



The Pakistan Credit Rating Agency Limited

Rating Report

Pak Arab Refinery Limited

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Rating History

Dissemination Date	Long Term Rating	Short Term Rating	Outlook	Action	Rating Watch
08-Dec-2023	AAA	A1+	Stable	Maintain	-
09-Dec-2022	AAA	A1+	Stable	Maintain	-
10-Dec-2021	AAA	A1+	Stable	Maintain	-
10-Dec-2020	AAA	A1+	Stable	Maintain	-
10-Dec-2019	AAA	A1+	Stable	Maintain	-
10-Jun-2019	AAA	A1+	Stable	Maintain	-
14-Dec-2018	AAA	A1+	Stable	Maintain	-
05-Jun-2018	AAA	A1+	Stable	Maintain	-

Rating Rationale and Key Rating Drivers

The ratings incorporate PARCO's ownership structure representing the Government of Pakistan (GoP) – (60%) and Abu Dhabi Petroleum Investment Company (ADPI) through Mubadala Investment Company (based in Emirates of Abu Dhabi – UAE) – (40%). The rating also incorporates PARCO's strategic importance to economy through operations providing efficient, low-cost, and environment-friendly energy solutions through transportation of petroleum products via integrated Pipelines. Pakistan's consumption of petroleum products experienced a downtrend by a sharp ~26.1% YoY in FY23. This decline is attributed to sluggish industrial activity, reduced local transport fuel consumption, weak auto sales and high product prices. In FY23 consumption of HSD & MS stood at 6.4mln MT and 7.5mln MT of which ~44.4% (for both products) met through the local production. PARCO, being the market leader retains the market share of ~46% in FY23 of the total domestic supply of Petroleum products. In continuation, PARCO witnessed the revenue growth of 21% during FY23, while a significant increase was observed in 1QFY24 where the sales increased by ~32.8%. The Company has low leveraged structure and operations are generally funded by its own resources. Further, the revenue streams also include return on investments in subsidiaries and associate. PARCO is also contributing substantially towards socioeconomic benefits and Foreign Exchange savings for the country. The recently approved "Refining Policy for Upgrade of Existing /Brownfield Refineries 2023 and New /Greenfield Refineries", provides fiscal incentives in form of tariff protection to refineries considering upgradations. Certain modalities of the Policy are currently under discussion with the Ministry of Energy, Petroleum Division and Government of Pakistan. PARCO has completed a feasibility study for upgradation project and working on underlying agreements (as per the policy) to be signed with OGRA to proceed further. In line with its strategic vision, PARCO has also initiated an integrated refinery-Petrochemical complex of 250-350kbpd project namely the PARCO Coastal Refinery Project. The feasibility study of Petrochemical complex has been completed.

Effective management of upcoming projects, consistency in Government policies and technological improvisation will remain critical for the ratings. Meanwhile, sustained competitive positioning is also imperative.

Disclosure

Name of Rated Entity	Pak Arab Refinery Limited
Type of Relationship	Solicited
Purpose of the Rating	Entity Rating
Applicable Criteria	Methodology Corporate Rating(Jul-23),Methodology Correlation Between Long-term & Short-term Rating Scales(Jul-23),Methodology Rating Modifiers(Apr-23)
Related Research	Sector Study Refineries(Nov-22)
Rating Analysts	Ali Arslan Malik Ali.Arsalan@pacra.com +92-42-35869504

Profile

Legal Structure Established in 1974, Pak-Arab Refinery Ltd (PARCO) is a 60:40 joint venture between the Government of Pakistan and Emirates of Abu Dhabi (EAD) through its investment arm, Abu Dhabi Petroleum Investments LLC (ADPI).

Background The Company was established with the objective of setting up a Mid-Country Refinery (MCR) and an associated pipeline system for the transport of crude oil from Karachi to the refinery site at Mahmood-Kot near Multan. The pipeline project was implemented and commissioned in 1981. The Mid-Country Refinery was established in 2000, one of the largest refinery operating in the country, has a refining capacity of ~120,000 Barrels per day post its revamp project.

Operations The company is primarily engaged in the refining, sale, and transportation of petroleum products. The refinery unit of the company produces Liquefied Petroleum Gas (LPG), Motor Gasoline (MS), High Octane Blending Component (HOBC), Kerosene, Jet Fuel (JP-1 & JP-8), High-Speed Diesel (HSD), Light Diesel Oil (LDO), Furnace Oil (FO), Asphalt and Sulphur.

Ownership

Ownership Structure PARCO is 60% owned by the Government of Pakistan, represented by the Ministry of Energy (Petroleum Division) and 40% by Emirates of Abu Dhabi (EAD). EAD has made investment under the name of Abu Dhabi Petroleum Investments LLC (ADPI) - a majority owned company of Mubadala Investment Company (the state-owned investment vehicle of the Abu Dhabi government).

Stability Considering the strategic importance of the company, stability is considered strong.

Business Acumen GoP holds PARCO as its strategically vital asset, whereas more technical knowledge flows in from ADPI. The business acumen of sponsors of the company is considered strong.

Financial Strength Sovereign ownership by two states – Pakistan and Abu Dhabi, provides absolute financial strength to the company. Given the strategic importance of PARCO to the GoP, in terms of its socio-economic policies and its quest of reducing the import bill, the probability of sovereign support, in case the Company requires it, remains high.

Governance

Board Structure The Company's ten-member Board of Directors (BoD) includes six nominees of the GoP, including the Chairman and the Managing Director (MD), while the remaining four are EAD's nominees through Mubadala Investment Company.

Members' Profile Mr. Momin Agha; Secretary Petroleum is the Chairman of the Company with diversified experience of general management. Mr. Agha also holds position of Director at OGDCL. PARCO's board comprises of highly qualified members, mostly from well-renowned institutions. It has a blend of business studies, general management, law, engineering, and finance professionals. Experience profile of the board is rich.

Board Effectiveness During FY23, the Board held multiple meetings, to approve financial results, progress review of ongoing mega projects and to review the annual budget. There are five committees at the Board level, namely the Finance, HR, Audit, Investment and Risk & Compliance committees. Each committee is chaired by a board member and consists of other non-executive board members. Mr. Amr Ahmed, is the MD of the Company.

Financial Transparency PARCO's Auditor, KPMG Taseer Hadi & Co. Chartered Accountants, one of the big four firms. They have expressed an unqualified opinion on the company's financial statement as at end-June'23.

Management

Organizational Structure The organizational structure of the company is divided into various divisions and departments. All the divisional heads are designated as General Managers (GM). Despite the GoP's large stake in the ownership structure of PARCO, the Company enjoys operational autonomy.

Management Team Mr. Amr Ahmed took charge of PARCO as the Managing Director during September 2023. Mr. Amr has been associated with the company from two months. Mr. Amr Ahmed is the Chief Executive of Pak-Arab Pipeline Company (PAPCO) with an additional charge of Managing Director, Pak-Arab Refinery Limited (PARCO). The management team is well qualified, mostly associated with the company since long.

Effectiveness Over the years PARCO's effective management played a significant role in empowering the organization through its progressive results. Additionally, management's effective decision-making cause processes more systematic while the robustness of control systems is considered a reflection of strong management.

MIS The company generates MIS reports on daily, fortnightly, monthly, and annual basis. These mainly include daily cash position, daily production report, saleable stock position, Treasury and Accounts section MIS, monthly debtors aging, monthly management accounts, and Annual Financial Statements.

Control Environment PARCO has implemented – SAP – Enterprise Resource Planning (ERP) solution, to streamline planning and coordination across business lines, thereby increasing overall efficiency.

Business Risk

Industry Dynamics Pakistan relies significantly on imports to meet the demand of its energy products. The combined refining capacity of Pakistan stands at 20.34mln MT. During 1QFY24, the refinery production of Energy Products including Jet fuel, Kerosene, Motor Spirit, High Speed Diesel, Light Diesel Oil and Furnace Oil stood at 2.49mln MT (FY23: 8.97mln MT, FY22: 10.34mln MT). Alternatively, refinery production of Non Energy Products including Naphtha and others was recorded at 0.26mln MT (FY23: 1.21mln MT, FY22: 1.32mln MT). Total consumption of refined energy products during 1QFY24 stood at 3.88mln MT (FY23: 16.85mln MT, FY22: 22.78mln MT). Remaining demand was met through refined products imports of 1.66mln MT (FY23: 8.24mln MT).

Relative Position With respect to the relative positioning of the players in the premium products (HSD and MOGAS); efficiency and utilization of available capacity is essential. PARCO retains a large chunk of the market share, ~50% in term of revenue, while Pakistan Refinery, National Refinery, and Attock Refinery and Cnergyico, contribute ~15%, ~12%, ~17% and ~6%, respectively to the total domestic supply of POL products.

Revenues PARCO witnessed the growth of 21% while generating a turnover of PKR ~956,040mln during FY23 (FY22: PKR 790,351mln). However, volumes depict a downward trend (FY23: 4.3mln MT; FY22: 5.2mln MT) on back of rising petroleum prices and levies by the Government of Pakistan (GoP) and increase in topline is attributed to inflated prices. While a similar increase was observed in 1QFY24 where the sales increased by ~33% amounting to PKR 317,443mln as compared to PKR 238,597mln in 1QFY23.

Margins Gross profit margins of the company, took a dip in FY23, standing at ~12% (FY22: ~16.7%). This is mainly due to increased in international price of crude oil. However, in 1QFY24 margins showed an upward movement and stood at ~14.8%. Net profit margins stood at 7% and 9% in FY23 and 1QFY24, respectively.

Sustainability The approved Refining Policy provides tariff protection for refinery upgrades. PARCO, having finished a feasibility study for an upgrade, is now negotiating agreements with OGRA in accordance with the policy. Additionally, PARCO has commenced the PARCO Coastal Refinery Project, a 250-350kbbpd integrated refinery-Petrochemical complex, with the Petrochemical complex's feasibility study completed.

Financial Risk

Working Capital PARCO's working capital needs emanate from the need to finance its inventory of crude oil purchases and receivables for which the company mostly relies on internal cash flows. Over the years, PARCO's working capital management has stood strong which is evident from efficient net working capital days. (1QFY24: 32 days, FY23: 41 days, FY22: 22 days). However, company has availed short term borrowings in the 1QFY24 amounting to PKR 22,186mln. Receivables stood at PKR 83,357mln in FY23 and PKR 80,784mln in 1QFY24 (FY22: PKR 56,223mln; 1QFY23: PKR 46,421mln).

Coverages During FY23, coverages of the Company slightly increased to 53.6x owing to a reduction in the interest expense (FY22: 53.2x). Borrowings of the Company have increased significantly and stood at PKR 48,655mln including 99.8% of STB. And in 1QFY24, Company's coverages portray the declining trend and stood at 31.9x. Company's cash flows (FCFO) have decreased to PKR 68bln owing to decreased profitability in FY23 (FY22: 99.7bln).

Capitalization PARCO has the moderately-leveraged capital structure, leveraging stands at 12.8% at end 1QFY24 as compared to 21.9% at end Jun-23. (1QFY23: 16.6%, FY22: 0.1%). Debt only constitutes the short-term borrowings. Going forward, with the new refinery project, leveraging is expected to increase but will remain well-managed.



The Pakistan Credit Rating Agency Limited

Financial Summary
PKR mln

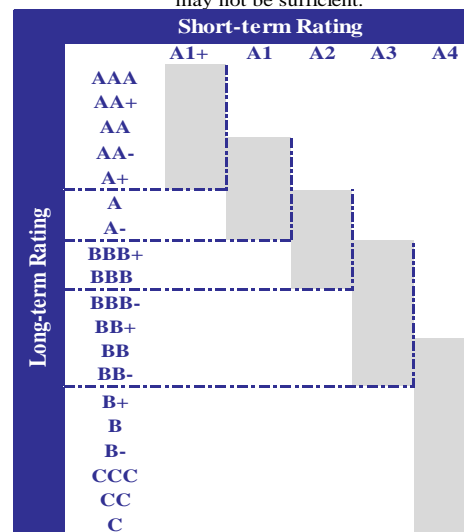
PARCO Refinery	Sep-23 3M	Jun-23 12M	Jun-22 12M	Jun-21 12M
A BALANCE SHEET				
1 Non-Current Assets	36,800	36,389	36,544	37,968
2 Investments	106,140	102,887	67,113	50,265
3 Related Party Exposure	11,381	11,381	11,338	13,278
4 Current Assets	241,958	230,775	167,051	73,058
<i>a Inventories</i>	102,309	114,196	85,893	33,782
<i>b Trade Receivables</i>	80,784	83,357	56,223	28,703
5 Total Assets	396,279	381,433	282,047	174,569
6 Current Liabilities	189,875	127,612	121,700	69,561
<i>a Trade Payables</i>	98,786	60,295	66,488	43,104
7 Borrowings	22,276	48,655	109	15,847
8 Related Party Exposure	-	-	-	-
9 Non-Current Liabilities	32,247	31,883	18,703	4,058
10 Net Assets	151,881	173,283	141,534	85,103
11 Shareholders' Equity	151,881	173,283	141,534	85,103
B INCOME STATEMENT				
1 Sales	317,443	956,040	790,351	337,224
<i>a Cost of Good Sold</i>	(270,571)	(841,663)	(658,490)	(321,310)
2 Gross Profit	46,872	114,377	131,861	15,914
<i>a Operating Expenses</i>	(2,385)	(8,186)	(8,786)	(3,711)
3 Operating Profit	44,487	106,191	123,075	12,203
<i>a Non Operating Income or (Expense)</i>	3,294	8,144	(5,703)	1,521
4 Profit or (Loss) before Interest and Tax	47,781	114,336	117,372	13,724
<i>a Total Finance Cost</i>	(1,051)	(1,271)	(1,948)	(1,963)
<i>b Taxation</i>	(18,184)	(46,469)	(46,707)	(3,433)
6 Net Income Or (Loss)	28,546	66,596	68,718	8,328
C CASH FLOW STATEMENT				
<i>a Free Cash Flows from Operations (FCFO)</i>	33,520	68,015	99,689	10,994
<i>b Net Cash from Operating Activities before Working Capital Changes</i>	33,442	66,863	97,637	8,691
<i>c Changes in Working Capital</i>	59,824	(70,729)	(43,106)	(14,063)
1 Net Cash provided by Operating Activities	93,266	(3,866)	54,531	(5,372)
2 Net Cash (Used in) or Available From Investing Activities	447	(47,427)	(31,024)	(5,919)
3 Net Cash (Used in) or Available From Financing Activities	(44,655)	(22,043)	(10,249)	(21)
4 Net Cash generated or (Used) during the period	49,058	(73,336)	13,258	(11,312)
D RATIO ANALYSIS				
1 Performance				
<i>a Sales Growth (for the period)</i>	32.8%	21.0%	134.4%	45.6%
<i>b Gross Profit Margin</i>	14.8%	12.0%	16.7%	4.7%
<i>c Net Profit Margin</i>	9.0%	7.0%	8.7%	2.5%
<i>d Cash Conversion Efficiency (FCFO adjusted for Working Capital/Sales)</i>	29.4%	-0.3%	7.2%	-0.9%
<i>e Return on Equity [Net Profit Margin * Asset Turnover * (Total Assets/STB)]</i>	70.2%	42.3%	60.6%	10.3%
2 Working Capital Management				
<i>a Gross Working Capital (Average Days)</i>	55	65	47	47
<i>b Net Working Capital (Average Days)</i>	32	41	22	14
<i>c Current Ratio (Current Assets / Current Liabilities)</i>	1.3	1.8	1.4	1.1
3 Coverages				
<i>a EBITDA / Finance Cost</i>	39.0	82.3	64.9	7.1
<i>b FCFO / Finance Cost+CMLTB+Excess STB</i>	31.9	53.6	53.2	5.6
<i>c Debt Payback (Total Borrowings+Excess STB) / (FCFO-Finance Cost)</i>	0.0	0.0	0.0	0.0
4 Capital Structure				
<i>a Total Borrowings / (Total Borrowings+Shareholders' Equity)</i>	12.8%	21.9%	0.1%	15.7%
<i>b Interest or Markup Payable (Days)</i>	109.7	85.2	37.3	56.3
<i>c Entity Average Borrowing Rate</i>	18.9%	7.0%	11.9%	9.6%

Credit Rating

Credit rating reflects forward-looking opinion on credit worthiness of underlying entity or instrument; more specifically it covers relative ability to honor financial obligations. The primary factor being captured on the rating scale is relative likelihood of default.

Scale	Long-term Rating Definition
AAA	Highest credit quality. Lowest expectation of credit risk. Indicate exceptionally strong capacity for timely payment of financial commitments
AA+	
AA	Very high credit quality. Very low expectation of credit risk. Indicate very strong capacity for timely payment of financial commitments. This capacity is not significantly vulnerable to foreseeable events.
AA-	
A+	
A	High credit quality. Low expectation of credit risk. The capacity for timely payment of financial commitments is considered strong. This capacity may, nevertheless, be vulnerable to changes in circumstances or in economic conditions.
A-	
BBB+	Good credit quality. Currently a low expectation of credit risk. The capacity for timely payment of financial commitments is considered adequate, but adverse changes in circumstances and in economic conditions are more likely to impair this capacity.
BBB	
BBB-	
BB+	Moderate risk. Possibility of credit risk developing. There is a possibility of credit risk developing, particularly as a result of adverse economic or business changes over time; however, business or financial alternatives may be available to allow financial commitments to be met.
BB	
BB-	
B+	
B	High credit risk. A limited margin of safety remains against credit risk. Financial commitments are currently being met; however, capacity for continued payment is contingent upon a sustained, favorable business and economic environment.
B-	
CCC	Very high credit risk. Substantial credit risk "CCC" Default is a real possibility. Capacity for meeting financial commitments is solely reliant upon sustained, favorable business or economic developments. "CC" Rating indicates that default of some kind appears probable. "C" Ratings signal imminent default.
CC	
C	
D	Obligations are currently in default.

Scale	Short-term Rating Definition
A1+	The highest capacity for timely repayment.
A1	A strong capacity for timely repayment.
A2	A satisfactory capacity for timely repayment. This may be susceptible to adverse changes in business, economic, or financial conditions.
A3	An adequate capacity for timely repayment. Such capacity is susceptible to adverse changes in business, economic, or financial conditions.
A4	The capacity for timely repayment is more susceptible to adverse changes in business, economic, or financial conditions. Liquidity may not be sufficient.



*The correlation shown is indicative and, in certain cases, may not hold.

Outlook (Stable, Positive, Negative, Developing) Indicates the potential and direction of a rating over the intermediate term in response to trends in economic and/or fundamental business/financial conditions. It is not necessarily a precursor to a rating change. 'Stable' outlook means a rating is not likely to change. 'Positive' means it may be raised. 'Negative' means it may be lowered. Where the trends have conflicting elements, the outlook may be described as 'Developing'.

Rating Watch Alerts to the possibility of a rating change subsequent to, or, in anticipation of some material identifiable event with indeterminable rating implications. But it does not mean that a rating change is inevitable. A watch should be resolved within foreseeable future, but may continue if underlying circumstances are not settled. Rating watch may accompany rating outlook of the respective opinion.

Suspension It is not possible to update an opinion due to lack of requisite information. Opinion should be resumed in foreseeable future. However, if this does not happen within six (6) months, the rating should be considered withdrawn.

Withdrawn A rating is withdrawn on a) termination of rating mandate, b) the debt instrument is redeemed, c) the rating remains suspended for six months, d) the entity/issuer defaults, or/and e) PACRA finds it impractical to surveil the opinion due to lack of requisite information.

Harmonization A change in rating due to revision in applicable methodology or underlying scale.

Surveillance. Surveillance on a publicly disseminated rating opinion is carried out on an ongoing basis till it is formally suspended or withdrawn. A comprehensive surveillance of rating opinion is carried out at least once every six months. However, a rating opinion may be reviewed in the intervening period if it is necessitated by any material happening.

Note. This scale is applicable to the following methodology(s):

- a) Broker Entity Rating
- b) Corporate Rating
- c) Debt Instrument Rating
- d) Financial Institution Rating
- e) Holding Company Rating
- f) Independent Power Producer Rating
- g) Microfinance Institution Rating
- h) Non-Banking Finance Companies Rating

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- ii. PACRA, the analysts involved in the rating process and members of its rating committee, and their family members, do not have any conflict of interest relating to the rating done by them | Chapter III; 12-2-(e) & (k)
- iii. The analyst is not a substantial shareholder of the customer being rated by PACRA [Annexure F; d-(ii)] Explanation: for the purpose of above clause, the term "family members" shall include only those family members who are dependent on the analyst and members of the rating committee

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- (5) PACRA does not make proposals or recommendations regarding the activities of rated entities that could impact a credit rating of entity subject to rating | Chapter III; 10-7-(k)

Conduct of Business

- (6) PACRA fulfills its obligations in a fair, efficient, transparent and ethical manner and renders high standards of services in performing its functions and obligations; | Chapter III; 11-A-(a)
- (7) PACRA uses due care in preparation of this Rating Report. Our information has been obtained from sources we consider to be reliable but its accuracy or completeness is not guaranteed. PACRA does not, in every instance, independently verifies or validates information received in the rating process or in preparing this Rating Report | Clause 11-(A)(p).
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- (12) PACRA receives compensation from the entity being rated or any third party for the rating services it offers. The receipt of this compensation has no influence on PACRA's opinions or other analytical processes. In all instances, PACRA is committed to preserving the objectivity, integrity and independence of its ratings. Our relationship is governed by two distinct mandates i) rating mandate - signed with the entity being rated or issuer of the debt instrument, and fee mandate - signed with the payer, which can be different from the entity
- (13) PACRA does not provide consultancy/advisory services or other services to any of its customers or to any of its customers' associated companies and associated undertakings that is being rated or has been rated by it during the preceding three years unless it has adequate mechanism in place ensuring that provision of such services does not lead to a conflict of interest situation with its rating activities; | Chapter III; 12-2-(d)
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- (18) PACRA monitors all the outstanding ratings continuously and any potential change therein due to any event associated with the issuer, the security arrangement, the industry etc., is disseminated to the market, immediately and in effective manner, after appropriate consultation with the entity/issuer; | Chapter III | 17-(a)
- (19) PACRA reviews all the outstanding ratings periodically, on annual basis; Provided that public dissemination of annual review and, in an instance of change in rating will be made; | Chapter III | 17-(b)
- (20) PACRA initiates immediate review of the outstanding rating upon becoming aware of any information that may reasonably be expected to result in downgrading of the rating; | Chapter III | 17-(c)
- (21) PACRA engages with the issuer and the debt securities trustee, to remain updated on all information pertaining to the rating of the entity/instrument; | Chapter III | 17-(d)

Probability of Default

(22) PACRA's Rating Scale reflects the expectation of credit risk. The highest rating has the lowest relative likelihood of default (i.e., probability). PACRA's transition studies capture the historical performance behavior of a specific rating notch. Transition behavior of the assigned rating can be obtained from PACRA's Transition Study available at our website. (www.pacra.com). However, actual transition of rating may not follow the pattern observed in the past; | Chapter III | 14-3(f)(vii)

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