

Adani Enterprises Limited

April 05, 2019

Ratings

Facilities	Amount (Rs. crore)	Ratings ¹	Rating Action
Long Term / Short Term Bank Facilities	8,400.00	CARE A; Stable / CARE A1 [Single A; Outlook: Stable / A One]	Reaffirmed
Short Term Bank Facilities	300.00	CARE A1 [A One]	Reaffirmed
Sub-Total	8,700.00		
Long Term Bank Facilities #	935.00	CARE A+ (SO); Stable [Single A Plus (Structured Obligation); Outlook: Stable]	Reaffirmed
Long Term / Short Term Bank Facilities #	610.00	CARE A+ (SO); Stable / CARE A1+(SO) [Single A Plus (Structured Obligation); Outlook: Stable / A One Plus (Structured Obligation)]	Reaffirmed
Sub-Total	1,545.00		
Total Facilities	10,245.00 (Rupees Ten Thousand Two Hundred and Forty Five Crore only)		

Details of facilities in Annexure-1

Rating is based on the Credit Enhancement which is available in the form of a ring-fenced cash flow structure as per Trust and Retention Account (TRA) agreement for priority in debt servicing of loans availed for funding the implementation & operations of Parsa East & Kente Basin (PEKB) coal block project within Adani Enterprises Limited (AEL).

Detailed Rationale & Key Rating Drivers

The ratings assigned to the bank facilities of AEL continue to derive strength from the vast experience of its promoters in various businesses, diversified & synergetic operations of the Adani Group, leading position of AEL in integrated coal management (ICM) business in India wherein AEL imports coal through its established coal sourcing arrangements and sells to a diversified clientele, ramp-up in operations of the higher profit margin domestic coal mine developer and operator (MDO) business segment under AEL during 9MFY19 and improvement in its overall gearing post hiving-off the renewable energy segment w.e.f. April 01, 2018. Further, the ratings take into account partial reduction in loans & advances given to the power business vertical of the Adani Group, expected proceeds from sale of its investments in agri logistics and power businesses along with financial flexibility and likely need-based support that AEL can receive being a part of the Adani Group coupled with management's articulation to adhere to a specific range for AEL's consolidated total external debt/PBILDT going forward.

The ratings are, however, constrained by continued moderation in profit margin of its ICM business at a consolidated level, subdued performance of its solar cell / module manufacturing facility during 9MFY19 on the back of stiff competition from cheaper imports, significant level of exposure to the power business vertical of the Adani Group despite some reduction, delay in extinguishment of corporate guarantee given for bank facilities of one of the companies in the power business vertical, working capital intensive nature of operations, continued high reliance on short-term debt resulting in moderate debt coverage indicators, risks associated with commodity price movement and foreign exchange rate fluctuations. The ratings are further constrained by elevated project risk associated with its large sized capex plans towards its Australian coal mining and related rail evacuation infrastructure while the project is significantly delayed with AEL having made significant investments towards it. The ratings are also constrained by inherent project risks associated with its plans to undertake significantly large size projects simultaneously across varied lines of businesses wherein AEL doesn't necessarily have prior experience.

Ability of AEL to achieve significant improvement in profitability in its solar cell & module manufacturing business, achievement of envisaged domestic coal mining volumes upon commencement of operations of the new coal mines allocated to AEL under domestic MDO route leading to significant improvement in its debt coverage indicators, further reduction in the exposure to the power business vertical of the Adani Group, effective working capital management, timely need based infusion of funds by the promoter group for completion of the recently taken up projects and maintaining the targeted range for consolidated total external debt/PBILDT along with presence of conducive regulatory environment in its various existing and upcoming business segments shall be the key rating sensitivities.

¹Complete definitions of the ratings assigned are available at www.careratings.com and in other CARE publications.

The ratings assigned to the bank facilities availed for funding the implementation & operations of the PEKB coal block project within the 'Mining Division' of AEL continues to take cognizance of the presence of a ring-fenced cash flow structure as per TRA agreement for priority in its debt servicing providing credit enhancement from AEL's standalone credit risk profile, presence of a long-term Coal Mine & Delivery Agreement (CMDA) with Rajasthan Rajya Vidyut Utpadan Nigam Limited (RRVUNL) ensuring committed off-take at agreed upon pricing formula and superior profitability & debt coverage indicators.

The ratings are, however, constrained by the below average credit profile of its sole off-taker (RRVUNL) and regulatory risk associated with mining operations.

Detailed description of the key rating drivers

Key Rating Strengths

Very experience of the promoters of AEL in various businesses and diversified & synergetic operations of the Adani Group

Promoters of AEL have more than two decades of experience in various businesses along with established relationship with global players. Adani Group has evolved as a diversified conglomerate based in India having global operations with primary interests in energy and infrastructure sectors while AEL continues to operate as the flagship company of the Group and plays a leading role in incubating new businesses for the Group. Adani Group was primarily involved in imported coal trading business and gradually it has backward integrated its operations in domestic and overseas coal mining through AEL along with forward integration in ports, logistics, thermal and renewable power generation, transmission & distribution through various other group companies. AEL has coal mining operations in Indonesia and has also acquired a coal mine in Australia.

Leading position of AEL in integrated coal management business in India wherein AEL imports coal through its established coal sourcing arrangements and sells to a diversified clientele

AEL with its established business relations with coal suppliers of Indonesia, Australia and South Africa has evolved as India's largest importer for non-coking coal catering to the requirement of both private and public sector undertaking (PSU) clients. AEL has consolidated its position in ICM business during the last decade and has developed strong business relationships with miners in Indonesia, Australia and South Africa for procurement of imported coal.

AEL has developed business relationship with diversified customers across various end-user industries including coal-based power generators. It enjoys major share in domestic PSU tendering business. It imports coal through all the major ports of India which saves the logistic cost and ensures timely delivery to its customers. Out of India's total coal imports during FY18, AEL had a 45% share.

Improvement in the performance of domestic MDO business during 9MFY19

AEL has been acting as a coal MDO on behalf of RRVUNL for RRVUNL's coal requirement to run its power plants. AEL had completed mine development and coal production commenced from February 2013 and coal supply volumes have gradually ramped up. The volumes increased from 2.95 million tonne (MT) in FY15 to 5.50 MT in FY16 to 7.33 MT in FY17 and then marginally declined due to transportation bottlenecks to 7.05 MT in FY18. Subsequently, upon resolution of the transportation bottleneck from April 2018, there has been a ramp up in the coal supply volumes to 8.44 MT during 9MFY19.

Although MDO business does not contribute much to the total operating income (TOI) of AEL, it has healthy contribution to its profitability since it is a high margin business. AEL receives 'Mining Fees' at agreed upon rate per tonne of coal supplied from the block with yearly escalation linked to Wholesale Price Index (WPI) & Consumer Price Index (CPI) along with reimbursement of related expenses, taxes, duties and logistics cost which provides good revenue visibility. Financial profile of RRVUNL (the sole counterparty for this MDO business) is below average leading to higher working capital intensity. A ring-fenced cash flow structure as per TRA agreement is in place for ensuring priority in servicing of the loans availed for funding the implementation & operations of the PEKB coal block project within the 'Mining Division' of AEL. In Q1FY19, AEL refinanced its outstanding term debt pertaining to PEKB coal block with new lenders wherein the DSRA stipulation is two month's interest servicing obligation.

Interest coverage of MDO business stood at 5.76 times and 9.88 times during FY18 and 9MFY19 respectively which is relatively superior compared to interest coverage of 2.43 times and 1.24 times for AEL at a consolidated level (from continuing businesses) during FY18 and 9MFY19 respectively.

Stable financial profile with improvement in overall gearing post hiving off renewable power generation and city gas distribution businesses

AEL's overall gearing and total debt / PBILD stood at 2.12 times and 7.01 times respectively as on March 31, 2018 [(without considering demerger effect of Adani Green Energy Limited (AGEL)]. However, with effect from April 01, 2018 and August 28, 2018 respectively, the Renewable Power undertaking [housed under Adani Green Energy Limited (AGEL)] and Gas Sourcing & Distribution undertaking [housed under Adani Gas Limited (AGL)] businesses of AEL were demerged

from AEL. This has led to significant reduction in the total debt levels of AEL. Post these demergers, AEL's overall gearing improved to 1.18 times as on December 31, 2018.

Even with the demerger of the Renewable Power undertaking and Gas Sourcing & Distribution undertaking from AEL in FY19, AEL has registered stable financial performance during 9MFY19 marked by TOI of Rs.27,478 crore with a PAT (after non-controlling Interest) of Rs.434 crore. The stable financial performance of AEL during 9MFY19 was supported by significant improvement in the performance of its high margin domestic coal MDO business upon resolution of the transportation bottleneck from April 2018.

Expected proceeds from sale of its investments in agri-logistics and some power businesses to other Adani group companies

In Feb. 2019, AEL announced divestment of its entire equity stake in Adani Agri Logistics Limited, Adani Agri Logistics (Dahod) Limited, Adani Agri Logistics (Darbhanga) Limited and Adani Agri Logistics (Samastipur) Limited (wholly-owned subsidiaries of AEL) to Adani Logistics Limited which is a wholly-owned subsidiary of Adani Ports and Special Economic Zone Limited (APSEZ) at a consideration of Rs.943.68 crore subject to approval of shareholders of AEL.

Also, it had announced divestment of its entire equity stake in Adani Power Dahej Limited, Adani Pench Power Limited, and Kutch Power Generation Limited (wholly-owned subsidiaries of AEL) to Adani Power Limited (APL) at a consideration of Rs.323.37 crore subject to approval of shareholders of AEL. These power vertical companies are yet to commence operations and house land acquired for planned thermal power projects.

Both these divestments in agri-logistics & power business vertical companies have been completed as on March 31, 2019 and have helped AEL realize Rs.1,267 crore which would enable it to part fund its growth capital requirement / rationalize its debt levels.

Reduction in exposure to the power business vertical of the Adani Group

Post Adani Group's business restructuring in April 2015, AEL on a consolidated basis was vested with significant amount of loans & advances, trade receivables and other dues receivables from Adani Power Limited (APL; rated CARE BB+; Stable / CARE A4+) and its subsidiaries. There has been repatriation of a significant part of this to AEL during FY18 & 9MFY19 to the extent of ~Rs.2,700 crore. AEL's management has articulated further recovery of such loans & advances / receivables from the Group's power business vertical during Q4FY19.

Financial flexibility and likely need-based support that AEL can receive being a part of the Adani Group

Promoters of AEL hold ~75% equity shares in AEL which provides significant financial flexibility to raise resources on need basis. Also, out of total promoter's equity holding in AEL, 69.90% is unpledged as on December 31, 2018. Market value of total promoter's equity holding in AEL as on December 31, 2018 stood at ~Rs.13,262 crore out of which the unpledged holding of the promoters was valued at ~Rs.9,270 crore. Further, as on December 31, 2018, the market value of unpledged promoter shares in Adani Ports and Special Economic Zone Limited (APSEZ), Adani Transmission Limited (ATL), Adani Green Energy Limited (AGEL), Adani Gas Limited (AGL) and Adani Power Limited (APL) stood at ~Rs.27,234 crore, ~Rs.9,107 crore, ~Rs.3,589 crore, Rs.8,297 and ~Rs.10,399 crore respectively. AEL's management has articulated their stance of receiving timely need-based support from its promoters in case of exigencies and for funding its requirement of growth capital; and the significant market value of promoters' unpledged shares in their various listed companies provides significant financial flexibility to AEL.

Key Rating Weaknesses

Moderation in ICM business and solar cell & module manufacturing business

There has been moderation in trading volumes of imported coal from 81 MT during FY17 to 66 MT during FY18 to 43 MT during 9MFY19. Decline in coal trading volumes is mainly on the back of lower off-take of imported coal by its PSU clients along-with growth in domestic coal production. Along-side decline in volume of imported coal, the profitability margins from this business are also expected to moderate.

AEL through Mundra Solar PV Limited (MSPVL, wherein AEL holds 51% stake) had commissioned India's largest solar cell and module manufacturing facility at Mundra with an installed capacity of 1,200 MW of solar cell & solar modules each at a total project cost of ~Rs.2,000 crore. MSPVL started trial runs for the module manufacturing in November 2016 and commissioned the entire cell and module capacity in June 2017. FY18 was the first year of operations for MSPVL during which it supplied 574 MW of solar cells & modules. During FY18, ~80% of the solar cell & modules were supplied by MSPVL to AGEL for meeting its captive requirements. From FY19 onwards, MSPVL had plans to supply 40% of solar cell & modules to AGEL, 30% to other domestic companies and balance 30% by way of exports primarily to United States, European Union and Japan.

However, owing to high dumping of solar cells & modules, there was sharp fall in their prices leading to disruption in operations of MSPVL along-with inventory losses during H1FY19. MSPVL incurred PBILDT loss of Rs.37 crore during 9MFY19. However, with imposition of safeguard duty of 25% on the imported solar cells and modules from China & Malaysia from July 2018 along-with envisaged gradual diversification of its operations in to EPC & solar pump businesses,

MSPVL is expecting to significantly turnaround its performance in future (it earned a positive PBILDT of Rs.25 crore during Q3FY19). Sustained improvement in performance of this business segment of AEL would remain a key rating monitorable.

Risk associated with commodity price movement, foreign exchange rate fluctuations and regulatory changes in its ICM business

In ICM business, the prices for coal are mainly linked with the International Coal Price Indexes. Out of total coal imported by AEL, majority have a back to back supply contract according to the company management. Apart from that AEL maintains around 20-30 days' inventory in order to meet the spot demand from its customers. Hence, it is exposed to short-term variation in imported coal prices under its stock-and-sale coal trading business.

AEL is also exposed to the risk associated with the foreign exchange rate fluctuations since its entire imports are denominated in USD and significant amount of sales is in INR. According to AEL's management, it has a practice to hedge most of its exposure; however, its profitability remains susceptible to sharp exchange rate fluctuations on the un-hedged portion. However, common group treasury helps to partly mitigate exchange rate fluctuation risk.

AEL's imported coal trading business also faces regulatory risks. During the last few years, PSUs have been mandated to reduce their reliance over imported coal which has resulted in moderation in volumes and profitability margins of AEL's ICM business.

Significant amount of outstanding exposure to Group's power business vertical & delay in falling off of corporate guarantee given to one of the power business vertical companies

In spite of substantial reduction in AEL's exposure to the power business vertical in the form of loans & advances and receivables during FY18 & 9MFY19, the same continues to stand high at Rs.5,497 crore as on Dec. 31, 2018 which is nearly 45% of its net-worth base as on that date. Also, corporate guarantee given by AEL for a bank facility of Adani Power Rajasthan Limited for Rs.1,111 crore (as on Dec. 31 2018) has been continuing longer-than what was indicated by the company management.

Large sized capex plans towards Australian coal mining and related rail evacuation infrastructure while the project is significantly delayed with AEL having made significant investments

As a backward integration to the ICM business, in the year 2010, Adani Group (through a step-down subsidiary of AEL) acquired a mine at Carmichael Basin and decided to develop the mine and lay down a railway network from the mine to Abbot Port Terminal (Adani Group through its promoters had acquired 100% stake in this port around the same time). While AEL's economic interest in the mine is 100%, the rail network is being developed by a joint venture (JV) of AEL wherein AEL and a promoter company hold 50% equity each. This mined coal was ultimately planned to be shipped to India for meeting its energy requirements. While all major environment clearances and government approvals have been received, delay in achieving financial closure has led to significant delay in implementation of the project.

AEL has planned to implement the Australian mining project in phases. In the current first phase, it has estimated the total project cost at A\$ 2 billion (~Rs.10,856 crore) out of which it has invested ~Rs.6,500 crore by March 31, 2018 out of own funds of AEL (consolidated) which stood at ~Rs.7,350 crore after translation effect by Dec. 31, 2018. Fresh investments towards this project have been minimal in the last 3-4 years. The balance amount is planned to be invested through a combination of lease/debt and equity - and the actual mix is subject to financial closure. First phase of the project was expected to be operational by 2020 with a coal mining capacity of 10 MTPA. Till recently, AEL had been expecting to raise debt for financing this project on a project finance basis (i.e. without recourse to AEL). More clarity on the funding mix is expected to emerge only after successful financial closure. Out of balance requirements of around ~Rs.3,500 crore (as on Dec. 31, 2018) towards Phase-I of the mine project, Rs.3,266 crore is expected to be debt-funded on successful financial closure at the mine SPV level while minimal resources of AEL are expected to be deployed through FY21.

Inherent project risks associated with plans to undertake significantly large size projects simultaneously across varied lines of businesses wherein AEL doesn't necessarily has prior experience

During FY19, AEL has announced various projects across businesses that entail large capex. AEL has planned around ~Rs.1,648 crore of capex towards PEKB & new blocks in the MDO business during FY20-FY21. While AEL has announced large capex, the management has indicated that AEL will undertake these capex in a calibrated fashion with a clear preference to incur 'infrastructure and utilities capex' in priority over 'materials and manufacturing capex'.

The capex in the 'infrastructure and utility segment' includes three Hybrid Annuity Model (HAM) projects in Road sector, one HAM project in Water under Clean Ganga Mission of the Government of India (GoI), renewable power generation project in Australia & USA, data center business (AEL has signed an Memorandum of Understanding (MoU) with Government of Andhra Pradesh (GoAP) for setting up data centers in and around Visakhapatnam over next 20 years), award of six airports under privatization programme of the GoI [AEL has emerged as the winning bidder for privatization of six domestic airports viz. Ahmedabad, Jaipur, Lucknow, Thiruvananthapuram, Mangaluru and Guwahati whereby the Letters of Intent (LoIs) are yet to be issued to AEL]. AEL expects to incur Rs.7,810 crore towards these segments over FY20-21.

The capex in the 'materials and manufacturing segment' include setting up cement capacity of 5.50 MTPA and various projects in the Defence sector (including JVs). AEL expects to incur Rs.1,775 crore towards these segments over FY20-21. As AEL doesn't necessarily have prior experience in most of these businesses, this exposes AEL to project execution risks. However, AEL has entered into JVs with various industry players who have prior experience in that line of business in which AEL has plans to incur capex. Further, as stated by the company, it is also in the process of setting up of teams with domain experts in order to avoid any issues with project execution. Some comfort is also derived from AEL's long track record of successfully incubating businesses across various sectors in the past such as ports, thermal & renewable power generation, transmission and city gas distribution businesses.

As most of the above capex will have a debt funding mix to the extent of 70%, it will lead to higher leverage for AEL. However, management has reiterated that external debt servicing shall be its first priority and all deployment towards capex will be after external debt servicing only. AEL's management has articulated adherence to a specific range for AEL's consolidated total external debt/PBILD. Further, in case this ratio exceeds 6.50 times on a sustained basis or in case its internal accruals are not sufficient to meet its capex requirement for 'infrastructure & utility segment', promoters of AEL are committed to infuse funds into the company.

Liquidity analysis

Operations of AEL have remained working capital intensive over the years. Its operating cycle rests at around 2 months which is usually funded by Letter of Credit (LC) from banks. AEL had commercial paper (CP) outstanding of Rs.1,927 crore as on March 31, 2018 in order to meet its working capital requirements. AEL primarily uses non-fund based limits (LCs for coal purchase) and had average utilization of ~75% for 15 months ended February 2019. Further, being an incubator for new businesses, AEL utilises bank guarantee limits to place bank guarantees with various government authorities. In order to meet the additional working capital requirement related to PEKB coal block with the envisaged increase in the scale of mining operations, AEL has received sanction for additional fund based working capital limits of Rs.150 crore. However, during 9MFY19, with the repatriation of substantial funds from power business vertical companies of the Group, AEL has reduced its short-term borrowings & CP level during 9MFY19.

Analytical approach: Consolidated; mainly because of significant degree of operational, financial and managerial linkages between AEL and its subsidiaries. Also, AEL incubates various new businesses under it (in the past AEL has incubated port, thermal and renewable power, transmission and city gas distribution businesses) and provides all the required support (operational, financial as well as managerial) till the time these businesses become self-sustainable, which necessitates taking a consolidated analytical approach for AEL. List of entities getting consolidated in AEL is placed at **Annexure-3**.

Applicable Criteria

[Criteria on assigning Outlook to Credit Ratings](#)

[CARE's Policy on Default Recognition](#)

[Criteria for Short Term Instruments](#)

[Rating Methodology: Factoring Linkages in Ratings](#)

[Rating Methodology - Manufacturing Companies](#)

[CARE's Rating Methodology - Wholesale Trading](#)

[Rating Methodology - Airport Companies](#)

[Rating Methodology – Hybrid Annuity Road Projects](#)

[Financial Ratios - Non-Financial Sector](#)

About the Company

AEL, incorporated in 1993, belongs to the Adani Group with promoter group holding 74.92% stake in the company as on Dec. 31, 2018. AEL, on a standalone basis, has mainly integrated coal management (ICM), power trading and coal Mine Developer & Operator (MDO) businesses. AEL, on a consolidated basis has diversified businesses which includes solar cell/module manufacturing, agro-processing (including sale of branded edible oil), commodities trading, bunkering of ships and shipping. AEL through its subsidiaries has invested significant funds in coal mining & related rail evacuation infrastructure in Australia. Further, till recently, AEL had renewable power generation and city gas distribution businesses under its subsidiaries which have now been demerged from AEL. Renewable Power undertaking under Adani Green Energy Limited (AGEL) was demerged with appointed date of April 01, 2018 whereas Gas Sourcing & Distribution undertaking under Adani Gas Limited (AGL) was demerged with appointed date of August 28, 2018. Both AGEL & AGL were listed on the stock exchanges under an automatic route.

Particulars (Rs. Crore) – AEL (Consolidated)	FY17 (A)	FY18 (A)*
Total Operating Income	37,785	38,157
PBILDT	2,831	3,179
PAT	925	594
PAT (after Minority Interest)	988	757
Overall Gearing (times)	1.83	1.43
Interest Coverage (times)	1.80	2.43

A: Audited

* TOI & PBILDT of FY18 does not include the effect of its discontinuing business (i.e. renewable power generation through AGL) which was hived off from AEL w. e. f. April 01, 2018.

During 9MFY19, as per published un-audited results, AEL, on a consolidated basis, has earned a PAT (after discontinuing operations of AGL and after minority interest) of Rs.434 crore on a TOI of Rs.27,478 crore.

Brief Financials (AEL - PEKB Coal Block) (Rs. Crore)	FY17 (Pro-forma)	FY18 (Pro-forma)
Total Operating Income	726	804
PBILDT	355	449
Non-Cash Income (Extraordinary Income)	186	-
Non-Cash expense (Extraordinary Expense)	-	181
PBT	402	125
Total Debt/PBILDT (times)	1.69	1.30
Interest Coverage (times)	4.12	5.76

During 9MFY19, as per Pro-forma results, AEL's PEKB coal block operations registered a TOI of Rs.993 crore with a PBT of Rs.474 crore.

Status of non-cooperation with previous CRA: Not Applicable

Any other information: Not Applicable

Rating History for last three years: Please refer Annexure-2

Note on complexity levels of the rated instrument: CARE has classified instruments rated by it on the basis of complexity. This classification is available at www.careratings.com. Investors/market intermediaries/regulators or others are welcome to write to care@careratings.com for any clarifications.

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Disclaimer

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In case of partnership/proprietary concerns, the rating /outlook assigned by CARE is based on the capital deployed by the partners/proprietor and the financial strength of the firm at present. The rating/outlook may undergo change in case of withdrawal of capital or the unsecured loans brought in by the partners/proprietor in addition to the financial performance and other relevant factors.

Annexure-1: Details of Facilities

Name of the Bank Facilities	Date of Issuance	Coupon Rate	Maturity Date	Size of the Issue (Rs. crore)	Rating assigned along with Rating Outlook
Fund-based - ST-Term loan	NA	NA	Dec. 31, 2019	300.00	CARE A1
Fund-based/Non-fund-based-LT/ST	NA	NA	NA	610.00	CARE A+ (SO); Stable / CARE A1+ (SO)
Fund-based/Non-fund-based-LT/ST	NA	NA	NA	8300.00	CARE A; Stable / CARE A1
Fund-based - LT-Term Loan	NA	NA	March 31, 2030	935.00	CARE A+ (SO); Stable
Non-fund-based - LT/ ST-Bank Guarantees	NA	NA	NA	100.00	CARE A; Stable / CARE A1

NA: Not Applicable

Annexure-2: Rating history of last three years

Sr. No.	Name of the Bank Facilities	Current Ratings			Rating History			
		Type	Amount Outstanding (Rs. crore)	Rating	Date(s) & Rating(s) assigned in 2018-2019	Date(s) & Rating(s) assigned in 2017-2018	Date(s) & Rating(s) assigned in 2016-2017	Date(s) & Rating(s) assigned in 2015-2016
1.	Fund-based - LT-Cash Credit	LT	-	-	-	1)Withdrawn (05-Jan-18)	1)CARE A; Stable (13-Feb-17) 2)CARE A (28-Oct-16)	1)CARE A (10-Nov-15)
2.	Non-fund-based - ST-BG/LC	ST	-	-	-	1)Withdrawn (05-Jan-18)	1)CARE A1 (13-Feb-17) 2)CARE A1 (28-Oct-16)	1)CARE A / CARE A1 (10-Nov-15)
3.	Non-fund-based - ST-BG/LC	ST	-	-	-	1)Withdrawn (05-Jan-18)	1)CARE A1 (13-Feb-17) 2)CARE A1 (28-Oct-16)	1)CARE A1 (10-Nov-15)
4.	Debentures-Non Convertible Debentures	LT	-	-	-	-	-	1)Withdrawn (04-Jan-16)
5.	Debentures-Non Convertible Debentures	LT	-	-	-	-	-	1)Withdrawn (04-Jan-16)
6.	Fund-based - ST-Term loan	ST	300.00	CARE A1	1)CARE A1 (20-Aug-18) 2)CARE A1 (25-Apr-18)	1)CARE A1 (05-Jan-18)	1)CARE A1 (13-Feb-17) 2)CARE A1 (28-Oct-16)	1)CARE A / CARE A1 (10-Nov-15)
7.	Fund-based - LT-	LT	-	-	1)Withdrawn	1)CARE A;	1)CARE A;	1)CARE A

Sr. No.	Name of the Bank Facilities	Current Ratings			Rating History			
		Type	Amount Outstanding (Rs. crore)	Rating	Date(s) & Rating(s) assigned in 2018-2019	Date(s) & Rating(s) assigned in 2017-2018	Date(s) & Rating(s) assigned in 2016-2017	Date(s) & Rating(s) assigned in 2015-2016
	Term Loan				(25-Apr-18)	Stable (05-Jan-18)	Stable (13-Feb-17) 2)CARE A (28-Oct-16)	(10-Nov-15)
8.	Debentures-Non Convertible Debentures	LT	-	-	1)Withdrawn (21-Nov-18)	1)CARE A; Stable (05-Jan-18)	1)CARE A; Stable (13-Feb-17) 2)CARE A (15-Jul-16)	-
9.	Fund-based/Non-fund-based-LT/ST	LT/ST	610.00	CARE A+ (SO); Stable / CARE A1+ (SO)	1)CARE A+ (SO); Stable (20-Aug-18) 2)CARE A+ (SO); Stable (25-Apr-18)	1)CARE A+ (SO); Stable (05-Jan-18)	1)CARE A+ (SO); Stable (13-Feb-17) 2)CARE A+ (SO) (28-Oct-16)	-
10.	Fund-based - LT-Term Loan	LT	-	-	1)Withdrawn (20-Aug-18) 2)CARE A+ (SO); Stable (25-Apr-18)	1)CARE A+ (SO); Stable (05-Jan-18)	1)CARE A+ (SO); Stable (13-Feb-17) 2)CARE A+ (SO) (28-Oct-16)	-
11.	Fund-based/Non-fund-based-LT/ST	LT/ST	8300.00	CARE A; Stable / CARE A1	1)CARE A; Stable / CARE A1 (20-Aug-18) 2)CARE A; Stable / CARE A1 (25-Apr-18)	1)CARE A / CARE A1 (05-Jan-18)	-	-
12.	Fund-based - LT-Term Loan	LT	935.00	CARE A+ (SO); Stable	1)CARE A+ (SO); Stable (20-Aug-18) 2)Provisional CARE A+ (SO); Stable (25-Apr-18)	-	-	-
13.	Non-fund-based - LT/ ST-Bank Guarantees	LT/ST	100.00	CARE A; Stable / CARE A1	-	-	-	-

Annexure-3: List of subsidiaries / joint ventures / associates of AEL getting consolidated

Sr. No.	Name of the Entity	Subsidiary / Associate / Joint Venture	% Shareholding by AEL as on March 31, 2018
1.	Adani Global Limited	Subsidiary	100.00
2.	Adani Global FZE	Subsidiary	100.00
3.	Adani Global Pte Limited	Subsidiary	100.00
4.	PT Adani Global	Subsidiary	100.00
5.	Adani Shipping Pte Limited	Subsidiary	100.00
6.	Adani Agri Fresh Limited	Subsidiary	100.00
7.	Adani Agri Logistics Limited	Subsidiary	100.00
8.	Parsa Kente Collieries Limited	Subsidiary	74.00
9.	Adani Welspun Exploration Limited	Subsidiary	65.00
10.	Adani Power Dahej Limited	Subsidiary	100.00
11.	Natural Growers Private Limited	Subsidiary	100.00

Sr. No.	Name of the Entity	Subsidiary / Associate / Joint Venture	% Shareholding by AEL as on March 31, 2018
12.	Adani Gas Limited	Subsidiary	100.00
13.	Adani Pench Power Limited	Subsidiary	100.00
14.	Kutchh Power Generation Limited	Subsidiary	100.00
15.	Rahi Shipping Pte Limited	Subsidiary	100.00
16.	Vanshi Shipping Pte Limited	Subsidiary	100.00
17.	Mahaguj Power LLP	Subsidiary	100.00
18.	PT Adani Global Coal Trading	Subsidiary	100.00
19.	PT Coal Indonesia	Subsidiary	100.00
20.	PT Sumber Bara	Subsidiary	100.00
21.	PT Energy Resources	Subsidiary	100.00
22.	PT Niaga Antar Bangsa	Subsidiary	100.00
23.	PT Niaga Lintas Samudra	Subsidiary	100.00
24.	PT Gemilang Pusaka Pertiwi	Subsidiary	100.00
25.	PT Hasta Mundra	Subsidiary	100.00
26.	PT Lamindo Inter Multikon	Subsidiary	100.00
27.	PT Mitra Naiga Mulia	Subsidiary	100.00
28.	PT Suar Harapan Bangsa	Subsidiary	100.00
29.	PT Tambang Sejahtera Bersama	Subsidiary	100.00
30.	Adani Mining Pty Limited	Subsidiary	100.00
31.	Adani Shipping (India) Private Limited	Subsidiary	100.00
32.	Adani Gas Holdings Limited (Formerly known as Mundra LNG Limited)	Subsidiary	100.00
33.	Chendipada Collieries Private Limited	Subsidiary	100.00
34.	Adani Bunkering Private Limited	Subsidiary	100.00
35.	Aanya Maritime Inc	Subsidiary	100.00
36.	Aashna Maritime Inc	Subsidiary	100.00
37.	Adani Minerals Pty Limited	Subsidiary	100.00
38.	AWEL Global Limited	Subsidiary	65.00
39.	Adani Chendipada Mining Private Limited	Subsidiary	100.00
40.	Adani Resources Private Limited	Subsidiary	100.00
41.	Surguja Power Private Limited	Subsidiary	100.00
42.	Rajasthan Collieries Limited	Subsidiary	74.00
43.	Galilee Transmission Holdings Pty Limited	Subsidiary	100.00
44.	Galilee Transmission Pty Limited	Subsidiary	100.00
45.	Adani Synenergy Limited	Subsidiary	100.00
46.	Adani Agri Logistics (MP) Limited	Subsidiary	100.00
47.	Galilee Transmission Holdings Trust	Subsidiary	100.00
48.	Jhar Mining Infra Private Limited	Subsidiary	51.00
49.	Adani Agri Logistics (Harda) Limited	Subsidiary	100.00
50.	Adani Agri Logistics (Hoshangabad) Limited	Subsidiary	100.00
51.	Adani Agri Logistics (Satna) Limited	Subsidiary	100.00
52.	Adani Agri Logistics (Ujjain) Limited	Subsidiary	100.00
53.	Adani Agri Logistics (Dewas) Limited	Subsidiary	100.00
54.	Adani Green Energy Limited	Subsidiary	47.19
55.	Mundra Solar Technopark Private Limited	Subsidiary	45.06
56.	Adani Green Energy (Tamilnadu) Limited	Subsidiary	47.19
57.	Adani Renewable Energy Park Limited	Subsidiary	51.00
58.	Adani Defence Systems and Technologies Limited	Subsidiary	100.00
59.	Adani Renewable Energy Park (Gujarat) Limited	Subsidiary	51.00
60.	Adani Infrastructure Pty Limited	Subsidiary	100.00
61.	Adani Green Energy (MP) Limited	Subsidiary	47.19
62.	Adani Green Energy (UP) Limited	Subsidiary	47.19
63.	Kamuthi Solar Power Limited	Subsidiary	47.19
64.	Ramnad Solar Power Limited	Subsidiary	47.19

Sr. No.	Name of the Entity	Subsidiary / Associate / Joint Venture	% Shareholding by AEL as on March 31, 2018
65.	Kamuthi Renewable Energy Limited	Subsidiary	47.19
66.	Ramnad Renewable Energy Limited	Subsidiary	47.19
67.	Mundra Solar Limited	Subsidiary	51.00
68.	Mundra Solar PV Limited	Subsidiary	51.00
69.	Prayatna Developers Private Limited	Subsidiary	100.00
70.	Parampujya Solar Energy Private Limited	Subsidiary	47.19
71.	Rosepetal Solar Energy Private Limited	Subsidiary	47.19
72.	Adani Wind Energy (Gujarat) Private Limited (formerly known as Duryodhana Developers Private Limited)	Subsidiary	47.19
73.	Kilaj Solar (Maharashtra) Private Limited	Subsidiary	47.19
74.	Adani Green Technology Limited	Subsidiary	51.00
75.	Wardha Solar (Maharashtra) Private Limited	Subsidiary	47.19
76.	Gaya Solar (Bihar) Private Limited	Subsidiary	47.19
77.	Mahoba Solar (UP) Private Limited	Subsidiary	47.19
78.	Adani Land Defence Systems and Technologies Limited	Subsidiary	100.00
79.	Adani Aerospace and Defence Limited (formerly known as Adani Aero Defence Systems and Technologies Limited)	Subsidiary	100.00
80.	Adani Naval Defence Systems and Technologies Limited	Subsidiary	100.00
81.	Talabira (Odisha) Mining Private Limited	Subsidiary	51.00
82.	Adani Agri Logistics (Katihar) Limited	Subsidiary	100.00
83.	Adani Agri Logistics (Kotkapura) Limited	Subsidiary	100.00
84.	Adani Cementation Limited	Subsidiary	100.00
85.	Adani North America Inc	Subsidiary	100.00
86.	Adani Agri Logistics (Moga) Limited	Subsidiary	100.00
87.	Adani Agri Logistics (Raman) Limited	Subsidiary	100.00
88.	Adani Agri Logistics (Barnala) Limited	Subsidiary	100.00
89.	Adani Agri Logistics (Nakodar) Limited	Subsidiary	100.00
90.	Adani Agri Logistics (Mansa) Limited	Subsidiary	100.00
91.	Adani Agri Logistics (Bathinda) Limited	Subsidiary	100.00
92.	Adani Agri Logistics (Kannauj) Limited	Subsidiary	100.00
93.	Adani Agri Logistics (Panipat) Limited	Subsidiary	100.00
94.	Adani Infrastructure Private Limited	Subsidiary	100.00
95.	Adani Tradex LLP	Subsidiary	100.00
96.	Adani Tradecom LLP	Subsidiary	100.00
97.	Adani Tradewing LLP	Subsidiary	100.00
98.	Adani Commodities LLP	Subsidiary	100.00
99.	Adani Solar USA LLC	Subsidiary	100.00
100.	Urja Maritime Inc	Subsidiary	100.00
101.	Adani Global DMCC	Subsidiary	100.00
102.	Gare Pelma III Collieries Limited	Subsidiary	100.00
103.	Adani Renewable Power LLP	Subsidiary	47.19
104.	Adani Renewable Asset Holdings Pty Limited	Subsidiary	100.00
105.	Adani Renewable Asset Holdings Trust	Subsidiary	100.00
106.	Adani Renewable Asset Pty Limited	Subsidiary	100.00
107.	Adani Renewable Asset Trust	Subsidiary	100.00
108.	Adani Rugby Run Trust	Subsidiary	100.00
109.	Adani Rugby Run Pty Limited	Subsidiary	100.00
110.	Adani Global Royal Holding Pte Limited	Subsidiary	100.00
111.	Queensland RIPA Holdings Trust	Subsidiary	100.00
112.	Queensland RIPA Holdings Pty Limited	Subsidiary	100.00
113.	Queensland RIPA Pty Limited	Subsidiary	100.00
114.	Queensland RIPA Trust	Subsidiary	100.00
115.	Queensland RIPA Finance Pty Limited	Subsidiary	100.00
116.	Adani Transport Limited	Subsidiary	100.00

Sr. No.	Name of the Entity	Subsidiary / Associate / Joint Venture	% Shareholding by AEL as on March 31, 2018
117.	Adani Wilmar Pte Limited	Joint Venture	50.00
118.	CSPGCL AEL Parsa Collieries Limited	Associate	49.00
119.	Adani Wilmar Limited	Joint Venture	50.00
120.	Vishakha Polyfab Private Limited	Joint Venture	25.00
121.	KTV Health and Foods Private Limited	Joint Venture	25.00
122.	KOG KTV Food Products (India) Private Limited	Joint Venture	25.00
123.	Golden Valley Agrotech Private Limited	Joint Venture	50.00
124.	AWN Agro Private Limited	Joint Venture	25.00
125.	Indian Oil-Adani Gas Private Limited	Joint Venture	50.00
126.	Adani Renewable Energy Park Rajasthan Limited	Joint Venture	25.50
127.	Adani-Elbit Advance Systems India Limited	Joint Venture	51.00
128.	Adani Green Energy Pte Limited	Joint Venture	51.00
129.	GSPC LNG Limited	Associate	31.17
130.	Vishakha Industries Private Limited	Associate	50.00
131.	Carmichael Rail Network Holdings Pty Limited	Joint Venture	50.00
132.	Carmichael Rail Network Pty Limited	Joint Venture	50.00
133.	Carmichael Rail Network Trust	Joint Venture	50.00
134.	Carmichael Rail Asset Holdings Trust	Joint Venture	50.00
135.	Adani Global Resources Pte Limited	Joint Venture	50.00
136.	Kodangal Solar Parks Private Limited	Associate	23.12
137.	Autotec Systems Private Limited	Associate	26.00
138.	Comprotech Engineering Private Limited	Associate	26.00

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