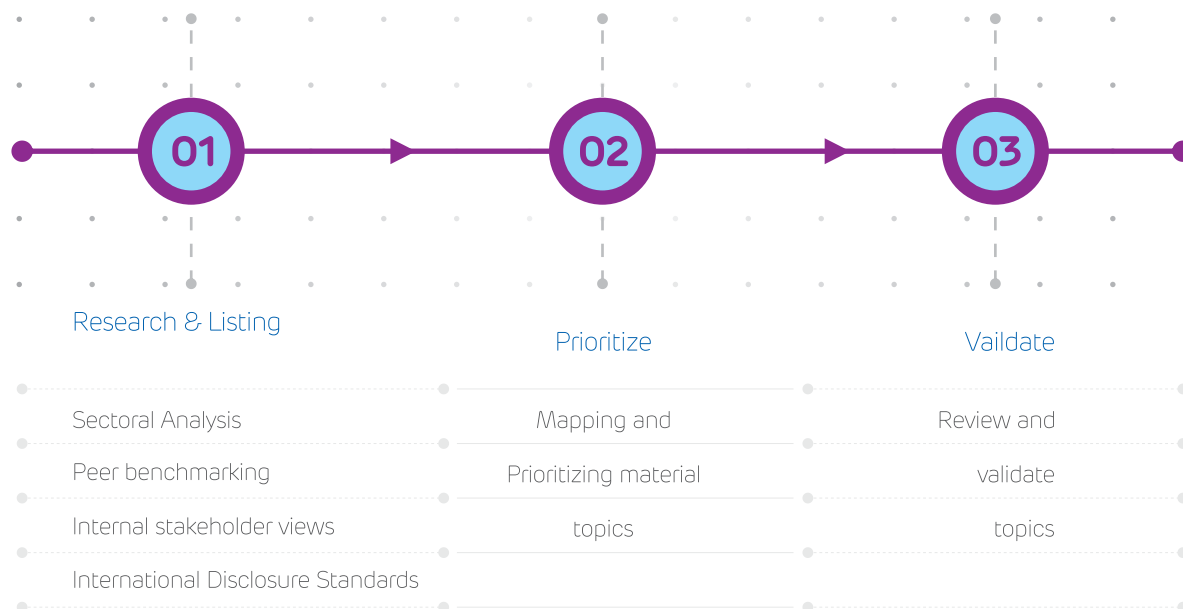
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Every year we review the sustainability topics that matter most to our business and stakeholders. Following the Global Reporting Initiative (GRI) Standards, this year we prioritised our material topics, combining an analysis of the external environment with feedback from Adani Enterprise Limited's leaders and subject matter experts while also considering stakeholder expectations. This report details these topics in relation to our business in FY19.



■ Critical
 ■ Medium
 ■ Low
 — Material Issues
 — Stakeholders Impacted

Addressing the UN Sustainable Development Goals

GOAL 7: Ensure access to affordable, reliable, sustainable and modern energy for all.

Adani delivers reliable and cheap energy that helps run economic activity and improve the ideal of living. In addition, Adani is researching for other low emission technologies.

GOAL 6: Ensure availability and sustainable management of water and sanitation for all.

In Indonesia, we built a water reservoir along with a water treatment unit, which was handed over to the local government to improve the water availability for the community.

GOAL 8: Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all.

Whenever we are working in a community, we add economic and social value by creating local jobs, supporting local supplier development and providing opportunities through training and investments. We employ directly or indirectly, nearly 1300 people in Indonesia.

GOAL 12: Ensure sustainable consumption and production patterns.

We are working to make our activities more efficient while also helps in aiding our customers to limit their emissions. These solutions include creating advanced plastics and other materials that can be in a broad range of consumer products to reduce weight and improve fuel efficiency, and by developing premium, high-efficiency fuels and lubricants.

GOAL 13: Take urgent action to combat climate change and its impacts. Meeting the world's ever-increasing energy demand while simultaneously reducing environmental impacts, including the risks of climate change, is one of society's most pressing challenges.

We are focused on mitigating emissions in our operations, developing technology solutions, providing solutions that reduce emissions for our customers and engaging in climate change policy.

GOAL 15: Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification and halt and reverse land degradation, and halt biodiversity loss.

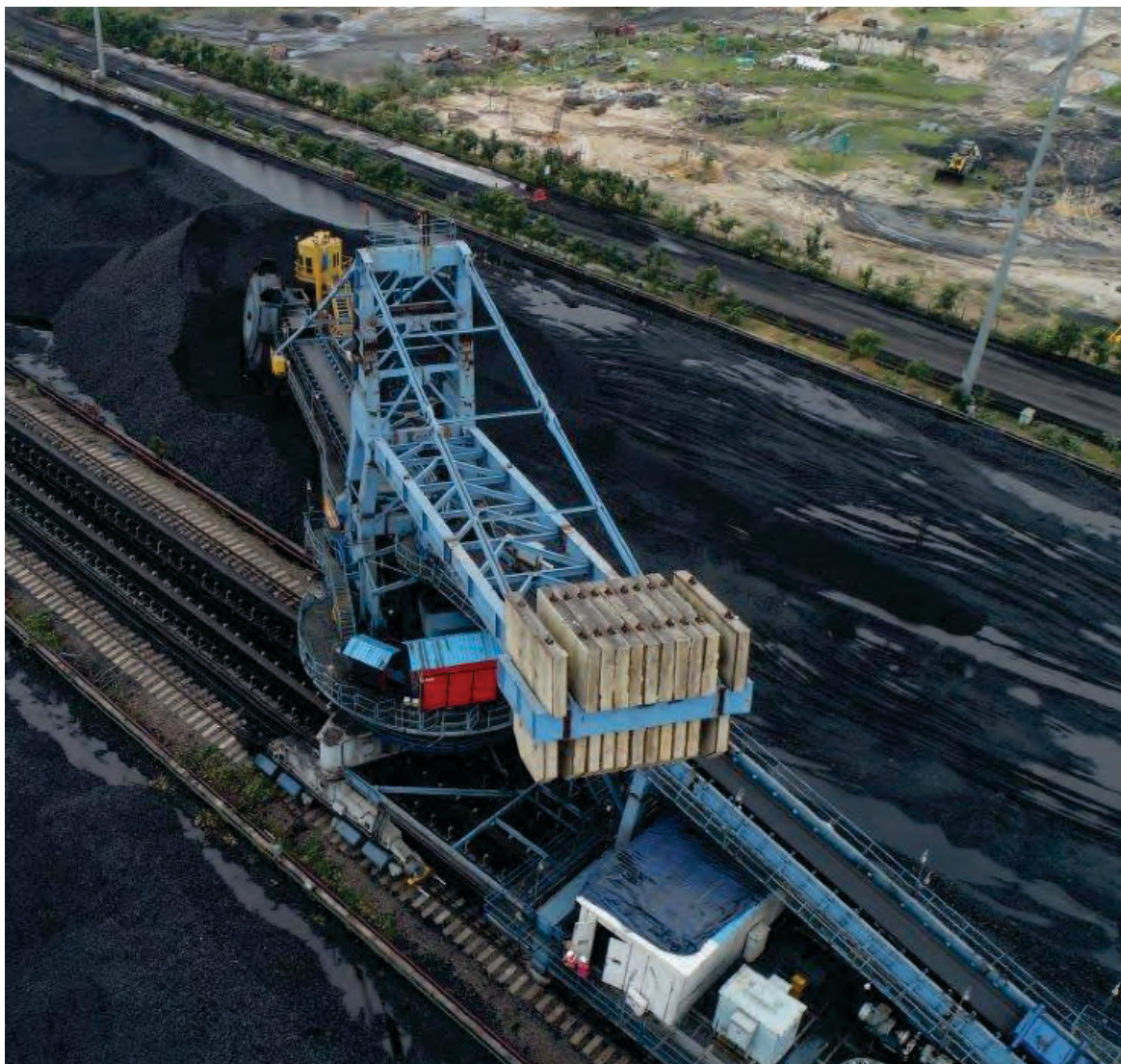
We try our best to conserve Biodiversity wherever we mine or excavate. Committee mandates are reviewed and updated regularly to maintain continued relevancy and to provide an effective framework for a high standard of governance. The members of the Committee meet periodically to discuss key concerns and performance of the business and management's efforts to address the concerns.

THE GLOBAL GOALS
For Sustainable Development



Running a Safe and Responsible Mine

This is the root of our approach. We focus to produce and deliver energy in an accountable way – in a way that compliments people, their safety and their environment. At the undecorated level, this means doing no harm. We apply global standards to manage safety, the environment, and how we engage with communities, and we work for continuous improvement of our performance.



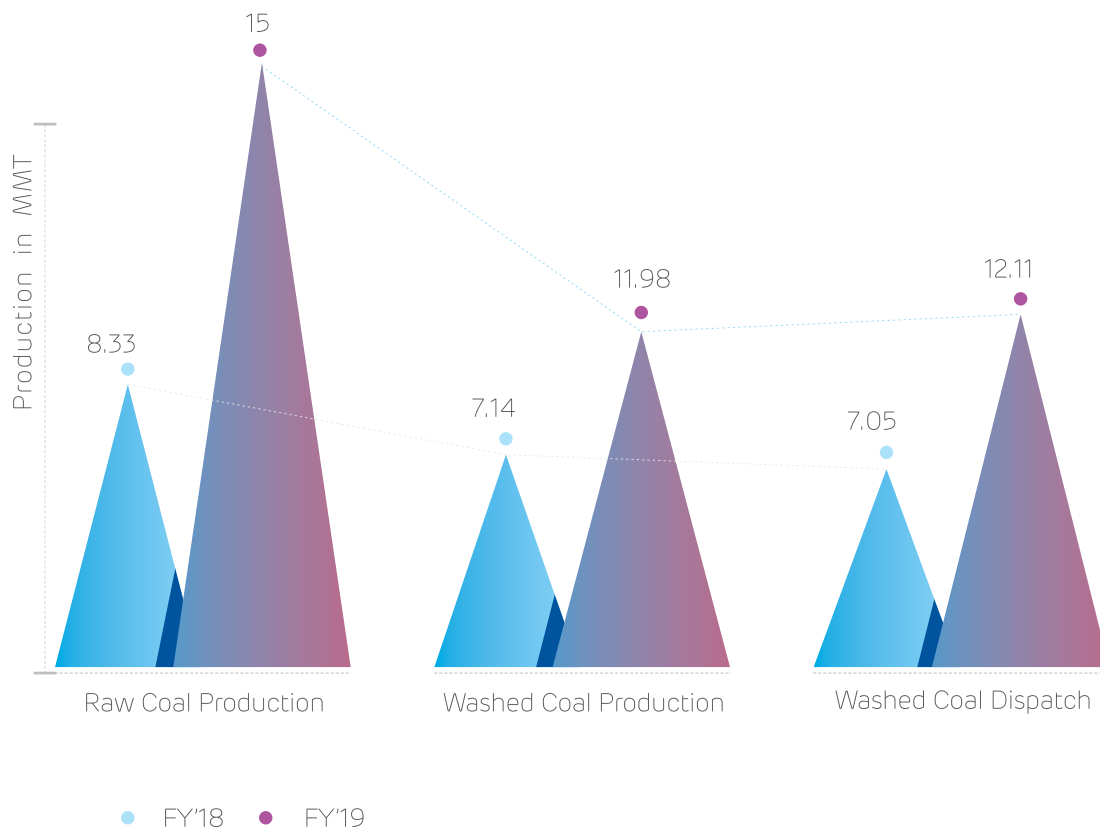
Economic Benefit

From a financial perspective, sustainable development means creating a healthy company with the financial resources to support the communities where we operate.

Approach:

We continuously monitor our performance and objectives, conduct opportunity and risk assessments and integrate these findings into our economic strategy. We regularly review and adjust our actions to reflect changing internal dynamics and external factors affecting our business.

In line with our vision towards India's energy security, the performance of our Coal Mining business remained robust during the year. Our PEKB mine reported a 80% growth in domestic coal production during the year - taking the ROM to 15MMT. Our extractive capacity is increasing with each passing year, with new projects being commissioned. AEL overall registered improved financial performance are on the back of its strong operational performance across key segments. During the reporting year, the organization entered into long term MDO contracts of Bailadila Iron ore mine (10 MMT) and Suliyari coal block(5 MMT) taking our total production capacity to 72 MMT.



Parameters	2015-16	2016-17	2017-18	2018-19
Economic Value Generated (in Cr.)				
Revenue from Operations	570	913	804	1464
Economic Value Distributed (in Cr.)				
Operating costs	183	304	293	512.86
Employee wages	65	67	61	29.1
Payments to providers of capital	56	86	78	88.38
Depreciation	50	54	65	80.2



Health & Safety

Safety at workplace is our top priority

It's easier to believe that human error causes incidents. However, when we did dig deeper, we found that actions and decisions are affected by the surrounding in which people work – including the machinery, systems, processes and environment. We can fix those problems to reduce the possibility of mistakes. It can be as straightforward as making it fully clear which button to press. Alternatively, it could be more complex, like enquiring about where there is a probability for a misunderstanding in a procedure. Behind every metric or statistic is an actual human. That's why, for us, safety is exactly like taking care of each of us by fixing these issues.



Mining, by its nature, has potential hazards that must be carefully managed. On a daily basis, mine workers may be engaged in operating heavy machinery, using explosives and chemicals, working at heights as well as other complex and potentially dangerous tasks. Our goal is no mistake, no harm to people and no damage to the surrounding. To deliver this, we carefully plan our actions, with the goal of identifying potential hazards and administering risks at every point. We design our facilities aligned with process security – the function of good design and engineering principles. If we can't remove a hazard, we take steps to reduce or manage it.

Human behaviour and interaction with equipment, underpin any safe working environment. We are assimilating these human performance techniques into our actual practices, such as incident investigation, risk assessment, and how we design facilities and equipment, to help prevent errors. We are fully committed to systematic learning to strengthen our safety conduct, we investigate incidents and near misses, take punitive action, apply what we have learned and focus on constantly improving how we work. Our efficient approach to researching is also formed by good practices from other industries.

Programs & Initiatives

Safety is a core value at Adani mines. The health and safety policies set by Adani Mines and adopted by our affiliates echo our company's commitment to high operational ideals and the well-being of our employees. We aim for an incident-free workplace and a culture that adheres with our clear and simple objective, that Nobody Gets Harmed or hurt. We build our society of safety and health by drawing, developing and retaining individuals who share our pledge to operational excellence.

Collaboration - We share what we have learned with our contractors. Our standard model bond includes health, safety and security essentials. We also use documents to characterise how our safety authority system co-exists with those of our contractors to manage exposure to a danger on a site. For our contractors who work on more perilous tasks, we conduct quality, technical, health, safety and security analysis before awarding contracts. Once they start work, we maintain to monitor their safety performance and work together to fix issues.

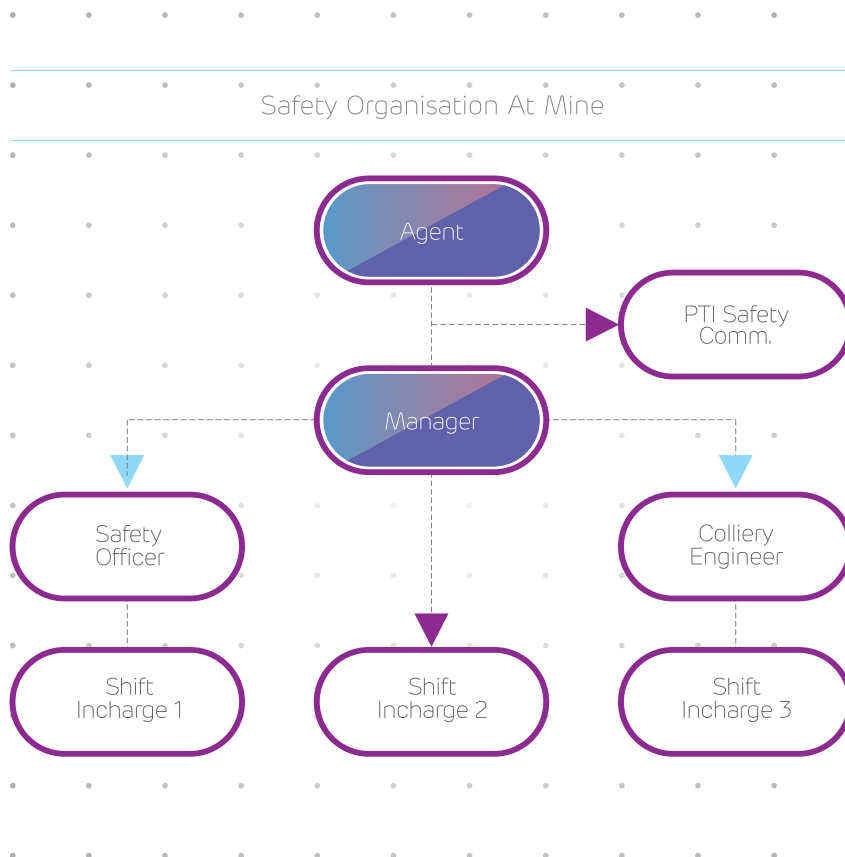
Policy & Practices

Our Incident Reduction Initiative focuses on preventing serious incidents and fatalities through training and site-specific action plans. Our health and safety refresher courses provides leadership and technical training for front-line supervisors. A mobile app to undertake incident recording is in development to improve the ease of use and effectiveness of the system.



Monitoring

Safety audits – PEKB mine is audited annually, on a continually rotating schedule, by a corporate safety department team lead with assistance from site personnel. Areas of identified high priority are elevated to the site Head for immediate action. We are in process of developing Online incident reporting system which will enable us to monitor incidents on real-time basis as well as report incident to stakeholders on a periodic basis.



Accountability

The Risk Management Committee oversees safety in the organization. A senior management safety committee, along with the PTI Safety committee implements the Health and Safety Policy and sets annual safety targets. The PTI Safety Committee and Safety Committee for Washery & CHP, deploy site-wide initiatives identified through our risk assessment process, our safety audit programs, and our incident investigations.

Safety Committee	Number Of Members FY' 2018-19	Percentage of Total Workforce
PTI Safety Committee (Mine Level)	35	7.20
Safety Committee for Washery and CHP	17	4.13

Safety Performance

In line with our hazard identification procedure, we are strategically addressing safety under four broad categories.

- **Process safety:**

Process safety is about managing the integrity of our facilities by applying good design principles, engineering and operating practices. Adani incorporates rigorous safety standards and procedures in our facilities' design, construction and operating activities. We continue to monitor new and emerging issues in occupational health and safety and changes in regulatory environments, so we can identify mitigation strategies and responses.

- **Product Transportation**

We implement safety and environmental standards for transporting coal. We attentively maintain and monitor our infrastructure worldwide to analyze and prevent third-party damage or illegal encroachment onto our rights of way.

- **Emergency preparedness & feedback**

We have established emergency support groups and incident administration teams around the world to develop and practice emergency response Safety, health and workplace strategies.

- **Safety through Technology**

We have embarked on setting up an integrated security command centre at PEKB, leveraging the latest technology like video analytics, intelligent operation control platform, incident management system etc.. This gives a holistic view to the security team duly covering surveillance and safety. This has been taken up in phases and is likely to culminate very soon. This will be rolled to other mines as and when they come up.

Our safety performance has seen strong improvements in recent years, as a direct result of being a targeted goal. FY 19 was the year with zero lost time injury frequency and zero total number of lost time injuries recorded. The most common incidents resulting in lost time injuries in our mines include: operating machinery, road accidents, slips, and falls. The incidents are thoroughly investigated, and preventative action is taken to eliminate similar incidents in the future. For severe incidents, we conduct comprehensive investigations, and review findings and make recommendations.

Sl. No.	Particulars	Base Year	2 nd Year	3 rd Year	4 th Year
		2015-16	2016-17	2017-18	2018-19
01	Fatal Accidents	0	0	0	0
02	Non-fatal accidents	1	2	1	0
03	Number of Near Miss Incidents	2	5	2	11
04	First Aid Cases	2	2	1	0
05	Total Man-Days lost due to Accidents	8	18	6	12
06	No. of Occupational Diseases	0	0	0	0
07	Frequency Rate of Accident	0.54	0.74	0.54	0
08	Severity Rate of Accident	4.37	6.65	3.22	0



Training & Development

Training is one of the ways we ensure safe working place. Effective systems alongside well-informed people make for a good recipe for safety. In FY 19, we focused on strengthening people's capacities to behave, act and lead with safety in mind.

We continued to introduce and offer programs with a focus on maintaining and improving workforce health across our site over the past year. These include mock drills to prepare employees to respond in case of emergency, Safety promotion activities such as Fire Service Day and monthly "Safety Kumbh" celebrations. The practice has increased the awareness levels of our employees and reduced the safety response rate.

Safety in Induction

New employees including contractor employees, prior to authorization for specific job in the mine area, undergo 18 days where safety is one of most critical topics discussed. Employees after the training are expected to use their safety knowledge in their routine Job.

Re-orientation Training:

Workforce whose nature of job or in future designation or change of job/work location might change. 3 days training is provided on safety prior to authorization into the mine. Annual Safety Refresher training was given to all Bunyu Mine Site Supervisors and Crew to create zero accidents in carrying out tasks every day.

Specialized Trainings

For job functions, where safety is extremely critical, special attention is given to mine rules, safety protocols, policies and standards. Vocational Training Centre covers some special training topics for the workforce which is related to their work and safety. Few of the topics which are covered under the Special training are as follows: -

- Monsoon preparation
- How to stabilize the dump failure
- How to do effective Blasting with minimum resources and maximum output
- Following the traffic rules and regulations into the mine premises.
- Following the Code of practices about different machinery and operators

Women Safety Training

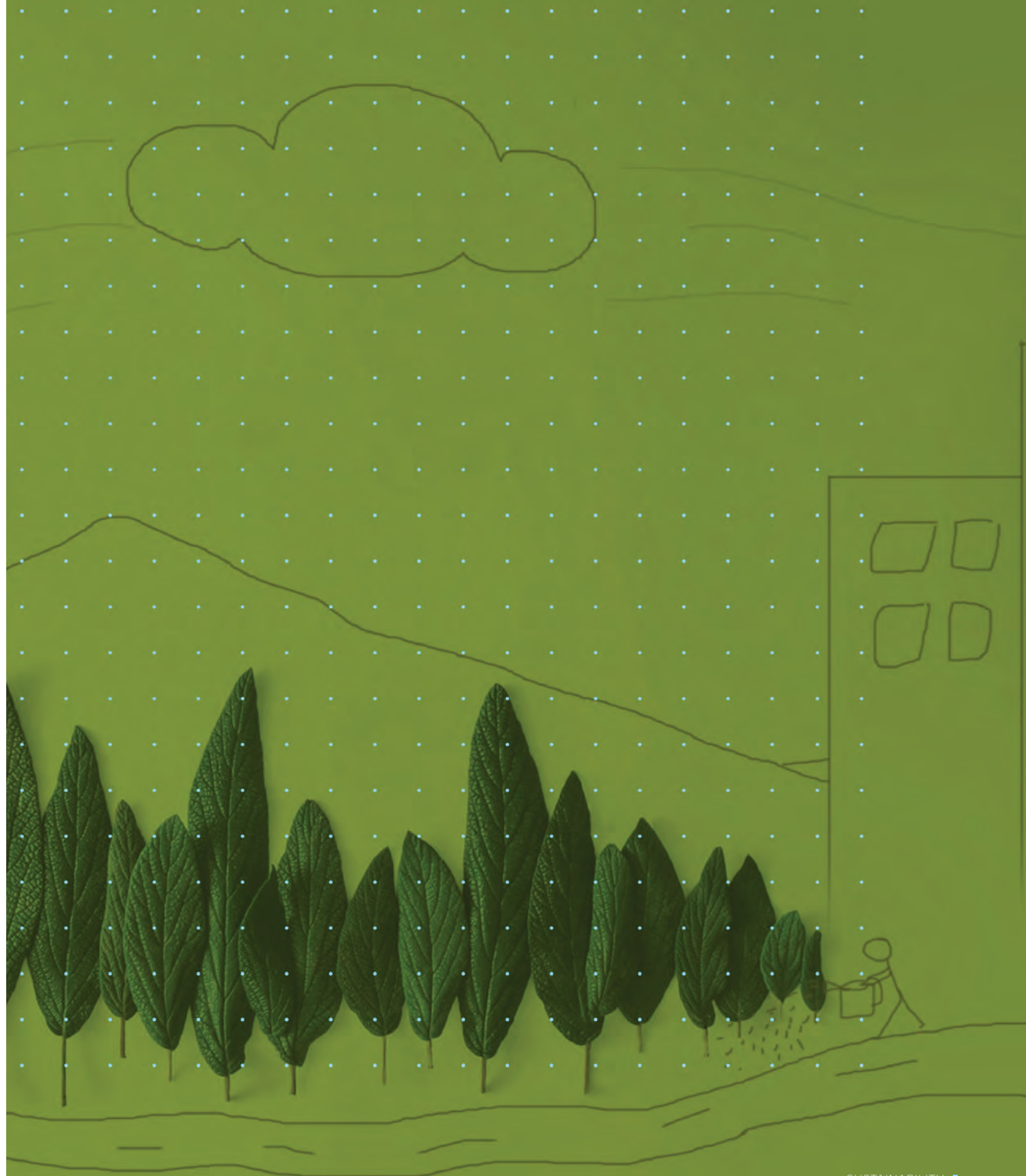
Safety of Women is increasingly becoming one of the major concerns, creating barriers for women from entering the workforce. We acknowledge these concerns and through our initiatives attempt to make workplace safe for women as far as possible. In FY 19, we organized safety session for women at our Gurugram office to promote the culture of safety and preparedness.

At PEKB, we conduct mandatory safety induction training for all visitors through a KIOSK based system.



Minimizing Environmental Footprint

Only by operating as an answerable and reliable business do we earn the trust of shareholders and society more widely and that is essential for Adani to play its part in promoting a low carbon future and significant human progress.



Managing Environmental Impacts



We are aware that, by their nature, our operations generate impacts on the air, water, bio-diversity and land in general. As well as complying with our regulatory obligations in this field, we take responsibility for the environmental and social impacts of our activities, seeking to avoid and minimise them. This involves establishing very clear internal standards and practices that are in line with local regulations and international. It also means having dialogue with communities – both to understand and to respond to complaints about our environmental impacts such as dust and water quality. As well as working in line with our own standards and processes, we take part in industry reviews of issues such as bio-diversity, water stewardship and tailings management to share knowledge, learn from others and improve our approaches and practices.

Approach

We take every practical measure to minimize the environmental impacts of our operations in each phase of the mining cycle – from exploration through development, construction, operation, closure, and post-closure. Key components of our management approach include:



Policy

Our Environmental Policy sets commitments to address environmental issues, including: compliance with environmental standards, laws and regulations; efficient use of energy and other natural resources; consultation with community; and utilizing effective and proven practices to minimize environmental impacts.

Programs and Initiatives

We have developed internal guidelines as part of our Sustainable Mining Manual for Bio-diversity and Resource Use and Waste Management.

Monitoring

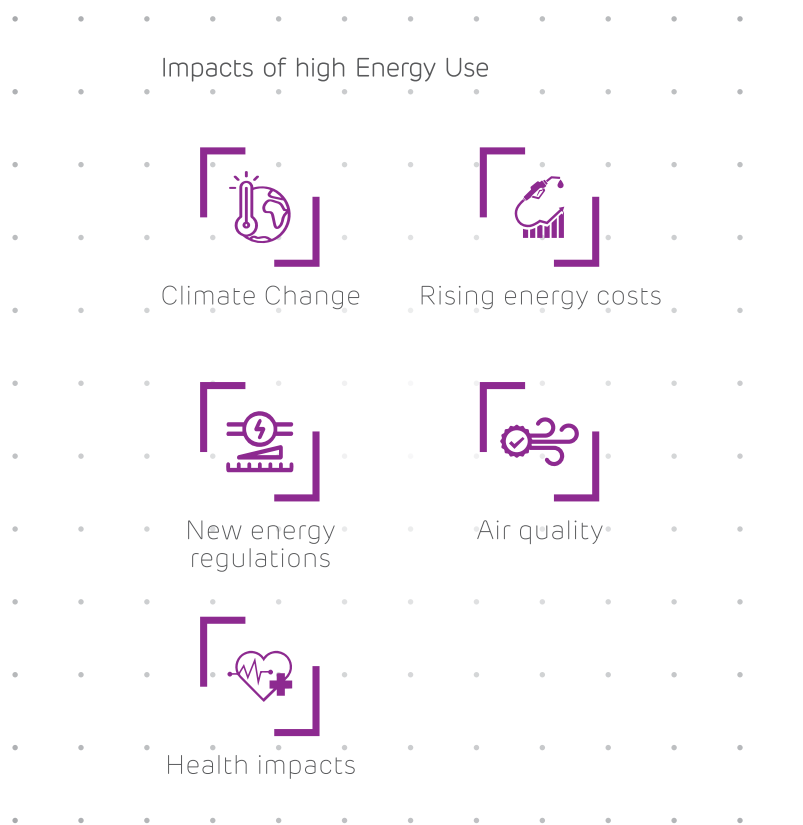
Each mine is audited at least once every year to assess the mine's facilities, operating procedures and control systems to ensure potential environmental risks are being managed correctly. Audits are conducted by external professionals from third-party agencies. The audit process fosters sharing of best practice and integration among mines and ensures that site level procedures are consistent with our corporate guidelines.

Accountability

Senior Manager- Environment in Corporate office is responsible for coordinating with various departments at mine site for obtaining environmental data. Each of our operations is responsible for the development and implementation of procedures and programs that comply with our Environmental Policy and Sustainable Mining Framework.

Air Emissions & Energy

Mining is an energy-intensive industry. Mines consume energy through extraction, production, and transportation of products. Energy use, particularly through fuel combustion and electricity consumption, causes greenhouse gas (GHG) emissions, which contribute to climate change. Dust generated by activities, such as blasting and stacking, can potentially affect air quality if not properly managed. For us, reducing greenhouse gas emissions and energy use provides us with cost savings and environmental benefits within and beyond our operating boundaries.



In FY 19, we reviewed our GHG emission inventory calculations for better alignment with ISO 14064-1, GHG protocol and international disclosure standards- CDP, DJSI and TCFD. We are in process of preparing our selves for Climate Change Risk assessment which will further add objectivity to our actions and commitments.

Activities & Programs

We are actively implementing the Energy and Green house Gas Emissions Protocol. We continuously search for emissions and energy management projects to minimize our impacts. An example of our commitment to be more energy efficient is the use of railways to ferry coal to power plant locations, resulting in energy efficiency as compared to the earlier use of trucks. Rejects are transported to siding at PEKB through trucks. PEKB uses eco-friendly mining technology like the surface miner that not only is more cost effective but also provides a more environmentally gentle mining method by reducing heavy vibrations and pollution by noise and dust created by conventional methods.

Monitoring

We conduct energy and fuel monitoring at all operations and use that information to calculate our greenhouse gas emissions. We conduct regular dust monitoring around our operations and monitor the air quality of air emissions through installed control devices. This monitoring allows us to confirm compliance with relevant air quality standards at all operations throughout 2018-19.

Energy Use

The sources of energy used in our activities and how efficiently we use this energy influence the type and quantity of emissions. The energy used at our sites comes principally from diesel fuel or electricity, which is grid-sourced. Our primary uses of energy include mining, crushing coal rock, water pumping, ferrying coal through trucks, washery etc.

Our maximum impact of emissions is in transportation of coal through railways- making approximately 86 percent of the total emission in tCo2e

The more we process at our site, the more energy we use. Also, as our mines become gradually deeper, the energy required to ferry coal to the processing mill then increases. We track the intensity of our GHG emissions (emissions per tonne of coal produced) which helps us gauge the overall energy efficiency of our processes and the effect of our use of cleaner grid energy.

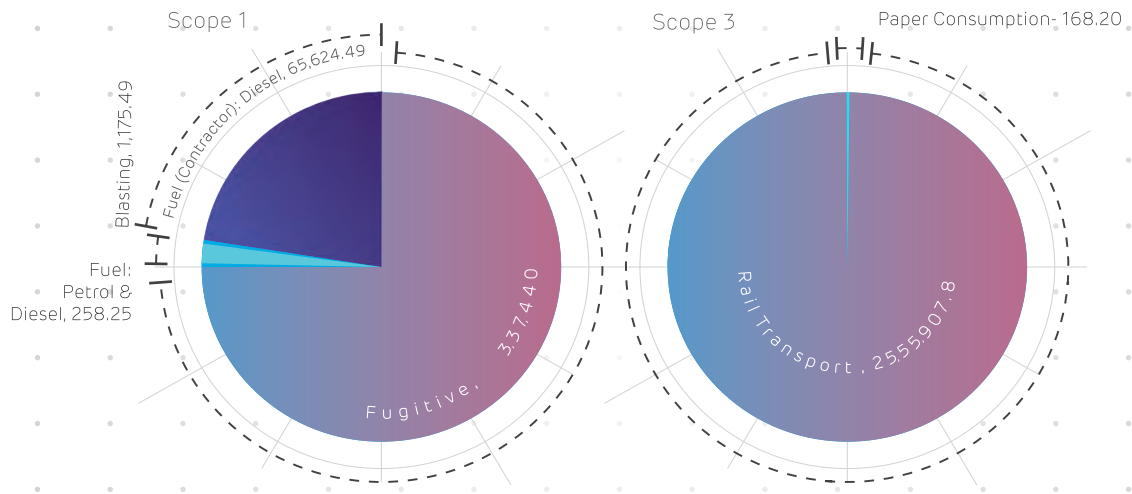
GHG Intensity: 0.20 tCo₂/MT Coal

Emissions in tCO2e

	Scope 1	Scope 2	Scope 3
PEKB	4,04,340.74	18,655.85	25,56,047.12
Talabira II & III	61.56	13.20	26.10
GP III	95.65	43.81	2.90
Total	4,04,497.94	18,712.87	25,56,076.12

Energy Use in GJ

	Direct Energy	Indirect Energy
PEKB	9,77,811.12	81,903.74
Talabira II & III	491.04	57.96
GP III	902.48	192.35
Total	9,79,205	8,11,154



Direct GHG Emissions and Removals: Emissions from diesel consumed by AEL and contractors. Diesel is consumed in dumpers, pay loaders, surface miners, excavators, water tankers, road graders, dozers, DG sets; Petrol consumed in vehicles; Blasting; Diesel consumed in trucks transporting coal from mine to siding, Fugitive methane emissions.

Energy Indirect GHG Emissions: Electricity consumed in Coal washery, office and other activities **Other Indirect GHG Emissions:** Emissions due to Rail transport from siding to thermal power plant; Paper consumption
Calculations:

- CO_2 emissions due to Diesel consumption (tCO_2e) = Quantity of Diesel (litres) x Density (kg/l) x Net calorific value (TJ/Gg) x Emission Factor ($\text{Kg CO}_2/\text{TJ}$)/ 10^9
- N_2O emissions from Diesel consumption (tCO_2e) = Quantity of Diesel (litres) x Density (kg/l) x Net calorific value (TJ/Gg) x Emission Factor of N_2O ($\text{Kg CO}_2/\text{TJ}$)/ 10^9 x GWP of N_2O
- CO_2 emissions due to CH_4 emissions from Diesel consumption (tCO_2e) = Quantity of Diesel (litres) x Density (kg/l) x Net calorific value (TJ/Gg) x Emission Factor of CH_4 ($\text{Kg CO}_2/\text{TJ}$)/ 10^9 x GWP of CH_4
- GHG Emissions from Road Transport (tCO_2) = Average trucks trips per day x Distance from mine to rail siding and back (Km) x 365 x Emission Factor (gCO_2/Km)/ 10^6
- Fugitive Emissions from Coal Mining = Coal Production in MT X CH_4 Emission Factor (m^3/Tonne) X Conversion Factor (Tonne/m^3) X GWP of CH_4
- GHG emissions from Rail Transport (tCO_2) = Total distance travelled from rail siding to power plant and back (Km) x Average dispatch quantity per rake (Tonnes) x Number of rakes x Emission factor ($\text{Kg CO}_2/\text{tonne-km}$) /1000



Water Use Performance

Source of Water Consumption	FY' 18 Quantity (KL)	FY' 19 Quantity (KL)
Ground Water	49,275	44,840
Seepage Water	15,57,336	28,05,000

Water Intensity- 187,332 Litres/MT of Coal

Bio-diversity & Land Reclamation

Mining activities require the development of infrastructure, which alters the natural features of the local landscape. Open pit mines, washery, roads etc. can damage habitat, impact individual species, and affect overall local ecosystem. Mines have finite lives and mining companies are responsible for managing the impact of their operations not only during operation, but also after the closure of a mine. This means site reclamation and ensuring there are no health and safety risks from mining waste, equipment and infrastructure. It is important to us to return the land disturbed by our activities to as close to its natural state as possible. For us, successful mine closure must be planned before a mine is in operation with input from local communities and governments.

Bio-diversity Management Plans form the foundation for our approach to ecological conservation at the time of construction and reclamation. Mining often occurs in or near sensitive natural environments, so bio-diversity protection is a key part of our Sustainable Mining Framework. We address impacts of our operation on ecology at two levels:

Exploration Phase

Impacts resulting from exploration can be widespread or confined, direct or indirect. An essential part during the exploration phase is to plant twenty nine times the number of trees destroyed during the process. Our most basic instinct is to preserve as much as we can- therefore deploy techniques like Tree Transplanter which help in transplanting trees of girth ≤ 6 Inches to another location.

Closure

We complete progressive closure activities at our operations well before the end of mining and processing. Trees, local to the region are planted on the reclaimed land. Further, Geo-Green Erosion Control Blanketing is done, that acts as a protective shield, preventing action of rain beat and surface run off.

Performance at PEKB

Our PEKB mine has aligned its existing Bio-diversity Management Plan to the Sustainable mining manual, including compliance with the requirement to prepare and update their Bio-diversity Action Plans on an annual basis. We started the reclamation of the void created after mining from the second year of operation of the mine, which is one of the fastest in the country. We have successfully achieved physical reclamation of 37.93 Ha of land and biological reclamation of 56.08Ha of land. Accordingly, we have an integrated model of ecological restoration- Extensive plantation of trees is supported by an in-house nursery that develop 140189 saplings FY' 2018-19 and treated mine seepage water.



Total land disturbed	183.94 Ha
Total amount of land newly rehabilitated within the reporting period	94.01 Ha

Cumulatively, till date about 3.52 Lakh plants of different native species (more than 80% survival rate) have been planted over reclaimed land & infrastructure area including Sal, Shisham, Shishoo, Teak, Neem etc. Additionally, about 7893 trees have been transplanted till March 2019 with the survival rate of more than 80%.



Waste Management

Mining operations generate waste that can be in the form of waste rock or waste soil. If not managed properly, this waste can negatively impact the environment and human health in neighbouring communities. Management of overburden is our top priority. We do this through a formalized system of waste management. Our operations generate small quantities of hazardous and non-hazardous materials, which require recycling or disposal at the end of their lifecycle.

In FY 19, 9.27 MMT of waste was generated by PEKB Mining operations, of which more than 99%, was classified as non-hazardous waste. Hazardous waste generated at our operational sites is generally transported off-site, within country, for treatment and re-use or disposal.



Non-Hazardous Waste

Type of Waste	Waste Disposed	Disposal Method
Overburden	3,28,10,000 m ³	Landfilling at designated location within Mining Lease area
Washery Reject	30,20,471 MT	28,05,000

Hazardous Waste

Type of Waste	Disposal Method	Quantity
Spent Oil	Sold to third party	21 KL
Used Batteries	approved recyclers	7.48 MT

Creating Co-benefits for the People



Our Employees



We value the exceptional qualities and diverse perspectives of our employees and strive to promote the inclusion of thought, skill, knowledge and culture across our operations.

In the mining industry, it is challenging to achieve a skilled, stable, and diverse workforce due to remoteness of operations, local demographics, and competition for talent. Our operations and projects are located in remote districts of India, in areas with different cultures, languages. To be competitive and provide value to our stakeholders, we need to attract and retain talent. That is why we offer our people long-term, quality employment with competitive compensation and opportunities for professional development. We are committed to building a diverse organization, representative of the communities in which we operate, and an inclusive environment, where all are treated fairly and respectfully, have equal access to resources and opportunities, and can contribute to the success of the organization.

In managing our human resources programs, we focus on the following key principles:

- Creating long-term, stable employment
- Providing competitive compensation
- Providing quality benefits
- Providing opportunities for training and professional development

We believe by applying these principles, we can effectively execute our strategy and meet our business objectives.



Performance

We invest in our workforce, offering meaningful employment and attractive compensation. We recognize that we must develop competitive compensation and benefits programs to attract and retain skilled and motivated employees. We regularly benchmark compensation to ensure we are paying in line with market trends.

In setting our compensation packages, we also consider the standard of living and quality of life of our people. We want to ensure our employees to maintain a decent standard of living and quality of life within the community. The actual amount varies by location, and is as per the legal minimum wage in each location.

Being a lean, decentralized company and utilizing contract workers for site level operations means we can better maintain our workforce during peak times or downturns. We focus on building a culture of openness and respect, and shared values around safety, and performance. We believe that these shared values and common commitment to the objectives of the Company are responsible for the low turnover rate.

Employment	Male	Female	Total
Permanent	380	15	395
Contractual	496	0	496

During the reporting period, we revamped our HR policies in line with the feedback we received from our employees. This is in best interest of both Company and Employees. A lot of focus has been given to HR Transformation activities to revamp the HR organisation structure and processes. The new human resource management systems and processes are designed to enhance organisational effectiveness and employee alignment. The result is that the Company is able to work towards creating leadership in all the businesses that it operates. During the year, several initiatives, such as performance management systems, Learning & Development system, and Talent Management system were put in place to efficient & effective organisation.

As on March 31, 2019, our Human capital consists of 891 employees (876 male and 15 female).

The Performance management system is a medium that enables employees to align their goals with organizational goals. It identifies the strength and areas of improvement of an individual enabling them to perform better. All employees on pay-roll have undergone the annual performance appraisal.

Training & Development

Employee Learning & Development is crucial for organizational success and this is an integral part of whole organization wide Human Resources Strategy. The organisation has clearly defined Training & Development Policy – which cut across the organisational Vision & Mission and Values. The entire employees irrespective of their grade and status have been provided with opportunity to hone their skills & competencies. A special attention was given to conduct a well-structured Assessment & Development Centres across all categories of employees and through which a detailed Individual Development Plans (IDPs) were prepared. With this outcome the employees we retrained reinforcing – Job related Skills; Competencies Leadership and management training is also a key component of our people development strategy.

At the corporate level, our Leadership Development Program focuses on the personal and professional development of current and future leaders. At each site, our training programs provide the needed skills and development opportunities to meet our current and future needs at the operation.

Performance

SAMAVESH- Induction program for New Joinees: The training is a perfect blend of on the job learning and classroom learning across its different phases. It focuses on imbibing Adani Group vision, values and culture in them and help steer the organization effortlessly ahead to achieve its vision, thus contributing to nation building.

Functional/Skill based Trainings for Mid-level Employees: Mid-level management is the most-critical group of employees where programs related to skill upgradation and career progression find its place. We have multiple opportunities for employees to upgrade their skills- self-paced Executive engagement on broad management & soft skills, technical trainings based on function requirements and long-duration executive education programs.



Strategic Orientation Training was for managerial level employees to identify emerging opportunities for business growth; take calculated risk to achieve the larger business objective; think ahead to spot or create opportunities and deliver against such opportunities. This competency ensures a long-term view of the critical goals for Adani, the risks associated along with the potential opportunities linked to the goals.

To create a work life balance, the Human Resource department at each location organises several programs and events during the year. For instance, colleagues from PEKB went on a picnic at Bank of Rind river, near Udaypur, Surguja where in they along with family members enjoyed music, games followed by breakfast & lunch. Many religious festivals like Ganesh Chaturthi and Vishwakarma Puja were celebrated with lots of fervour. Celebrations like these bring a sense of togetherness and bonding among everyone.

Abki Baar Aapka Adani Pariwar Celebrations: Our colleagues along with their family members visited Adani House to celebrate the journey of growth, prosperity and happiness. Employees and their families look forward to events like these. Initiatives like these boost staff morale and blend family life with work.



Community Relations



Understanding and addressing the stakes of communities where we operate is captious to maintaining a sustainable business. We engage with local members of the society through a variety of communication channels — containing open houses, community discussions and individual meetings — to furnish opportunities for dialogue with immersed stakeholders. Adani creates a grievance reporting system that provides opportunities for local citizens and communities to raise complaints.

Mining sector has a strong dependence on the communities and the environment where it operates, it can generate significant social benefits including employment, diversification of local economies and building of infrastructure. At the same time, it can contribute to negative social impacts like increased pressure on local infrastructure and stress the natural resources. These may lead to friction between the company and the community and result in delays in projects, operational disruption and in turn increasing the project cost.

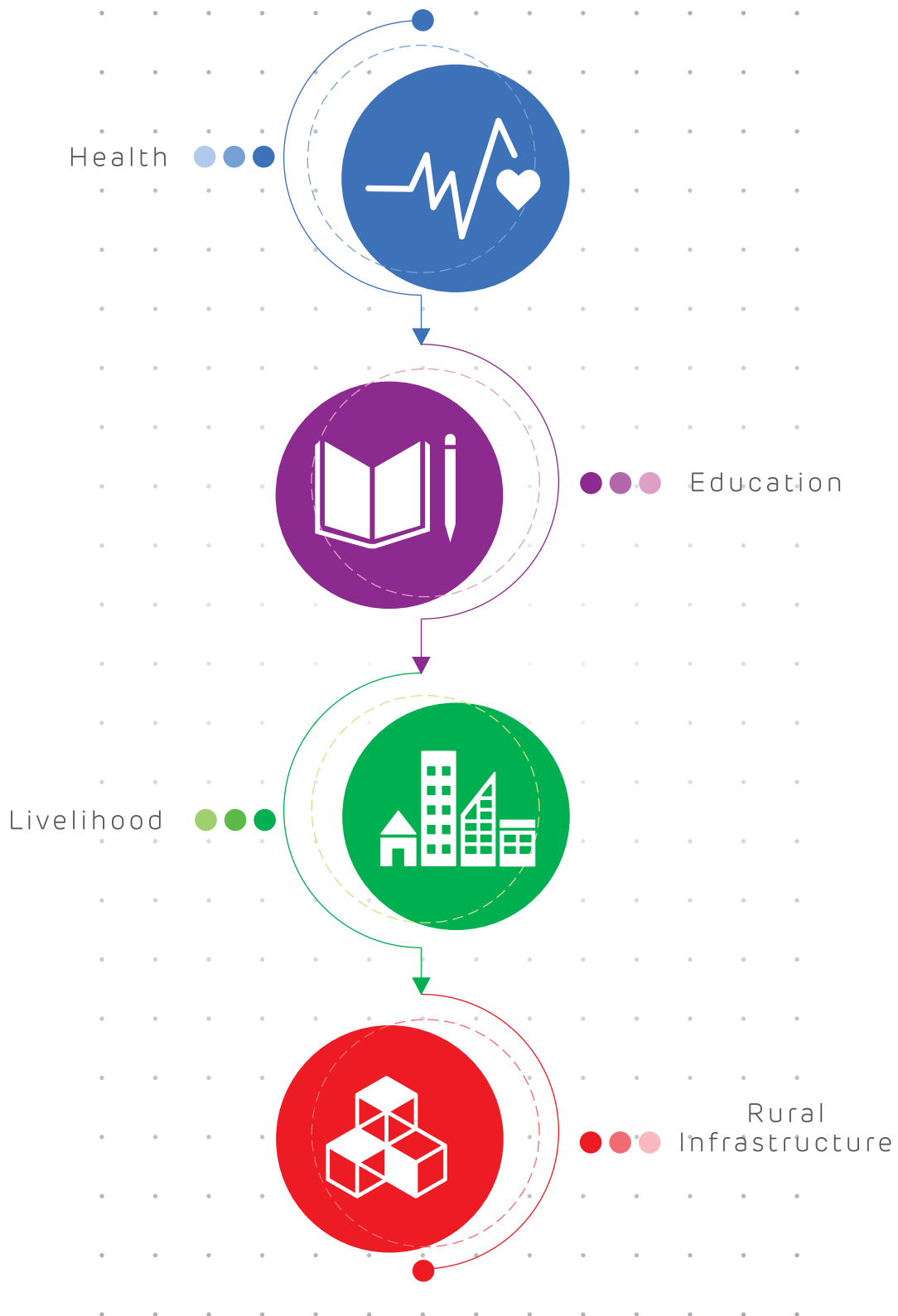
At Adani we understand that forging strong relationship with the community and continuously engaging with them will help in mitigating negative impacts and maintain social licence to operate. Operational success thus depends on understanding and proactively managing the negative impacts. AEL- Mining Business is committed to providing sustainable shared benefits to local communities near our operations, working alongside governments, NGOs and local businesses to support meaningful outcomes. We recognize that social investment – including community investment, community development and capacity building – is an important benefit that mining operations can provide in partnership with other local, regional and national organizations.

The Corporate Social Responsibility (CSR) policy at Adani Mines is characterised by its philosophy of driving social innovation and sustained economic growth of the local communities. Each site is expected to identify community priorities in alignment with the Adani Foundation prerogatives as well as other broad social challenges that create mutual benefit.

Under the policy, the team working on-site prepare an annual action plan and budgets for all programs and investments. Many of the interventions are implemented over the course of few years, the results only being demonstrable over medium and long term. While most of our social initiatives are targeted towards the persons directly affected by the mining operations, the social challenges faced by others are not discounted. The foundation works with an objective of invigorating a social change and fostering growth and well-being of the community around the company's operations.

Adani Foundation

The Adani Foundation is an Indian non-profit organization principally supported through contributions from the Adani Group of Companies. The Foundation works in partnership with its corporate partners, host governments and local communities to improve the management of, and benefit streams from, natural resource development projects. The Foundation's activities are focused on four strategic pillars:



Adani's site teams magnify the impact of investments by leveraging Foundation subject matter expertise. The teams have a shared approach to stakeholder engagement- Foundation projects are a platform for engaging with new stakeholders, such as land-owners who may become part of our supply chain.

Highlights of FY 19

In FY 19, The Company and the Adani Foundation deepened their partnership with communities in the operating regions. The CSR activities focused on two aspects: 1) economic diversification of the women Cooperative, providing small business support leading to empowerment and 2) Capacity Development including education support of children, new skill training for youth and skill enhancement for local entrepreneurs.

Partnering for change with the Foundation, AEL- Mining Business at Parsa developed a women empowerment program for women belonging to marginalized backgrounds. The program that is aimed at bringing women on a common platform to voice their aspirations is expected to break the existing shackles of patriarchy. 25 small units of change- which we commonly refer to as Self-help Groups(SHGs) federate to make a Women Cooperative- Mahila Udyami Bahuddeshiy Sahakari Samiti (Maryadit). Continuous mentoring and financial support has enabled this federation to incubate six business models, all of which are profitable. The models have been conceptualized in context of the local sustainability challenges and in way support the development of the local economy. For instance, the water treatment plant initiated with initial funding from Adani, successfully meets the local demand for safe, potable drinking water. This initiative while generating financial returns for the federation and the women involved in the projects, reduces the everyday drudgery faced by women for fetching water from long distance. Another enterprise run by women, provides nutritious food to 500 children studying at Adani Vidya Mandir.

The Federation has taken a unique initiative of providing a safe and effective logistics solution for shuttling students between home and school. The initiative can go a long way in improving attendance record of students at Adani Vidya Mandir as reliable transportation can reduce the commuting time and difficulties faced due to bad weather. The eight seater van hired by the federation will generate additional income and contribute to social development, leading to the empowerment of women. The cooperative's laudable achievement of bringing savings and contributions from its 250 members to develop a business model will serve the dual purpose of sustainability and ensuring safe and effective mode of travel for students, employees and their own business needs. The entrepreneurial zeal and self-employment of the cooperative is improving the lives of their families and the safety of the children.



In FY 19, community investments across our operations included funding for projects in the areas of economic diversification, skill training, education, sports and recreation, health services (access to high-quality medication), women.

Adani Vidya Mandir

The children from tribal communities have one of the lowest enrolments and retention rates due to barriers of accessibility, affordability and availability. 'Adani Vidya Mandir' is a flagship initiative of Adani Foundation, where children are given free education. Parsa is a relatively remote region in Surguja district of Chhattisgarh, dominated by indigenous people. Government schools though operational are in a highly dismal state. State of the art infrastructure- Adani Vidya Mandir is a CBSE affiliated school enable children of Project Affected Families to receive quality education free of cost including transportation, school uniforms, text books, breakfast, lunch. 720 students from 12 villages annually attend the Adani Vidya Mandir' school, who will eventually end up in global skill pool, boosting the local, national or global economy.

Sankalp initiative was developed with an aim to support local students in preparing for the competitive examination. These classes are promoted for students in class X and XII who are ready to face the competitive world.

Annapurna project envisages a world where farmers are equally respected, and agriculture becomes a profitable business. With this aim, farmers at PEKB were engaged in meaningful training programs furthering the benefits of using sustainable agriculture practices and latest techniques. Farmer co-operative was formed so that farmers can benefit from economies of scale by lowering their input cost. These initiatives are need-based, participatory in nature and vary from location to location, though the core strategy of productive agriculture remains the same.



Adani Skill Development Centre (ASDC)

Under project Saksham, an initiative of the Adani Skill Development Centre (ASDC), the foundation contributes to the long-term economic development of India by creating and retaining jobs by supporting growth outside of the mining industry. The Foundation provides skill-based training programmes on marketable skills- Tailoring, hospitality, Mining, Fitter & electrical assembly. Organized placements are arranged with reputed industries. Youth, have been gainfully employed after the training, fetching them on an average of Rs. 8,000. In addition, as per our programme specific strategic document accounts for risks related to youth dropping from the training. An additional financial support for students to adjust to the new work environment is ensured.



Mobile Health Care Unit (MHCU)

Tribal communities in the area are socially and economically disadvantaged and thus have an improper health seeking behaviour leading to various morbidities and malnutrition. To combat the problem foundation intervened in the area in order to provide the quality health facilities which can be easily accessed by the community. 7 Mobile Health Care Units (MHCUs) were deployed in the remote rural areas so that people do not have to travel far to access basic health care facilities thus, also encouraging the health seeking behaviour among the tribal community. Approximately 3,20,000 people take advantage of the MCHU facility annually. MCHU has a complete set of listed medicines. Its team includes a doctor, pharmacist, social protection officer and driver. The project helps in creating awareness about various critical diseases such as HIV/AIDS; Breast cancer, heart attack; Lifestyle diseases such as Blood pressure; diabetes; TB; malaria; dengue; Typhoid; Thyroid. Expectant and lactating mothers are educated on the importance of mother's milk; Immunisation; basic health care and sanitation; Vitamin A etc.

These facilities include diagnostics, medicines, free of cost consultation and referrals by certified doctors. As a result, patients save money on consultation fees, medicines and travel costs. This also reduces the possibility of absenteeism from work and loss of employment due to illness. Malnutrition and Anaemia are intergenerational in nature and prevent our society from achieving its true potential in many spheres.



SuPoshan

Undernutrition in infants, pregnant women and young children leads to stunting of growth, increases the chances of mortality and morbidity impairs the cognitive development etc. The Adani Foundation's SuPoshan Project strives to address these issues with a life-cycle approach that includes community-based management. There is a fine balance between the curative and preventive aspects of SuPoshan's strategy for reducing the occurrence of malnutrition and anaemia.

To combat malnutrition Adani trained women from the community who are called 'SuPoshan Sanginis', on taking anthropometric measurement, identification of Severely Acute Malnourishment (SAM) and Moderate Acute Malnutrition (MAM) using anthropometric measurements of 'Mid Upper Arm Circumference tapes play a pivotal role in the project.

The project focuses on behavioural change communication with pregnant women, lactating mothers, children 0-5 years of age, and adolescent girls as well as all women in the reproductive age group for promoting healthy food habits as preventive actions for anaemia. Mothers and would be mothers along with their family's decision-makers were guided through 10 proven points for curbing malnutrition with a specific focus on initiation of breastfeeding soon after birth and timely introduction of supplementary feeding after six months in addition to breastfeeding.



Sanjeevani – W

Project Sanjeevani-W has been implemented as an integrated health programme to address the health situation in the villages in Surguja district. The project strives to provide a platform where the community people can debate on health issues in the community and bring ideas of health, hygiene, sanitation and safe motherhood into focus. The objective is to increase the role of rural women in creating an accessible, gender-just health service within the village.



Nation Building through Sports

Sport has Influence on economy and the development of social relationships. It is one theme that binds people of diversity into a common thread- building relationships and character alongside fun. We realize that, though investments in sports, we can boost economy as well as pave way for India to bring home accolades. After years of interacting with communities, we realize that people have talent and need support to nurture this talent. This is one way of many ways, that we can solve the problem of poverty in a country such as India.

Sports kits comprising of football, volley ball, cricket, carom board, rope and disc throw etc. were distributed to more than 50 youth groups & clubs. Kabaddi Tournament for Men and Women was organized at Tamnar block in Raigarh. During the three-day event, over 320 men and women participants from 18 different villages and showcased their talent with an average of 6,000 spectators.

Adani T-10 Cricket Premier League 2019 was held at Dholnara village, Raigarh district. This year, the villagers had formed a "Cricket Organizing Committee" and taken the responsibility of running the tournament. All the teams had received cricket kits, uniforms, shoes and all other facilities from Adani Foundation.





Local Development

A successful local development program requires a long-term perspective with clearly defined and consistently applied management processes. Our approach focuses on three key areas:

- Employing and training a local workforce,
- Supporting and preferring local suppliers and
- Improving small businesses of community members through local community investments.

We take locally hired individuals with opportunities to evolve technical and leadership skills that will benefit them throughout their careers with Adani mines and with future employers. Local hiring ensures that our workforce stays culturally diverse and representative of the countries where we operate.



A case study on the Carmichael Mine



Adani Mining is committed to helping local regional communities thrive through employment and economic growth, while guided by strict environmental regulatory standards and practices. Located more than 300km west of Australia's Queensland Coast, the Carmichael Project is an integrated Mine and Rail infrastructure project ideally positioned to maximise the opportunities of the Galilee Basin – a thermal coal reserve ready to be developed.

Carmichael coal will be exported to assist countries with strong emerging economies to provide reliable base load power for its growing population, while progressing on the journey of increasing renewable energy sources.

After eight years of rigorous and detailed planning, the Carmichael Project has been subject to more scrutiny than any other mining project in the history of Australia. Adani Mining has successfully overcome nine legal reviews on the Carmichael Project, in large part due to the extensive planning and high quality expertise that has been dedicated to the design process. At every turn, consideration has been given to the social, environmental and economic impact that will be afforded with the project's delivery, both in Australia and in emerging international economies. During 2018-19 Adani Mining has finalised its environmental management planning for the Carmichael Project and strengthened its relationships and connections within the local communities that are home to the mine's neighbours, future employees, suppliers and caretakers.



Adani Mining has secured the necessary final approvals and construction of the project has now commenced with mining activities to shortly follow. With initial mine production of 10 million tonnes of thermal coal per year, combined with a 200km rail line to connect the mine to the Port of Abbot Point, communities like Townsville, Rockhampton, Mackay, Bowen and the Isaac region are ideally positioned for employment and contract opportunities for local workers and businesses. Adani Mining is committed to delivering the Carmichael Project by:

- Providing thousands of jobs for Australians in regional Queensland.
- Operating safely, responsibly and in a sustainable manner.
- Injecting billions of dollars in royalties into the local economy.
- Playing its part in creating affordable energy for those in the world who need it the most.
- Delivering shareholder value and benefits to the communities in which we operate.



The Carmichael Project over time

- 2010 – Environmental impact assessment process commenced for the mine
- 2011-2015 – Exploration of the Carmichael mine site
- 2012 – Environmental impact assessment process commenced for the rail
- 2014 – Approval from the Queensland Government on both the mine and rail Environmental Impact Assessments
- 2015 – Approval from the Australian Government on both the mine and rail Environmental Impact Assessments
- 2016 – Environmental Authority granted by the Queensland Government for the mine
- 2016 – Mining lease granted by the Queensland Government
- 2016 – Queensland planning approvals obtained for the rail
- 2017 – Associated Water Licence granted by the Queensland Government
- 2018 – Adani announced the Carmichael mine and rail project will be 100 per cent financed by the Adani Group resources.
- 2019 – Final environmental management plans approved by Australian and Queensland Governments. Construction on the Carmichael Project commenced.

Respecting those who came before us

The Carmichael Mine and Rail Project traverses the traditional lands of four indigenous groups, who have presided over the land for thousands of years. Since the outset of the Carmichael Project in 2010, Adani Mining has been dedicated to working in partnership with these Traditional Owners who are the Wangan and Jagalingou People, the Jangga People, the Birrah People and the Juru People.

From the earliest engagement that Adani Mining had with the Traditional Owners, it was clear that employment and training opportunities for indigenous people was a key concern for their communities. The importance of creating jobs and careers for generations of local indigenous people, while also respecting and protecting areas of cultural heritage and significance, has shaped the foundation of the formal agreements between the Traditional Owners and Adani Mining.

Indigenous Land Use Agreements and Cultural Heritage Management Plans are in place with all four Traditional Owner groups to ensure they benefit from the delivery of the Carmichael Project. Through the Indigenous Participation Plan Adani Mining will ensure that Traditional Owners and the broader Indigenous community are well positioned to benefit significantly from the Project, either through jobs or contracting.

The plan comprises the following commitments:

- A minimum \$7.5 million spend on Indigenous education bursaries and pre-employment programs
- A minimum 10% Indigenous traineeships
- A minimum 7.5% Indigenous employment target
- A minimum spend of \$250 million in Indigenous contracting and business development.

Adani Mining meets regularly with Traditional Owners and indigenous communities to discuss upcoming job opportunities and supplier contracts. To date, Adani Mining has entered into several contracts with companies run by indigenous people, and these companies will provide services directly to the Project. One example is Woongal Environmental Services. It is a Wangan and Jagalingou certified business that employs Wangan and Jagalingou people and will deliver Adani Mining environmental monitoring services. Adani Mining provide training for a number of their employees in environmental monitoring, which include formal qualifications and certifications that can be used across other businesses and industries as well.



Protecting the Environment

With construction underway on the Carmichael Project, the key priority is ensuring all operational activities are conducted safely and in line with the project's environmental management plans and approvals.



In order to gain its Environmental Approvals to construct and operate the Carmichael mine and to deliver the rail project, Adani Mining delivered extensive environmental impact assessments. The assessments detailed and quantified the effect of the project on the environment, while also assessing the social and economic benefits of the project.

Numerous scientists, engineers, ecologists, economists, community members, industry stakeholders and more contributed to the delivery of these assessments. After a rigorous five year process, where every aspect of the Carmichael Project was put through intense scrutiny to ensure its reliability, the Project received approvals from both the Queensland and Australian Governments. With the approvals came more than 270 of the most stringent environmental conditions any mining project in Australia has ever seen, related to protecting local waterways, flora and fauna.

An example of this dedication to protecting local species is the management plan that has been developed by ecological experts to protect the endangered black-throated finch, which has been found in the area of the Carmichael mining lease. The Black-Throated Finch Management Plan details a range of actions to protect the finch, including fencing, pest animal control, weed control, fire management, grazing management strategies and new water source locations.

A conservation area more than 33,000 hectares in size is set aside to preserve the habitat of the finch.

At more than 33,000 hectares in size, the conservation area will be almost twice the size of Washington DC and one of the largest privately managed conservation areas in Queensland, Australia. It will also be 126 times the size of the mine area when it's operating at 10 million tonnes per annum. Water management onsite is also of the highest importance, with water security being a key concern for Australian communities that often face times of drought. Groundwater management plans have been developed which detail the meticulous plans and stringent requirements for groundwater management onsite.

These plans have been reviewed by Australia's most preeminent scientific organisations, CSIRO and Geo Science Australia, and also approved by both the Australian and Queensland Governments.

The groundwater management plans detail how local ecosystems will be monitored and protected, including the provision for more than 100 monitoring bores to observe underground water levels. Agreements are also in place between Adani Mining and local landholders who share the same groundwater, to ensure that if their groundwater use is affected, they will be compensated either financially or through alternative water provision.

The Carmichael mine's water management plan is strictly regulated under a framework of approvals that are backed by six years of scientific assessments.

Fast Facts on Water Management

- The mine will use water for washing coal, general use in offices and workshops, and safety dust suppression measures.
- The mine will use groundwater from in and around the mine to ensure safe mining. This will come from local aquifers connected to the coal seams, not the Great Artesian Basin.
- The mine will also use rainwater, recycled water, and flood water from the Suttor River but only after farmers have taken their share and it's flowing at a rate of 2,592ML per day. Adani Mining must pay for use of this water upfront.
- Adani will only take the water required to support the mine at each stage of production. In its initial phase the Carmichael mine will produce approximately 10 million tonnes per year, and we will only take the water required to operate the mine at this production rate.
- The mine will not take water from the Great Artesian Basin because the two are separated by an underground 300m thick layer of claystone called the Rewan Formation, which acts as a natural impervious layer.
- The mine cannot take water from the Suttor River when it is in drought.
- The mine will have more than 100 monitoring bores to observe underground water level and quality.
- A levee wall and 500m buffer zone either side of the river will separate the mine from the Carmichael River to protect the riverine environment.



Supporting local communities

Without the support of the local communities that are the mine and rail's neighbours, employees, suppliers and caretakers, it would be impossible to deliver the Carmichael Project. The work and unwavering support already provided by local regional communities to deliver the Carmichael Project is vast and a testament to constantly improving their own communities.

Ensuring these communities are appreciated and supported in return is key to Adani Mining maintaining its social licence within the regions. Becoming an embedded and reliable constant that is woven into the cultural fabric of these communities has been an eight year journey. From establishing its regional headquarters in Townsville, to celebrating community festivals, conducting regular briefings with community members, and even helping communities recover after floods and extreme weather, Adani Mining is determined to give back to the communities where we operate. Driving its positive contributions are social impact management strategies that will provide mutual benefits to both the communities and the Carmichael Project. The strategies have been developed across five key areas including:



- | | |
|----|--------------------------------------|
| 01 | Community and Stakeholder Engagement |
| 02 | Housing and Accommodation |
| 03 | Workforce Management |
| 04 | Local Business and Industry Content |
| 05 | Health and Community Wellbeing |

The purpose of the social impact management strategies is to identify the actions Adani Mining and its contractors will take to enhance social opportunities. The strategies are adaptive and will continue to evolve through annual monitoring and reporting and in consultation with government, community and key stakeholders.

This past financial year has seen Adani Mining proudly deliver more than \$500,000 in sponsorship and community partnerships with regional Queensland community groups and organisations. Adani Mining has partnered with more than 30 community groups and organisations right across regional Queensland including, Charters Towers, the Burdekin, the Isaac region, Rockhampton, Townsville, Mackay, the Whitsundays and more.

In April Adani partnered with Rockhampton Basketball, encouraging more children into the sport and ultimately to lead healthy lifestyles. The new grassroots development programs for children, along with the ability to attract new talent for the top tier competition has provided renewed energy for the sport in Rockhampton, with the partnership also experiencing wide ranging support from local community members to the Mayor of Rockhampton.

Strengthening local economies

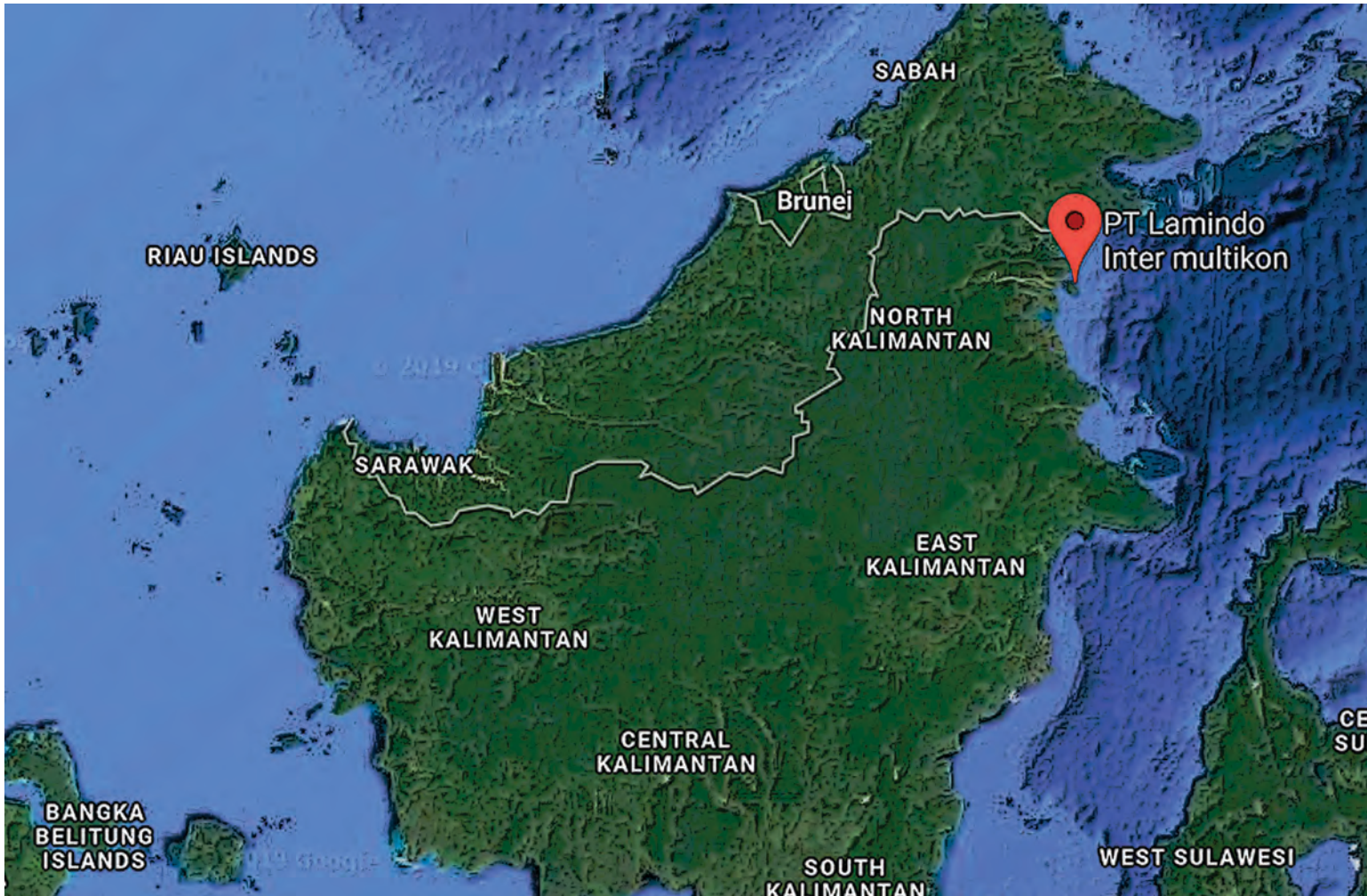
The mining industry is known across Australia, and especially Queensland, for being the backbone of regional communities, providing high-paying employment and training opportunities, improved infrastructure and community contributions.

Adani Mining has been welcomed by regional Queensland communities due to the jobs and contracts the Carmichael Project will provide for generations. Rockhampton and Townsville will be the primary employment hubs for the operation of the Carmichael Project. Contractors for the Carmichael Project will largely come from across regional Queensland as well, from places like the Isaac region, Mackay, the Whitsundays and Gladstone as well as Townsville and Rockhampton.

Adani has invested more than \$3.7 billion in Australia since 2010, the largest investment of any Indian company in Australia. This demonstrates Adani's commitment to Australian communities, especially in Queensland, while also recognising the global trade potential of strengthening the relationship between the two nations. During the construction and ramp-up of the Carmichael Project at 10 million tonnes of coal produced per year, there will be 1,500 jobs for people directly working on the mine and rail, and an additional 6,750 jobs in supporting industries. Approximately 8,250 jobs are expected in this first phase of the project. Critically, all these jobs are all new jobs that didn't exist before, many of which will go to regional Queensland communities like Rockhampton, Townsville, Mackay and the Isaac region. The other thing to note is that these new jobs are not coming at the expense of jobs elsewhere in Australia as Adani Mining will be selling into new markets for Australian coal.

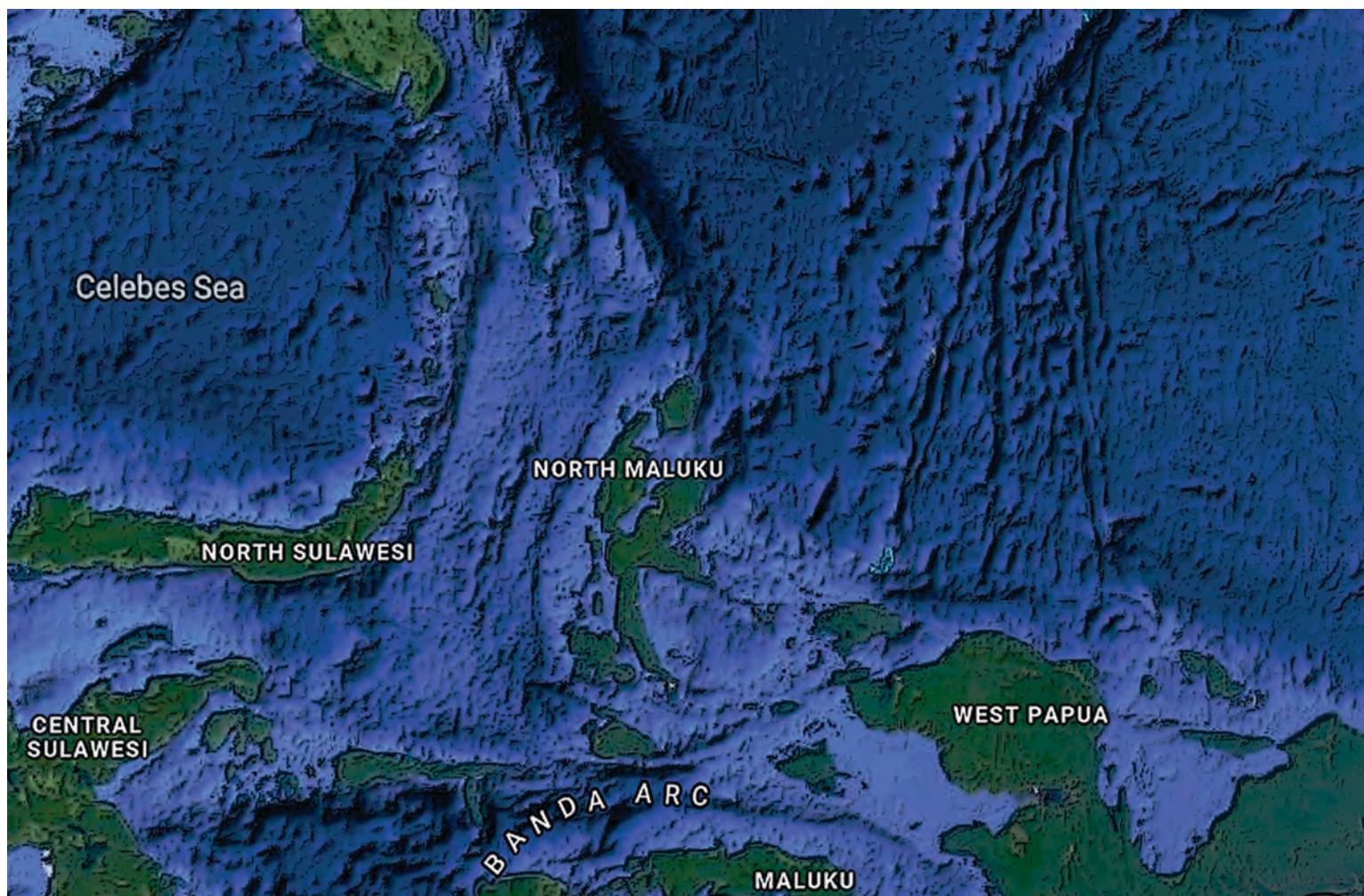


Bunyu Mine



Bunyu mining was started way back in year 2007 after getting exploitation licenses from Indonesian Govt. for two no. of coal concessions Lamindo Inter Multikon (LIM) and Mitra Niaga Mulia (MNM) located at south-eastern part of Bunyu island of North Kalimantan province in Indonesia. The total area is 2,607 Hectare with estimated coal resource of 269 Mn MT. The mining commenced at LIM during late 2007 and at MNM during late 2012 and the cumulative ROM production till end of FY'18-19 has been 38.03 million MT.

Mining operation at Bunyu can be described as "multi-seam, shallow dipping, open cut coal mining in a haulback configuration". The company has established coal crushing and conveying facility of more than 4 km in length. It is equipped with a state of art Jetty with average loading rate of 2000 MT per hour. The company also owns a floating crane 'Surya Karya Pratama (SPK)' with average loading capacity of 30,000 MT per day. Run of Mine is first crushed then conveyed to Jetty to load into barges which carry it to the mother vessel at 8-10 Nautical Miles away into the sea where the coal is transferred from barges to vessel by the floating crane.



Today, Adani Bunyu mine has become the largest producer and the largest exporter of 3000 Kcal coal in Indonesia. Its products are listed under HBA as LIM 3010 and LIM 3000. Shipment is mostly bound to thermal power plants in India.

Sl. No.	Year	FY'15-16	FY'16-17	FY'17-18	FY'18-19
01	OB Removal (MBCM)	12.94	9.88	10.10	12.12
02	ROM Production (MMT)	5.01	3.90	4.00	4.93
03	Shipment	5.13	4.38	3.32	4.72

Strategy and Approach to Sustainable Development

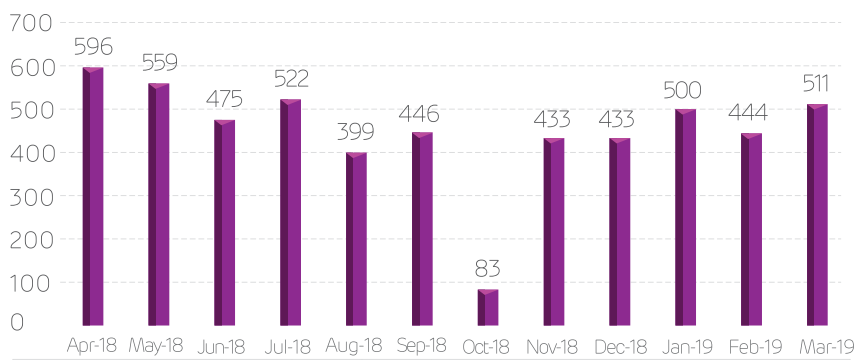
Sustainable development at Bunyu Mine is derived through the group vision "To be a world class leader in businesses that enrich lives and contribute to nations in building infrastructure through sustainable value creation". Social, Economic and Environmental enrichment of community always remains in the forefront of business processes at the company. Employment generation for the local community and improving their standard of living through enhancement of facilities for Health, Education, Livelihood, and Cultural development has been the key focus areas since beginning of the project. The company has direct employment to more than 550 persons on the company payroll and more than 700 persons on contractual payroll with more than 90% persons coming from Bunyu.



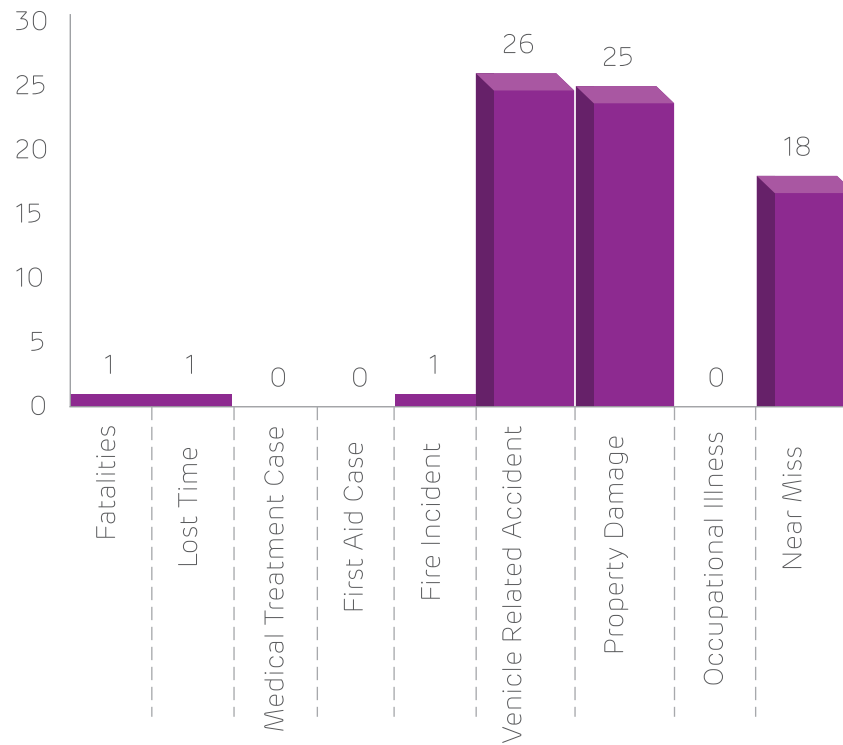
Health and Safety

The company is committed to ensure health and safety of employees working at mine site. A dedicated HSE department has been responsible for taking various health and safety initiatives throughout the year. In total 5401 safety tool box talks with participation from company and contractual employees were organized during FY'18-19. The IMS (International Management System) audit was conducted by PT. Bureau Veritas and processes for maintaining Health, Safety, Environment and Quality was acknowledged to be of international standards.

Month-wise No. of Safety Tool Box Talks



Unsafe Incidents (FY'18-19)

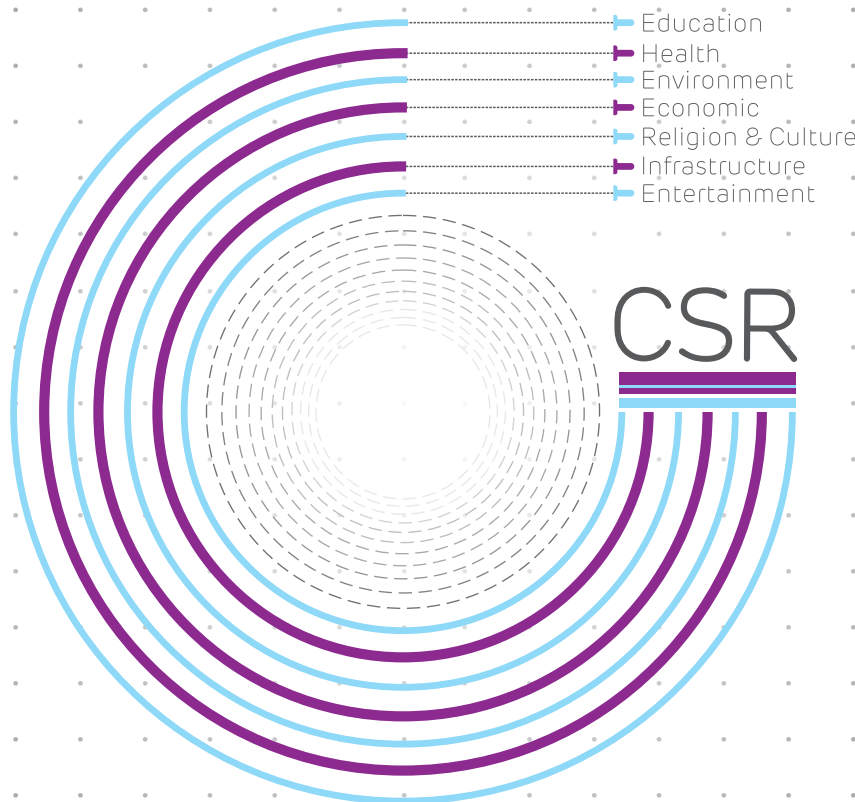


The company has taken serious cognizance of the occurrence of one fatal incident during the year. The standard operating procedures were reviewed and refresher training programs were conducted to prevent reoccurrence of such incidents. Stress has been given on improving road and fire safety.



Corporate Social Responsibility

Community engagement and their empowerment has been integral to the business processes of Adani group and CSR wing at Bunyu mine has taken the endeavor with utmost importance. The company has categorized its CSR initiatives into 7 buckets –



Education

Helping the community to get proper education has been one of the key goals of the company. Since beginning of the mining project, it has taken up various initiatives to provide educational support to the local community and the same were continued in FY'18-19. The continuous nature of programs like distribution of text books in the schools, providing school bus facility for the children, mobile library, scholarship programs for higher education etc. have given significant impetus to the educational need of people in the nearby villages and now more students have started coming forward for higher education.



Recipient of Scholarship

The company's initiative to create a vocational training center for apprentice students has been quite appreciated by the local government authorities. In FY'18-19, total 60 students were training in the workshop.

Health

"Healthy village" has been one of the key motto of the company community development programs. The health programs like Baby Milk Distribution to reduce malnutrition; Ambulance services for the community; organizing regular medical camps in the villages; ensuring access to drinking water for all; dust suppression in villages through periodic water sprinkling on roads etc. were continued in FY'18-19 also. However stress remained on creating health awareness amongst the community. Various health & yoga camps were organized throughout the year in coordination with public health center at Bunyu.



Dust Suppression in Villages



Healthy Village program



Religion and Culture

The company has been actively supporting the religious and cultural celebration amongst the local community. Breaking fast with community religious leaders, celebration of Independence Day carnival, construction of mosque at mine site etc. have been the key initiatives.



Ramadhan Celebration with local community

Independence Day Celebration

Infrastructure

The company has taken up various infrastructure projects proposed by the local community such as repair of roads, renovation of community centers, construction of toilets in schools, parking stand etc. In FY'18-19, company has taken up approximately 20 no. of such projects. The company had earlier built a water reservoir along with water treatment unit, which was handed over to the local government in order to improve the water availability for the community.



Concreting of village road

Water treatment plant

Entertainment

Increasing the social bonding amongst the community members has been one of the key goal of the company's community development program. Throughout the year company organized various family get together and sports activity as part of CSR program.



Family Get Together

Football Match

Environment Management

Mining operation inherently brings a lot of changes to the natural landscape and biodiversity of the area. Hence adoption of standard environment management processes becomes vital for its sustainability. 'Green Mining' has been motto of Adani group and the same philosophy has been adopted by Bunyu mining team. The company has established a series of environmental indicators for regular monitoring of air, water and soil quality.

The company has given significant focus of land reclamation activities which consist of recontouring, spreading of top soil followed by plantation of grass and saplings.

	2008-16	2017	2018
Recontouring (in Ha)	147.25	43.75	47.26
Spreading Top Soil (in Ha)	22.09	28.44	33.08
Cover Cropping (in Ha)	2.65	1.42	1.05
Revegetation (in Ha)	5.62	8.53	15.85



Recontouring



Revegetation



Awards & Recognitions

Sl. No.	Name Of Award	Category	Name Of Awarding Organization
01	Greentech Safety Platinum Award 2018	Safety Award	Greentech Foundation
02	Greentech HR award 2018	HR Award	Greentech Foundation
03	Greentech Environment Platinum Award 2018	Environment Award	Greentech Foundation
04	Award for Communication Initiatives For Social Responsibility Communication Category	Social Award	Association of Business Communicators of India
05	Greentech Award for Environment Management @PEKB	Environment Award	Greentech Foundation
06	Global CSR Award	CSR Award	Greentech Foundation
07	Greentech Safety Award ("Platinum" for Safety Management)	Safety Award	Greentech Foundation
08	HR Award ("Gold" for outstanding achievement in Innovation in Employees Retention Strategy)	HR Award	Greentech Foundation



Abbreviations

AEL	Adani Enterprises Limited
CSR	Corporate Social Responsibility
FMCG	Fast Moving Consumer Goods
GHG	Green House Gas
GIS	Geographic Information System
HEMM	Heavy Earth Moving Machines
IPCC	Inter-Governmental Panel on Climate Change
ICM	Integrated Coal Mangement in abbreviations
MDO	Mine Developers and Operators
MMT	Million Metric Ton
MMTPA	Million Metric Ton Per Annum
PEKB	Parsa East and Kanta Basan Coal Block
PTI	Parsa East and Kanta Basan Coal Block
ROM	Run-of-Mine
SEBI	Securities and Exchange Board of India
SEZ	Special Economic Zone

Conversion Factor

Parameter Conversion	Factor
Energy	
Emission Factor (tCO ₂ /MWh)	0.82
Conversion Factor (kWh to GJ)	0.0036
Diesel	
Net Calorific Value (TJ/Gg)	43
Density (kg/L)	0.8325
Conversion Factor (MT to kL)	1.21
Conversion Factor (L to GJ)	0.0358
CO ₂ Emission Factor (kg CO ₂ e/TJ)	74100
CH ₄ Emission Factor (kg CO ₂ e/TJ)	3
N ₂ O Emission Factor (kg CO ₂ e/TJ)	0.6
Global Warming Potential of Methane	28
Global Warming Potential of N ₂ O	265
Fugitive CH ₄ Emission Factor from Surface Mining, m ³ /tonne	1.2
Co ₂ Emission Factor from Trucks, g/Km	837.5
GHG Emission Factor from Rail Transport, kg CO ₂ /tonne Km	0.00996



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102-10	Significant Changes to the Organization and its Supply Chain	There has been no significant changes in the location of suppliers and structure of supply chain during the reporting year.
102-11	Precautionary Principle or Approach	17-18
102-12	External Initiatives	We do not subscribe to any external Initiatives
102-13	Membership of Associations	Annual Report, Page 100
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	103-3: Evaluation of the management approach"	29-30
305: Emissions 2016	305-1: Direct (Scope 1) GHG emissions	29-30
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304: Biodiversity 2016	304-1: Operational sites owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas	34-35
	304-4: Total number of IUCN Red List species and national conservation list species with habitats in areas affected by operations, by level of extinction risk	34-35
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401: Employment 2016	401-1: New employee hires and employee turnover	38-40
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103: Management Approach 2016	103-1: Explanation of the material topic and its boundaries	24-27
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403: Occupational Health & Safety 2016	403-2: Types of injury and rates of injury, occupational diseases, lost days, and absenteeism, and number of work-related fatalities	24-27
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404: Training and Education 2016	404-1: Average hours of training per year per employee	27, 38-40
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Assurance Statement

Independent Assurance Statement:

Introduction:

TÜV Rheinland India Private Ltd, member of TÜV Rheinland Group, Germany (TÜV, We) has been entrusted by the management of Adani Enterprises Limited-Mining Business (AEL, the Company), to conduct independent assurance of AEL 2018-19 Sustainability Report, (the Report) of its India and Bunyu Mines Indonesia. All contractual contents for this assurance engagement rest entirely within the responsibility of AEL. Our task was to give engagement rest entirely within the responsibility of AEL. Our task was to give a fair and adequate judgment on the AEL Report.

The intended users of this assurance statement are stakeholders having relevance to AEL overall sustainability performance and impacts of its business activities during 1st April 2018 ~ 31st March 2019. TÜV Rheinland is a global service provider of CSR & Sustainability Services in over 69 countries, having qualified professionals in the field of Corporate Sustainability Assurance, Environment, Social and Stakeholder Engagement. We have maintained complete impartiality and independence during the assurance engagement and were not involved in the preparation of report contents.

Assurance Standard:

The Independent Assurance was carried out in accordance with related standards such as Global Reporting Initiative (GRI) Standard (2016), AccountAbility, U.K Standard AA1000AS (2008) with 2018 addendum, AA1000AP (2018), AA1000 SES (2015), Principles of Inclusivity, Materiality & Responsiveness and TÜV Rheinland internal protocol on Assurance of Sustainability reporting/ disclosures.

Scope & Type of Assurance:

Our assurance engagement covers the following:

- AEL corporate sustainability performance and according disclosure on management approach (DMAs) covering 14 material aspects & 50 sustainability performance disclosures from category of economic, environment and social.
- Evaluation of disclosed information in the report as per the Assurance Standards.
- Type-1, Moderate as per AA 1000 AS (2008) with 2018 addendum.

Limitation: The assurance engagement was carried out at AEL Corporate office: 83 Adani House, Institutional Area, Sector-32, Gurugram, Haryana 122001, India. and discussion with concerned employees of its major sustainability functions. We have not observed any significant situations to limit our assurance activity. The verification is carried out based on the data and information provided by AEL, assuming they are complete and true. We did not verify the reported financial data as same is verified by another third party.

Assurance Methodology:

TÜV has challenged the report contents and assess the process undertaken by AEL from source to aggregate in disclosure of information/data related to their sustainability performance. Our judgment is based on the objective review of reported information as per criteria defined under Assurance standards.

Analytical methods and the performance of interviews as well as verification of data, done as random sampling, to verify and validate the correctness of reported data and contents in light of contractual agreement and the factual AEL sustainability strategy & framework as mentioned in the report. Our work included consultation with AEL representatives including senior management and relevant employees at corporate office and mining sites. The consultations with external stakeholders were not carried out. The approach deemed to be appropriate for the purpose of assurance of the report since all data therein could be verified through original proofs, verified database entries.

The Assurance was performed by our multidisciplinary team of experienced professionals in the field of Corporate Sustainability, Environment, Social and Stakeholder Engagement. We are of the opinion that our work offers a

sufficient and substantiated basis to enable us to come to a conclusion mentioned below and based on the content of our contract.

Adherence to AA 1000 principles:

Inclusivity: AEL has identified, prioritize and engaged with its internal and external stakeholders (customers, suppliers, local community in project affected area, government authorities, shareholder) through formal and informal mechanism like Stakeholder Consultations for Talabira and Gare Pelma project affected villages as a response to sustainable development issue.

Materiality: AEL has identified and prioritized the material issues considering perspective of identified major stakeholders based on "Impact" related to sustainable development viz. economic, environment & social performance and provide balance information in the report.

Responsiveness: AEL has responded to its stakeholders against identified material issues critical to sustainable development through disclosure made in report 2018-19, its sustainability strategy & framework, policies, implementation systems and processes, allocation of resources to stakeholder engagement and communication.

Conclusion:

In conclusion, we can mention that no instances or information came to our attention that would be to the contrary of the statement made below:

- AEL 2018-19 sustainability report meets the requirement of Type-1, Moderate Assurance according to AA1000AS (2008) with 2018 addendum and GRI standard (2016).
- The Report includes statements and claims that reflects AEL achievements and challenges supported by documentary evidences and internal records
- The performance data we found in the report are collected, stored and analyzed in a systematic and professional manner and were plausible.
- TÜV Rheinland shall not bear any liability or responsibility to a third party for perception and decision about AEL based on this Assurance Statement.

For TÜV Rheinland India Pvt. Ltd.

Ganga

Ganga Chayan SHARMA, Lead Verifier



New Delhi

August 12th, 2019

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