

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM F-3

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

Sentage Holdings Inc.

(Exact name of registrant as specified in its charter)

Cayman Islands

(State or other jurisdiction of
incorporation or organization)

Not Applicable

(I.R.S. Employer
Identification Number)

**501, Platinum Tower 233 Taicang Road
HuangPu, Shanghai City
People's Republic of China
+86-21 5386 0209**

(Address and telephone number of Registrant's principal executive offices)

**Cogency Global Inc.
122 East 42nd Street, 18th Floor
New York, NY 10168
800-221-0102**

(Name, address, and telephone number of agent for service)

With a Copy to:

**Ying Li, Esq.
Hunter Taubman Fischer & Li, LLC
950 Third Avenue, 19th Floor
New York, NY 10022
212- 530-2206**

Approximate date of commencement of proposed sale to the public: From time to time after the effective date of the registration statement.

If only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, check the following box.

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a registration statement pursuant to General Instruction I.C. or a post-effective amendment thereto that shall become effective upon filing with the U.S. Securities and Exchange Commission pursuant to Rule 462(e) under the Securities Act, check the following box.

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.C. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box.

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933.

Emerging growth company

If an emerging growth company that prepares its financial statements in accordance with U.S. GAAP, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act.

The Registrant hereby amends this registration statement on such date or dates as may be necessary to delay its effective date until the Registrant shall file a further amendment that specifically states that this registration statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act, or until this registration statement shall become effective on such date as the U.S. Securities and Exchange Commission, acting pursuant to said Section 8(a), may determine.

The information in this prospectus is not complete and may be changed. We may not sell the securities until the registration statement filed with the U.S. Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities and it is not soliciting any offer to buy these securities in any jurisdiction where such offer or sale is not permitted.

SUBJECT TO COMPLETION, DATED JULY 19, 2024

PROSPECTUS

\$60,000,000 of
Class A Ordinary Shares
Debt Securities
Warrants
Rights
and
Units



Sentage Holdings Inc.

This is an offering of the securities of Sentage Holdings Inc., a Cayman Islands exempted company. We may, from time to time, in one or more offerings, offer and sell up to \$60,000,000 of our Class A ordinary shares of par value US\$0.005 each (the “Class A Ordinary Shares,” together with our Class B ordinary shares of par value US\$0.005 each, being the “Class B Ordinary Shares,” are collectively referred to herein as the “Ordinary Shares”), debt securities, warrants, rights, and units, or any combination thereof, together or separately as described in this prospectus. In this prospectus, references to the term “securities” refers, collectively, to our Class A Ordinary Shares, debt securities, warrants, rights, and units. The prospectus supplement for each offering of securities will describe in detail the plan of distribution for that offering. For general information about the distribution of the securities offered, please see “*Plan of Distribution*” in this prospectus.

This prospectus provides a general description of the securities we may offer. We will provide the specific terms of the securities offered in one or more supplements to this prospectus. We may also authorize one or more free writing prospectuses to be provided to you in connection with these offerings. You should read this prospectus, any prospectus supplement, and any free writing prospectus before you invest in any of our securities. The prospectus supplement and any related free writing prospectus may add, update, or change information in this prospectus. You should read carefully this prospectus, the applicable prospectus supplement, and any related free writing prospectus, as well as the documents incorporated or deemed to be incorporated by reference, before you invest in any of our securities. This prospectus may not be used to offer or sell any securities unless accompanied by the applicable prospectus supplement.

Our Class A Ordinary Shares are listed on the Nasdaq Capital Market, or “Nasdaq,” under the symbol “SNTG.” On July 15, 2024, the last reported sale price of our Class A Ordinary Shares on Nasdaq was \$2.51 per share. The aggregate market value of our outstanding Class A Ordinary Shares held by non-affiliates, or public float, as of July 15, 2024, was approximately \$2.20 million, which was calculated based on 877,325 Class A Ordinary Shares held by non-affiliates and the price of \$2.51 per share, which was the closing price of our Class A Ordinary Shares on Nasdaq on July 15, 2024. Pursuant to General Instruction I.B.5 of Form F-3, in no event will we sell our securities in a public primary offering with a value exceeding more than one-third of our public float in any 12-month period so long as our public float remains below \$75 million. During the 12 calendar months prior to and including the date of this prospectus, we have not offered or sold any securities pursuant to General Instruction I.B.5 of Form F-3.

Investing in our securities involves a high degree of risk. Before making an investment decision, please read the information under the heading “*Risk Factors*” beginning on page 15 of this prospectus and risk factors set forth in our most recent annual report on Form 20-F (the “2023 Annual Report”), in other reports incorporated herein by reference, and in an applicable prospectus supplement.

We may offer and sell the securities from time to time at fixed prices, at market prices, or at negotiated prices, to or through underwriters, to other purchasers, through agents, or through a combination of these methods. If any underwriters are involved in the sale of any securities with respect to which this prospectus is being delivered, the names of such underwriters and any applicable commissions or discounts will be set forth in a prospectus supplement. The offering price of such securities and the net proceeds we expect to receive from such sale will also be set forth in a prospectus supplement. See “*Plan of Distribution*” elsewhere in this prospectus for a more complete description of the ways in which the securities may be sold.

We are a holding company incorporated in the Cayman Islands with no material operations of our own. We are not a Chinese operating company. Investors of our Ordinary Shares do not own any equity interests in the VIEs (defined below), but instead own shares of a Cayman Islands holding company. Unless otherwise stated, as used in this prospectus and in the context of describing our operations and consolidated financial information, “we,” “us,” the “Company,” “Sentage Holdings”, or “our company” refers to Sentage Holdings Inc., a Cayman Islands exempted company. “Sentage HK” are to Sentage Hong Kong Limited, a Hong Kong corporation, which is a wholly owned subsidiary of Sentage Holdings. “WFOE” are to Shanghai Santeng Technology Co., Ltd., a limited liability company organized under the laws of the PRC, which is wholly owned by Sentage HK. “Sentage Operating Companies” or the “VIEs” refer, collectively, to Daxin Wealth Investment Management (Shanghai) Co., Ltd. (“Daxin Wealth”), Daxin Zhuohui Financial Information Services (Shanghai) Co., Ltd. (“Daxin Zhuohui”), Qingdao Buytop Payment Services Co., Ltd. (“Qingdao Buytop”), and Zhenyi Information Technology (Shanghai) Co., Ltd. (“Zhenyi”), and their subsidiaries, all of which are limited liability companies organized under the laws of the Peoples Republic of China (the “PRC”). “PRC operating entities” are to Sentage WFOE and the Sentage Operating Companies, collectively.

We do not have any equity interests in the Sentage Operating Companies, but consolidate their financial results in accordance with U.S. GAAP because we are deemed to have effective control over and be the primary beneficiary of these companies, for accounting purposes only, via a series of contractual agreements, or the “VIE Agreements,” among Sentage WFOE (defined below), the Sentage Operating Companies and their respective shareholders. However, the VIE Agreements have not been tested in a court of law in China as of the date of this prospectus, and, as a result, we are subject to various risks. As advised by our PRC counsel, Beijing Dacheng Law Offices, LLP (Fuzhou) (“Dacheng”), the VIE structure is not used to provide contractual exposure to foreign investment in China-based companies where Chinese law prohibits direct foreign investment in the operating companies; rather, we use the VIE structure because the Chinese laws and regulations affecting Sentage Operating Companies’ businesses are vague and unclear. Sentage Operating Companies engage in (i) consumer loan repayment and collection management services, (ii) loan recommendation services, and (iii) prepaid payment network services. According to “Administrative Measures of People’s Bank of China on Payment Services Provided by Non-financial Institutions” (“Order 2”) and “People’s Bank of China Announcement [2018] No. 7—Announcement on Matters Relating to Foreign-funded Payment Organizations” (“Announcement No. 7”), those who engage in prepaid network services business within China need to go through a special legal approval procedure to obtain third-party payment licenses. Although the People’s Bank of China has loosened the requirements for foreign-invested enterprises to hold third-party payment licenses, the review procedure is still very strict in practice. At the same time, Chinese authorities have not yet made it clear whether to permit or prohibit foreign-invested enterprises to engage in prepaid network services, loan collection management and loan recommendation services, and there is a risk that Chinese authorities may prohibit direct foreign investment of such businesses.

Investors may never directly hold equity interests in the VIEs. If the PRC government finds that the contractual arrangements which establish the structure of our business operations do not comply with PRC laws and regulations, or if these regulations or their interpretations change in the future, we could be subject to severe penalties or be forced to relinquish our interests in those operations, which would result in the VIEs being deconsolidated. A majority of our assets, including the necessary licenses to conduct business, are held by the VIEs and their subsidiaries. Substantially all of our revenue is generated by the VIEs. The deconsolidation of the VIEs would have a material adverse effect on our operations and substantially diminish the value of our Ordinary Shares. There are uncertainties about potential future actions by the PRC government that could affect the enforceability of our contractual arrangements with the VIEs and, consequently, significantly affect our financial performance. The value of the Ordinary Shares may significantly decline or become worthless as a result. For details of the VIE Agreements, see “Introduction—The VIE Agreements” in the 2023 Annual Report, and for the risks associated with the VIE Agreements and the VIE structure, see “Item 3. Key Information—D. Risk Factors—Risks Related to Our Corporate Structure” in the 2023 Annual Report.

We face various legal and operational risks and uncertainties associated with having substantially all of our operations in China and with the complex and evolving PRC laws and regulations, and as a result these risks may result in material changes in the operations of our subsidiaries, the VIEs, and their subsidiaries, significant depreciation or a complete loss of the value of our Ordinary Shares, or a complete hindrance of our ability to offer, or continue to offer, our securities to investors. See “Item 3. Key Information—D. Risk Factors—Risk Factors—Risks Related to Doing Business in China—The Chinese government exerts substantial influence over the manner in which we must conduct our business, and may intervene or influence our operations at any time, which could result in a material change in our operations, significantly limit or completely hinder our ability to offer or continue to offer securities to investors, and cause the value of our Ordinary Shares to significantly decline or be worthless” in the 2023 Annual Report. For example, we face risks associated with PRC governmental authorities’ significant oversight and discretion over the businesses and financing activities of the VIEs, the requirement of regulatory approvals for offerings and listings conducted overseas and foreign investment in China-based issuers, the use of VIEs, the enforcement of anti-monopoly regime, the regulatory oversight on cybersecurity and data privacy as well as the risk of delisting if the PCAOB is unable to conduct inspection on our auditors, which may impact our ability to conduct certain businesses, accept foreign investments, or continue to list on a United States or other foreign exchange. These risks could result in a material adverse change in our operations and the value of our Ordinary Shares, significantly limit or completely hinder our ability to offer or continue to offer such securities to investors, or cause the value of such securities to significantly decline. For a detailed description of risks related to doing business in China, see “Item 3. Key Information—D. Risk Factors—Risk Factors—Risks Related to Doing Business in China” in the 2023 Annual Report.

Recently, the PRC government adopted a series of regulatory actions and issued statements to regulate business operations in China with little advance notice, including cracking down on illegal activities in the securities market, adopting new measures to extend the scope of cybersecurity reviews, and expanding the efforts in anti-monopoly enforcement. As of the date of this prospectus, none of the Company, our subsidiaries, nor the VIEs and their subsidiaries have been involved in any investigation or cybersecurity review initiated by any PRC regulatory authority, nor has any of them received any inquiry, notice, or sanction related to cybersecurity review under the Cybersecurity Review Measures.

On December 28, 2021, 13 governmental departments of the PRC, including the Cyberspace Administration of China (the “CAC”), issued the Cybersecurity Review Measures, which became effective on February 15, 2022. The Cybersecurity Review Measures provide that an online platform operator which possesses the personal information of at least one million users must apply for a cybersecurity review by the CAC if it intends to be listed in foreign countries. As advised by our PRC counsel, Dacheng, the operations of the PRC operating entities, our continued listing, and this offering will not be affected and that we will not be subject to cybersecurity review by the CAC, given that the PRC operating entities (i) possess personal data of fewer than one million individual clients; (ii) do not collect data that affects or may affect national security in their business operations, as of the date of this prospectus; and (iii) do not anticipate that they will be collecting over one million users’ personal information or data that affect or may affect national security in the near future.

On July 7, 2022, the CAC published the Measures for the Security Assessment of Outbound Data Transfer (《数据出境安全评估办法》), which became effective on September 1, 2022. The measures apply to the security assessment of important data and personal information collected and generated during operation within the territory of the People’s Republic of China and transferred abroad by a data handler. According to the Measures, a data handler shall file with the State Cyberspace Administration for security assessment via the Province Cyberspace Administration, if a data handler transfers data abroad under any of the following circumstances: (i) a data handler who transfers important data abroad; (ii) a critical information infrastructure operator, or a data handler processing the personal information of more than one million individuals transfers personal information to abroad; (iii) since January 1 of the previous year, a data handler cumulatively transferred abroad personal information of more than 100,000 individuals, or the sensitive personal information of more than 10,000 individuals; or (iv) any other circumstances where the security assessment for the outbound data transfer is required by the State Cyberspace Administration. As advised by our PRC counsel, Dacheng, since none of our PRC operating entities is a data handler that transfers data abroad under any of the aforementioned circumstances, the operations of the PRC operating entities, our continued listing, and this offering are not affected by the Measures for the Security Assessment of Outbound Data Transfer.

On February 17, 2023, the CSRC promulgated the Trial Administrative Measures of Overseas Securities Offering and Listing by Domestic Companies, or the “Trial Measures,” and five supporting guidelines (collectively, the “Overseas Listings Rules”), which came into effect on March 31, 2023. On the same date of the issuance of the Overseas Listings Rules, the CSRC circulated No.1 to No.5 Supporting Guidance Rules, the Notes on the Overseas Listings Rules, the Notice on Administration Arrangements for the Filing of Overseas Listings by Domestic Enterprises and the relevant CSRC Answers to Reporter Questions on the official website of CSRC, or collectively, the Guidance Rules and Notice. The Overseas Listings Rules, together with the Guidance Rules and Notice, reiterate the basic supervision principles as reflected in the Administration Provisions and Measures by providing substantially the same requirements for filings of overseas offering and listing by domestic companies. Under the Overseas Listings Rules and the Guidance Rules and Notice, domestic companies conducting overseas securities offering and listing activities, either in direct or indirect form, shall complete filing procedures with the CSRC pursuant to the requirements of the Trial Measures within three working days following submission of initial public offerings or listing applications. If a domestic company fails to complete required filing procedures or conceals any material facts or falsifies any major content in its filing documents, such domestic company may be subject to administrative penalties, such as an order to rectify, warnings, and fines, and its controlling shareholders, actual controllers, and the person directly in charge and other directly liable persons may also be subject to administrative penalties, such as warnings and fines. According to the Notice on the Administrative Arrangements for the Filing of the Overseas Securities Offering and Listing by Domestic Companies from the CSRC, or “the CSRC Notice,” domestic companies that have already been listed overseas before the effective date (March 31, 2023) of the Trial Measures shall be deemed to be existing issuers (the “Existing Issuers”). Existing Issuers are not required to complete the filing procedures for overseas listing immediately, but are required to file with the CSRC for any subsequent offerings. As advised by our PRC counsel, Dacheng, we are required to complete the filing procedures with the CSRC for this offering within three working days following the completion of this offering. We plan to file with the CSRC as required, however, we cannot assure you that we will be able to receive clearance of such compliance requirement in a timely manner, or at all. Any failure by us to fully comply with new regulatory requirements may subject us to regulatory actions, such as warnings and fines, which may significantly limit or completely hinder our ability to offer or continue to offer our securities to investors and could cause the value of our securities to significantly decline or become worthless. See “Item 3. Key Information—D. Risk Factors—Risks Related to Doing Business in the PRC—The Trial Measures and other relevant rules promulgated by the CSRC may subject us to additional compliance requirements in the future” in the 2023 Annual Report.

Other than filing procedures with the CSRC pursuant to the Trial Measures and supporting guidelines, as of the date of this prospectus, according to our PRC counsel, Dacheng, no relevant laws or regulations in the PRC explicitly require us to seek approval from the CSRC or any other PRC governmental authorities for this offering. As of the date of this prospectus, neither we nor the PRC operating entities (defined below) have received any inquiry, notice, warning, or sanctions regarding our overseas listing from the CSRC or any other PRC governmental authorities.

As uncertainties remain regarding the interpretation and implementation of these laws and regulations, we cannot assure you that we will be able to comply with such regulations in all respects, and we may be ordered to rectify or terminate any actions that are deemed illegal by regulatory authorities. We may also become subject to fines and/or other sanctions and the costs of compliance with, and other burdens imposed by, such laws and regulations may limit the use and adoption of our products, which may have material adverse effects on our business, operations, and financial condition.

In the event that (i) the PRC government expands the categories of industries and companies whose foreign securities offerings are subject to review by the CSRC or the CAC and we, therefore, are required to obtain such permissions or approvals; or (ii) we inadvertently concluded that relevant permissions or approvals were not required or that we did not receive or maintain relevant permissions or approvals required, any action taken by the PRC government could significantly limit or completely hinder our operating entities' operations in the PRC and our ability to offer or continue to offer our securities to investors and could cause the value of such securities to significantly decline or be worthless. It is highly uncertain what the potential impact any new laws and regulations will have on the daily business operations of our subsidiaries and the VIEs and their subsidiaries, our ability to accept foreign investments, and our listing on a U.S. exchange. See *“Item 3. Key Information—D. Risk Factors—Risks Relating to Doing Business in China—Recent greater oversight by the Cyberspace Administration of China (“CAC”) over data security, particularly for companies seeking to list on a foreign exchange, could adversely impact our business”* and *“Item 3. Key Information—D. Risk Factors—Risks Related to Doing Business in China—Changes in China’s economic, political, or social conditions or government policies could have a material adverse effect on the operating entities’ business and operations”* in the 2023 Annual Report.

As a holding company, we conduct our operations in China through the VIEs in China. In addition, some of our senior executive officers and directors, namely Qiaoling Lu, Jianhu Chen, Yiheng Guo, Shengsong Wang, reside in the PRC for a significant portion of the time and are PRC nationals. As a result, it may be difficult to effect service of process upon those persons. It may be difficult to enforce judgements obtained in U.S. courts based on civil liability provisions of the U.S. federal securities laws against us and our officers and directors, as none of them currently resides in the U.S. or has substantial assets in the U.S. In addition, there is uncertainty as to whether the courts of the Cayman Islands or the PRC would recognize or enforce judgments of U.S. courts against us or such persons predicated upon the civil liability provisions of the securities laws of the U.S. or any state. See *“Item 3. Key Information—D. Risk Factors—Risks Related to Doing Business in China—You may experience difficulties in effecting service of legal process, enforcing foreign judgments, or bringing actions in China against us or our management named in this annual report based on foreign laws”* in the 2023 Annual Report.

In addition, trading in our securities may be prohibited under the Holding Foreign Companies Accountable Act if the PCAOB determines that it cannot inspect our auditor, and as a result, an exchange may determine to delist our securities. On June 22, 2021, the U.S. Senate passed the Accelerating Holding Foreign Companies Accountable Act, and on December 29, 2022, the Consolidated Appropriations Act 2023 was signed into law, which contained, among other things, an identical provision to the Accelerating Holding Foreign Companies Accountable Act, which reduces the number of consecutive non-inspection years required for triggering the prohibitions under the Holding Foreign Companies Accountable Act from three years to two years. Our auditor, Enrome LLP, is headquartered in Singapore. As an auditor of companies that are traded publicly in the U.S. and a firm registered with the PCAOB, our auditor is subject to laws in the U.S. and PCAOB’s inspection. However, these developments have added uncertainties to our continued listing and we cannot assure you whether Nasdaq or other regulatory authorities would apply additional and more stringent criteria to us after considering the effectiveness of our auditor’s audit procedures and quality control procedures, adequacy of personnel and training, or sufficiency of resources, geographic reach or experience as related to the audit of our financial statements. Furthermore, there is a risk that our auditor cannot be inspected by the PCAOB in the future. The lack of inspection could cause trading in our securities to be prohibited on a national exchange or in the over-the-counter trading market under the Holding Foreign Companies Accountable Act, and, as a result, Nasdaq may determine to delist our securities, which may cause the value of our securities to decline or become worthless. See *“Item 3. Key Information—D. Risk Factors—Risks Related to Our Class A Ordinary Shares and the Trading Market—The recent joint statement by the SEC and the PCAOB, rule changes by Nasdaq, and the Holding Foreign Companies Accountable Act and related regulations, all call for additional and more stringent criteria to be applied to emerging market companies upon assessing the qualification of their auditors, especially the non-U.S. auditors who are not inspected by the PCAOB. These developments could add uncertainties to our continued listing or future offerings of our securities in the U.S.”* in the 2023 Annual Report.

As of the date of this prospectus, Qiaoling Lu, our chief executive officer, director, and the chairperson of the board of directors of the Company, beneficially owns 1,650,000, or 58.93%, of our Class A Ordinary Shares through Unit Giant Limited, a British Virgin Islands company, which is 100% owned by Qiaoling Lu. As a result, Qiaoling Lu owns more than a majority of the aggregate voting power of our issued and outstanding Ordinary Shares. As such, we are a “controlled company” under Nasdaq Listing Rule 5615 and are allowed to follow certain exemptions afforded to a “controlled company” under the Nasdaq Listing Rules. However, we do not intend to avail ourselves of such corporate governance exemptions.

We are both an “emerging growth company” and a “foreign private issuer” as defined under applicable U.S. securities laws and are eligible for reduced public company reporting requirements. See “Item 3. Key Information—D. Risk Factors—Risks Related to Our Ordinary Shares—If we fail to implement and maintain an effective system of internal controls, we may be unable to accurately or timely report the results of operations or prevent fraud, and investor confidence and the market price of our securities may be materially and adversely affected,” “Item 3. Key Information—D. Risk Factors—Risks Related to Our Ordinary Shares—We have elected to use the extended transition period for complying with new or revised accounting standards under Section 102(b)(1) of the JOBS Act, and as a result of this election, our financial statements may not be comparable to companies that comply with public company effective dates,” and “Item 3. Key Information—D. Risk Factors—Risks Related to Our Ordinary Shares—We are a foreign private issuer within the meaning of the rules under the Exchange Act, and as such we are exempt from certain provisions applicable to United States domestic public companies.” in the 2023 Annual Report.

Under existing PRC foreign exchange regulations, payment of current account items, such as profit distributions and trade and service-related foreign exchange transactions, can be made in foreign currencies without prior approval from the State Administration of Foreign Exchange, or the SAFE, by complying with certain procedural requirements. Therefore, our PRC subsidiary is able to pay dividends in foreign currencies to us without prior approval from the SAFE, subject to the condition that the remittance of such dividends outside of the PRC complies with certain procedures under PRC foreign exchange regulations, such as the overseas investment registrations by our shareholders or the ultimate shareholders of our corporate shareholders who are PRC residents. Approval from, or registration with, appropriate government authorities is, however, required where the RMB is to be converted into foreign currency and remitted out of China to pay capital expenses such as the repayment of loans denominated in foreign currencies. The PRC government may also at its discretion restrict access in the future to foreign currencies for current account transactions. Current PRC regulations permit WFOE to pay dividends to the Company only out of its accumulated profits, if any, determined in accordance with Chinese accounting standards and regulations. As of the date of this prospectus, there are no restrictions or limitations imposed by the Hong Kong government on the transfer of capital within, into and out of Hong Kong (including funds from Hong Kong to the PRC), except for the transfer of funds involving money laundering and criminal activities. See “Item 3. D. Risk Factors—Risks Related to Doing Business in China—To the extent cash or assets of our business, or of the PRC Operating Entities, is in PRC or Hong Kong, such cash or assets may not be available to fund operations or for other use outside of the PRC or Hong Kong, due to interventions in or the imposition of restrictions and limitations by the PRC government to the transfer of cash or assets.” in the 2023 Annual Report.

As of the date of this prospectus, there are no dividends distributed between the holding company and its subsidiaries and consolidated VIEs or to investors. As of the date of this prospectus, the VIEs have not distributed any earnings or settled any amounts owed under the VIE Agreements, nor are there any plans to distribute earnings or settle amounts owed under the VIE Agreements in the foreseeable future. As such, we have not requested approval to transfer cash to WFOE or to entities outside of China. Under Cayman Islands law, a Cayman Islands company may pay a dividend on its shares out of either profits or share premium amounts, provided that in no circumstances may a dividend be paid if this would result in the company being unable to pay its debts as they become due in the ordinary course of business. We intend to keep any future earnings to finance the expansion of our business, and we do not anticipate that any cash dividends will be paid in the foreseeable future, or any funds will be transferred from one entity to another on a regular basis. As such, as of the date of this prospectus, we have not installed any cash management policies that dictate how funds are transferred among Sentage Holdings, its subsidiaries, or investors.

Neither the U.S. Securities and Exchange Commission nor any state securities commission nor any other regulatory body has approved or disapproved of these securities or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

The date of this prospectus is July [●], 2024.

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ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement that we filed with the SEC utilizing a “shelf” registration process. Under this shelf registration process, we may, from time to time, sell the securities described in this prospectus in one or more offerings, up to a total offering amount of \$60,000,000.

This prospectus provides you with a general description of the securities we may offer. This prospectus and any accompanying prospectus supplement do not contain all the information included in the registration statement. We have omitted parts of the registration statement in accordance with the rules and regulations of the SEC. Statements in this prospectus and any accompanying prospectus supplement about the provisions or contents of any agreement or other documents are not necessarily complete. If the SEC rules and regulations require that an agreement or other document be filed as an exhibit to the registration statement, please see that agreement or document for a complete description of the matters. You should read this prospectus, any prospectus supplement and the related exhibits filed with the SEC or other offering materials together with additional information described under the headings “*Where You Can Find Additional Information*” and “*Incorporation of Documents by Reference*” before investing in any of the securities offered.

Each time we sell securities under this shelf registration, we will provide a prospectus supplement that will contain certain specific information about the terms of that offering, including a description of any risks related to the offering. A prospectus supplement may also add, update, or change information contained in this prospectus (including documents incorporated herein by reference). If there is any inconsistency between the information in this prospectus and the applicable prospectus supplement, you should rely on the information in the prospectus supplement.

The information in this prospectus is accurate as of the date on the front cover. The information incorporated by reference into this prospectus is accurate as of the date of the document from which the information is incorporated. You should not assume that the information contained in this prospectus is accurate as of any other date. You should assume that the information in this prospectus, any applicable prospectus supplement or any related free writing prospectus is accurate only as of the date on the front of the document and that any information incorporated by reference is accurate only as of the date of the document incorporated by reference, regardless of the time of delivery of this prospectus, any applicable prospectus supplement or any related free writing prospectus, or any sale of a security, unless we indicate otherwise. Our business, financial condition, results of operations and/or prospects may have changed since those dates.

You should rely only on the information provided or incorporated by reference in this prospectus or in the prospectus supplement. We have not authorized anyone to provide you with additional or different information. This document may only be used where it is legal to sell these securities.

COMMONLY USED DEFINED TERMS

Unless otherwise indicated or the context requires otherwise, references in this prospectus or in a prospectus supplement to:

- “Articles” or “articles” are to the Companies’ amended and restated articles of association;
- “China” or the “PRC” are to the People’s Republic of China;
- “Class A Ordinary Shares” or “Class A ordinary shares” are to the Class A ordinary shares of the Company, par value \$0.005 per share;
- “Class B Ordinary Shares” or “Class B ordinary shares” are to the Class B ordinary shares of the Company, par value \$0.005 per share;
- “Code” are to the U.S. Internal Revenue Code of 1986, as amended;
- “Companies Act” are to the Companies Act (Revised) of the Cayman Islands;
- “RMB” and “Renminbi” are to the legal currency of China;
- “PRC operating entities” are to Sentage WFOE (defined below) and the Sentage Operating Companies (defined below);
- “SEC” are to the U.S. Securities and Exchange Commission;
- “Sentage HK” are to Sentage Hong Kong Limited, a Hong Kong corporation, which is a wholly owned subsidiary of Sentage Holdings (defined below);
- “Sentage Holdings”, “we,” “us,” the “Company” or “our company” are to Sentage Holdings Inc., an exempted company with limited liability incorporated and registered under the laws of Cayman Islands;
- “Sentage Operating Companies Shareholders” or “VIEs Shareholders” are to the shareholders of Sentage Operating Companies, or the VIEs;
- “Sentage WFOE” or “WFOE” are to Shanghai Santeng Technology Co., Ltd., a limited liability company organized under the laws of the PRC, which is wholly owned by Sentage HK;
- “shares,” “Shares,” or “Ordinary Shares” are, collectively, to the Class A Ordinary Shares and the Class B Ordinary Shares;
- “US\$,” “U.S. dollars,” and “dollars” are to the legal currency of the United States;
- “U.S. GAAP” are to generally accepted accounting principles in the United States;
- “VIE” are to a variable interest entity; and
- “VIE Agreements” are to a series of contractual agreements among Sentage WFOE, Sentage Operating Companies, and Sentage Operating Companies Shareholders.

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus, an applicable prospectus supplement, and our SEC filings that are incorporated by reference into this prospectus contain or incorporate by reference forward-looking statements within the meaning of Section 27A of the Securities Act of and Section 21E of the Exchange Act. All statements other than statements of historical fact are “forward-looking statements,” including any projections of earnings, revenue or other financial items, any statements of the plans, strategies, and objectives of management for future operations, any statements concerning proposed new projects or other developments, any statements regarding future economic conditions or performance, any statements of management’s beliefs, goals, strategies, intentions, and objectives, and any statements of assumptions underlying any of the foregoing. The words “believe,” “anticipate,” “estimate,” “plan,” “expect,” “intend,” “may,” “could,” “should,” “potential,” “likely,” “projects,” “continue,” “will,” and “would” and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. Forward-looking statements reflect our current views with respect to future events, are based on assumptions, and are subject to risks and uncertainties. We cannot guarantee that we actually will achieve the plans, intentions, or expectations expressed in our forward-looking statements and you should not place undue reliance on these statements. There are a number of important factors that could cause our actual results to differ materially from those indicated or implied by forward-looking statements. These important factors include those discussed under the heading “Risk Factors” contained or incorporated by reference in this prospectus and in the applicable prospectus supplement and any free writing prospectus we may authorize for use in connection with a specific offering. These factors and the other cautionary statements made in this prospectus should be read as being applicable to all related forward-looking statements wherever they appear in this prospectus. Except as required by law, we undertake no obligation to update publicly any forward-looking statements, whether as a result of new information, future events, or otherwise.

PROSPECTUS SUMMARY

Our Corporate Structure

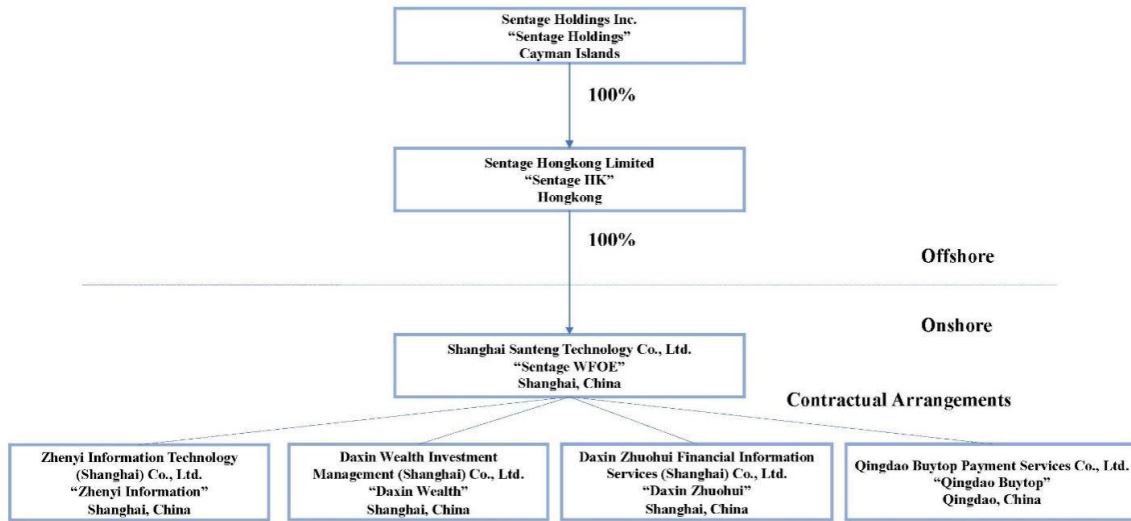
We incorporated Sentage Holdings on September 16, 2019, under the laws of the Cayman Islands. Sentage HK was incorporated on September 25, 2019 in Hong Kong as a wholly owned subsidiary of Sentage Holdings.

On December 17, 2019, Sentage WFOE was incorporated pursuant to PRC laws as a wholly foreign owned enterprise. Sentage HK holds 100% of the equity interests in Sentage WFOE. Due to PRC laws and regulations on foreign ownership and investment in companies that engage in certain businesses including third-party payment services, we conduct our businesses in China through a VIE structure.

We currently operate our business through four Sentage Operating Companies, Daxin Wealth, Daxin Zhuohui, Qingdao Buytop, and Zhenyi, pursuant to a series of contractual arrangements, also known as VIE Agreements, between Sentage WFOE and each of the Sentage Operating Companies. All the Sentage Operating Companies were incorporated as limited companies pursuant to PRC laws. Specifically, Daxin Wealth and Daxin Zhuohui are engaged in the loan repayment and collection management business, Daxin Zhuohui provides loan recommendation services, and Qingdao Buytop provides prepaid payment network services. As of the date of this prospectus, Zhenyi is not engaged in active business operation but is expected to provide us with technical and system development and support in the future.

Qiaoling Lu, Yiheng Guo (a director and a shareholder of the Company), Hua Wang (a beneficial shareholder of the Company), and Jianxiu Li (a beneficial shareholder of the Company), are the controlling shareholders of Daxin Wealth, Daxin Zhuohui, Qingdao Buytop, and Zhenyi.

The following diagram illustrates our corporate structure as of the date of this prospectus.



Ms. Qiaoling Lu (the chairperson of the board of directors, the chief executive officer, and a major shareholder of the Company), Yiheng Guo (a director and a shareholder of the Company), Hua Wang (a beneficial shareholder of the Company), and Jianxiu Li (a beneficial shareholder of the Company), are the controlling shareholders of the following Sentage Operating Companies: (1) Daxin Wealth Investment Management (Shanghai) Co., Ltd. (“Daxin Wealth”), (2) Daxin Zhuohui Financial Information Services (Shanghai) Co., Ltd. (“Daxin Zhuohui”); (3) Qingdao Buytop Payment Services Co., Ltd. (“Qingdao Buytop”); and (4) Zhenyi Information Technology (Shanghai) Co. Ltd (“Zhenyi”).

Daxin Wealth and Daxin Zhuohui are primarily engaged in providing consumer loan repayment and collection management services. Daxin Zhuohui also provides loan recommendation services. Qingdao Buytop is primarily engaged in providing customers with prepaid payment network services. As of the date of this prospectus, Zhenyi is not engaged in active business operation but is expected to provide us with technical and system development and support in the future.

The VIE Agreements

Neither we nor our subsidiaries own any equity interest in any of the Sentage Operating Companies. Instead, we control and receive the economic benefits of each of the Sentage Operating Companies' business operation through a series of VIE Agreements. Sentage WFOE, three of the Sentage Operating Companies (Daxin Wealth, Daxin Zhuohui, and Qingdao Buytop), and their respective shareholders entered into the VIE Agreements on March 9, 2020. Sentage WFOE, Zhenyi, and Zhenyi's shareholders entered into the VIE Agreements on April 1, 2021.

The VIE structure is not used to provide contractual exposure to foreign investment in China-based companies where Chinese law prohibits direct foreign investment in the operating companies, rather we use the VIE structure because the Chinese laws and regulations affecting Sentage Operating Companies' businesses are vague and unclear. Sentage Operating Companies engage in (i) consumer loan repayment and collection management services, (ii) loan recommendation services, and (iii) prepaid payment network services. According to "Administrative Measures of People's Bank of China on Payment Services Provided by Non-financial Institutions" ("Order 2") and "People's Bank of China Announcement [2018] No. 7 — Announcement on Matters Relating to Foreign-funded Payment Organizations" ("Announcement No. 7"), those who engage in prepaid network services business within China need to go through a special legal approval procedure to obtain third-party payment licenses. Although the People's Bank of China has loosened the requirements for foreign-invested enterprises to hold third-party payment licenses, the review procedure is still very strict in practice. At the same time, Chinese authorities have not yet made it clear whether to permit or prohibit foreign-invested enterprises to engage in prepaid network services, loan collection management and loan recommendation services, and there is a risk that Chinese authorities may prohibit direct foreign investment of such businesses.

Under U.S. GAAP, we are deemed to have a controlling financial interest in, and be the primary beneficiary of, the VIEs for accounting purposes, because such contractual arrangements are designed so that the operations of the VIE are solely for the benefit of WFOE and, ultimately, the Company. As such, we have consolidated the VIE for accounting purposes. The VIE Agreements have not been tested in a court of law and may not be effective in providing control over the VIE, and we are subject to risks due to the uncertainty of the interpretation and application of the laws and regulations of the PRC, regarding the VIE, and the VIE structure, including, but not limited to, regulatory review of overseas listing of PRC companies through a special purpose vehicle, and the validity and enforcement of the contractual arrangements with the VIE. We are also subject to the risk that the PRC government could disallow the VIE structure, which would likely result in a material change in our operations and, as a result, the value of our Ordinary Shares may depreciate significantly or become worthless. See "ITEM 3.C Risk Factors – Risks Related to Our Corporate Structure." of the 2023 Annual Report.

Each of the VIE Agreements is described in detail below.

Exclusive Business Cooperation Agreement

Pursuant to the Exclusive Business Cooperation Agreements between Sentage Operating Company and Sentage WFOE, Sentage WFOE provides Sentage Operating Companies with technical support, intellectual services and other management services relating to its day-to-day business operations and management, on an exclusive basis, utilizing its advantages in technology, human resources, and information. For services rendered to Sentage Operating Companies by Sentage WFOE under the Exclusive Business Cooperation Agreements, Sentage WFOE is entitled to collect a service fee equal to the remaining amount of Sentage Operating Companies' profit before tax after deducting relevant costs and reasonable expenses.

The term of each Exclusive Business Cooperation Agreement remains effective unless the agreement is explicitly terminated by Sentage WFOE through written form or other means specified therein. The Sentage Operating Companies do not have the right to terminate that agreement unilaterally.

Sentage WFOE has absolutely authority relating to the management of the Sentage Operating Companies, including but not limited to decisions with regard to expense, salary raises and bonuses, hiring, firing, and other operational functions. The Exclusive Business Cooperation Agreement does not prohibit related party transactions.

Equity Pledge Agreement

Under the Equity Pledge Agreements among Sentage WFOE and all the shareholders of Sentage Operating Companies (the "Sentage Operating Companies Shareholders"), the Sentage Operating Companies Shareholders pledged all of their respective equity interests in the Sentage Operating Companies to Sentage WFOE to guarantee the performance of the Sentage Operating Companies' obligations under the Exclusive Business Cooperation Agreement, Exclusive Purchase Option Agreement, and Loan Contracts (collectively, the "Transaction Agreements"). Under the terms of the Equity Pledge Agreements, in the event that the Sentage Operating Companies or the Sentage Operating Companies Shareholders breach their respective contractual obligations under the Transaction Agreements, Sentage WFOE, as pledgee, will be entitled to certain rights, including, but not limited to, the right to collect dividends generated by the pledged equity interests. The Sentage Operating Companies Shareholders also agreed that upon occurrence of any event of default, as set forth in the Equity Pledge Agreement, Sentage WFOE is entitled to dispose of the pledged equity interests in accordance with applicable PRC laws. The Sentage Operating Companies Shareholders further agreed not to dispose of the pledged equity interests or take any action that would prejudice Sentage WFOE's interest.

The Equity Pledge Agreements are effective until the latest date of the following: (1) the secured debt in the scope of pledge is paid in full; (2) Sentage WFOE exercises its pledge rights pursuant to provisions and conditions of the Equity Pledge Agreements; and (3) the Sentage Operating Companies Shareholders transfer all the pledged equity interests to the Sentage WFOE according to the Exclusive Purchase Option Agreements, or other entity or individual designated by it.

The purpose of the Equity Pledge Agreements are to (1) guarantee the performance of the Sentage Operating Companies' obligations under the Transaction Agreements, (2) make sure the Sentage Operating Companies Shareholders do not transfer or assign the pledged equity interests, or create or allow any encumbrance that would prejudice Sentage WFOE's interests without Sentage WFOE's prior written consent, and (3) provide Sentage WFOE control over the Sentage Operating Companies. In the event the Sentage Operating Companies breach their contractual obligations under the Transaction Agreements, Sentage WFOE will be entitled to foreclose on the Sentage Operating Companies Shareholders' equity interests in the Sentage Operating Companies and may (1) exercise its option to purchase or designate third parties to purchase part or all of their equity interests in the Sentage Operating Companies and, under such circumstances, Sentage WFOE may terminate the Equity Pledge Agreement and the other VIE Agreements after acquisition of all equity interests in the Sentage Operating Companies or form a new VIE structure with the third parties designated by Sentage WFOE, or (2) dispose of the pledged equity interests and be paid in priority out of proceeds from the disposal, in which the case, the existing VIE structure will be terminated.

Exclusive Purchase Option Agreement

Under the Exclusive Purchase Option Agreements, the Sentage Operating Companies Shareholders irrevocably granted Sentage WFOE (or its designee) an exclusive option to purchase, to the extent permitted under PRC law, once or at multiple times, at any time, part or all of their equity interests in the Sentage Operating Companies or the assets of the Sentage Operating Companies. The option price is the minimum amount to the extent permitted under PRC law.

Under the Exclusive Purchase Agreements, Sentage WFOE may, at any time under any circumstances, purchase or have its designee purchase, at its discretion, to the extent permitted under PRC law, all or part of the Sentage Operating Companies Shareholders' equity interests in the Sentage Operating Companies or the assets of the Sentage Operating Companies. The Exclusive Purchase Agreement, together with the Equity Pledge Agreement, the Exclusive Business Cooperation Agreement, Powers of Attorney, and Loan Contracts, enable Sentage WFOE to exercise effective control over the Sentage Operating Companies.

The Exclusive Purchase Agreements remain effective until all the equity or assets of the Sentage Operating Companies is legally transferred under the name of Sentage WFOE and/or other entity or individual designated by it.

Shareholders' Powers of Attorney

Under each of the Powers of Attorney, the Sentage Operating Companies Shareholders authorized Sentage WFOE to act on their behalf as their exclusive agent and attorney with respect to all rights as shareholders, including, but not limited to: (a) attending shareholders' meetings; (b) exercising all the shareholders' rights, including voting, that shareholders are entitled to under the laws of China and the articles of association of the respective Sentage Operating Company, including but not limited to the sale or transfer or pledge or disposition of shares in part or in whole; and (c) designating and appointing on behalf of shareholders the legal representative, the executive director, supervisor, the chief executive officer, and other senior management members of the Sentage Operating Companies.

The term of each of the Powers of Attorney is the same as the term of the Exclusive Purchase Option Agreement. The Powers of Attorney are each irrevocable and continuously valid from the date of execution of the Powers of Attorney, so long as the Sentage Operating Companies Shareholders are shareholders of the Sentage Operating Companies.

Loan Contracts

Each shareholder of the Sentage Operating Companies has entered into a loan contract with Sentage WFOE, with each contract taking effect from March 9, 2020. Under these loan contracts, Sentage WFOE provided each shareholder of the VIEs with a loan, free of interest, provided that if any of the shareholders of the Sentage Operating Companies fails to pay any sum pursuant to the schedule specified thereunder, default interest shall be calculated at a daily rate of 0.1% until the shareholder fully repays such sum (including the default interest). The proceeds from the loans were used for purposes consented to by Sentage WFOE. The loans can be repaid by transferring each shareholder's respective equity interest in the Sentage Operating Companies pursuant to the Exclusive Purchase Option Agreements. Each of the loan contracts shall remain in effect until the day when Sentage WFOE exercises its exclusive option in accordance with the applicable Exclusive Purchase Option Agreement, unless otherwise terminated by Sentage WFOE when any shareholder of VIEs materially breaches the terms of such loan contracts.

Spousal Consents

The spouse of each of the Sentage Operating Companies Shareholders agreed, via a spousal consent, to the execution of the "Transaction Documents", which collectively include: (a) the Exclusive Purchase Option Agreement entered into with Sentage WFOE and the Sentage Operating Companies; (b) the Equity Pledge Agreement entered into with Sentage WFOE; (c) the Powers of Attorney executed by the Sentage Operating Companies Shareholders, and (d) the Loan Contracts entered into with Sentage WFOE, and the disposal of the equity interests of Sentage Operating Companies held by the Sentage Operating Companies Shareholder and registered in his or her name.

The spouse of each of the individual Sentage Operating Companies Shareholders has further undertaken to not to make any claims in connection with the equity interests of Sentage Operating Companies, which are held by the Sentage Operating Companies Shareholder. The spouse of the Sentage Operating Companies Shareholder confirms that the Sentage Operating Companies Shareholder can perform, amend, or terminate the Transaction Documents without his or her authorization or consent. He or she undertakes to execute all necessary documents and take all necessary actions to ensure appropriate performance of the agreements.

The spouse of each of the individual Sentage Operating Companies Shareholders has also agreed that if he or she obtains any equity interest of Sentage Operating Companies which are held by the Sentage Operating Companies Shareholder for any reasons, he or she shall be bound by the Transaction Documents and the Exclusive Business Cooperation Agreement entered into among Sentage WFOE and the Sentage Operating Companies (as amended time to time) and will comply with the obligations thereunder as a shareholder of the Sentage Operating Companies. For this purpose, upon Sentage WFOE's request, he or she shall sign a series of written documents in substantially the same format and content as the Transaction Documents and Exclusive Business Cooperation Agreement (as amended from time to time).

Risks Associated with Our Corporate Structure and the VIE Agreements

Because we do not hold equity interests in the VIE and its subsidiaries, we are subject to risks and uncertainties of the interpretations and applications of PRC laws and regulations, including, but not limited to, regulatory review of overseas listing of companies in the PRC through special purpose vehicles, and the validity and enforcement of the VIE Agreements. We are also subject to the risks and uncertainties about any future actions of the PRC government in this regard that could disallow the VIE structure, which would likely result in a material change in the VIE's operations, and the value of all the securities we are registering for sale may depreciate significantly or become worthless. The VIE Agreements have not been tested in a court of law in the PRC as of the date of this prospectus. For details, see "*Item 3. KEY INFORMATION—D. Risk Factors—Risks Related to Our Corporate Structure*" of the 2023 Annual Report.

The VIE Agreements may not be as effective as ownership in providing operational control. If we had ownership of the Sentage Operating Companies, we would be able to exercise our rights as a shareholder to effect changes in the board of directors of Sentage Operating Companies, which in turn could effect changes, subject to any applicable fiduciary obligations, at the management level. But under the current contractual arrangements, as a legal matter, if the Sentage Operating Companies and their shareholders fails to perform their obligations under these contractual arrangements, we may have to incur substantial costs and resources to enforce such arrangements and rely on legal remedies under PRC law, including seeking specific performance or injunctive relief and claiming damages, which may not be effective. For example, if the shareholders of the Sentage Operating Companies were to refuse to transfer their equity interest in the Sentage Operating Companies to us or our designee when we exercise the call option pursuant to these contractual arrangements, or if they were otherwise to act in bad faith toward us, then we may have to take legal action to compel them to fulfill their contractual obligations. In addition, even if legal actions are taken to enforce such arrangements, there is uncertainty as to whether the courts of the PRC would recognize or enforce judgments of U.S. courts against us or such persons predicated upon the civil liability provisions of the securities laws of the United States or any state. See "*Item 3. KEY INFORMATION—D. Risk Factors—Risks Relating to Our Corporate Structure—We rely on contractual arrangements with the VIEs and their shareholders for our operations in China, which may not be as effective in providing operational control as direct ownership*" in the 2023 Annual Report.

Business Overview

Through the Sentage Operating Companies, we are a financial service provider that offers a range of financial services across consumer loan repayment and collection management, loan recommendation, and prepaid payment network services in China. Leveraging a deep understanding of the client base, strategic partner relationships, and valuation models and technologies, the Sentage Operating Companies are committed to working with the clients to understand their financial needs and challenges and offering customized services to help them meet their respective objectives.

We currently report our operating revenue from three main revenue streams, namely, (i) consumer loan repayment and collection management service, (ii) loan recommendation service, and (iii) prepaid payment network service.

For fiscal years 2023, 2022 and 2021, our revenue was \$146,554, \$161,372, and \$2,262,449, respectively, and our net loss was \$1,903,277, \$2,561,907, and \$1,093,241, respectively.

Our business is discussed more fully under "*Item 4. Information on the Company—B. Business Overview*" in the 2023 Annual Report.

Summary of Risk Factors

Investing in our securities involves significant risks. You should carefully consider all of the information in this prospectus before making an investment in our securities. Below please find a summary of the principal risks we face, organized under relevant headings. These risks are discussed more fully under "*Item 3. Key Information—D. Risk Factors*" in the 2023 Annual Report.

Risks Related to Our Corporate Structure (for a more detailed discussion, see “Item 3. Key Information—D. Risk Factors—Risks Related to Our Corporate Structure” in the 2023 Annual Report)

We are subject to risks and uncertainties related to our corporate structure, including, but are not limited to, the following:

- If the PRC government finds that the contractual arrangements that establish the structure for our business operations do not comply with applicable PRC laws and regulations, we could be subject to severe penalties or be forced to relinquish our interests in those operations (see page 5 of the 2023 Annual Report);
- We rely on contractual arrangements with the VIEs and their shareholders for our operations in China, which may not be as effective in providing operational control as direct ownership (see page 6 of the 2023 Annual Report);
- Substantial uncertainties exist with respect to the interpretation and implementation of any new PRC laws, rules and regulations relating to foreign investment and how they may impact the viability of our current corporate structure, corporate governance and business operations (see page 6 of the 2023 Annual Report);
- The Sentage Operating Companies Shareholders have potential conflicts of interest with us, which may adversely affect our business and financial condition (see page 7 of the 2023 Annual Report);
- Because we rely on the exclusive business cooperation agreement with each of the Sentage Operating Companies for our revenue, the termination of this agreement would severely and detrimentally affect our continuing business viability under our current corporate structure (see page 7 of the 2023 Annual Report); and
- Because we are a Cayman Island company and all of our business is conducted in the PRC, you may be unable to bring an action against us or our officers and directors or to enforce any judgment you may obtain (see page 7 of the 2023 Annual Report).

Risks Related to Our Business and Industries (for a more detailed discussion, see “Item 3. Key Information—D. Risk Factors—Risks Related to Our Business and Industries” in the 2023 Annual Report)

Risks and uncertainties related to our business and industries include, but are not limited to, the following:

- We have a limited operating history, which makes it difficult to evaluate our future prospects (see page 10 of the 2023 Annual Report);
- The industries we are in are still evolving, which makes it difficult to effectively assess our future prospects (see page 10 of the 2023 Annual Report);
- The financial sector in China is subject to changes in regulations. Non-compliance with new financial regulations or new licensing requirements may materially affect our business operations and financial results (see page 11 of the 2023 Annual Report);
- The wind-down of our past engagements in the consumer loan repayment and collection management business affected our business operation and financial performance, and we may not be able to expand our customer base by collaborating with third-party financial institutions as we have planned (see page 11 of the 2023 Annual Report);
- We operate a socially sensitive business public complaints against the consumer loan repayment and collection management industry generally or against us in particular may materially and adversely affect our business, financial condition and results of operations (see page 11 of the 2023 Annual Report);
- If we fail to maintain collaboration with our funding partners, our reputation, results of operations, and financial condition may be materially and adversely affected (see page 14 of the 2023 Annual Report);
- Fluctuations in interest rates could negatively affect our loan origination volume (see page 15 of the 2023 Annual Report);
- We are dependent on NetsUnion Clearing Corporation, and any changes to its rules or practices could harm our prepaid payment network business (see page 17 of the 2023 Annual Report);
- We may be liable for improper use or appropriation of personal information provided by the customers and any failure to comply with PRC laws and regulations over data security could result in materially adverse impact on our business, results of operations, and our continued listing on Nasdaq (see page 20 of the 2023 Annual Report); and
- If we fail to implement and maintain an effective system of internal controls, we may be unable to accurately or timely report the results of operations or prevent fraud, and investor confidence and the market price of our securities may be materially and adversely affected (see page 27 of the 2023 Annual Report) (see page 27 of the 2023 Annual Report).

Risks Related to Doing Business in China (for a more detailed discussion, see “Item 3. Key Information—D. Risk Factors—Risks Related to Doing Business in China” in the 2023 Annual Report)

Risks and uncertainties related to doing business in China include, but are not limited to, the following:

- There are uncertainties under the Foreign Investment Law relating to the status of businesses in China controlled by foreign invested projects primarily through contractual arrangements, such as our business (see page 28 of the 2023 Annual Report);
- Changes in China’s economic, political, or social conditions or government policies could have a material adverse effect on our business and operations (see page 29 of the 2023 Annual Report);
- Uncertainties in the interpretation and enforcement of PRC laws and regulations could limit the legal protection available to you and us (see page 29 of the 2023 Annual Report);
- There are uncertainties regarding the enforcement of laws and rules and regulations in mainland China, which can change quickly with little advance notice, and there is a risk that the Chinese government may exert more oversight and control over offerings that are conducted overseas, which could materially and adversely affect our business and hinder our ability to offer our securities or continue our operations, and cause the value of our securities to significantly decline or become worthless (see page 30 of the 2023 Annual Report);
- You may experience difficulties in effecting service of legal process, enforcing foreign judgments, or bringing actions in China against us or our management named in the reporting based on foreign laws (see page 30 of the 2023 Annual Report);
- U.S. regulatory bodies may be limited in their ability to conduct investigations or inspections of our operations in China (see page 30 of the 2023 Annual Report);
- Increases in labor costs in the PRC may adversely affect our business and our profitability (see page 31 of the 2023 Annual Report);
- PRC regulations relating to offshore investment activities by PRC residents may subject our PRC resident beneficial owners or the PRC operating entities to liability or penalties, limit our ability to inject capital into the PRC Operating Entities, limit the PRC Operating Entities’ ability to increase their registered capital or distribute profits to us, or may otherwise adversely affect us (see page 31 of the 2023 Annual Report);
- Fluctuations in exchange rates could have a material and adverse effect on our results of operations and the value of your investment (see page 32 of the 2023 Annual Report);
- Under the PRC Enterprise Income Tax Law, we may be classified as a PRC “resident enterprise” for PRC enterprise income tax purposes. Such classification would likely result in unfavorable tax consequences to us and our non-PRC shareholders and have a material adverse effect on our results of operations and the value of your investment (see page 33 of the 2023 Annual Report);
- Our PRC operating entities are subject to restrictions on paying dividends or making other payments to us, which may have a material adverse effect on our ability to conduct our business (see page 33 of the 2023 Annual Report);
- We face uncertainty with respect to indirect transfers of equity interests in PRC resident enterprises by their non-PRC holding companies (see page 34 of the 2023 Annual Report);
- Governmental control of currency conversion may affect the value of your investment and our payment of dividends (see page 34 of the 2023 Annual Report);
- There are significant uncertainties under the PRC Enterprise Income Tax Law relating to the withholding tax liabilities of the PRC Operating Entities, and dividends payable by the PRC operating entities to our offshore subsidiaries may not qualify to enjoy certain treaty benefits (see page 35 of the 2023 Annual Report);
- The “Opinions on Severely Cracking Down on Illegal Securities Activities According to Law,” or the “Opinions,” recently issued by the General Office of the Central Committee of the Communist Party of China and the General Office of the State Council may subject us to additional compliance requirement in the future (see page 35 of the 2023 Annual Report);
- Recent greater oversight by the Cyberspace Administration of China (“CAC”) over data security, particularly for companies seeking to list on a foreign exchange, could adversely impact our business (see page 36 of the 2023 Annual Report);
- If we become directly subject to the scrutiny, criticism, and negative publicity involving U.S.-listed Chinese companies, we may have to expend significant resources to investigate and resolve the matter which could harm our business operations, stock price, and reputation (see page 37 of the 2023 Annual Report);

- The disclosures in our reports and other filings with the SEC and our other public pronouncements may be subject to the scrutiny of any regulatory bodies in the PRC (see page 37 of the 2023 Annual Report);
- The recent joint statement by the SEC and the PCAOB, rule changes by Nasdaq, and the Holding Foreign Companies Accountable Act and related regulations, all call for additional and more stringent criteria to be applied to emerging market companies upon assessing the qualification of their auditors, especially the non-U.S. auditors who are not inspected by the PCAOB. These developments could add uncertainties to our continued listing or future offerings of our securities in the U.S (see page 38 of the 2023 Annual Report);
- The Chinese government exerts substantial influence over the manner in which we must conduct our business, and may intervene or influence our operations at any time, which could result in a material change in our operations, significantly limit or completely hinder our ability to offer or continue to offer securities to investors, and cause the value of our Ordinary Shares to significantly decline or be worthless (see page 39 of the 2023 Annual Report);
- We may be unable to complete a business combination transaction efficiently or on favorable terms due to complicated merger and acquisition regulations and certain other PRC regulations (see page 41 of the 2023 Annual Report);
- The Trial Measures and other relevant rules promulgated by the CSRC may subject us to additional compliance requirements in the future; and (see page 40 of the 2023 Annual Report);
- We may be unable to complete a business combination transaction efficiently or on favorable terms due to complicated merger and acquisition regulations and certain other PRC regulations (see page 41 of the 2023 Annual Report); and
- To the extent cash or assets of our business, or of the PRC Operating Entities, is in the PRC or Hong Kong, such cash or assets may not be available to fund operations or for other use outside of the PRC or Hong Kong, due to interventions in or the imposition of restrictions and limitations by the PRC government to the transfer of cash or assets (see page 41 of the 2023 Annual Report).

Risks Related to Our Ordinary Shares (for a more detailed discussion, see “Item 3. Key Information—D. Risk Factors—Risks Related to Our Ordinary Shares” in the 2023 Annual Report)

Risks and uncertainties related to our Ordinary Shares include, but are not limited to, the following:

- We may issue additional Ordinary Shares or other equity securities without your approval, which would dilute your ownership interests and may depress the market price of our Ordinary Shares (see page 42 of the 2023 Annual Report);
- The dual-class structure of our Ordinary Shares may adversely affect the trading market for our Class A Ordinary Shares (see page 42 of the 2023 Annual Report);
- We are not expected to pay dividends on our Ordinary Shares in the foreseeable future (see page 42 of the 2023 Annual Report);
- We may become a passive foreign investment company, which could result in adverse United States federal income tax consequences to United States investors (see page 42 of the 2023 Annual Report);
- You may face difficulties in protecting your interests, and your ability to protect your rights through U.S. courts may be limited, because we were formed under Cayman Islands law (see page 43 of the 2023 Annual Report);
- We are a foreign private issuer within the meaning of the rules under the Exchange Act, and as such we are exempt from certain provisions applicable to United States domestic public companies (see page 44 of the 2023 Annual Report); and
- As a company incorporated in the Cayman Islands, we are permitted to adopt certain home country practices in relation to corporate governance matters that differ significantly from Nasdaq corporate governance listing standards; these practices may afford less protection to shareholders than they would enjoy if we complied fully with Nasdaq corporate governance listing standards (see page 44 of the 2023 Annual Report).

Regulatory Developments on Overseas-listing

On July 6, 2021, the relevant PRC governmental authorities made public the Opinions on Strictly Cracking Down Illegal Securities Activities in Accordance with the Law. These opinions emphasized the need to strengthen the administration over illegal securities activities and the supervision on overseas listings by China-based companies and proposed to take effective measures, such as promoting the construction of relevant regulatory systems to deal with the risks and incidents faced by China-based overseas-listed companies. As these opinions are recently issued, official guidance and related implementation rules have not been issued yet and the interpretation of these opinions remains unclear at this stage. See “*Item 3. D. Risk Factors—Risks Related to Doing Business in China—The “Opinions on Severely Cracking Down on Illegal Securities Activities According to Law,” or the “Opinions,” recently issued by the General Office of the Central Committee of the Communist Party of China and the General Office of the State Council may subject us to additional compliance requirement in the future*” in the 2023 Annual Report.

On December 24, 2021, the China Securities Regulatory Commission, or the CSRC, issued the Provisions of the State Council on the Administration of Overseas Securities Offering and Listing by Domestic Companies (Draft for Comments) (the “Administration Provisions”), and the Provisions of the State Council on the Administration of Overseas Securities Offering and Listing by Domestic Companies (Draft for Comments) (the “Measures”), of which the public comment period ended on January 23, 2022. The Administration Provisions and Measures for overseas listings lay out specific requirements for filing documents and include unified regulation management, strengthening regulatory coordination, and cross-border regulatory cooperation. Domestic companies seeking to list abroad must carry out relevant security screening procedures if their businesses involve such supervision. Companies endangering national security are among those off-limits for overseas listings.

On February 17, 2023, the China Securities Regulatory Commission (the “CSRC”) released the Trial Administrative Measures of Overseas Securities Offering and Listing by Domestic Companies (the “Trial Measures”), (《境内企业境外发行证券和上市管理试行办法》), and five supporting guidelines (collectively, the “Overseas Listings Rules”), which has become effective on March 31, 2023. On the same date of the issuance of the Overseas Listings Rules, the CSRC circulated No.1 to No.5 Supporting Guidance Rules, the Notes on the Overseas Listings Rules, the Notice on Administration Arrangements for the Filing of Overseas Listings by Domestic Enterprises and the relevant CSRC Answers to Reporter Questions on the official website of CSRC, or collectively, the Guidance Rules and Notice. The Overseas Listings Rules, together with the Guidance Rules and Notice, reiterate the basic supervision principles as reflected in the Administration Provisions and Measures by providing substantially the same requirements for filings of overseas offering and listing by domestic companies.

Under the Overseas Listings Rules and the Guidance Rules and Notice, domestic companies conducting overseas securities offering and listing activities, either in direct or indirect form, shall complete filing procedures with the CSRC pursuant to the requirements of the Trial Measures within three working days following submission of initial public offerings or listing applications. The companies that have already been listed on overseas stock exchanges or have obtained the approval from overseas supervision administrations or stock exchanges for its offering and listing before March 31, 2023 and completed their overseas offering and listing prior to September 30, 2023, such as us, shall be deemed to be existing issuers (the “Existing Issuers”). Existing Issuers are not required to complete the filing procedures for listing overseas immediately, but are required to file with the CSRC for any subsequent offerings in the same overseas market within 3 working days after the offering is completed. See “*Item 3. D. Risk Factors—Risks Related to Doing Business in China—The New Overseas Listing Rules and other relevant rules promulgated by the CSRC may subject us to additional compliance requirements in the future*” in the 2023 Annual Report.

According to our PRC legal counsel, Dacheng, we are required to complete the filing procedures with the CSRC for this offering. As of the date of this prospectus, neither we nor any of the PRC operating entities have been subject to any investigation, or received any notice, warning, or sanction from the CSRC or other applicable government authorities related to this offering. As the Overseas Listings Rules were newly published and there exists uncertainty with respect to the filing requirements and its implementation, we cannot be sure that we will be able to complete such filings in a timely manner. Any failure or perceived failure by us to comply with such filing requirements under the Overseas Listings Rules may result in forced corrections, warnings, and fines against us and could materially hinder our ability to offer or continue to offer our securities.

Permissions from the PRC Authorities

As of the date of this prospectus, we and our PRC operating entities have received from PRC authorities all requisite licenses, permissions, and approvals needed to engage in the businesses currently conducted in the PRC, and no such permission or approval has been denied. These licenses, permissions, and approvals, which have been successfully obtained, are: (1) business licenses; and (2) third-party payment license. However, in the future, if any additional approvals or permissions are required, we cannot assure you that any of these entities will be able to receive clearance of compliance requirements in a timely manner, or at all. Any failure to fully comply with any compliance requirements may cause our PRC operating entities, to be unable to operate their businesses in the PRC, subject them to fines, relevant businesses or operations suspension for rectification, or other sanctions.

On December 28, 2021, thirteen governmental departments of the PRC, including the Cyberspace Administration of China (“CAC”), issued the revised Cybersecurity Review Measures, which became effective on February 15, 2022. The Cybersecurity Review Measures require that any network platform operator which possesses the personal information of at least one million users must apply for a cybersecurity review by the CAC if it intends to be listed in foreign countries. As advised by our PRC counsel, Dacheng, the operations of the PRC operating entities, our continued listing, and this offering will not be affected and that we will not be subject to cybersecurity review by the CAC, given that the PRC operating entities (i) possess personal data of fewer than one million individual clients; (ii) do not collect data that affects or may affect national security in their business operations, as of the date of this prospectus; and (iii) do not anticipate that they will be collecting over one million users’ personal information or data that affect or may affect national security in the near future. However, as uncertainties remain regarding the interpretation and implementation of these laws and regulations, we cannot assure you that we will be able to comply with such regulations in all respects, and we may be ordered to rectify or terminate any actions that are deemed illegal by regulatory authorities. We may also become subject to fines and/or other sanctions and the costs of compliance with, and other burdens imposed by such laws and regulations may limit the use and adoption of our products, which may have material adverse effects on our business, operations, and financial condition.

On July 7, 2022, the CAC published the Measures for the Security Assessment of Outbound Data Transfer (《数据出境安全评估办法》), which became effective on September 1, 2022. The measures apply to the security assessment of important data and personal information collected and generated during operation within the territory of the People’s Republic of China and transferred abroad by a data handler. According to the Measures, a data handler shall file with the State Cyberspace Administration for security assessment via the Province Cyberspace Administration if it transfers data abroad under any of the following circumstances: (i) a data handler who transfers important data abroad; (ii) a critical information infrastructure operator, or a data handler processing the personal information of more than one million individuals transfers personal information to abroad ; (iii) since January 1 of the previous year, a data handler cumulatively transferred abroad the personal information of more than 100,000 individuals, or the sensitive personal information of more than 10,000 individuals; or (iv) any other circumstances where the security assessment for the outbound data transfer is required by the State Cyberspace Administration. As advised by our PRC counsel, Dacheng, since none of our PRC operating entities is a data handler that transfers data abroad under any of the aforementioned circumstances, the operations of the PRC operating entities, our continued listing, and this offering are not affected by the Measures for the Security Assessment of Outbound Data Transfer.

As of the date of this prospectus, our PRC operating entities have not received any notice from any authorities identifying the operating entities as a CIO or requiring the operating entities to go through cybersecurity review or network data security review by the CAC, nor have our PRC operating entities been involved in any investigations on cybersecurity review initiated by the CAC or related governmental regulatory authorities. In addition, our PRC operating entities have not received any inquiry, notice, warning, or sanction in such respect. We believe that our PRC operating entities are in compliance with the aforementioned regulations and policies. However, our PRC operating entities could become subject to enhanced cybersecurity review or investigations launched by PRC regulators in the future. Any failure or delay in the completion of the cybersecurity review procedures or any other non-compliance with the related laws and regulations may result in fines or other penalties, including suspension of business, website closure, and revocation of prerequisite licenses, as well as reputational damage or legal proceedings or actions against the PRC operating entities, which may have material adverse effect on the PRC operating entities’ business, financial condition or results of operations.

In addition, on February 17, 2023, the CSRC promulgated the Trial Measures and five supporting guidelines, which took effect on March 31, 2023. Pursuant to the Trial Measures, PRC domestic companies that seek to offer or list securities overseas, both directly and indirectly, shall file with the CSRC pursuant to the requirements of the Trial Measures within three working days following submission of relevant application for listing or completion of any subsequent offerings. If a domestic company fails to complete required filing procedures or conceals any material facts or falsifies any major content in its filing documents, such domestic company may be subject to administrative penalties, such as an order to rectify, warnings, and fines, and its controlling shareholders, actual controllers, and the person directly in charge and other directly liable persons may also be subject to administrative penalties, such as warnings and fines. The CSRC also held a press conference for the release of the Trial Measures and issued the CSRC Notice, which, among other things, clarified that PRC domestic companies that were listed overseas before the effective date of the Trial Measures shall be deemed to be “Existing Issuers”, who shall not be required to complete the filing procedure for listing overseas with the CSRC immediately, but are required to file with the CSRC for any subsequent offerings within 3 working days after the offering is completed. According to our PRC legal counsel, Dacheng, we are required to complete the filing procedures with the CSRC for this offering. As of the date of this prospectus, neither we nor any of the PRC operating entities have been subject to any investigation, or received any notice, warning, or sanction from the CSRC or other applicable government authorities related to this offering. There is no assurance that we can complete such filing in a timely manner or even at all. Any failure by us to comply with such filing requirements may result in an order to rectify, warnings and fines against us and could materially hinder our ability to offer or continue to offer our securities.

As of the date of this prospectus, we believe that, except the filing procedures with the CSRC pursuant to the Trial Measures and supporting guidelines, neither the Company, nor the PRC operating entities, will be required to obtain permission from any Chinese authorities to offer our securities based on PRC laws and regulations currently in effect, and neither we nor the PRC operating entities have been denied such permission by any Chinese authorities. However, we cannot assure you that the PRC regulatory agencies would take the same view as we do, and there is no assurance that our PRC operating entities will always be able to successfully update or renew the licenses or permits required for the relevant business in a timely manner or that these licenses or permits are sufficient to conduct all of their present or future business. If our PRC operating entities (i) do not receive or maintain required permissions or approvals, (ii) inadvertently conclude that such permissions or approvals are not required, or (iii) applicable laws, regulations, or interpretations change and our PRC operating entities, are required to obtain such permissions or approvals in the future, they could be subject to fines, legal sanctions, or an order to suspend their relevant services, which may materially and adversely affect our financial condition and results of operations and cause our securities to significantly decline in value or become worthless.

Distributions and Dividends

Under existing PRC foreign exchange regulations, payment of current account items, such as profit distributions and trade and service-related foreign exchange transactions, can be made in foreign currencies without prior approval from the State Administration of Foreign Exchange, or the SAFE, by complying with certain procedural requirements. Therefore, our PRC operating entities are able to pay dividends in foreign currencies to us without prior approval from the SAFE, subject to the condition that the remittance of such dividends outside of the PRC complies with certain procedures under PRC foreign exchange regulations, such as the foreign investment registrations by our shareholders or the ultimate shareholders of our corporate shareholders who are PRC residents. Approval from, or registration with, appropriate government authorities is, however, required where the RMB is to be converted into foreign currency and remitted out of China to pay capital expenses such as the repayment of loans denominated in foreign currencies. The PRC government may also at its discretion restrict access in the future to foreign currencies for current account transactions. Current PRC regulations permit WFOE to pay dividends to the Company only out of its accumulated profits, if any, determined in accordance with Chinese accounting standards and regulations. Each of our PRC subsidiaries is required to set aside at least 10% of its after-tax profits each year, after making up for previous year’s accumulated losses, if any, to fund certain statutory reserves, until the aggregate amount of such funds reaches 50% of its registered capital. This portion of our PRC subsidiaries’ respective net assets are prohibited from being distributed to their shareholders as dividends. As of the date of this prospectus, there are no restrictions or limitations imposed by the Hong Kong government on the transfer of capital within, into and out of Hong Kong (including funds from Hong Kong to the PRC), except for the transfer of funds involving money laundering and criminal activities. See “*Item 3. D. Risk Factors—Risks Related to Doing Business in China—To the extent cash or assets of our business, or of the PRC Operating Entities, is in PRC or Hong Kong, such cash or assets may not be available to fund operations or for other use outside of the PRC or Hong Kong, due to interventions in or the imposition of restrictions and limitations by the PRC government to the transfer of cash or assets*” in the 2023 Annual Report.

As of the date of this prospectus, there have been no dividends distributed between the holding company and its subsidiaries and consolidated VIEs or to investors. Cash is transferred among our Company, our subsidiaries, and the VIEs, in the following manner: (i) funds are transferred to WFOE from our Company as needed through Sentage HK, our Hong Kong subsidiary, in the form of capital contributions or shareholder loans, as the case may be; (ii) funds may be paid by a VIE to WFOE, as service fees according to the VIE Agreements; (iii) dividends or other distributions may be paid by WFOE, to our Company through Sentage HK; and (iv) WFOE and the VIEs lend to and borrow from each other from time to time for business operation purposes. As of the date of this prospectus, cash transfers and transfers of other assets among the Company, its subsidiaries, and the VIEs, were as follows:

For fiscal year ended December 31, 2023, Sentage HK transferred cash in the amount of \$0.5 million to WFOE, and WFOE transferred cash in the amount of \$0.5 million to the VIEs.

For fiscal year ended December 31, 2022, Sentage HK transferred cash in the amount of \$1.4 million to WFOE, and WFOE transferred cash in the amount of \$1.1 million to the VIEs.

For fiscal year ended December 31, 2021, the Company transferred net IPO proceeds in the amount of \$16.91 million to Sentage HK, and Sentage HK transferred cash in the amount of \$0.1 million to WFOE.

As of the date of this prospectus, the VIEs have not distributed any earnings or settled any amounts owed under the VIE Agreements, nor are there any plans to distribute earnings or settle amounts owed under the VIE Agreements in the foreseeable future. As such, we have not requested approval to transfer cash to WFOE or to entities outside of China.

Under Cayman Islands law, a Cayman Islands company may pay a dividend on its shares out of either profits or share premium amounts, provided that in no circumstances may a dividend be paid if this would result in the company being unable to pay its debts as they become due in the ordinary course of business. We intend to keep any future earnings to finance the expansion of our business, and we do not anticipate that any cash dividends will be paid in the foreseeable future, or any funds will be transferred from one entity to another on a regular basis. As such, as of the date of this prospectus, we have not installed any cash management policies that dictate how funds are transferred among Sentage Holdings, its subsidiaries, or investors.

If we determine to pay dividends in the future, as a holding company, we will rely on payments made from the VIEs to WFOE, pursuant to VIE Agreements, and the distribution of such payments to Sentage HK as dividends from WFOE. Certain payments from the VIEs to WFOE are subject to PRC taxes, including business taxes and value-added taxes. In addition, if any VIE incurs debt on its own behalf in the future, the instruments governing the debt may restrict its ability to pay dividends or make other distributions to us. Current PRC regulations permit WFOE to pay dividends to Sentage HK only out of its accumulated profits, if any, determined in accordance with Chinese accounting standards and regulations. In addition, each of our PRC operating entities is required to set aside at least 10% of its after-tax profits each year, if any, to fund a statutory reserve until such reserve reaches 50% of its registered capital. Each such entity in China is also required to further set aside a portion of its after-tax profits to fund the employee welfare fund, although the amount to be set aside, if any, is determined at the discretion of its board of directors. Although the statutory reserves can be used, among other ways, to increase the registered capital and eliminate future losses in excess of retained earnings of the respective companies, the reserve funds are not distributable as cash dividends except in the event of liquidation.

The PRC government also imposes controls on the conversion of RMB into foreign currencies and the remittance of currencies out of the PRC. Therefore, we may experience difficulties in complying with the administrative requirements necessary to obtain and remit foreign currency for the payment of dividends from our profits, if any. Furthermore, if our operating entities in the PRC incur debt on their own in the future, the instruments governing the debt may restrict their ability to pay dividends or make other payments.

Cash dividends, if any, on our Ordinary Shares will be paid in U.S. dollars. Sentage HK may be considered a non-resident enterprise for tax purposes, so that any dividends Sentage WFOE pays to Sentage HK may be regarded as China-sourced income and, as a result, may be subject to PRC withholding tax at a rate of up to 10%. See “*ITEM 10. ADDITIONAL INFORMATION—Taxation—PRC Taxation*” in the 2023 Annual Report.

Pursuant to the Arrangement between Mainland China and the Hong Kong Special Administrative Region for the Avoidance of Double Taxation and Tax Evasion on Income, or the Double Tax Avoidance Arrangement, the 10% withholding tax rate may be lowered to 5% if a Hong Kong resident enterprise owns no less than 25% of a PRC project. The 5% withholding tax rate, however, does not automatically apply and certain requirements must be satisfied, including, without limitation, that (a) the Hong Kong project must be the beneficial owner of the relevant dividends; and (b) the Hong Kong project must directly hold no less than 25% share ownership in the PRC project during the 12 consecutive months preceding its receipt of the dividends. In current practice, a Hong Kong project must obtain a tax resident certificate from the Hong Kong tax authority to apply for the 5% lower PRC withholding tax rate. As the Hong Kong tax authority will issue such a tax resident certificate on a case-by-case basis, we cannot assure you that we will be able to obtain the tax resident certificate from the relevant Hong Kong tax authority and enjoy the preferential withholding tax rate of 5% under the Double Taxation Arrangement with respect to any dividends paid by Sentage WFOE to its immediate holding company, Sentage HK. As of the date of this prospectus, we have not applied for the tax resident certificate from the relevant Hong Kong tax authority. Sentage HK intends to apply for the tax resident certificate if and when Sentage WFOE plans to declare and pay dividends to Sentage HK. See “*Item 3. Key Information—D. Risk Factors—Risks Related to Doing Business in China—There are significant uncertainties under the EIT Law relating to the withholding tax liabilities of Sentage WFOE, and dividends payable by Sentage WFOE to our offshore subsidiaries may not qualify to enjoy certain treaty benefits*” in the 2023 Annual Report.

Selected Condensed Consolidated Financial Schedule of Sentage Holdings Inc., its subsidiaries, and the VIEs

The following tables present selected condensed consolidated financial data of Sentage Holdings Inc. and its subsidiaries and VIEs for the fiscal years ended December 31, 2023, 2022, and 2021, and balance sheet data as of December 31, 2023, 2022 and 2022, which have been derived from our audited consolidated financial statements for those years.

SELECTED CONDENSED CONSOLIDATED STATEMENTS OF INCOME AND COMPREHENSIVE LOSS

<i>USD</i>	For the year ended December 31, 2021				
	Sentage Holdings Inc.	Subsidiaries	VIEs and their Subsidiaries	Eliminations	Consolidated Total
Revenue	-	-	2,262,449	-	2,262,449
Net Income (loss)	(1,748,643)	(37,372)	692,774	-	(1,093,241)
Comprehensive Income (loss)	(1,748,643)	(36,409)	844,511	-	(940,541)

<i>USD</i>	For the year ended December 31, 2022				
	Sentage Holdings Inc.	Subsidiaries	VIEs and their Subsidiaries	Eliminations	Consolidated Total
Revenue	-	-	161,372	-	161,372
Net loss	(1,470,635)	(130,766)	(960,506)	-	(2,561,907)
Comprehensive loss	(1,470,635)	(183,036)	(994,319)	-	(2,647,990)

<i>USD</i>	For the year ended December 31, 2023				
	Sentage Holdings Inc.	Subsidiaries	VIEs and their Subsidiaries	Eliminations	Consolidated Total
Revenue	-	-	146,554	-	146,554
Net loss	(959,981)	(146,073)	(797,223)	-	(1,903,277)
Comprehensive loss	(959,981)	(198,768)	(786,321)	-	(1,945,070)

SELECTED CONDENSED CONSOLIDATED BALANCE SHEETS

<i>USD</i>	As of December 31, 2022				
	Sentage Holdings Inc.	Subsidiaries	VIEs and their Subsidiaries	Eliminations	Consolidated Total
Cash	-	3,785,115	20,020	-	3,805,135
Total current assets	12,740,447	6,873,303	1,442,879	(6,715,249)	14,341,380
Total assets	12,740,447	7,035,573	1,598,063	(6,715,249)	14,658,834
Total liabilities	1,466,983	3,826,962	1,905,174	(6,715,249)	483,870
Total shareholders' equity	11,273,464	3,208,611	(307,111)	-	14,174,964
Total liabilities and shareholders' equity	12,740,447	7,035,573	1,598,063	(6,715,249)	14,658,834

As of December 31, 2023					
<i>USD</i>	Sentage Holdings Inc.	Subsidiaries	VIEs and their Subsidiaries	Eliminations	Consolidated Total
Cash	-	2,199,879	63,002	-	2,262,881
Total current assets	10,274,640	5,250,465	1,381,679	(5,214,239)	11,692,545
Total assets	11,274,640	5,323,404	1,525,334	(5,214,239)	12,909,139
Total liabilities	962,703	2,312,015	2,618,766	(5,214,239)	679,245
Total shareholders' equity	10,311,937	3,011,389	(1,093,432)	-	12,229,894
Total liabilities and shareholders' equity	11,274,640	5,323,404	1,525,334	(5,214,239)	12,909,139

SELECTED CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS

For the year ended December 31, 2021					
<i>USD</i>	Sentage Holdings Inc.	Subsidiaries	VIEs and their Subsidiaries	Eliminations	Consolidated Total
Net cash provided by (used in) operating activities	-	(1,815,919)	1,433,255	-	(382,664)
Net cash used in investing activities	-	(5,500,000)	(19,977)	-	(5,519,977)
Net cash provided by (used in) financing activities	(16,851)	17,360,717	(959,420)	-	16,401,297

For the year ended December 31, 2022					
<i>USD</i>	Sentage Holdings Inc.	Subsidiaries	VIEs and their Subsidiaries	Eliminations	Consolidated Total
Net cash used in operating activities	-	(6,308,455)	(371,005)	-	(6,679,460)
Net cash used in investing activities	-	-	(34,346)	-	(34,346)
Net cash used in financing activities	-	-	(156,311)	-	(156,311)

For the year ended December 31, 2023					
<i>USD</i>	Sentage Holdings Inc.	Subsidiaries	VIEs and their Subsidiaries	Eliminations	Consolidated Total
Net cash used in operating activities	-	(1,572,682)	(254,262)	-	(1,826,944)
Net cash used in investing activities	-	-	(23,433)	-	(23,433)
Net cash provided by financing activities	-	40,141	299,385	-	339,526

Corporate Information

Our principal executive offices are located at 501, Platinum Tower, 233 Taicang Rd, HuangPu, Shanghai City, the PRC, and our phone number is +86-21 5386 0209.

Our registered office in the Cayman Islands is located at Ogier Global (Cayman) Limited 89 Nexus Way, Camana Bay, Grand Cayman KY1-9009, Cayman Islands, and the phone number of our registered office is +1 345 949 9876.

Our corporate website is www.sentageholdings.com. The information contained in, or accessible from, our website or any other website does not constitute a part of this prospectus.

Our service process agent is Cogency Global Inc.

RISK FACTORS

Investing in our securities involves risks. Before making an investment decision, you should carefully consider the risks described under “Risk Factors” in the applicable prospectus supplement and under the heading “*Item 3. Key Information—D. Risk Factors*” in the 2023 Annual Report, which is incorporated in this prospectus by reference, together with the following risk factor and any other information appearing or incorporated by reference in this prospectus and in any accompanying prospectus supplement, in light of your particular investment objectives and financial circumstances. In addition to those risk factors, there may be additional risks and uncertainties of which our management is unaware or deems immaterial. Our business, financial condition, or results of operations could be materially and adversely affected by any of these risks. The trading price of our securities could decline due to any of these risks, and you may lose all or part of your investment.

In addition, our operating structure involves unique risks to investors. We are not a Chinese operating company but a Cayman Islands exempted company with no material operations of our own. Investors of our Ordinary Shares do not own any equity interests in the VIEs, but instead own shares of a Cayman Islands holding company. If the PRC government finds that the contractual arrangements which establish the structure of our business operations do not comply with PRC laws and regulations, or if these regulations or their interpretations change in the future, we could be subject to severe penalties or be forced to relinquish our interests in those operations, which would result in the VIEs being deconsolidated. A majority of our assets, including the necessary licenses to conduct business, are held by the VIEs and their subsidiaries. Substantially all of our revenue is generated by the VIEs. The deconsolidation of the VIEs would have a material adverse effect on our operations and substantially diminish the value of our Ordinary Shares. There are uncertainties about potential future actions by the PRC government that could affect the enforceability of our contractual arrangements with the VIEs and, consequently, significantly affect our financial performance. The value of the Ordinary Shares may significantly decline or become worthless as a result. For details of risks related to the VIE structure, see “*Item 3. Key Information—D. Risk Factors—Risks Related to Our Corporate Structure*” in the 2023 Annual Report.

OFFER STATISTICS AND EXPECTED TIMETABLE

We may, from time to time, offer and sell any combination of the securities described in this prospectus up to a total dollar amount of \$60,000,000 in one or more offerings. The securities offered under this prospectus may be offered separately, together, or in separate series, and in amounts, at prices, and on terms to be determined at the time of sale. We will keep the registration statement of which this prospectus is a part effective until such time as all of the securities covered by this prospectus have been disposed of pursuant to such registration statement.

CAPITALIZATION AND INDEBTEDNESS

Our capitalization will be set forth in the applicable prospectus supplement or in a report on Form 6-K subsequently furnished to the SEC and specifically incorporated by reference into this prospectus.

DILUTION

If required, we will set forth in a prospectus supplement the following information regarding any material dilution of the equity interests of investors purchasing securities in an offering under this prospectus:

- the net tangible book value per share of our equity securities before and after the offering;
- the amount of the increase in such net tangible book value per share attributable to the cash payments made by purchasers in the offering; and
- the amount of the immediate dilution from the public offering price which will be absorbed by such purchasers.

USE OF PROCEEDS

We intend to use the net proceeds from the sale of securities we offer as indicated in the applicable prospectus supplement, information incorporated by reference, or free writing prospectus.

DESCRIPTION OF SHARE CAPITAL

Information contained under the heading “*Item 10. Additional Information*” in the 2023 Annual Report is incorporated into this prospectus by reference.

As of the date of this prospectus, the Company has not issued any Class B Ordinary Shares.

DESCRIPTION OF THE SECURITIES

We may issue, offer and sell from time to time, in one or more offerings, the following securities:

- Class A Ordinary Shares;
- debt securities;
- warrants to purchase Class A Ordinary Shares or debt securities;
- subscription rights to purchase Class A Ordinary Shares or debt securities; and
- units consisting of any combination of Class A Ordinary Shares, debt securities, warrants to purchase Class A ordinary shares or debt securities and/or subscription rights to purchase Class A Ordinary Shares or debt securities.

The following is a description of the terms and provisions of our debt securities, warrants to purchase Class A Ordinary Shares or debt securities, subscription rights to purchase Class A Ordinary Shares or debt securities and units consisting of any combination of Class A Ordinary Shares, debt securities, warrants to purchase Class A Ordinary Shares or debt securities and/or subscription rights to purchase Class A Ordinary Shares or debt securities, which we may offer and sell using this prospectus. These summaries are not meant to be a complete description of each security. We will set forth in the applicable prospectus supplement a description of the securities that may be offered under this prospectus. The terms of the offering of securities, the initial offering price and the net proceeds to us, as applicable, will be contained in the prospectus supplement and other offering material relating to such offering. The prospectus supplement may also add, update or change information contained in this prospectus. This prospectus and any accompanying prospectus supplement will contain the material terms and conditions for each security. You should carefully read this prospectus and any prospectus supplement before you invest in any of our securities.

DESCRIPTION OF DEBT SECURITIES

General

As used in this prospectus, the term “debt securities” means the debentures, notes, bonds, and other evidences of indebtedness that we may issue from time to time. The debt securities will either be senior debt securities or subordinated debt securities. Debt securities will be issued under an indenture between us and a trustee to be named therein. We have filed the forms of indentures as exhibits to the registration statement of which this prospectus is a part. We may issue debt securities which may or may not be converted into our Class A Ordinary Shares. It is likely that convertible debt securities will not be issued under an indenture. We may issue the debt securities independently or together with any underlying securities, and debt securities may be attached or separate from the underlying securities.

The following description is a summary of selected provisions relating to the debt securities that we may issue. The summary is not complete. When debt securities are offered in the future, a prospectus supplement, information incorporated by reference, or a free writing prospectus, as applicable, will explain the particular terms of those securities and the extent to which these general provisions may apply. The specific terms of the debt securities as described in a prospectus supplement, information incorporated by reference, or free writing prospectus will supplement and, if applicable, may modify or replace the general terms described in this section.

This summary and any description of debt securities in the applicable prospectus supplement, information incorporated by reference, or free writing prospectus is subject to and is qualified in its entirety by reference to all the provisions of any specific debt securities document or agreement. We will file each of these documents, as applicable, with the SEC and incorporate them by reference as an exhibit to the registration statement of which this prospectus is a part on or before the time we issue a series of debt securities. See “*Where You Can Find Additional Information*” and “*Incorporation of Documents by Reference*” below for information on how to obtain a copy of a debt securities document when it is filed.

When we refer to a series of debt securities, we mean all debt securities issued as part of the same series under the applicable indenture.

Terms

The applicable prospectus supplement, information incorporated by reference, or free writing prospectus, may describe the terms of any debt securities that we may offer, including, but not limited to, the following:

- the title of the debt securities;
- the total amount of the debt securities;
- the amount or amounts of the debt securities will be issued and interest rate;
- the conversion price at which the debt securities may be converted;
- the date on which the right to convert the debt securities will commence and the date on which the right will expire;
- if applicable, the minimum or maximum amount of debt securities that may be converted at any one time;
- if applicable, a discussion of material federal income tax considerations;

- if applicable, the terms of the payoff of the debt securities;
- the identity of the indenture agent, if any;
- the procedures and conditions relating to the conversion of the debt securities; and
- any other terms of the debt securities, including terms, procedure and limitation relating to the exchange or conversion of the debt securities.

Form, Exchange, and Transfer

We may issue the debt securities in registered form or bearer form. Debt securities issued in registered form, i.e., book-entry form, will be represented by a global security registered in the name of a depository, which will be the holder of all the debt securities represented by the global security. Those investors who own beneficial interests in global debt securities will do so through participants in the depository's system, and the rights of these indirect owners will be governed solely by the applicable procedures of the depository and its participants. In addition, we may issue debt securities in non-global form, i.e., bearer form. If any debt securities are issued in non-global form, debt securities certificates may be exchanged for new debt securities certificates of different denominations, and holders may exchange, transfer, or convert their debt securities at the debt securities agent's office or any other office indicated in the applicable prospectus supplement, information incorporated by reference or free writing prospectus.

Prior to the conversion of their debt securities, holders of debt securities convertible for Class A Ordinary Shares will not have any rights of holders of Class A Ordinary Shares, and will not be entitled to dividend payments, if any, or voting rights of the Class A Ordinary Shares.

Conversion of Debt Securities

A debt security may entitle the holder to purchase, in exchange for the extinguishment of debt, an amount of securities at a conversion price that will be stated in the debt security. Debt securities may be converted at any time up to the close of business on the expiration date set forth in the terms of such debt security. After the close of business on the expiration date, debt securities not exercised will be paid in accordance with their terms.

Debt securities may be converted as set forth in the applicable offering material. Upon receipt of a notice of conversion properly completed and duly executed at the corporate trust office of the indenture agent, if any, or to us, we will forward, as soon as practicable, the securities purchasable upon such exercise. If less than all of the debt security represented by such security is converted, a new debt security will be issued for the remaining debt security.

DESCRIPTION OF WARRANTS

General

We may issue warrants to purchase our Class A Ordinary Shares or debt securities. We may issue the warrants independently or together with any underlying securities, and the warrants may be attached or separate from the underlying securities. We may also issue a series of warrants under a separate warrant agreement to be entered into between us and a warrant agent. The warrant agent will act solely as our agent in connection with the warrants of such series and will not assume any obligation or relationship of agency for or with holders or beneficial owners of warrants.

The following description is a summary of selected provisions relating to the warrants that we may issue. The summary is not complete. When warrants are offered in the future, a prospectus supplement, information incorporated by reference, or a free writing prospectus, as applicable, will explain the particular terms of those securities and the extent to which these general provisions may apply. The specific terms of the warrants as described in a prospectus supplement, information incorporated by reference, or free writing prospectus will supplement and, if applicable, may modify or replace the general terms described in this section.

This summary and any description of warrants in the applicable prospectus supplement, information incorporated by reference, or free writing prospectus is subject to and is qualified in its entirety by reference to all the provisions of any specific warrant document or agreement, if applicable. We will file each of these documents, as applicable, with the SEC and incorporate them by reference as an exhibit to the registration statement of which this prospectus is a part on or before the time we issue a series of warrants. See “*Where You Can Find Additional Information*” and “*Incorporation of Documents by Reference*” below for information on how to obtain a copy of a warrant document when it is filed.

When we refer to a series of warrants, we mean all warrants issued as part of the same series under the applicable warrant agreement.

Terms

The applicable prospectus supplement, information incorporated by reference, or free writing prospectus, may describe the terms of any warrants that we may offer, including, but not limited to, the following:

- the title of the warrants;
- the total number of warrants;
- the price or prices at which the warrants will be issued;
- the price or prices at which the warrants may be exercised;
- the currency or currencies that investors may use to pay for the warrants;
- the date on which the right to exercise the warrants will commence and the date on which the right will expire;
- whether the warrants will be issued in registered form;
- information with respect to book-entry procedures, if any;

- if applicable, the minimum or maximum amount of warrants that may be exercised at any one time;
- if applicable, the designation and terms of the underlying securities with which the warrants are issued and the number of warrants issued with each underlying security;
- if applicable, the date on and after which the warrants and the related underlying securities will be separately transferable;
- if applicable, a discussion of material federal income tax considerations;
- if applicable, the terms of redemption of the warrants;
- the identity of the warrant agent, if any;
- the procedures and conditions relating to the exercise of the warrants; and
- any other terms of the warrants, including terms, procedures, and limitations relating to the exchange and exercise of the warrants.

Warrant Agreement

We may issue the warrants in one or more series under one or more warrant agreements, each to be entered into between us and a bank, trust company, or other financial institution as warrant agent. We may add, replace, or terminate warrant agents from time to time. We may also choose to act as our own warrant agent or may choose one of our subsidiaries to do so.

The warrant agent under a warrant agreement will act solely as our agent in connection with the warrants issued under that agreement. Any holder of warrants may, without the consent of any other person, enforce by appropriate legal action, on its own behalf, its right to exercise those warrants in accordance with their terms.

Form, Exchange, and Transfer

We may issue the warrants in registered form. Warrants issued in registered form, i.e., book-entry form, will be represented by a global security registered in the name of a depository, which will be the holder of all the warrants represented by the global security. Those investors who own beneficial interests in a global warrant will do so through participants in the depository's system, and the rights of these indirect owners will be governed solely by the applicable procedures of the depository and its participants.

Prior to the exercise of their warrants, holders of warrants exercisable for Class A Ordinary Shares will not have any rights of holders of Class A Ordinary Shares and will not be entitled to dividend payments, if any, or voting rights of the Class A Ordinary Shares.

Exercise of Warrants

A warrant will entitle the holder to purchase for cash an amount of securities at an exercise price that will be stated in, or that will be determinable as described in, the applicable prospectus supplement, information incorporated by reference, or free writing prospectus. Warrants may be exercised at any time up to the close of business on the expiration date set forth in the applicable offering material. After the close of business on the expiration date, unexercised warrants will become void. Warrants may be redeemed as set forth in the applicable offering material.

Warrants may be exercised as set forth in the applicable offering material. Upon receipt of payment and the warrant certificate properly completed and duly executed at the corporate trust office of the warrant agent or any other office indicated in the applicable offering material, we will forward, as soon as practicable, the securities purchasable upon such exercise. If less than all of the warrants represented by such warrant certificate are exercised, a new warrant certificate will be issued for the remaining warrants.

DESCRIPTION OF RIGHTS

We may issue rights to purchase our Class A Ordinary Shares or debt securities. The rights may or may not be transferable by the persons purchasing or receiving the rights. In connection with any rights offering, we may enter into a standby underwriting or other arrangement with one or more underwriters or other persons pursuant to which such underwriters or other persons would purchase any offered securities remaining unsubscribed for after such rights offering. Each series of rights will be issued under a separate rights agent agreement to be entered into between us and one or more banks, trust companies, or other financial institutions, as rights agent, that we will name in the applicable prospectus supplement. The rights agent will act solely as our agent in connection with the rights and will not assume any obligation or relationship of agency or trust for or with any holders of rights certificates or beneficial owners of rights.

The prospectus supplement relating to any rights that we offer will include specific terms relating to the offering, including, among other matters:

- the date of determining the security holders entitled to the rights distribution;
- the aggregate number of rights issued and the aggregate amount of securities purchasable upon exercise of the rights;
- the exercise price;
- the conditions to completion of the rights offering;
- the date on which the right to exercise the rights will commence and the date on which the rights will expire; and
- any applicable federal income tax considerations.

Each right would entitle the holder of the rights to purchase for cash the principal amount of Class A Ordinary Shares or debt securities at the exercise price set forth in the applicable prospectus supplement. Rights may be exercised at any time up to the close of business on the expiration date for the rights provided in the applicable prospectus supplement. After the close of business on the expiration date, all unexercised rights will become void.

If less than all of the rights issued in any rights offering are exercised, we may offer any unsubscribed securities directly to persons other than our security holders, to or through agents, underwriters, or dealers, or through a combination of such methods, including pursuant to standby arrangements, as described in the applicable prospectus supplement.

DESCRIPTION OF UNITS

We may issue units composed of any combination of our securities. We will issue each unit so that the holder of the unit is also the holder of each security included in the unit. As a result, the holder of a unit will have the rights and obligations of a holder of each included security. The unit agreement under which a unit is issued may provide that the securities included in the unit may not be held or transferred separately, at any time or at any time before a specified date.

The following description is a summary of selected provisions relating to units that we may offer. The summary is not complete. When units are offered in the future, a prospectus supplement, information incorporated by reference, or a free writing prospectus, as applicable, will explain the particular terms of those securities and the extent to which these general provisions may apply. The specific terms of the units as described in a prospectus supplement, information incorporated by reference, or free writing prospectus will supplement and, if applicable, may modify or replace the general terms described in this section.

This summary and any description of units in the applicable prospectus supplement, information incorporated by reference, or free writing prospectus, is subject to and is qualified in its entirety by reference to the unit agreement, collateral arrangements, and depositary arrangements, if applicable. We will file each of these documents, as applicable, with the SEC and incorporate them by reference as an exhibit to the registration statement of which this prospectus is a part on or before the time we issue a series of units. See “*Where You Can Find Additional Information*” and “*Incorporation of Documents by Reference*” below for information on how to obtain a copy of a document when it is filed.

The applicable prospectus supplement, information incorporated by reference, or free writing prospectus may describe:

- The designation and terms of the units and of the securities comprising the units, including whether and under what circumstances those securities may be held or transferred separately;
- Any provisions for the issuance, payment, settlement, transfer, or exchange of the units or of the securities composing the units;
- Whether the units will be issued in fully registered or global form; and
- Any other terms of the units.

The applicable provisions described in this section, as well as those described under “*Description of Share Capital*,” “*Description of Debt Securities*,” “*Description of Warrants*,” and “*Description of Rights*” above, will apply to each unit and to each security included in each unit, respectively.

PLAN OF DISTRIBUTION

We may sell the securities offered by this prospectus from time to time in one or more transactions, including, without limitation:

- through agents;
- to or through underwriters;
- through broker-dealers (acting as agent or principal);
- directly by us to purchasers (including our affiliates and shareholders), through a specific bidding or auction process, a rights offering, or other method;
- through a combination of any such methods of sale; or
- through any other methods described in a prospectus supplement.

The distribution of securities may be effected, from time to time, in one or more transactions, including:

- block transactions (which may involve crosses) and transactions on Nasdaq or any other organized market where the securities may be traded;
- purchases by a broker-dealer as principal and resale by the broker-dealer for its own account pursuant to a prospectus supplement;
- ordinary brokerage transactions and transactions in which a broker-dealer solicits purchasers;
- sales “at the market” to or through a market maker or into an existing trading market, on an exchange or otherwise; and
- sales in other ways not involving market makers or established trading markets, including direct sales to purchasers.

The securities may be sold at a fixed price or prices, which may be changed, or at market prices prevailing at the time of sale, at prices relating to the prevailing market prices or at negotiated prices. The consideration may be cash, extinguishment of debt, or another form negotiated by the parties. Agents, underwriters, or broker-dealers may be paid compensation for offering and selling the securities. That compensation may be in the form of discounts, concessions, or commissions to be received from us or from the purchasers of the securities. Dealers and agents participating in the distribution of the securities may be deemed to be underwriters, and compensation received by them on resale of the securities may be deemed to be underwriting discounts and commissions under the Securities Act. If such dealers or agents were deemed to be underwriters, they may be subject to statutory liabilities under the Securities Act.

We may also make direct sales through subscription rights distributed to our existing shareholders on a pro rata basis, which may or may not be transferable. In any distribution of subscription rights to our shareholders, if all of the underlying securities are not subscribed for, we may then sell the unsubscribed securities directly to third parties or may engage the services of one or more underwriters, dealers, or agents, including standby underwriters, to sell the unsubscribed securities to third parties.

Some or all of the securities that we offer through this prospectus may be new issues of securities with no established trading market. Any underwriters to whom we sell our securities for public offering and sale may make a market in those securities, but they will not be obligated to do so and they may discontinue any market making at any time without notice. Accordingly, we cannot assure you of the liquidity of, or continued trading markets for, any securities that we offer.

Agents may, from time to time, solicit offers to purchase the securities. If required, we will name in the applicable prospectus supplement, document incorporated by reference, or free writing prospectus, as applicable, any agent involved in the offer or sale of the securities and set forth any compensation payable to the agent. Unless otherwise indicated, any agent will be acting on a best efforts basis for the period of its appointment. Any agent selling the securities covered by this prospectus may be deemed to be an underwriter of the securities.

If underwriters are used in an offering, securities will be acquired by the underwriters for their own account and may be resold, from time to time, in one or more transactions, including negotiated transactions, at a fixed public offering price or at varying prices determined at the time of sale, or under delayed delivery contracts or other contractual commitments. Securities may be offered to the public either through underwriting syndicates represented by one or more managing underwriters or directly by one or more firms acting as underwriters. If an underwriter or underwriters are used in the sale of securities, an underwriting agreement will be executed with the underwriter or underwriters at the time an agreement for the sale is reached. The applicable prospectus supplement will set forth the managing underwriter or underwriters, as well as any other underwriter or underwriters, with respect to a particular underwritten offering of securities, and will set forth the terms of the transactions, including compensation of the underwriters and dealers and the public offering price, if applicable. This prospectus, the applicable prospectus supplement, and any applicable free writing prospectus will be used by the underwriters to resell the securities.

If a dealer is used in the sale of the securities, we, or an underwriter, will sell the securities to the dealer, as principal. The dealer may then resell the securities to the public at varying prices to be determined by the dealer at the time of resale. To the extent required, we will set forth in the prospectus supplement, document incorporated by reference, or free writing prospectus, as applicable, the name of the dealer and the terms of the transactions.

We may directly solicit offers to purchase the securities and may make sales of securities directly to institutional investors or others. These persons may be deemed to be underwriters with respect to any resale of the securities. To the extent required, the prospectus supplement, document incorporated by reference, or free writing prospectus, as applicable, will describe the terms of any such sales, including the terms of any bidding or auction process, if used.

Agents, underwriters, and dealers may be entitled under agreements which may be entered into with us to indemnification by us against specified liabilities, including liabilities incurred under the Securities Act, or to contribution by us to payments they may be required to make in respect of such liabilities. If required, the prospectus supplement, document incorporated by reference, or free writing prospectus, as applicable, will describe the terms and conditions of such indemnification or contribution. Some of the agents, underwriters, or dealers, or their affiliates may be customers of, engage in transactions with or perform services for us or our subsidiaries or affiliates in the ordinary course of business.

Under the securities laws of some states, the securities offered by this prospectus may be sold in those states only through registered or licensed brokers or dealers.

Any person participating in the distribution of securities registered under the registration statement that includes this prospectus will be subject to applicable provisions of the Exchange Act, and the applicable SEC rules and regulations, including, among others, Regulation M, which may limit the timing of purchases and sales of any of our securities by any such person. Furthermore, Regulation M may restrict the ability of any person engaged in the distribution of our securities to engage in market-making activities with respect to our securities.

These restrictions may affect the marketability of our securities and the ability of any person or entity to engage in market-making activities with respect to our securities.

Certain persons participating in an offering may engage in over-allotment, stabilizing transactions, short-covering transactions, and penalty bids in accordance with Regulation M under the Exchange Act that stabilize, maintain, or otherwise affect the price of the offered securities. If any such activities will occur, they will be described in the applicable prospectus supplement.

To the extent required, this prospectus may be amended or supplemented from time to time to describe a specific plan of distribution.

TAXATION

Material income tax consequences relating to the purchase, ownership, and disposition of the securities offered by this prospectus are set forth in “*Item 10. Additional Information—D. Taxation*” in the 2023 Annual Report, which is incorporated herein by reference, as updated by our subsequent filings under the Exchange Act that are incorporated by reference and, if applicable, in any accompanying prospectus supplement or relevant free writing prospectus.

LEGAL MATTERS

We are being represented by Hunter Taubman Fischer & Li LLC with respect to certain legal matters as to United States federal securities and New York State law. The validity of the securities offered in this offering and certain other legal matters as to Cayman Islands law will be passed upon for us by Ogier (Cayman) LLP, our counsel as to Cayman Islands law. Legal matters as to PRC law will be passed upon for us by Beijing Dacheng Law Offices, LLP (Fuzhou). If legal matters in connection with offerings made pursuant to this prospectus are passed upon by counsel to underwriters, dealers, or agents, such counsel will be named in the applicable prospectus supplement relating to any such offering.

EXPERTS

The consolidated financial statements as of December 31, 2023 and 2022, and for the fiscal years ended December 31, 2023, 2022, and 2021 incorporated by reference in this prospectus have been so incorporated in reliance on the report of Enrome LLP, an independent registered public accounting firm, given on the authority of said firm as experts in auditing and accounting. The office of Enrome LLP is located at 143 Cecil Street, #19-03/04, GB Building, Singapore, 069542.

INCORPORATION OF DOCUMENTS BY REFERENCE

The SEC allows us to “incorporate by reference” into this prospectus certain information we file with the SEC. This means that we can disclose important information to you by referring you to those documents. Any statement contained in a document incorporated by reference in this prospectus shall be deemed to be modified or superseded for purposes of this prospectus to the extent that a statement contained herein, or in any subsequently filed document, which is incorporated by reference herein, modifies or supersedes such earlier statement. Any such statement so modified or superseded shall not be deemed, except as so modified or superseded, to constitute a part of this prospectus.

We hereby incorporate by reference into this prospectus the following documents:

1. our annual report on [Form 20-F](#) for the fiscal year ended December 31, 2023 filed with the SEC on April 26, 2024;
2. the description of our securities contained in our registration statement on [Form 8-A](#) filed with the SEC on July 6, 2021, the description of securities contained in [Exhibit 2.3](#) to the 2023 Annual Report filed with the SEC on April 26, 2024, and any amendment or report filed for the purpose of updating such description;
4. any future annual reports on Form 20-F filed with the SEC after the date of this prospectus and prior to the termination of the offering of the securities offered by this prospectus; and
5. any future reports of foreign private issuer on Form 6-K that we furnish to the SEC after the date of this prospectus that are identified in such reports as being incorporated by reference into the registration statement of which this prospectus forms a part.

Our annual report on [Form 20-F](#) for the fiscal year ended December 31, 2023 filed with the SEC on April 26, 2024 contains a description of our business and audited consolidated financial statements with a report by our independent auditors. These financial statements were prepared in accordance with U.S. GAAP.

Unless expressly incorporated by reference, nothing in this prospectus shall be deemed to incorporate by reference information furnished to, but not filed with, the SEC. Copies of all documents incorporated by reference in this prospectus, other than exhibits to those document, unless such exhibits are specially incorporated by reference in this prospectus, will be provided at no cost to each person, including any beneficial owner, who receives a copy of this prospectus on the written or oral request of that person made to:

Sentage Holdings Inc.
501, Platinum Tower 233 Taicang Road
HuangPu, Shanghai City 200001
People’s Republic of China
+86-21 5386 0209

You should rely only on the information that we incorporate by reference or provide in this prospectus. We have not authorized anyone to provide you with different information. We are not making any offer to sell these securities in any jurisdiction where the offer or sale is not permitted. You should not assume that the information contained or incorporated in this prospectus by reference is accurate as of any date other than the date of the document containing the information.

WHERE YOU CAN FIND ADDITIONAL INFORMATION

As permitted by SEC rules, this prospectus omits certain information and exhibits that are included in the registration statement of which this prospectus forms a part. Since this prospectus may not contain all of the information that you may find important, you should review the full text of these documents. If we have filed a contract, agreement, or other document as an exhibit to the registration statement of which this prospectus forms a part, you should read the exhibit for a more complete understanding of the document or matter involved. Each statement in this prospectus, including statements incorporated by reference as discussed above, regarding a contract, agreement, or other document is qualified in its entirety by reference to the actual document.

We are subject to periodic reporting and other informational requirements of the Exchange Act as applicable to foreign private issuers. Accordingly, we are required to file reports, including annual reports on Form 20-F, and other information with the SEC. All information electronically filed with the SEC can be inspected over the Internet at the SEC's website at www.sec.gov.

As a foreign private issuer, we are exempt under the Exchange Act from, among other things, the rules prescribing the furnishing and content of proxy statements, and our executive officers, directors, and principal shareholders are exempt from the reporting and short-swing profit recovery provisions contained in Section 16 of the Exchange Act. In addition, we will not be required under the Exchange Act to file periodic or current reports and financial statements with the SEC as frequently or as promptly as U.S. companies whose securities are registered under the Exchange Act.

ENFORCEABILITY OF CIVIL LIABILITIES

We are incorporated under the laws of the Cayman Islands as an exempted company with limited liability. We are incorporated in the Cayman Islands in order to enjoy the following benefits: (a) political and economic stability; (b) an effective judicial system; (c) a favorable tax system; (d) the absence of exchange control or currency restrictions; and (e) the availability of professional and support services. However, certain disadvantages accompany incorporation in the Cayman Islands. These disadvantages include:

- the Cayman Islands has a less exhaustive body of securities laws than the United States and these securities laws provide significantly less protection to investors; and
- Cayman Islands companies may not have standing to sue before the federal courts of the United States.

Our constitutional documents do not contain provisions requiring that disputes, including those arising under the securities laws of the United States, among us, our officers, directors and shareholders, be arbitrated.

We conduct a substantial amount of our operations in China, and a substantial amount of our assets are located in China. A majority our officers are nationals or residents of jurisdictions other than the United States and a substantial portion of their assets are located outside the United States. As a result, it may be difficult or impossible for a shareholder to effect service of process within the United States upon us or these persons, or to enforce against us or them judgments obtained in United States courts, including judgments predicated upon the civil liability provisions of the securities laws of the United States or any state in the United States. It may also be difficult for shareholder to enforce judgments obtained in U.S. courts based on the civil liability provisions of the U.S. federal securities laws against us and our executive officers and directors.

We have appointed Cogency Global Inc. as our agent upon whom process may be served in any action brought against us under the securities laws of the United States.

The courts of the Cayman Islands are unlikely (i) to recognize or enforce against us, judgments of courts of the United States obtained against us or our directors or officers predicated upon the civil liability provisions of the securities laws of the United States or any state in the United States; and (ii) in original actions brought in the Cayman Islands, to impose liabilities against us or our directors or officers predicated upon the civil liability provisions of the securities laws of the United States or any state in the United States, so far as the liabilities imposed by those provisions are penal in nature. In those circumstances, although there is currently no statutory enforcement or treaty between the United States and the Cayman Islands providing for enforcement of judgments obtained in the United States. The courts of the Cayman Islands will recognize and enforce a foreign money judgment of a foreign court of competent jurisdiction without retrial on the merits based on the principle that a judgment of a competent foreign court imposes upon the judgment debtor an obligation to pay the sum for which judgment has been given provided certain conditions are met. For a foreign judgment to be enforced in the Cayman Islands, such judgment must be final and conclusive, given by a court of competent jurisdiction (the courts of the Cayman Islands will apply the rules of Cayman Islands private international law to determine whether the foreign court is a court of competent jurisdiction), and must not be in respect of taxes or a fine or penalty, inconsistent with a Cayman Islands judgment in respect of the same matter, impeachable on the grounds of fraud or obtained in a manner, and/or be of a kind the enforcement of which is, contrary to natural justice or the public policy of the Cayman Islands. Furthermore, it is uncertain that Cayman Islands courts would enforce: (1) judgments of U.S. courts obtained in actions against us or other persons that are predicated upon the civil liability provisions of the U.S. federal securities laws; or (2) original actions brought against us or other persons predicated upon the Securities Act. Ogier has informed us that there is uncertainty with regard to Cayman Islands law relating to whether a judgment obtained from the U.S. courts under civil liability provisions of the securities laws will be determined by the courts of the Cayman Islands as penal, punitive in nature. A Cayman Islands Court may stay enforcement proceedings if concurrent proceedings are being brought elsewhere.

Our PRC legal counsel, Dacheng, has advised us that there is uncertainty as to whether PRC courts would (i) recognize or enforce judgments of United States courts obtained against us or our directors or officers predicated upon the civil liability provisions of the securities laws of the United States or any state in the United States, or (ii) entertain original actions brought in each respective jurisdiction against us or our directors or officers predicated upon the securities laws of the United States or any state in the United States. Our PRC legal counsel, Dacheng, has advised us that the PRC Civil Procedures Law governs the recognition and enforcement of foreign judgments. PRC courts may recognize and enforce foreign judgments in accordance with the PRC Civil Procedures Law based either on treaties between China and the country where the judgment is made or on principles of reciprocity between jurisdictions. The PRC does not have any treaties or other agreements with the United States or the Cayman Islands that provide for the reciprocal recognition and enforcement of foreign judgments. According to the PRC Civil Procedures Law, courts in the PRC will not enforce a foreign judgment against us or our directors and officers if they determine that the judgment violates the basic principles of PRC law or national sovereignty, security or public interest. As a result, it is uncertain whether a PRC court would enforce a judgment rendered by a court in the United States or the Cayman Islands. Under the PRC Civil Procedures Law, foreign shareholders may originate actions based on PRC law against us in the PRC, if they can establish sufficient nexus to the PRC for a PRC court to have jurisdiction, and meet other procedural requirements, including, among others, the plaintiff must have a direct interest in the case, and there must be a concrete claim, a factual basis and a cause for the suit. It will be difficult for U.S. shareholders to originate actions against us in China in accordance with PRC laws because we are incorporated under the laws of the Cayman Islands and it will be difficult for U.S. shareholders, by virtue only of holding our ordinary shares, to establish a connection to China for a PRC court to have jurisdiction as required under the PRC Civil Procedures Law.

See “*Item 3. Key Information—D. Risk Factors—Risks Related to Doing Business in China—You may experience difficulties in effecting service of legal process, enforcing foreign judgments, or bringing actions in China against us or our management named in this annual report based on foreign laws*” and “*Item 3. Key Information—D. Risk Factors—Risks Related to Our Ordinary Shares—Certain judgments obtained against us by our shareholders may not be enforceable*” in the 2023 Annual Report.

PART II

INFORMATION NOT REQUIRED IN PROSPECTUS

Item 8. Indemnification of Directors and Officers

Cayman Islands law does not limit the extent to which a company's articles of association may provide indemnification of officers and directors, except to the extent any such provision may be held by the Cayman Islands courts to be contrary to the public policy, such as providing indemnification against civil fraud or the consequences of committing a crime.

Our amended and restated memorandum and articles of association provide that to the extent permitted by law, the Company shall indemnify each existing or former director (including alternate director), secretary and other officer (including an investment adviser or an administrator or liquidator) and their personal representatives against: (a) all actions, proceedings, costs, charges, expenses, losses, damages or liabilities incurred or sustained by the existing or former director (including alternate director), secretary and other officer in or about the conduct of the Company's business or affairs or in the execution or discharge of the existing or former director's (including alternate director), secretary's or officer's duties, powers, authorities or discretions; and (b) without limitation to paragraph (a), all costs, expenses, losses or liabilities incurred by the existing or former director (including alternate director), secretary and other officer in defending (whether successfully or otherwise) any civil, criminal, administrative or investigative proceedings (whether threatened, pending or completed) concerning the Company or its affairs in any court or tribunal, whether in the Cayman Islands or elsewhere. No such existing or former director (including alternate director), secretary and other officer, however, shall be indemnified in respect of any matter arising out of his own dishonesty. See our amended and restated memorandum and articles of association filed as Exhibit 1.1 to the 2023 Annual Report.

We have entered into indemnification agreements with each of our directors and executive officers. Under these agreements, we have agreed to indemnify our directors and executive officers against all liabilities and expenses incurred by such persons in connection with claims made by reason of their being a director or officer of our Company to the fullest extent permitted by law with certain limited exceptions. The form of indemnification agreement is filed as Exhibit 4.2 to the 2023 Annual Report, which is incorporated herein by reference.

Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers or persons controlling us under the foregoing provisions, we have been informed that in the opinion of the SEC such indemnification is against public policy as expressed in the Securities Act and is therefore unenforceable.

Item 9. Exhibits

Exhibit No.	Description
1.1*	Form of Underwriting Agreement
4.1	Specimen Certificate for Ordinary Shares (incorporated herein by reference to Exhibit 4.1 to the registration statement on Form F-1 (File No. 333-254558), as amended, initially filed with the Securities and Exchange Commission on March 22, 2021)
4.2*	Form of Debt Security
4.3*	Form of Warrant Agreement and Warrant Certificate
4.4*	Form of Right Agreement and Right Certificate
4.5*	Form of Unit Agreement and Unit Certificate
4.6***	Form of indenture with respect to senior debt securities, to be entered into between registrant and a trustee acceptable to the registrant, if any
4.7***	Form of indenture with respect to subordinated debt securities, to be entered into between registrant and a trustee acceptable to the registrant, if any
5.1***	Opinion of Ogier (Cayman) LLP as to the legality of the securities being registered
23.1***	Consent of Enrome LLP
23.2***	Consent of Ogier (Cayman) LLP (included in Exhibit 5.1)
23.3***	Consent of Beijing Dacheng Law Offices, LLP (Fuzhou)
24.1***	Powers of Attorney (included on signature page)
25.1**	Form T-1 Statement of Eligibility under the Trust Indenture Act of 1939 of the Trustee under the Senior Debt Securities Indenture
25.2**	Form T-1 Statement of Eligibility under the Trust Indenture Act of 1939 of the Trustee under the Subordinated Debt Securities Indenture
107***	Filing fee table

* To be filed, if applicable, by amendment or as an exhibit to a report filed pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934, as amended, and incorporated herein by reference.

** To be filed, if necessary, on electronic Form 305b2 pursuant to Section 305(b)(2) of the Trust Indenture Act of 1939.

*** Filed herewith

Item 10 Undertakings

(a) The undersigned registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:

(i) To include any prospectus required by Section 10(a)(3) of the Securities Act of 1933;

(ii) To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the U.S. Securities and Exchange Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than 20 percent change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement.

(iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement.

provided, however, that paragraphs (a)(1)(i), (a)(1)(ii), and (a)(1)(iii) of this section do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the Securities and Exchange Commission by the registrant pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in the registration statement, or is contained in a form of prospectus filed pursuant to Rule 424(b).

(2) That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(4) To file a post-effective amendment to the registration statement to include any financial statements required by Item 8.A. of Form 20-F at the start of any delayed offering or throughout a continuous offering. Financial statements and information otherwise required by Section 10(a)(3) of the Securities Act of 1933 need not be furnished, provided, that the registrant includes in the prospectus, by means of a post-effective amendment, financial statements required pursuant to this paragraph (4) and other information necessary to ensure that all other information in the prospectus is at least as current as the date of those financial statements. Notwithstanding the foregoing, a post-effective amendment need not be filed to include financial statements and information required by Section 10(a)(3) of the Securities Act of 1933 or Rule 3-19 of Regulation S-K if such financial statements and information are contained in periodic reports filed with or furnished to the SEC by the registrant pursuant to Section 13 or Section 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in this registration statement.

(5) That, for the purpose of determining liability under the Securities Act of 1933 to any purchaser:

(i) Each prospectus filed by the registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and

- (ii) Each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5), or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vii), or (x) for the purpose of providing the information required by Section 10(a) of the Securities Act of 1933 shall be deemed to be part of and included in the registration statement as of the earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which that prospectus relates, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof. *Provided, however,* that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such effective date.
- (6) That, for the purpose of determining liability of the registrant under the Securities Act of 1933 to any purchaser in the initial distribution of the securities: The undersigned registrant undertakes that in a primary offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:
 - (i) Any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424;
 - (ii) Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;
 - (iii) The portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and
 - (iv) Any other communication that is an offer in the offering made by the undersigned registrant to the purchaser.
- (b) That, for purposes of determining any liability under the Securities Act of 1933, each filing of the registrant's annual report pursuant to section 13(a) or section 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.
- (c) Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Act and will be governed by the final adjudication of such issue.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form F-3 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, on July 19, 2024.

Sentage Holdings Inc.

By: /s/ Qiaoling Lu

Name: Qiaoling Lu

Title: Chief Executive Officer,
Chairman of the Board of Directors, and Director

Power of Attorney

Each person whose signature appears below hereby constitutes and appoints Qiaoling Lu, and each of them, individually, his true and lawful attorneys-in-fact and agents, with full power of substitution and re-substitution, in his name, place and stead, in any and all capacities (including his capacity as a director and/or officer of the registrant), to sign any and all amendments and post-effective amendments and supplements to this registration statement, and including any registration statement for the same offering that is to be effective upon filing pursuant to Rule 462(b) under the U.S. Securities Act of 1933, as amended, and to file the same, with all exhibits thereto and other documents in connection therewith, with the U.S. Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully to all intents and purposes as he might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents or any of them, or his substitute, may lawfully do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities and on the dates indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Qiaoling Lu</u> Name: Qiaoling Lu	Chief Executive Officer (Principal Executive Officer), Chairman of the Board of Directors, and Director	July 19, 2024
<u>/s/ Jianhua Chen</u> Name: Jianhua Chen	Chief Financial Officer (Principal Accounting and Financial officer)	July 19, 2024
<u>/s/ Yiheng Guo</u> Name: Yiheng Guo	Director	July 19, 2024
<u>/s/ Michael John Viotto</u> Name: Michael John Viotto	Independent Director	July 19, 2024
<u>/s/ Angel Colon</u> Name: Angel Colon	Independent Director	July 19, 2024
<u>/s/ Shengsong Wang</u> Name: Shengsong Wang	Independent Director	July 19, 2024

SIGNATURE OF AUTHORIZED REPRESENTATIVE IN THE UNITED STATES

Pursuant to the Securities Act of 1933 as amended, the undersigned, the duly authorized representative in the United States of America of Sentage Holdings Inc., has signed this registration statement thereto in New York, NY on July 19, 2024.

Cogency Global Inc.
Authorized U.S. Representative

By: /s/ Colleen A. De Vries
Name: Colleen A. De Vries
Title: Senior Vice President on behalf of Cogency Global Inc.

SENTAGE HOLDINGS INC.

(the “Issuer”)

AND

[TRUSTEE]

(the “Trustee”)

INDENTURE

Dated as of [•], 20[•]

Senior Debt Securities

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(1) This Table of Contents does not constitute part of the Indenture and shall not have any bearing on the interpretation of any of its terms or provisions.

INDENTURE

INDENTURE, dated as of [●], 20[●], among Sentage Holdings Inc, a Cayman Islands exempted company with limited liability (the “Company”), and [TRUSTEE], as trustee (the “Trustee”).

WHEREAS, for its lawful corporate purposes, the Company has duly authorized the execution and delivery of this Indenture to provide for the issuance of debt securities (hereinafter referred to as the “Securities”), in an unlimited aggregate principal amount to be issued from time to time in one or more series as in this Indenture provided, as registered Securities without coupons, to be authenticated by the certificate of the Trustee;

WHEREAS, to provide the terms and conditions upon which the Securities are to be authenticated, issued and delivered, the Company has duly authorized the execution of this Indenture; and

WHEREAS, all things necessary to make this Indenture a valid agreement of the Company, in accordance with its terms, have been done.

NOW, THEREFORE, in consideration of the premises and the purchase of the Securities by the holders thereof, it is mutually covenanted and agreed as follows for the equal and ratable benefit of the holders of Securities:

ARTICLE 1

DEFINITIONS

Section 1.01 Definitions of Terms.

The terms defined in this Section (except as in this Indenture or any indenture supplemental hereto otherwise expressly provided or unless the context otherwise requires) for all purposes of this Indenture and of any indenture supplemental hereto shall have the respective meanings specified in this Section and shall include the plural as well as the singular. All other terms used in this Indenture that are defined in the Trust Indenture Act of 1939, as amended, or that are by reference in such Act defined in the Securities Act of 1933, as amended (except as herein or any indenture supplemental hereto otherwise expressly provided or unless the context otherwise requires), shall have the meanings assigned to such terms in said Trust Indenture Act and in said Securities Act as in force at the date of the execution of this instrument.

“*Authenticating Agent*” means an authenticating agent with respect to all or any of the series of Securities appointed by the Trustee pursuant to Section 2.10.

“*Bankruptcy Law*” means Title 11, U.S. Code, or any similar federal or state law for the relief of debtors.

“*Board of Directors*” means the Board of Directors of the Company or any duly authorized committee of such Board.

“**Board Resolution**” means a copy of a resolution certified by any director of the Company to have been duly adopted by the Board of Directors and to be in full force and effect on the date of such certification.

“**Business Day**” means, with respect to any series of Securities, any day other than a day on which federal or state banking institutions in the Borough of Manhattan, the City of New York, or in the city of the Corporate Trust Office of the Trustee, are authorized or obligated by law, executive order or regulation to close.

“**Certificate**” means a certificate signed by any Officer. The Certificate need not comply with the provisions of Section 13.07.

“**Company**” means Sentage Holdings Inc, a Cayman Islands exempted company with limited liability, and, subject to the provisions of Article Ten, shall also include its successors and assigns.

“**Corporate Trust Office**” means the office of the Trustee at which, at any particular time, its corporate trust business shall be principally administered, which office at the date hereof is located at [].

“**Custodian**” means any receiver, trustee, assignee, liquidator or similar official under any Bankruptcy Law.

“**Default**” means any event, act or condition that with notice or lapse of time, or both, would constitute an Event of Default.

“**Depository**” means, with respect to Securities of any series for which the Company shall determine that such Securities will be issued as a Global Security, The Depository Trust Company, New York, New York, another clearing agency, or any successor registered as a clearing agency under the Securities and Exchange Act of 1934, as amended (the “Exchange Act”), or other applicable statute or regulation, which, in each case, shall be designated by the Company pursuant to either Section 2.01 or 2.11.

“**Event of Default**” means, with respect to Securities of a particular series, any event specified in Section 6.01, continued for the period of time, if any, therein designated.

“**Global Security**” means, with respect to any series of Securities, a Security executed by the Company and delivered by the Trustee to the Depository or pursuant to the Depository’s instruction, all in accordance with the Indenture, which shall be registered in the name of the Depository or its nominee.

“**Governmental Obligations**” means securities that are (a) direct obligations of the United States of America for the payment of which its full faith and credit is pledged or (b) obligations of a Person controlled or supervised by and acting as an agency or instrumentality of the United States of America, the payment of which is unconditionally guaranteed as a full faith and credit obligation by the United States of America that, in either case, are not callable or redeemable at the option of the issuer thereof at any time prior to the stated maturity of the Securities, and shall also include a depository receipt issued by a bank or trust company as custodian with respect to any such Governmental Obligation or a specific payment of principal of or interest on any such Governmental Obligation held by such custodian for the account of the holder of such depository receipt; provided, however, that (except as required by law) such custodian is not authorized to make any deduction from the amount payable to the holder of such depository receipt from any amount received by the custodian in respect of the Governmental Obligation or the specific payment of principal of or interest on the Governmental Obligation evidenced by such depository receipt.

“*herein*”, “*hereof*” and “*hereunder*”, and other words of similar import, refer to this Indenture as a whole and not to any particular Article, Section or other subdivision.

“*Indenture*” means this instrument as originally executed or as it may from time to time be supplemented or amended by one or more indentures supplemental hereto entered into in accordance with the terms hereof.

“*Interest Payment Date*”, when used with respect to any installment of interest on a Security of a particular series, means the date specified in such Security or in a Board Resolution or in an indenture supplemental hereto with respect to such series as the fixed date on which an installment of interest with respect to Securities of that series is due and payable.

“*Officer*” means, with respect to the Company, the chairman of the Board of Directors, a chief executive officer, a president, a chief financial officer, chief operating officer, any executive vice president, any senior vice president, any vice president, the treasurer or any assistant treasurer, the controller or any assistant controller or the secretary or any assistant secretary.

“*Officers’ Certificate*” means a certificate signed by any two Officers. Each such certificate shall include the statements provided for in Section 13.07, if and to the extent required by the provisions thereof.

“*Opinion of Counsel*” means an opinion in writing subject to customary exceptions of legal counsel, who may be an employee of or counsel for the Company, that is delivered to the Trustee in accordance with the terms hereof. Each such opinion shall include the statements provided for in Section 13.07, if and to the extent required by the provisions thereof.

“*Outstanding*”, when used with reference to Securities of any series, means, subject to the provisions of Section 8.04, as of any particular time, all Securities of that series theretofore authenticated and delivered by the Trustee under this Indenture, except (a) Securities theretofore canceled by the Trustee or any paying agent, or delivered to the Trustee or any paying agent for cancellation or that have previously been canceled; (b) Securities or portions thereof for the payment or redemption of which moneys or Governmental Obligations in the necessary amount shall have been deposited in trust with the Trustee or with any paying agent (other than the Company) or shall have been set aside and segregated in trust by the Company (if the Company shall act as its own paying agent); provided, however, that if such Securities or portions of such Securities are to be redeemed prior to the maturity thereof, notice of such redemption shall have been given as in Article Three provided, or provision satisfactory to the Trustee shall have been made for giving such notice; and (c) Securities in lieu of or in substitution for which other Securities shall have been authenticated and delivered pursuant to the terms of Section 2.07.

“**Person**” means any individual, corporation, partnership, joint venture, joint-stock company, limited liability company, association, trust, unincorporated organization, any other entity or organization, including a government or political subdivision or an agency or instrumentality thereof.

“**Predecessor Security**” of any particular Security means every previous Security evidencing all or a portion of the same debt as that evidenced by such particular Security; and, for the purposes of this definition, any Security authenticated and delivered under Section 2.07 in lieu of a lost, destroyed or stolen Security shall be deemed to evidence the same debt as the lost, destroyed or stolen Security.

“**Responsible Officer**” when used with respect to the Trustee means the chairman of its board of directors, the chief executive officer, the president, any vice president, the secretary, the treasurer, any trust officer, any corporate trust officer or any other officer or assistant officer of the Trustee customarily performing functions similar to those performed by the Persons who at the time shall be such officers, respectively, or to whom any corporate trust matter is referred because of his or her knowledge of and familiarity with the particular subject.

“**Securities**” means the debt Securities authenticated and delivered under this Indenture.

“**Securityholder**”, “holder of Securities”, “registered holder”, or other similar term, means the Person or Persons in whose name or names a particular Security shall be registered on the books of the Company kept for that purpose in accordance with the terms of this Indenture.

“**Security Register**” and “**Security Registrar**” shall have the meanings as set forth in Section 2.05.

“**Subsidiary**” means, with respect to any Person, (i) any corporation at least a majority of whose outstanding Voting Stock shall at the time be owned, directly or indirectly, by such Person or by one or more of its Subsidiaries or by such Person and one or more of its Subsidiaries, (ii) any general partnership, joint venture or similar entity, at least a majority of whose outstanding partnership or similar interests shall at the time be owned by such Person, or by one or more of its Subsidiaries, or by such Person and one or more of its Subsidiaries and (iii) any limited partnership of which such Person or any of its Subsidiaries is a general partner.

“**Trustee**” means , and, subject to the provisions of Article Seven, shall also include its successors and assigns, and, if at any time there is more than one Person acting in such capacity hereunder, “Trustee” shall mean each such Person. The term “Trustee” as used with respect to a particular series of the Securities shall mean the trustee with respect to that series.

“**Trust Indenture Act**” means the Trust Indenture Act of 1939, as amended.

“**Voting Stock**”, as applied to stock of any Person, means shares, interests, participations or other equivalents in the equity interest (however designated) in such Person having ordinary voting power for the election of a majority of the directors (or the equivalent) of such Person, other than shares, interests, participations or other equivalents having such power only by reason of the occurrence of a contingency.

ARTICLE 2

ISSUE, DESCRIPTION, TERMS, EXECUTION, REGISTRATION AND EXCHANGE OF SECURITIES

Section 2.01 Designation and Terms of Securities.

(a) The aggregate principal amount of Securities that may be authenticated and delivered under this Indenture is unlimited. The Securities may be issued in one or more series up to the aggregate principal amount of Securities of that series from time to time authorized by or pursuant to a Board Resolution or pursuant to one or more indentures supplemental hereto. Prior to the initial issuance of Securities of any series, there shall be established in or pursuant to a Board Resolution, and set forth in an Officers' Certificate, or established in one or more indentures supplemental hereto:

(1) the title of the Securities of the series (which shall distinguish the Securities of that series from all other Securities);

(2) any limit upon the aggregate principal amount of the Securities of that series that may be authenticated and delivered under this Indenture (except for Securities authenticated and delivered upon registration of transfer of, or in exchange for, or in lieu of, other Securities of that series);

(3) the date or dates on which the principal of the Securities of the series is payable, any original issue discount that may apply to the Securities of that series upon their issuance, the principal amount due at maturity, and the place(s) of payment;

(4) the rate or rates at which the Securities of the series shall bear interest or the manner of calculation of such rate or rates, if any;

(5) the date or dates from which such interest shall accrue, the Interest Payment Dates on which such interest will be payable or the manner of determination of such Interest Payment Dates, the place(s) of payment, and the record date for the determination of holders to whom interest is payable on any such Interest Payment Dates or the manner of determination of such record dates;

(6) the right, if any, to extend the interest payment periods and the duration of such extension;

(7) the period or periods within which, the price or prices at which and the terms and conditions upon which Securities of the series may be redeemed, in whole or in part, at the option of the Company;

(8) the obligation, if any, of the Company to redeem or purchase Securities of the series pursuant to any sinking fund, mandatory redemption, or analogous provisions (including payments made in cash in satisfaction of future sinking fund obligations) or at the option of a holder thereof and the period or periods within which, the price or prices at which, and the terms and conditions upon which, Securities of the series shall be redeemed or purchased, in whole or in part, pursuant to such obligation;

(9) the form of the Securities of the series including the form of the Certificate of Authentication for such series;

(10) if other than denominations of one thousand U.S. dollars (\$1,000) or any integral multiple thereof, the denominations in which the Securities of the series shall be issuable;

(11) any and all other terms (including terms, to the extent applicable, relating to any auction or remarketing of the Securities of that series and any security for the obligations of the Company with respect to such Securities) with respect to such series (which terms shall not be inconsistent with the terms of this Indenture, as amended by any supplemental indenture) including any terms which may be required by or advisable under United States laws or regulations or advisable in connection with the marketing of Securities of that series;

(12) whether the Securities are issuable as a Global Security and, in such case, the terms and the identity of the Depository for such series;

(13) whether the Securities will be convertible into or exchangeable for ordinary shares or other securities of the Company or any other Person and, if so, the terms and conditions upon which such Securities will be so convertible or exchangeable, including the conversion or exchange price, as applicable, or how it will be calculated and may be adjusted, any mandatory or optional (at the Company's option or the holders' option) conversion or exchange features, and the applicable conversion or exchange period;

(14) if other than the principal amount thereof, the portion of the principal amount of Securities of the series which shall be payable upon declaration of acceleration of the maturity thereof pursuant to Section 6.01;

(15) any additional or different Events of Default or restrictive covenants (which may include, among other restrictions, restrictions on the Company's ability or the ability of the Company's Subsidiaries to: incur additional indebtedness; issue additional securities; create liens; pay dividends or make distributions in respect of their capital stock; redeem capital stock; place restrictions on such Subsidiaries placing restrictions on their ability to pay dividends, make distributions or transfer assets; make investments or other restricted payments; sell or otherwise dispose of assets; enter into sale-leaseback transactions; engage in transactions with shareholders and affiliates; issue or sell shares of their Subsidiaries; or effect a consolidation or merger) or financial covenants (which may include, among other financial covenants, financial covenants that require the Company and its Subsidiaries to maintain specified interest coverage, fixed charge, cash flow-based or asset-based ratios) provided for with respect to the Securities of the series;

(16) if other than dollars, the coin or currency in which the Securities of the series are denominated (including, but not limited to, foreign currency);

(17) the terms and conditions, if any, upon which the Company shall pay amounts in addition to the stated interest, premium, if any and principal amounts of the Securities of the series to any Securityholder that is not a "United States person" for federal tax purposes; and

(18) any restrictions on transfer, sale or assignment of the Securities of the series.

All Securities of any one series shall be substantially identical except as to denomination and except as may otherwise be provided in or pursuant to any such Board Resolution or in any indentures supplemental hereto.

If any of the terms of the series are established by action taken pursuant to a Board Resolution of the Company, a copy of an appropriate record of such action shall be certified by the secretary or an assistant secretary of the Company and delivered to the Trustee at or prior to the delivery of the Officers' Certificate of the Company setting forth the terms of the series.

Securities of any particular series may be issued at various times, with different dates on which the principal or any installment of principal is payable, with different rates of interest, if any, or different methods by which rates of interest may be determined, with different dates on which such interest may be payable and with different redemption dates.

Section 2.02 Form of Securities and Trustee's Certificate.

The Securities of any series and the Trustee's certificate of authentication to be borne by such Securities shall be substantially of the tenor and purport as set forth in one or more indentures supplemental hereto or as provided in a Board Resolution, and set forth in an Officers' Certificate, and they may have such letters, numbers or other marks of identification or designation and such legends or endorsements printed, lithographed or engraved thereon as the Company may deem appropriate and as are not inconsistent with the provisions of this Indenture, or as may be required to comply with any law or with any rule or regulation made pursuant thereto or with any rule or regulation of any securities exchange on which Securities of that series may be listed, or to conform to usage.

Section 2.03 Denominations: Provisions for Payment.

The Securities shall be issuable as registered Securities and in the denominations of one thousand U.S. dollars (\$1,000) or any integral multiple thereof, subject to Section 2.01(a)(10). The Securities of a particular series shall bear interest payable on the dates and at the rate specified with respect to that series. Subject to Section 2.01(a)(16), the principal of and the interest on the Securities of any series, as well as any premium thereon in case of redemption thereof prior to maturity, shall be payable in the coin or currency of the United States of America that at the time is legal tender for public and private debt, at the office or agency of the Company maintained for that purpose in the Borough of Manhattan, the City and State of New York. Each Security shall be dated the date of its authentication. Interest on the Securities shall be computed on the basis of a 360-day year composed of twelve 30-day months.

The interest installment on any Security that is payable, and is punctually paid or duly provided for, on any Interest Payment Date for Securities of that series shall be paid to the Person in whose name said Security (or one or more Predecessor Securities) is registered at the close of business on the regular record date for such interest installment. In the event that any Security of a particular series or portion thereof is called for redemption and the redemption date is subsequent to a regular record date with respect to any Interest Payment Date and prior to such Interest Payment Date, interest on such Security will be paid upon presentation and surrender of such Security as provided in Section 3.03.

Any interest on any Security that is payable, but is not punctually paid or duly provided for, on any Interest Payment Date for Securities of the same series (herein called "Defaulted Interest") shall forthwith cease to be payable to the registered holder on the relevant regular record date by virtue of having been such holder; and such Defaulted Interest shall be paid by the Company, at its election, as provided in clause (1) or clause (2) below:

(1) The Company may make payment of any Defaulted Interest on Securities to the Persons in whose names such Securities (or their respective Predecessor Securities) are registered at the close of business on a special record date for the payment of such Defaulted Interest, which shall be fixed in the following manner: the Company shall notify the Trustee in writing of the amount of Defaulted Interest proposed to be paid on each such Security and the date of the proposed payment, and at the same time the Company shall deposit with the Trustee an amount of money equal to the aggregate amount proposed to be paid in respect of such Defaulted Interest or shall make arrangements satisfactory to the Trustee for such deposit prior to the date of the proposed payment, such money when deposited to be held in trust for the benefit of the Persons entitled to such Defaulted Interest as in this clause provided. Thereupon the Trustee shall fix a special record date for the payment of such Defaulted Interest which shall not be more than 15 nor less than 10 days prior to the date of the proposed payment and not less than 10 days after the receipt by the Trustee of the notice of the proposed payment. The Trustee shall promptly notify the Company of such special record date and, in the name and at the expense of the Company, shall cause notice of the proposed payment of such Defaulted Interest and the special record date therefor to be mailed, first class postage prepaid, to each Securityholder at his or her address as it appears in the Security Register (as hereinafter defined), not less than 10 days prior to such special record date. Notice of the proposed payment of such Defaulted Interest and the special record date therefor having been mailed as aforesaid, such Defaulted Interest shall be paid to the Persons in whose names such Securities (or their respective Predecessor Securities) are registered on such special record date.

(2) The Company may make payment of any Defaulted Interest on any Securities in any other lawful manner not inconsistent with the requirements of any securities exchange on which such Securities may be listed, and upon such notice as may be required by such exchange, if, after notice given by the Company to the Trustee of the proposed payment pursuant to this clause, such manner of payment shall be deemed practicable by the Trustee.

Unless otherwise set forth in a Board Resolution or one or more indentures supplemental hereto establishing the terms of any series of Securities pursuant to Section 2.01 hereof, the term “regular record date” as used in this Section with respect to a series of Securities and any Interest Payment Date for such series shall mean either the fifteenth day of the month immediately preceding the month in which an Interest Payment Date established for such series pursuant to Section 2.01 hereof shall occur, if such Interest Payment Date is the first day of a month, or the first day of the month in which an Interest Payment Date established for such series pursuant to Section 2.01 hereof shall occur, if such Interest Payment Date is the fifteenth day of a month, whether or not such date is a Business Day.

Subject to the foregoing provisions of this Section, each Security of a series delivered under this Indenture upon transfer of or in exchange for or in lieu of any other Security of such series shall carry the rights to interest accrued and unpaid, and to accrue, that were carried by such other Security.

Section 2.04 Execution and Authentication.

The Securities shall be signed on behalf of the Company by one of its Directors. Signatures may be in the form of a manual or facsimile signature.

The Company may use the facsimile signature of any Person who shall have been an Officer, notwithstanding the fact that at the time the Securities shall be authenticated and delivered or disposed of such Person shall have ceased to be such an officer of the Company. The Securities may contain such notations, legends or endorsements required by law, stock exchange rule or usage. Each Security shall be dated the date of its authentication by the Trustee.

A Security shall not be valid until authenticated manually by an authorized signatory of the Trustee, or by an Authenticating Agent. Such signature shall be conclusive evidence that the Security so authenticated has been duly authenticated and delivered hereunder and that the holder is entitled to the benefits of this Indenture. At any time and from time to time after the execution and delivery of this Indenture, the Company may deliver Securities of any series executed by the Company to the Trustee for authentication, together with a written order of the Company for the authentication and delivery of such Securities, signed by an Officer, and the Trustee in accordance with such written order shall authenticate and deliver such Securities.

In authenticating such Securities and accepting the additional responsibilities under this Indenture in relation to such Securities, the Trustee shall be entitled to receive, and (subject to Section 7.01) shall be fully protected in relying upon, an Opinion of Counsel stating that the form and terms thereof have been established in conformity with the provisions of this Indenture.

The Trustee shall not be required to authenticate such Securities if the issue of such Securities pursuant to this Indenture will affect the Trustee’s own rights, duties or immunities under the Securities and this Indenture or otherwise in a manner that is not reasonably acceptable to the Trustee.

Section 2.05 Registration of Transfer and Exchange.

(a) Securities of any series may be exchanged upon presentation thereof at the office or agency of the Company designated for such purpose in the Borough of Manhattan, the City and State of New York, for other Securities of such series of authorized denominations, and for a like aggregate principal amount, upon payment of a sum sufficient to cover any tax or other governmental charge in relation thereto, all as provided in this Section. In respect of any Securities so surrendered for exchange, the Company shall execute, the Trustee shall authenticate and such office or agency shall deliver in exchange therefor the Security or Securities of the same series that the Securityholder making the exchange shall be entitled to receive, bearing numbers not contemporaneously outstanding.

(b) The Company shall keep, or cause to be kept, at its office or agency designated for such purpose in the Borough of Manhattan, the City and State of New York, or such other location designated by the Company, a register or registers (herein referred to as the "Security Register") in which, subject to such reasonable regulations as it may prescribe, the Company shall register the Securities and the transfers of Securities as in this Article provided and which at all reasonable times shall be open for inspection by the Trustee. The registrar for the purpose of registering Securities and transfer of Securities as herein provided shall be appointed as authorized by Board Resolution (the "Security Registrar").

Upon surrender for transfer of any Security at the office or agency of the Company designated for such purpose, the Company shall execute, the Trustee shall authenticate and such office or agency shall deliver in the name of the transferee or transferees a new Security or Securities of the same series as the Security presented for a like aggregate principal amount.

All Securities presented or surrendered for exchange or registration of transfer, as provided in this Section, shall be accompanied (if so required by the Company or the Security Registrar) by a written instrument or instruments of transfer, in form satisfactory to the Company or the Security Registrar, duly executed by the registered holder or by such holder's duly authorized attorney in writing.

(c) Except as provided pursuant to Section 2.01 pursuant to a Board Resolution, and set forth in an Officers' Certificate, or established in one or more indentures supplemental to this Indenture, no service charge shall be made for any exchange or registration of transfer of Securities, or issue of new Securities in case of partial redemption of any series, but the Company may require payment of a sum sufficient to cover any tax or other governmental charge in relation thereto, other than exchanges pursuant to Section 2.06, Section 3.03(b) and Section 9.04 not involving any transfer.

(d) The Company shall not be required (i) to issue, exchange or register the transfer of any Securities during a period beginning at the opening of business 15 days before the day of the mailing of a notice of redemption of less than all the Outstanding Securities of the same series and ending at the close of business on the day of such mailing, nor (ii) to register the transfer of or exchange any Securities of any series or portions thereof called for redemption, other than the unredeemed portion of any such Securities being redeemed in part. The provisions of this Section 2.05 are, with respect to any Global Security, subject to Section 2.11 hereof.

Section 2.06 Temporary Securities.

Pending the preparation of definitive Securities of any series, the Company may execute, and the Trustee shall authenticate and deliver, temporary Securities (printed, lithographed or typewritten) of any authorized denomination. Such temporary Securities shall be substantially in the form of the definitive Securities in lieu of which they are issued, but with such omissions, insertions and variations as may be appropriate for temporary Securities, all as may be determined by the Company. Every temporary Security of any series shall be executed by the Company and be authenticated by the Trustee upon the same conditions and in substantially the same manner, and with like effect, as the definitive Securities of such series. Without unnecessary delay the Company will execute and will furnish definitive Securities of such series and thereupon any or all temporary Securities of such series may be surrendered in exchange therefor (without charge to the holders), at the office or agency of the Company designated for the purpose in the Borough of Manhattan, the City and State of New York, and the Trustee shall authenticate and such office or agency shall deliver in exchange for such temporary Securities an equal aggregate principal amount of definitive Securities of such series, unless the Company advises the Trustee to the effect that definitive Securities need not be executed and furnished until further notice from the Company. Until so exchanged, the temporary Securities of such series shall be entitled to the same benefits under this Indenture as definitive Securities of such series authenticated and delivered hereunder.

Section 2.07 Mutilated, Destroyed, Lost or Stolen Securities.

In case any temporary or definitive Security shall become mutilated or be destroyed, lost or stolen, the Company (subject to the next succeeding sentence) shall execute, and upon the Company's request the Trustee (subject as aforesaid) shall authenticate and deliver, a new Security of the same series, bearing a number not contemporaneously outstanding, in exchange and substitution for the mutilated Security, or in lieu of and in substitution for the Security so destroyed, lost or stolen. In every case the applicant for a substituted Security shall furnish to the Company and the Trustee such security or indemnity as may be required by them to save each of them harmless, and, in every case of destruction, loss or theft, the applicant shall also furnish to the Company and the Trustee evidence to their satisfaction of the destruction, loss or theft of the applicant's Security and of the ownership thereof. The Trustee may authenticate any such substituted Security and deliver the same upon the written request or authorization of any officer of the Company. Upon the issuance of any substituted Security, the Company may require the payment of a sum sufficient to cover any tax or other governmental charge that may be imposed in relation thereto and any other expenses (including the fees and expenses of the Trustee) connected therewith.

In case any Security that has matured or is about to mature shall become mutilated or be destroyed, lost or stolen, the Company may, instead of issuing a substitute Security, pay or authorize the payment of the same (without surrender thereof except in the case of a mutilated Security) if the applicant for such payment shall furnish to the Company and the Trustee such security or indemnity as they may require to save them harmless, and, in case of destruction, loss or theft, evidence to the satisfaction of the Company and the Trustee of the destruction, loss or theft of such Security and of the ownership thereof.

Every replacement Security issued pursuant to the provisions of this Section shall constitute an additional contractual obligation of the Company whether or not the mutilated, destroyed, lost or stolen Security shall be found at any time, or be enforceable by anyone, and shall be entitled to all the benefits of this Indenture equally and proportionately with any and all other Securities of the same series duly issued hereunder. All Securities shall be held and owned upon the express condition that the foregoing provisions are exclusive with respect to the replacement or payment of mutilated, destroyed, lost or stolen Securities, and shall preclude (to the extent lawful) any and all other rights or remedies, notwithstanding any law or statute existing or hereafter enacted to the contrary with respect to the replacement or payment of negotiable instruments or other securities without their surrender.

Section 2.08 Cancellation.

All Securities surrendered for the purpose of payment, redemption, exchange or registration of transfer shall, if surrendered to the Company or any paying agent, be delivered to the Trustee for cancellation, or, if surrendered to the Trustee, shall be cancelled by it, and no Securities shall be issued in lieu thereof except as expressly required or permitted by any of the provisions of this Indenture. In the absence of such request the Trustee may dispose of canceled Securities in accordance with its standard procedures and deliver a certificate of disposition to the Company. If the Company shall otherwise acquire any of the Securities, however, such acquisition shall not operate as a redemption or satisfaction of the indebtedness represented by such Securities unless and until the same are delivered to the Trustee for cancellation.

Section 2.09 Benefits of Indenture.

Nothing in this Indenture or in the Securities, express or implied, shall give or be construed to give to any Person, other than the parties hereto and the holders of the Securities any legal or equitable right, remedy or claim under or in respect of this Indenture, or under any covenant, condition or provision herein contained; all such covenants, conditions and provisions being for the sole benefit of the parties hereto and of the holders of the Securities.

Section 2.10 Authenticating Agent.

So long as any of the Securities of any series remain Outstanding there may be an Authenticating Agent for any or all such series of Securities which the Trustee shall have the right to appoint. Said Authenticating Agent shall be authorized to act on behalf of the Trustee to authenticate Securities of such series issued upon exchange, transfer or partial redemption thereof, and Securities so authenticated shall be entitled to the benefits of this Indenture and shall be valid and obligatory for all purposes as if authenticated by the Trustee hereunder. All references in this Indenture to the authentication of Securities by the Trustee shall be deemed to include authentication by an Authenticating Agent for such series. Each Authenticating Agent shall be acceptable to the Company and shall be a corporation that has a combined capital and surplus, as most recently reported or determined by it, sufficient under the laws of any jurisdiction under which it is organized or in which it is doing business to conduct a trust business, and that is otherwise authorized under such laws to conduct such business and is subject to supervision or examination by federal or state authorities. If at any time any Authenticating Agent shall cease to be eligible in accordance with these provisions, it shall resign immediately.

Any Authenticating Agent may at any time resign by giving written notice of resignation to the Trustee and to the Company. The Trustee may at any time (and upon request by the Company shall) terminate the agency of any Authenticating Agent by giving written notice of termination to such Authenticating Agent and to the Company. Upon resignation, termination or cessation of eligibility of any Authenticating Agent, the Trustee may appoint an eligible successor Authenticating Agent acceptable to the Company. Any successor Authenticating Agent, upon acceptance of its appointment hereunder, shall become vested with all the rights, powers and duties of its predecessor hereunder as if originally named as an Authenticating Agent pursuant hereto.

Section 2.11 Global Securities.

(a) If the Company shall establish pursuant to Section 2.01 that the Securities of a particular series are to be issued as a Global Security, then the Company shall execute and the Trustee shall, in accordance with Section 2.04, authenticate and deliver, a Global Security that (i) shall represent, and shall be denominated in an amount equal to the aggregate principal amount of, all of the Outstanding Securities of such series, (ii) shall be registered in the name of the Depository or its nominee, (iii) shall be delivered by the Trustee to the Depository or pursuant to the Depository's instruction and (iv) shall bear a legend substantially to the following effect: "Except as otherwise provided in Section 2.11 of the Indenture, this Security may be transferred, in whole but not in part, only to another nominee of the Depository or to a successor Depository or to a nominee of such successor Depository."

(b) Notwithstanding the provisions of Section 2.05, the Global Security of a series may be transferred, in whole but not in part and in the manner provided in Section 2.05, only to another nominee of the Depository for such series, or to a successor Depository for such series selected or approved by the Company or to a nominee of such successor Depository.

(c) If at any time the Depository for a series of the Securities notifies the Company that it is unwilling or unable to continue as Depository for such series or if at any time the Depository for such series shall no longer be registered or in good standing under the Exchange Act, or other applicable statute or regulation, and a successor Depository for such series is not appointed by the Company within 90 days after the Company receives such notice or becomes aware of such condition, as the case may be, or if an Event of Default has occurred and is continuing and the Company has received a request from the Depository, this Section 2.11 shall no longer be applicable to the Securities of such series and the Company will execute, and subject to Section 2.04, the Trustee will authenticate and deliver the Securities of such series in definitive registered form without coupons, in authorized denominations, and in an aggregate principal amount equal to the principal amount of the Global Security of such series in exchange for such Global Security. In addition, the Company may at any time determine that the Securities of any series shall no longer be represented by a Global Security and that the provisions of this Section 2.11 shall no longer apply to the Securities of such series. In such event the Company will execute and, subject to Section 2.04, the Trustee, upon receipt of an Officers' Certificate evidencing such determination by the Company, will authenticate and deliver the Securities of such series in definitive registered form without coupons, in authorized denominations, and in an aggregate principal amount equal to the principal amount of the Global Security of such series in exchange for such Global Security. Upon the exchange of the Global Security for such Securities in definitive registered form without coupons, in authorized denominations, the Global Security shall be canceled by the Trustee. Such Securities in definitive registered form issued in exchange for the Global Security pursuant to this Section 2.11(c) shall be registered in such names and in such authorized denominations as the Depository, pursuant to instructions from its direct or indirect participants or otherwise, shall instruct the Trustee. The Trustee shall deliver such Securities to the Depository for delivery to the Persons in whose names such Securities are so registered.

ARTICLE 3

REDEMPTION OF SECURITIES AND SINKING FUND PROVISIONS

Section 3.01 Redemption.

The Company may redeem the Securities of any series issued hereunder on and after the dates and in accordance with the terms established for such series pursuant to Section 2.01 hereof.

Section 3.02 Notice of Redemption.

(a) In case the Company shall desire to exercise such right to redeem all or, as the case may be, a portion of the Securities of any series in accordance with any right the Company reserved for itself to do so pursuant to Section 2.01 hereof, the Company shall, or shall cause the Trustee to, give notice of such redemption to holders of the Securities of such series to be redeemed by mailing, first class postage prepaid, a notice of such redemption not less than 30 days and not more than 90 days before the date fixed for redemption of that series to such holders at their last addresses as they shall appear upon the Security Register, unless a shorter period is specified in the Securities to be redeemed. Any notice that is mailed in the manner herein provided shall be conclusively presumed to have been duly given, whether or not the registered holder receives the notice. In any case, failure duly to give such notice to the holder of any Security of any series designated for redemption in whole or in part, or any defect in the notice, shall not affect the validity of the proceedings for the redemption of any other Securities of such series or any other series. In the case of any redemption of Securities prior to the expiration of any restriction on such redemption provided in the terms of such Securities or elsewhere in this Indenture, the Company shall furnish the Trustee with an Officers' Certificate evidencing compliance with any such restriction.

Each such notice of redemption shall specify the date fixed for redemption and the redemption price at which Securities of that series are to be redeemed, and shall state that payment of the redemption price of such Securities to be redeemed will be made at the office or agency of the Company in the Borough of Manhattan, the City and State of New York, upon presentation and surrender of such Securities, that interest accrued to the date fixed for redemption will be paid as specified in said notice, that from and after said date interest will cease to accrue and that the redemption is for a sinking fund, if such is the case. If less than all the Securities of a series are to be redeemed, the notice to the holders of Securities of that series to be redeemed in part shall specify the particular Securities to be so redeemed.

In case any Security is to be redeemed in part only, the notice that relates to such Security shall state the portion of the principal amount thereof to be redeemed, and shall state that on and after the redemption date, upon surrender of such Security, a new Security or Securities of such series in principal amount equal to the unredeemed portion thereof will be issued.

(b) If less than all the Securities of a series are to be redeemed, the Company shall give the Trustee at least 45 days' notice (unless a shorter notice shall be satisfactory to the Trustee) in advance of the date fixed for redemption as to the aggregate principal amount of Securities of the series to be redeemed, and thereupon the Trustee shall select, by lot or in such other manner as it shall deem appropriate and fair in its discretion and that may provide for the selection of a portion or portions (equal to one thousand U.S. dollars (\$1,000) or any integral multiple thereof) of the principal amount of such Securities of a denomination larger than \$1,000, the Securities to be redeemed and shall thereafter promptly notify the Company in writing of the numbers of the Securities to be redeemed, in whole or in part. The Company may, if and whenever it shall so elect, by delivery of instructions signed on its behalf by an Officer, instruct the Trustee or any paying agent to call all or any part of the Securities of a particular series for redemption and to give notice of redemption in the manner set forth in this Section, such notice to be in the name of the Company or its own name as the Trustee or such paying agent may deem advisable. In any case in which notice of redemption is to be given by the Trustee or any such paying agent, the Company shall deliver or cause to be delivered to, or permit to remain with, the Trustee or such paying agent, as the case may be, such Security Register, transfer books or other records, or suitable copies or extracts therefrom, sufficient to enable the Trustee or such paying agent to give any notice by mail that may be required under the provisions of this Section.

Section 3.03 Payment Upon Redemption.

(a) If the giving of notice of redemption shall have been completed as above provided, the Securities or portions of Securities of the series to be redeemed specified in such notice shall become due and payable on the date and at the place stated in such notice at the applicable redemption price, together with interest accrued to the date fixed for redemption and interest on such Securities or portions of Securities shall cease to accrue on and after the date fixed for redemption, unless the Company shall default in the payment of such redemption price and accrued interest with respect to any such Security or portion thereof. On presentation and surrender of such Securities on or after the date fixed for redemption at the place of payment specified in the notice, said Securities shall be paid and redeemed at the applicable redemption price for such series, together with interest accrued thereon to the date fixed for redemption (but if the date fixed for redemption is an interest payment date, the interest installment payable on such date shall be payable to the registered holder at the close of business on the applicable record date pursuant to Section 2.03).

(b) Upon presentation of any Security of such series that is to be redeemed in part only, the Company shall execute and the Trustee shall authenticate and the office or agency where the Security is presented shall deliver to the holder thereof, at the expense of the Company, a new Security of the same series of authorized denominations in principal amount equal to the unredeemed portion of the Security so presented.

Section 3.04 Sinking Fund.

The provisions of Sections 3.04, 3.05 and 3.06 shall be applicable to any sinking fund for the retirement of Securities of a series, except as otherwise specified as contemplated by Section 2.01 for Securities of such series.

The minimum amount of any sinking fund payment provided for by the terms of Securities of any series is herein referred to as a “mandatory sinking fund payment,” and any payment in excess of such minimum amount provided for by the terms of Securities of any series is herein referred to as an “optional sinking fund payment”. If provided for by the terms of Securities of any series, the cash amount of any sinking fund payment may be subject to reduction as provided in Section 3.05. Each sinking fund payment shall be applied to the redemption of Securities of any series as provided for by the terms of Securities of such series.

Section 3.05 Satisfaction of Sinking Fund Payments with Securities.

The Company (i) may deliver Outstanding Securities of a series and (ii) may apply as a credit Securities of a series that have been redeemed either at the election of the Company pursuant to the terms of such Securities or through the application of permitted optional sinking fund payments pursuant to the terms of such Securities, in each case in satisfaction of all or any part of any sinking fund payment with respect to the Securities of such series required to be made pursuant to the terms of such Securities as provided for by the terms of such series, provided that such Securities have not been previously so credited. Such Securities shall be received and credited for such purpose by the Trustee at the redemption price specified in such Securities for redemption through operation of the sinking fund and the amount of such sinking fund payment shall be reduced accordingly.

Section 3.06 Redemption of Securities for Sinking Fund.

Not less than 45 days prior to each sinking fund payment date for any series of Securities (unless a shorter period shall be satisfactory to the Trustee), the Company will deliver to the Trustee an Officers' Certificate specifying the amount of the next ensuing sinking fund payment for that series pursuant to the terms of the series, the portion thereof, if any, that is to be satisfied by delivering and crediting Securities of that series pursuant to Section 3.05 and the basis for such credit and will, together with such Officers' Certificate, deliver to the Trustee any Securities to be so delivered. Not less than 30 days before each such sinking fund payment date the Trustee shall select the Securities to be redeemed upon such sinking fund payment date in the manner specified in Section 3.02 and cause notice of the redemption thereof to be given in the name of and at the expense of the Company in the manner provided in Section 3.02. Such notice having been duly given, the redemption of such Securities shall be made upon the terms and in the manner stated in Section 3.03.

ARTICLE 4
COVENANTS

Section 4.01 Payment of Principal, Premium and Interest.

The Company will duly and punctually pay or cause to be paid the principal of (and premium, if any) and interest on the Securities of that series at the time and place and in the manner provided herein and established with respect to such Securities.

Section 4.02 Maintenance of Office or Agency.

So long as any series of the Securities remain Outstanding, the Company agrees to maintain an office or agency in the Borough of Manhattan, the City and State of New York, with respect to each such series and at such other location or locations as may be designated as provided in this Section 4.02, where (i) Securities of that series may be presented for payment, (ii) Securities of that series may be presented as herein above authorized for registration of transfer and exchange, and (iii) notices and demands to or upon the Company in respect of the Securities of that series and this Indenture may be given or served, such designation to continue with respect to such office or agency until the Company shall, by written notice signed by any officer authorized to sign an Officers' Certificate and delivered to the Trustee, designate some other office or agency for such purposes or any of them. If at any time the Company shall fail to maintain any such required office or agency or shall fail to furnish the Trustee with the address thereof, such presentations, notices and demands may be made or served at the Corporate Trust Office of the Trustee, and the Company hereby appoints the Trustee as its agent to receive all such presentations, notices and demands. The Company initially appoints the Corporate Trust Office of the Trustee located in the Borough of Manhattan, the City of New York as its paying agent with respect to the Securities.

Section 4.03 Paying Agents.

(a) If the Company shall appoint one or more paying agents for all or any series of the Securities, other than the Trustee, the Company will cause each such paying agent to execute and deliver to the Trustee an instrument in which such agent shall agree with the Trustee, subject to the provisions of this Section:

(1) that it will hold all sums held by it as such agent for the payment of the principal of (and premium, if any) or interest on the Securities of that series (whether such sums have been paid to it by the Company or by any other obligor of such Securities) in trust for the benefit of the Persons entitled thereto;

(2) that it will give the Trustee notice of any failure by the Company (or by any other obligor of such Securities) to make any payment of the principal of (and premium, if any) or interest on the Securities of that series when the same shall be due and payable;

(3) that it will, at any time during the continuance of any failure referred to in the preceding paragraph (a)(2) above, upon the written request of the Trustee, forthwith pay to the Trustee all sums so held in trust by such paying agent; and

(4) that it will perform all other duties of paying agent as set forth in this Indenture.

(b) If the Company shall act as its own paying agent with respect to any series of the Securities, it will on or before each due date of the principal of (and premium, if any) or interest on Securities of that series, set aside, segregate and hold in trust for the benefit of the Persons entitled thereto a sum sufficient to pay such principal (and premium, if any) or interest so becoming due on Securities of that series until such sums shall be paid to such Persons or otherwise disposed of as herein provided and will promptly notify the Trustee of such action, or any failure (by it or any other obligor on such Securities) to take such action. Whenever the Company shall have one or more paying agents for any series of Securities, it will, prior to each due date of the principal of (and premium, if any) or interest on any Securities of that series, deposit with the paying agent a sum sufficient to pay the principal (and premium, if any) or interest so becoming due, such sum to be held in trust for the benefit of the Persons entitled to such principal, premium or interest, and (unless such paying agent is the Trustee) the Company will promptly notify the Trustee of this action or failure so to act.

(c) Notwithstanding anything in this Section to the contrary, (i) the agreement to hold sums in trust as provided in this Section is subject to the provisions of Section 11.05, and (ii) the Company may at any time, for the purpose of obtaining the satisfaction and discharge of this Indenture or for any other purpose, pay, or direct any paying agent to pay, to the Trustee all sums held in trust by the Company or such paying agent, such sums to be held by the Trustee upon the same terms and conditions as those upon which such sums were held by the Company or such paying agent; and, upon such payment by the Company or any paying agent to the Trustee, the Company or such paying agent shall be released from all further liability with respect to such money.

Section 4.04 Appointment to Fill Vacancy in Office of Trustee.

The Company, whenever necessary to avoid or fill a vacancy in the office of Trustee, will appoint, in the manner provided in Section 7.10, a Trustee, so that there shall at all times be a Trustee hereunder.

Section 4.05 Compliance with Consolidation Provisions.

The Company will not, while any of the Securities remain Outstanding, consolidate with or merge into any other Person, in either case where the Company is not the survivor of such transaction, or sell or convey all or substantially all of its property to any other Person unless the provisions of Article Ten hereof are complied with.

ARTICLE 5

SECURITYHOLDERS' LISTS AND REPORTS BY THE COMPANY AND THE TRUSTEE

Section 5.01 Company to Furnish Trustee Names and Addresses of Securityholders.

The Company will furnish or cause to be furnished to the Trustee (a) within 15 days after each regular record date (as defined in Section 2.03) a list, in such form as the Trustee may reasonably require, of the names and addresses of the holders of each series of Securities as of such regular record date, provided that the Company shall not be obligated to furnish or cause to furnish such list at any time that the list shall not differ in any respect from the most recent list furnished to the Trustee by the Company and (b) at such other times as the Trustee may request in writing within 30 days after the receipt by the Company of any such request, a list of similar form and content as of a date not more than 15 days prior to the time such list is furnished; provided, however, that, in either case, no such list need be furnished for any series for which the Trustee shall be the Security Registrar.

Section 5.02 Preservation of Information; Communications with Securityholders.

(a) The Trustee shall preserve, in as current a form as is reasonably practicable, all information as to the names and addresses of the holders of Securities contained in the most recent list furnished to it as provided in Section 5.01 and as to the names and addresses of holders of Securities received by the Trustee in its capacity as Security Registrar (if acting in such capacity).

(b) The Trustee may destroy any list furnished to it as provided in Section 5.01 upon receipt of a new list so furnished.

(c) Securityholders may communicate as provided in Section 312(b) of the Trust Indenture Act with other Securityholders with respect to their rights under this Indenture or under the Securities, and, in connection with any such communications, the Trustee shall satisfy its obligations under Section 312(b) of the Trust Indenture Act in accordance with the provisions of Section 312(b) of the Trust Indenture Act.

Section 5.03 Reports by the Company.

The Company covenants and agrees to provide a copy to the Trustee, after the Company files the same with the Securities and Exchange Commission, copies of the annual reports and of the information, documents and other reports (or copies of such portions of any of the foregoing as the Securities and Exchange Commission may from time to time by rules and regulations prescribe) that the Company files with the Securities and Exchange Commission pursuant to Section 13 or Section 15(d) of the Exchange Act; provided, however, the Company shall not be required to deliver to the Trustee any materials for which the Company has sought and received confidential treatment by the SEC. The Company shall also comply with the requirements of Section 314 of the Trust Indenture Act, but only to the extent then applicable to the Company.

Section 5.04 Reports by the Trustee.

(a) On or before July 1 in each year in which any of the Securities are Outstanding, the Trustee shall transmit by mail, first class postage prepaid, to the Securityholders, as their names and addresses appear upon the Security Register, a brief report dated as of the preceding May 1, if and to the extent required under Section 313(a) of the Trust Indenture Act.

(b) The Trustee shall comply with Section 313(b) and 313(c) of the Trust Indenture Act.

(c) A copy of each such report shall, at the time of such transmission to Securityholders, be filed by the Trustee with the Company, with each securities exchange upon which any Securities are listed (if so listed) and also with the Securities and Exchange Commission. The Company agrees to notify the Trustee when any Securities become listed on any securities exchange.

ARTICLE 6

REMEDIES OF THE TRUSTEE AND SECURITYHOLDERS ON EVENT OF DEFAULT

Section 6.01 Events of Default.

(a) Whenever used herein with respect to Securities of a particular series, "Event of Default" means any one or more of the following events that has occurred and is continuing:

(1) the Company defaults in the payment of any installment of interest upon any of the Securities of that series, as and when the same shall become due and payable, and such default continues for a period of 90 days; provided, however, that a valid extension of an interest payment period by the Company in accordance with the terms of any indenture supplemental hereto shall not constitute a default in the payment of interest for this purpose;

(2) the Company defaults in the payment of the principal of (or premium, if any, on) any of the Securities of that series as and when the same shall become due and payable whether at maturity, upon redemption, by declaration or otherwise, or in any payment required by any sinking or analogous fund established with respect to that series; provided, however, that a valid extension of the maturity of such Securities in accordance with the terms of any indenture supplemental hereto shall not constitute a default in the payment of principal or premium, if any;

(3) the Company fails to observe or perform any other of its covenants or agreements with respect to that series contained in this Indenture or otherwise established with respect to that series of Securities pursuant to Section 2.01 hereof (other than a covenant or agreement that has been expressly included in this Indenture solely for the benefit of one or more series of Securities other than such series) for a period of 90 days after the date on which written notice of such failure, requiring the same to be remedied and stating that such notice is a "Notice of Default" hereunder, shall have been given to the Company by the Trustee, by registered or certified mail, or to the Company and the Trustee by the holders of at least 25% in principal amount of the Securities of that series at the time Outstanding;

(4) the Company pursuant to or within the meaning of any Bankruptcy Law (i) commences a voluntary case, (ii) consents to the entry of an order for relief against it in an involuntary case, (iii) consents to the appointment of a Custodian of it or for all or substantially all of its property or (iv) makes a general assignment for the benefit of its creditors; or

(5) a court of competent jurisdiction enters an order under any Bankruptcy Law that (i) is for relief against the Company in an involuntary case, (ii) appoints a Custodian of the Company for all or substantially all of its property or (iii) orders the liquidation of the Company, and the order or decree remains unstayed and in effect for 90 days.

(b) In each and every such case (other than an Event of Default specified in clause (4) or clause (5) above), unless the principal of all the Securities of that series shall have already become due and payable, either the Trustee or the holders of not less than 25% in aggregate principal amount of the Securities of that series then Outstanding hereunder, by notice in writing to the Company (and to the Trustee if given by such Securityholders), may declare the principal of (and premium, if any, on) and accrued and unpaid interest on all the Securities of that series to be due and payable immediately, and upon any such declaration the same shall become and shall be immediately due and payable. If an Event of Default specified in clause (4) or clause (5) above occurs, the principal of and accrued and unpaid interest on all the Securities of that series shall automatically be immediately due and payable without any declaration or other act on the part of the Trustee or the holders of the Securities.

(c) At any time after the principal of (and premium, if any, on) and accrued and unpaid interest on the Securities of that series shall have been so declared due and payable, and before any judgment or decree for the payment of the moneys due shall have been obtained or entered as hereinafter provided, the holders of a majority in aggregate principal amount of the Securities of that series then Outstanding hereunder, by written notice to the Company and the Trustee, may rescind and annul such declaration and its consequences if: (i) the Company has paid or deposited with the Trustee a sum sufficient to pay all matured installments of interest upon all the Securities of that series and the principal of (and premium, if any, on) any and all Securities of that series that shall have become due otherwise than by acceleration (with interest upon such principal and premium, if any, and, to the extent that such payment is enforceable under applicable law, upon overdue installments of interest, at the rate per annum expressed in the Securities of that series to the date of such payment or deposit) and the amount payable to the Trustee under Section 7.06, and (ii) any and all Events of Default under the Indenture with respect to such series, other than the nonpayment of principal on (and premium, if any, on) and accrued and unpaid interest on Securities of that series that shall not have become due by their terms, shall have been remedied or waived as provided in Section 6.06.

No such rescission and annulment shall extend to or shall affect any subsequent default or impair any right consequent thereon.

(d) In case the Trustee shall have proceeded to enforce any right with respect to Securities of that series under this Indenture and such proceedings shall have been discontinued or abandoned because of such rescission or annulment or for any other reason or shall have been determined adversely to the Trustee, then and in every such case, subject to any determination in such proceedings, the Company and the Trustee shall be restored respectively to their former positions and rights hereunder, and all rights, remedies and powers of the Company and the Trustee shall continue as though no such proceedings had been taken.

Section 6.02 Collection of Indebtedness and Suits for Enforcement by Trustee.

(a) The Company covenants that (i) in case it shall default in the payment of any installment of interest on any of the Securities of a series, or in any payment required by any sinking or analogous fund established with respect to that series as and when the same shall have become due and payable, and such default shall have continued for a period of 90 Business Days, or (ii) in case it shall default in the payment of the principal of (or premium, if any, on) any of the Securities of a series when the same shall have become due and payable, whether upon maturity of the Securities of a series or upon redemption or upon declaration or otherwise then, upon demand of the Trustee, the Company will pay to the Trustee, for the benefit of the holders of the Securities of that series, the whole amount that then shall have become due and payable on all such Securities for principal (and premium, if any) or interest, or both, as the case may be, with interest upon the overdue principal (and premium, if any) and (to the extent that payment of such interest is enforceable under applicable law) upon overdue installments of interest at the rate per annum expressed in the Securities of that series; and, in addition thereto, such further amount as shall be sufficient to cover the costs and expenses of collection, and the amount payable to the Trustee under Section 7.06.

(b) If the Company shall fail to pay such amounts forthwith upon such demand, the Trustee, in its own name and as trustee of an express trust, shall be entitled and empowered to institute any action or proceedings at law or in equity for the collection of the sums so due and unpaid, and may prosecute any such action or proceeding to judgment or final decree, and may enforce any such judgment or final decree against the Company or other obligor upon the Securities of that series and collect the moneys adjudged or decreed to be payable in the manner provided by law or equity out of the property of the Company or other obligor upon the Securities of that series, wherever situated.

(c) In case of any receivership, insolvency, liquidation, bankruptcy, reorganization, readjustment, arrangement, composition or judicial proceedings affecting the Company, or its creditors or property, the Trustee shall have power to intervene in such proceedings and take any action therein that may be permitted by the court and shall (except as may be otherwise provided by law) be entitled to file such proofs of claim and other papers and documents as may be necessary or advisable in order to have the claims of the Trustee and of the holders of Securities of such series allowed for the entire amount due and payable by the Company under the Indenture at the date of institution of such proceedings and for any additional amount that may become due and payable by the Company after such date, and to collect and receive any moneys or other property payable or deliverable on any such claim, and to distribute the same after the deduction of the amount payable to the Trustee under Section 7.06; and any receiver, assignee or trustee in bankruptcy or reorganization is hereby authorized by each of the holders of Securities of such series to make such payments to the Trustee, and, in the event that the Trustee shall consent to the making of such payments directly to such Securityholders, to pay to the Trustee any amount due it under Section 7.06.

(d) All rights of action and of asserting claims under this Indenture, or under any of the terms established with respect to Securities of that series, may be enforced by the Trustee without the possession of any of such Securities, or the production thereof at any trial or other proceeding relative thereto, and any such suit or proceeding instituted by the Trustee shall be brought in its own name as trustee of an express trust, and any recovery of judgment shall, after provision for payment to the Trustee of any amounts due under Section 7.06, be for the ratable benefit of the holders of the Securities of such series.

In case of an Event of Default hereunder, the Trustee may in its discretion proceed to protect and enforce the rights vested in it by this Indenture by such appropriate judicial proceedings as the Trustee shall deem most effectual to protect and enforce any of such rights, either at law or in equity or in bankruptcy or otherwise, whether for the specific enforcement of any covenant or agreement contained in the Indenture or in aid of the exercise of any power granted in this Indenture, or to enforce any other legal or equitable right vested in the Trustee by this Indenture or by law.

Nothing contained herein shall be deemed to authorize the Trustee to authorize or consent to or accept or adopt on behalf of any Securityholder any plan of reorganization, arrangement, adjustment or composition affecting the Securities of that series or the rights of any holder thereof or to authorize the Trustee to vote in respect of the claim of any Securityholder in any such proceeding.

Section 6.03 Application of Moneys or Property Collected.

Any moneys or property collected by the Trustee pursuant to this Article with respect to a particular series of Securities shall be applied in the following order, at the date or dates fixed by the Trustee and, in case of the distribution of such moneys or property on account of principal (or premium, if any) or interest, upon presentation of the Securities of that series, and notation thereon of the payment, if only partially paid, and upon surrender thereof if fully paid:

FIRST: To the payment of reasonable costs and expenses of collection and of all amounts payable to the Trustee under Section 7.06;

SECOND: To the payment of the amounts then due and unpaid upon Securities of such series for principal (and premium, if any) and interest, in respect of which or for the benefit of which such money has been collected, ratably, without preference or priority of any kind, according to the amounts due and payable on such Securities for principal (and premium, if any) and interest, respectively; and

THIRD: To the payment of the remainder, if any, to the Company or any other Person lawfully entitled thereto as requested by the Company.

Section 6.04 Limitation on Suits.

No holder of any Security of any series shall have any right by virtue or by availing of any provision of this Indenture to institute any suit, action or proceeding in equity or at law upon or under or with respect to this Indenture or for the appointment of a receiver or trustee, or for any other remedy hereunder, unless (i) such holder previously shall have given to the Trustee written notice of an Event of Default and of the continuance thereof with respect to the Securities of such series specifying such Event of Default, as hereinbefore provided; (ii) the holders of not less than 25% in aggregate principal amount of the Securities of such series then Outstanding shall have made written request upon the Trustee to institute such action, suit or proceeding in its own name as Trustee hereunder; (iii) such holder or holders shall have offered to the Trustee such reasonable indemnity as it may require against the costs, expenses and liabilities to be incurred therein or thereby; (iv) the Trustee for 90 days after its receipt of such notice, request and offer of indemnity, shall have failed to institute any such action, suit or proceeding and (v) during such 90 day period, the holders of a majority in principal amount of the Securities of that series do not give the Trustee a direction inconsistent with the request.

Notwithstanding anything contained herein to the contrary or any other provisions of this Indenture, the right of any holder of any Security to receive payment of the principal of (and premium, if any) and interest on such Security, as therein provided, on or after the respective due dates expressed in such Security (or in the case of redemption, on the redemption date), or to institute suit for the enforcement of any such payment on or after such respective dates or redemption date, shall not be impaired or affected without the consent of such holder and by accepting a Security hereunder it is expressly understood, intended and covenanted by the taker and holder of every Security of such series with every other such taker and holder and the Trustee, that no one or more holders of Securities of such series shall have any right in any manner whatsoever by virtue or by availing of any provision of this Indenture to affect, disturb or prejudice the rights of the holders of any other of such Securities, or to obtain or seek to obtain priority over or preference to any other such holder, or to enforce any right under this Indenture, except in the manner herein provided and for the equal, ratable and common benefit of all holders of Securities of such series. For the protection and enforcement of the provisions of this Section, each and every Securityholder and the Trustee shall be entitled to such relief as can be given either at law or in equity.

Section 6.05 Rights and Remedies Cumulative; Delay or Omission Not Waiver.

(a) Except as otherwise provided in Section 2.07, all powers and remedies given by this Article to the Trustee or to the Securityholders shall, to the extent permitted by law, be deemed cumulative and not exclusive of any other powers and remedies available to the Trustee or the holders of the Securities, by judicial proceedings or otherwise, to enforce the performance or observance of the covenants and agreements contained in this Indenture or otherwise established with respect to such Securities.

(b) No delay or omission of the Trustee or of any holder of any of the Securities to exercise any right or power accruing upon any Event of Default occurring and continuing as aforesaid shall impair any such right or power, or shall be construed to be a waiver of any such default or an acquiescence therein; and, subject to the provisions of Section 6.04, every power and remedy given by this Article or by law to the Trustee or the Securityholders may be exercised from time to time, and as often as shall be deemed expedient, by the Trustee or by the Securityholders.

Section 6.06 Control by Securityholders.

The holders of a majority in aggregate principal amount of the Securities of any series at the time Outstanding, determined in accordance with Section 8.04, shall have the right to direct the time, method and place of conducting any proceeding for any remedy available to the Trustee, or exercising any trust or power conferred on the Trustee with respect to such series; provided, however, that such direction shall not be in conflict with any rule of law or with this Indenture. Subject to the provisions of Section 7.01, the Trustee shall have the right to decline to follow any such direction if the Trustee in good faith shall, by a Responsible Officer or officers of the Trustee, determine that the proceeding so directed, subject to the Trustee's duties under the Trust Indenture Act, would involve the Trustee in personal liability or might be unduly prejudicial to the Securityholders not involved in the proceeding. The holders of a majority in aggregate principal amount of the Securities of any series at the time Outstanding affected thereby, determined in accordance with Section 8.04, may on behalf of the holders of all of the Securities of such series waive any past default in the performance of any of the covenants contained herein or established pursuant to Section 2.01 with respect to such series and its consequences, except a default in the payment of the principal of, or premium, if any, or interest on, any of the Securities of that series as and when the same shall become due by the terms of such Securities otherwise than by acceleration (unless such default has been cured and a sum sufficient to pay all matured installments of interest and principal and any premium has been deposited with the Trustee (in accordance with Section 6.01(c)). Upon any such waiver, the default covered thereby shall be deemed to be cured for all purposes of this Indenture and the Company, the Trustee and the holders of the Securities of such series shall be restored to their former positions and rights hereunder, respectively; but no such waiver shall extend to any subsequent or other default or impair any right consequent thereon.

Section 6.07 Undertaking to Pay Costs.

All parties to this Indenture agree, and each holder of any Securities by such holder's acceptance thereof shall be deemed to have agreed, that any court may in its discretion require, in any suit for the enforcement of any right or remedy under this Indenture, or in any suit against the Trustee for any action taken or omitted by it as Trustee, the filing by any party litigant in such suit of an undertaking to pay the costs of such suit, and that such court may in its discretion assess reasonable costs, including reasonable attorneys' fees, against any party litigant in such suit, having due regard to the merits and good faith of the claims or defenses made by such party litigant; but the provisions of this Section shall not apply to any suit instituted by the Trustee, to any suit instituted by any Securityholder, or group of Securityholders, holding more than 10% in aggregate principal amount of the Outstanding Securities of any series, or to any suit instituted by any Securityholder for the enforcement of the payment of the principal of (or premium, if any) or interest on any Security of such series, on or after the respective due dates expressed in such Security or established pursuant to this Indenture.

ARTICLE 7

CONCERNING THE TRUSTEE

Section 7.01 Certain Duties and Responsibilities of Trustee.

(a) The Trustee, prior to the occurrence of an Event of Default with respect to the Securities of a series and after the curing of all Events of Default with respect to the Securities of that series that may have occurred, shall undertake to perform with respect to the Securities of such series such duties and only such duties as are specifically set forth in this Indenture, and no implied covenants shall be read into this Indenture against the Trustee. In case an Event of Default with respect to the Securities of a series has occurred (that has not been cured or waived), the Trustee shall exercise with respect to Securities of that series such of the rights and powers vested in it by this Indenture, and use the same degree of care and skill in their exercise, as a prudent man would exercise or use under the circumstances in the conduct of his own affairs.

(b) No provision of this Indenture shall be construed to relieve the Trustee from liability for its own negligent action, its own negligent failure to act, or its own willful misconduct, except that:

(i) prior to the occurrence of an Event of Default with respect to the Securities of a series and after the curing or waiving of all such Events of Default with respect to that series that may have occurred:

(A) the duties and obligations of the Trustee shall with respect to the Securities of such series be determined solely by the express provisions of this Indenture, and the Trustee shall not be liable with respect to the Securities of such series except for the performance of such duties and obligations as are specifically set forth in this Indenture, and no implied covenants or obligations shall be read into this Indenture against the Trustee; and

(B) in the absence of bad faith on the part of the Trustee, the Trustee may with respect to the Securities of such series conclusively rely, as to the truth of the statements and the correctness of the opinions expressed therein, upon any certificates or opinions furnished to the Trustee and conforming to the requirements of this Indenture; but in the case of any such certificates or opinions that by any provision hereof are specifically required to be furnished to the Trustee, the Trustee shall be under a duty to examine the same to determine whether or not they conform to the requirement of this Indenture;

(ii) the Trustee shall not be liable for any error of judgment made in good faith by a Responsible Officer or Responsible Officers of the Trustee, unless it shall be proved that the Trustee was negligent in ascertaining the pertinent facts;

(iii) the Trustee shall not be liable with respect to any action taken or omitted to be taken by it in good faith in accordance with the direction of the holders of not less than a majority in principal amount of the Securities of any series at the time Outstanding relating to the time, method and place of conducting any proceeding for any remedy available to the Trustee, or exercising any trust or power conferred upon the Trustee under this Indenture with respect to the Securities of that series; and

(iv) None of the provisions contained in this Indenture shall require the Trustee to expend or risk its own funds or otherwise incur personal financial liability in the performance of any of its duties or in the exercise of any of its rights or powers if there is reasonable ground for believing that the repayment of such funds or liability is not reasonably assured to it under the terms of this Indenture or adequate indemnity against such risk is not reasonably assured to it.

Section 7.02 Certain Rights of Trustee.

Except as otherwise provided in Section 7.01:

(a) The Trustee may rely conclusively and shall be protected in acting or refraining from acting upon any resolution, certificate, statement, instrument, opinion, report, notice, request, consent, order, approval, bond, security or other paper or document believed by it to be genuine and to have been signed or presented by the proper party or parties;

(b) Any request, direction, order or demand of the Company mentioned herein shall be sufficiently evidenced by a Board Resolution or an instrument signed in the name of the Company by any authorized officer of the Company (unless other evidence in respect thereof is specifically prescribed herein);

(c) The Trustee may consult with counsel and the written advice of such counsel or any Opinion of Counsel shall be full and complete authorization and protection in respect of any action taken or suffered or omitted hereunder in good faith and in reliance thereon;

(d) The Trustee shall be under no obligation to exercise any of the rights or powers vested in it by this Indenture at the request, order or direction of any of the Securityholders pursuant to the provisions of this Indenture, unless such Securityholders shall have offered to the Trustee reasonable security or indemnity against the costs, expenses and liabilities that may be incurred therein or thereby; nothing contained herein shall, however, relieve the Trustee of the obligation, upon the occurrence of an Event of Default with respect to a series of the Securities (that has not been cured or waived), to exercise with respect to Securities of that series such of the rights and powers vested in it by this Indenture, and to use the same degree of care and skill in their exercise, as a prudent man would exercise or use under the circumstances in the conduct of his own affairs;

(e) The Trustee shall not be liable for any action taken or omitted to be taken by it in good faith and believed by it to be authorized or within the discretion or rights or powers conferred upon it by this Indenture;

(f) The Trustee shall not be bound to make any investigation into the facts or matters stated in any resolution, certificate, statement, instrument, opinion, report, notice, request, consent, order, approval, bond, security, or other papers or documents, unless requested in writing so to do by the holders of not less than a majority in principal amount of the Outstanding Securities of the particular series affected thereby (determined as provided in Section 8.04); provided, however, that if the payment within a reasonable time to the Trustee of the costs, expenses or liabilities likely to be incurred by it in the making of such investigation is, in the opinion of the Trustee, not reasonably assured to the Trustee by the security afforded to it by the terms of this Indenture, the Trustee may require reasonable indemnity against such costs, expenses or liabilities as a condition to so proceeding. The reasonable expense of every such examination shall be paid by the Company or, if paid by the Trustee, shall be repaid by the Company upon demand; and

(g) The Trustee may execute any of the trusts or powers hereunder or perform any duties hereunder either directly or by or through agents or attorneys and the Trustee shall not be responsible for any misconduct or negligence on the part of any agent or attorney appointed with due care by it hereunder.

In addition, the Trustee shall not be deemed to have knowledge of any Default or Event of Default except (1) any Event of Default occurring pursuant to Sections 6.01(a)(1), 6.01(a)(2) and 4.01 hereof or (2) any Default or Event of Default of which the Trustee shall have received written notification in the manner set forth in this Indenture or a Responsible Officer of the Trustee shall have obtained actual knowledge. Delivery of reports, information and documents to the Trustee under Section 5.03 is for informational purposes only and the information and the Trustee's receipt of the foregoing shall not constitute constructive notice of any information contained therein, or determinable from information contained therein including the Company's compliance with any of their covenants thereunder (as to which the Trustee is entitled to rely conclusively on an Officers' Certificate).

Section 7.03 Trustee Not Responsible for Recitals or Issuance or Securities.

(a) The recitals contained herein and in the Securities shall be taken as the statements of the Company, and the Trustee assumes no responsibility for the correctness of the same.

(b) The Trustee makes no representations as to the validity or sufficiency of this Indenture or of the Securities.

(c) The Trustee shall not be accountable for the use or application by the Company of any of the Securities or of the proceeds of such Securities, or for the use or application of any moneys paid over by the Trustee in accordance with any provision of this Indenture or established pursuant to Section 2.01, or for the use or application of any moneys received by any paying agent other than the Trustee.

Section 7.04 May Hold Securities.

The Trustee or any paying agent or Security Registrar, in its individual or any other capacity, may become the owner or pledgee of Securities with the same rights it would have if it were not Trustee, paying agent or Security Registrar.

Section 7.05 Moneys Held in Trust.

Subject to the provisions of Section 11.05, all moneys received by the Trustee shall, until used or applied as herein provided, be held in trust for the purposes for which they were received, but need not be segregated from other funds except to the extent required by law. The Trustee shall be under no liability for interest on any moneys received by it hereunder except such as it may agree with the Company to pay thereon.

Section 7.06 Compensation and Reimbursement.

(a) The Company covenants and agrees to pay to the Trustee, and the Trustee shall be entitled to, such reasonable compensation (which shall not be limited by any provision of law in regard to the compensation of a trustee of an express trust) as the Company and the Trustee may from time to time agree in writing, for all services rendered by it in the execution of the trusts hereby created and in the exercise and performance of any of the powers and duties hereunder of the Trustee, and, except as otherwise expressly provided herein, the Company will pay or reimburse the Trustee upon its request for all reasonable expenses, disbursements and advances incurred or made by the Trustee in accordance with any of the provisions of this Indenture (including the reasonable compensation and the expenses and disbursements of its counsel and of all Persons not regularly in its employ), except any such expense, disbursement or advance as may arise from its negligence or bad faith and except as the Company and Trustee may from time to time agree in writing. The Company also covenants to indemnify the Trustee (and its officers, agents, directors and employees) for, and to hold it harmless against, any loss, liability or expense incurred without negligence or bad faith on the part of the Trustee and arising out of or in connection with the acceptance or administration of this trust, including the reasonable costs and expenses of defending itself against any claim of liability in the premises.

(b) The obligations of the Company under this Section to compensate and indemnify the Trustee and to pay or reimburse the Trustee for reasonable expenses, disbursements and advances shall constitute additional indebtedness hereunder. Such additional indebtedness shall be secured by a lien prior to that of the Securities upon all property and funds held or collected by the Trustee as such, except funds held in trust for the benefit of the holders of particular Securities.

Section 7.07 Reliance on Officers' Certificate.

Except as otherwise provided in Section 7.01, whenever in the administration of the provisions of this Indenture the Trustee shall deem it reasonably necessary or desirable that a matter be proved or established prior to taking or suffering or omitting to take any action hereunder, such matter (unless other evidence in respect thereof be herein specifically prescribed) may, in the absence of negligence or bad faith on the part of the Trustee, be deemed to be conclusively proved and established by an Officers' Certificate delivered to the Trustee and such certificate, in the absence of negligence or bad faith on the part of the Trustee, shall be full warrant to the Trustee for any action taken, suffered or omitted to be taken by it under the provisions of this Indenture upon the faith thereof.

Section 7.08 Disqualification; Conflicting Interests.

If the Trustee has or shall acquire any "conflicting interest" within the meaning of Section 310(b) of the Trust Indenture Act, the Trustee and the Company shall in all respects comply with the provisions of Section 310(b) of the Trust Indenture Act.

Section 7.09 Corporate Trustee Required; Eligibility.

There shall at all times be a Trustee with respect to the Securities issued hereunder which shall at all times be a corporation organized and doing business under the laws of the United States of America or any state or territory thereof or of the District of Columbia, or a corporation or other Person permitted to act as trustee by the Securities and Exchange Commission, authorized under such laws to exercise corporate trust powers, having a combined capital and surplus of at least fifty million U.S. dollars (\$50,000,000), and subject to supervision or examination by federal, state, territorial, or District of Columbia authority.

If such corporation or other Person publishes reports of condition at least annually, pursuant to law or to the requirements of the aforesaid supervising or examining authority, then for the purposes of this Section, the combined capital and surplus of such corporation or other Person shall be deemed to be its combined capital and surplus as set forth in its most recent report of condition so published. The Company may not, nor may any Person directly or indirectly controlling, controlled by, or under common control with the Company, serve as Trustee. In case at any time the Trustee shall cease to be eligible in accordance with the provisions of this Section, the Trustee shall resign immediately in the manner and with the effect specified in Section 7.10.

Section 7.10 Resignation and Removal; Appointment of Successor.

(a) The Trustee or any successor hereafter appointed may at any time resign with respect to the Securities of one or more series by giving written notice thereof to the Company and by transmitting notice of resignation by mail, first class postage prepaid, to the Securityholders of such series, as their names and addresses appear upon the Security Register.

Upon receiving such notice of resignation, the Company shall promptly appoint a successor trustee with respect to Securities of such series by written instrument, in duplicate, executed by order of the Board of Directors, one copy of which instrument shall be delivered to the resigning Trustee and one copy to the successor trustee. If no successor trustee shall have been so appointed and have accepted appointment within 30 days after the mailing of such notice of resignation, the resigning Trustee may petition any court of competent jurisdiction for the appointment of a successor trustee with respect to Securities of such series, or any Securityholder of that series who has been a bona fide holder of a Security or Securities for at least six months may on behalf of himself and all others similarly situated, petition any such court for the appointment of a successor trustee. Such court may thereupon after such notice, if any, as it may deem proper and prescribe, appoint a successor trustee.

(b) In case at any time any one of the following shall occur:

(i) the Trustee shall fail to comply with the provisions of Section 7.08 after written request therefor by the Company or by any Securityholder who has been a bona fide holder of a Security or Securities for at least six months; or

(ii) the Trustee shall cease to be eligible in accordance with the provisions of Section 7.09 and shall fail to resign after written request therefor by the Company or by any such Securityholder; or

(iii) the Trustee shall become incapable of acting, or shall be adjudged a bankrupt or insolvent, or commence a voluntary bankruptcy proceeding, or a receiver of the Trustee or of its property shall be appointed or consented to, or any public officer shall take charge or control of the Trustee or of its property or affairs for the purpose of rehabilitation, conservation or liquidation; then, in any such case, the Company may remove the Trustee with respect to all Securities and appoint a successor trustee by written instrument, in duplicate, executed by order of the Board of Directors, one copy of which instrument shall be delivered to the Trustee so removed and one copy to the successor trustee, or any Securityholder who has been a bona fide holder of a Security or Securities for at least six months may, on behalf of that holder and all others similarly situated, petition any court of competent jurisdiction for the removal of the Trustee and the appointment of a successor trustee. Such court may thereupon after such notice, if any, as it may deem proper and prescribe, remove the Trustee and appoint a successor trustee.

(c) The holders of a majority in aggregate principal amount of the Securities of any series at the time Outstanding may at any time remove the Trustee with respect to such series by so notifying the Trustee and the Company and may appoint a successor Trustee for such series with the consent of the Company.

(d) Any resignation or removal of the Trustee and appointment of a successor trustee with respect to the Securities of a series pursuant to any of the provisions of this Section shall become effective upon acceptance of appointment by the successor trustee as provided in Section 7.11.

(e) Any successor trustee appointed pursuant to this Section may be appointed with respect to the Securities of one or more series or all of such series, and at any time there shall be only one Trustee with respect to the Securities of any particular series.

Section 7.11 Acceptance of Appointment by Successor.

(a) In case of the appointment hereunder of a successor trustee with respect to all Securities, every such successor trustee so appointed shall execute, acknowledge and deliver to the Company and to the retiring Trustee an instrument accepting such appointment, and thereupon the resignation or removal of the retiring Trustee shall become effective and such successor trustee, without any further act, deed or conveyance, shall become vested with all the rights, powers, trusts and duties of the retiring Trustee; but, on the request of the Company or the successor trustee, such retiring Trustee shall, upon payment of its charges, execute and deliver an instrument transferring to such successor trustee all the rights, powers, and trusts of the retiring Trustee and shall duly assign, transfer and deliver to such successor trustee all property and money held by such retiring Trustee hereunder.

(b) In case of the appointment hereunder of a successor trustee with respect to the Securities of one or more (but not all) series, the Company, the retiring Trustee and each successor trustee with respect to the Securities of one or more series shall execute and deliver an indenture supplemental hereto wherein each successor trustee shall accept such appointment and which (i) shall contain such provisions as shall be necessary or desirable to transfer and confirm to, and to vest in, each successor trustee all the rights, powers, trusts and duties of the retiring Trustee with respect to the Securities of that or those series to which the appointment of such successor trustee relates, (ii) shall contain such provisions as shall be deemed necessary or desirable to confirm that all the rights, powers, trusts and duties of the retiring Trustee with respect to the Securities of that or those series as to which the retiring Trustee is not retiring shall continue to be vested in the retiring Trustee, and (iii) shall add to or change any of the provisions of this Indenture as shall be necessary to provide for or facilitate the administration of the trusts hereunder by more than one Trustee, it being understood that nothing herein or in such supplemental indenture shall constitute such Trustees co-trustees of the same trust, that each such Trustee shall be trustee of a trust or trusts hereunder separate and apart from any trust or trusts hereunder administered by any other such Trustee and that no Trustee shall be responsible for any act or failure to act on the part of any other Trustee hereunder; and upon the execution and delivery of such supplemental indenture the resignation or removal of the retiring Trustee shall become effective to the extent provided therein, such retiring Trustee shall with respect to the Securities of that or those series to which the appointment of such successor trustee relates have no further responsibility for the exercise of rights and powers or for the performance of the duties and obligations vested in the Trustee under this Indenture, and each such successor trustee, without any further act, deed or conveyance, shall become vested with all the rights, powers, trusts and duties of the retiring Trustee with respect to the Securities of that or those series to which the appointment of such successor trustee relates; but, on request of the Company or any successor trustee, such retiring Trustee shall duly assign, transfer and deliver to such successor trustee, to the extent contemplated by such supplemental indenture, the property and money held by such retiring Trustee hereunder with respect to the Securities of that or those series to which the appointment of such successor trustee relates.

(c) Upon request of any such successor trustee, the Company shall execute any and all instruments for more fully and certainly vesting in and confirming to such successor trustee all such rights, powers and trusts referred to in paragraph (a) or (b) of this Section, as the case may be.

(d) No successor trustee shall accept its appointment unless at the time of such acceptance such successor trustee shall be qualified and eligible under this Article.

(e) Upon acceptance of appointment by a successor trustee as provided in this Section, the Company shall transmit notice of the succession of such trustee hereunder by mail, first class postage prepaid, to the Securityholders, as their names and addresses appear upon the Security Register. If the Company fails to transmit such notice within ten days after acceptance of appointment by the successor trustee, the successor trustee shall cause such notice to be transmitted at the expense of the Company.

Section 7.12 Merger, Conversion, Consolidation or Succession to Business.

Any corporation into which the Trustee may be merged or converted or with which it may be consolidated, or any corporation resulting from any merger, conversion or consolidation to which the Trustee shall be a party, or any corporation succeeding to the corporate trust business of the Trustee, shall be the successor of the Trustee hereunder, provided that such corporation shall be qualified under the provisions of Section 7.08 and eligible under the provisions of Section 7.09, without the execution or filing of any paper or any further act on the part of any of the parties hereto, anything herein to the contrary notwithstanding. In case any Securities shall have been authenticated, but not delivered, by the Trustee then in office, any successor by merger, conversion or consolidation to such authenticating Trustee may adopt such authentication and deliver the Securities so authenticated with the same effect as if such successor Trustee had itself authenticated such Securities.

Section 7.13 Preferential Collection of Claims Against the Company.

The Trustee shall comply with Section 311(a) of the Trust Indenture Act, excluding any creditor relationship described in Section 311(b) of the Trust Indenture Act. A Trustee who has resigned or been removed shall be subject to Section 311(a) of the Trust Indenture Act to the extent included therein.

Section 7.14 Notice of Default

If any Default or any Event of Default occurs and is continuing and if such Default or Event of Default is known to a Responsible Officer of the Trustee, the Trustee shall mail to each Securityholder in the manner and to the extent provided in Section 313(c) of the Trust Indenture Act notice of the Default or Event of Default within 45 days after it occurs and becomes known to the Trustee, unless such Default or Event of Default has been cured; *provided, however*, that, except in the case of a default in the payment of the principal of (or premium, if any) or interest on any Security, the Trustee shall be protected in withholding such notice if and so long as the board of directors, the executive committee or a trust committee of directors and/or Responsible Officers of the Trustee in good faith determine that the withholding of such notice is in the interest of the Securityholders.

CONCERNING THE SECURITYHOLDERS

Section 8.01 Evidence of Action by Securityholders.

Whenever in this Indenture it is provided that the holders of a majority or specified percentage in aggregate principal amount of the Securities of a particular series may take any action (including the making of any demand or request, the giving of any notice, consent or waiver or the taking of any other action), the fact that at the time of taking any such action the holders of such majority or specified percentage of that series have joined therein may be evidenced by any instrument or any number of instruments of similar tenor executed by such holders of Securities of that series in person or by agent or proxy appointed in writing.

If the Company shall solicit from the Securityholders of any series any request, demand, authorization, direction, notice, consent, waiver or other action, the Company may, at its option, as evidenced by an Officers' Certificate, fix in advance a record date for such series for the determination of Securityholders entitled to give such request, demand, authorization, direction, notice, consent, waiver or other action, but the Company shall have no obligation to do so. If such a record date is fixed, such request, demand, authorization, direction, notice, consent, waiver or other action may be given before or after the record date, but only the Securityholders of record at the close of business on the record date shall be deemed to be Securityholders for the purposes of determining whether Securityholders of the requisite proportion of Outstanding Securities of that series have authorized or agreed or consented to such request, demand, authorization, direction, notice, consent, waiver or other action, and for that purpose the Outstanding Securities of that series shall be computed as of the record date; provided, however, that no such authorization, agreement or consent by such Securityholders on the record date shall be deemed effective unless it shall become effective pursuant to the provisions of this Indenture not later than six months after the record date.

Section 8.02 Proof of Execution by Securityholders.

Subject to the provisions of Section 7.01, proof of the execution of any instrument by a Securityholder (such proof will not require notarization) or his agent or proxy and proof of the holding by any Person of any of the Securities shall be sufficient if made in the following manner:

(a) The fact and date of the execution by any such Person of any instrument may be proved in any reasonable manner acceptable to the Trustee.

(b) The ownership of Securities shall be proved by the Security Register of such Securities or by a certificate of the Security Registrar thereof.

The Trustee may require such additional proof of any matter referred to in this Section as it shall deem necessary.

Section 8.03 Who May be Deemed Owners.

Prior to the due presentment for registration of transfer of any Security, the Company, the Trustee, any paying agent and any Security Registrar may deem and treat the Person in whose name such Security shall be registered upon the books of the Company as the absolute owner of such Security (whether or not such Security shall be overdue and notwithstanding any notice of ownership or writing thereon made by anyone other than the Security Registrar) for the purpose of receiving payment of or on account of the principal of, premium, if any, and (subject to Section 2.03) interest on such Security and for all other purposes; and neither the Company nor the Trustee nor any paying agent nor any Security Registrar shall be affected by any notice to the contrary.

Section 8.04 Certain Securities Owned by Company Disregarded.

In determining whether the holders of the requisite aggregate principal amount of Securities of a particular series have concurred in any direction, consent or waiver under this Indenture, the Securities of that series that are owned by the Company or any other obligor on the Securities of that series or by any Person directly or indirectly controlling or controlled by or under common control with the Company or any other obligor on the Securities of that series shall be disregarded and deemed not to be Outstanding for the purpose of any such determination, except that for the purpose of determining whether the Trustee shall be protected in relying on any such direction, consent or waiver, only Securities of such series that the Trustee actually knows are so owned shall be so disregarded. The Securities so owned that have been pledged in good faith may be regarded as Outstanding for the purposes of this Section, if the pledgee shall establish to the satisfaction of the Trustee the pledgee's right so to act with respect to such Securities and that the pledgee is not a Person directly or indirectly controlling or controlled by or under direct or indirect common control with the Company or any such other obligor. In case of a dispute as to such right, any decision by the Trustee taken upon the advice of counsel shall be full protection to the Trustee.

Section 8.05 Actions Binding on Future Securityholders.

At any time prior to (but not after) the evidencing to the Trustee, as provided in Section 8.01, of the taking of any action by the holders of the majority or percentage in aggregate principal amount of the Securities of a particular series specified in this Indenture in connection with such action, any holder of a Security of that series that is shown by the evidence to be included in the Securities the holders of which have consented to such action may, by filing written notice with the Trustee, and upon proof of holding as provided in Section 8.02, revoke such action so far as concerns such Security. Except as aforesaid any such action taken by the holder of any Security shall be conclusive and binding upon such holder and upon all future holders and owners of such Security, and of any Security issued in exchange therefor, on registration of transfer thereof or in place thereof, irrespective of whether or not any notation in regard thereto is made upon such Security. Any action taken by the holders of the majority or percentage in aggregate principal amount of the Securities of a particular series specified in this Indenture in connection with such action shall be conclusively binding upon the Company, the Trustee and the holders of all the Securities of that series.

ARTICLE 9

SUPPLEMENTAL INDENTURES

Section 9.01 Supplemental Indentures Without the Consent of Securityholders.

In addition to any supplemental indenture otherwise authorized by this Indenture, the Company and the Trustee may from time to time and at any time enter into an indenture or indentures supplemental hereto (which shall conform to the provisions of the Trust Indenture Act as then in effect), without the consent of the Securityholders, for one or more of the following purposes:

- (a) to cure any ambiguity, defect, or inconsistency herein or in the Securities of any series;
- (b) to comply with Article Ten;
- (c) to provide for uncertificated Securities in addition to or in place of certificated Securities and to make all appropriate changes for such purpose;
- (d) to add to the covenants, restrictions, conditions or provisions relating to the Company for the benefit of the holders of all or any series of Securities (and if such covenants, restrictions, conditions or provisions are to be for the benefit of less than all series of Securities, stating that such covenants, restrictions, conditions or provisions are expressly being included solely for the benefit of such series), to make the occurrence, or the occurrence and the continuance, of a default in any such additional covenants, restrictions, conditions or provisions an Event of Default, or to surrender any right or power herein conferred upon the Company;
- (e) to add to, delete from, or revise the conditions, limitations, and restrictions on the authorized amount, terms, or purposes of issue, authentication, and delivery of Securities, as herein set forth;
- (f) to make any change that does not adversely affect the rights of any Securityholder in any material respect;
- (g) to provide for the issuance of and establish the form and terms and conditions of the Securities of any series as provided in Section 2.01, to establish the form of any certifications required to be furnished pursuant to the terms of this Indenture or any series of Securities, or to add to the rights of the holders of any series of Securities;
- (h) to evidence and provide for the acceptance of appointment hereunder by a successor trustee; or
- (i) to comply with any requirements of the Securities and Exchange Commission or any successor in connection with the qualification of this Indenture under the Trust Indenture Act.

The Trustee is hereby authorized to join with the Company in the execution of any such supplemental indenture, and to make any further appropriate agreements and stipulations that may be therein contained, but the Trustee shall not be obligated to enter into any such supplemental indenture that affects the Trustee's own rights, duties or immunities under this Indenture or otherwise.

Any supplemental indenture authorized by the provisions of this Section may be executed by the Company and the Trustee without the consent of the holders of any of the Securities at the time Outstanding, notwithstanding any of the provisions of Section 9.02.

Section 9.02 Supplemental Indentures with Consent of Securityholders.

With the consent (evidenced as provided in Section 8.01) of the holders of not less than a majority in aggregate principal amount of the Securities of each series affected by such supplemental indenture or indentures at the time Outstanding, the Company, when authorized by a Board Resolution, and the Trustee may from time to time and at any time enter into an indenture or indentures supplemental hereto (which shall conform to the provisions of the Trust Indenture Act as then in effect) for the purpose of adding any provisions to or changing in any manner or eliminating any of the provisions of this Indenture or of any supplemental indenture or of modifying in any manner not covered by Section 9.01 the rights of the holders of the Securities of such series under this Indenture; provided, however, that no such supplemental indenture shall, without the consent of the holders of each Security then Outstanding and affected thereby, (a) extend the fixed maturity of any Securities of any series, or reduce the principal amount thereof, or reduce the rate or extend the time of payment of interest thereon, or reduce any premium payable upon the redemption thereof or (b) reduce the aforesaid percentage of Securities, the holders of which are required to consent to any such supplemental indenture.

It shall not be necessary for the consent of the Securityholders of any series affected thereby under this Section to approve the particular form of any proposed supplemental indenture, but it shall be sufficient if such consent shall approve the substance thereof.

Section 9.03 Effect of Supplemental Indentures.

Upon the execution of any supplemental indenture pursuant to the provisions of this Article or of Section 10.01, this Indenture shall, with respect to such series, be and be deemed to be modified and amended in accordance therewith and the respective rights, limitations of rights, obligations, duties and immunities under this Indenture of the Trustee, the Company and the holders of Securities of the series affected thereby shall thereafter be determined, exercised and enforced hereunder subject in all respects to such modifications and amendments, and all the terms and conditions of any such supplemental indenture shall be and be deemed to be part of the terms and conditions of this Indenture for any and all purposes.

Section 9.04 Securities Affected by Supplemental Indentures.

Securities of any series affected by a supplemental indenture, authenticated and delivered after the execution of such supplemental indenture pursuant to the provisions of this Article or of Section 10.01, may bear a notation in form approved by the Company, provided such form meets the requirements of any securities exchange upon which such series may be listed, as to any matter provided for in such supplemental indenture. If the Company shall so determine, new Securities of that series so modified as to conform, in the opinion of the Board of Directors, to any modification of this Indenture contained in any such supplemental indenture may be prepared by the Company, authenticated by the Trustee and delivered in exchange for the Securities of that series then Outstanding.

Section 9.05 Execution of Supplemental Indentures.

Upon the request of the Company, accompanied by its Board Resolutions authorizing the execution of any such supplemental indenture, and upon the filing with the Trustee of evidence of the consent of Securityholders required to consent thereto as aforesaid, the Trustee shall join with the Company in the execution of such supplemental indenture unless such supplemental indenture affects the Trustee's own rights, duties or immunities under this Indenture or otherwise, in which case the Trustee may in its discretion but shall not be obligated to enter into such supplemental indenture. The Trustee, subject to the provisions of Section 7.01, will be entitled to receive and will be fully protected in relying upon an Officers' Certificate and an Opinion of Counsel stating that any supplemental indenture executed pursuant to this Article is authorized or permitted by, and conforms to, the terms of this Article and that it is proper for the Trustee under the provisions of this Article to join in the execution thereof; provided, however, that such Officers' Certificate or Opinion of Counsel need not be provided in connection with the execution of a supplemental indenture that establishes the terms of a series of Securities pursuant to Section 2.01 hereof.

Promptly after the execution by the Company and the Trustee of any supplemental indenture pursuant to the provisions of this Section, the Trustee shall transmit by mail, first class postage prepaid, a notice, setting forth in general terms the substance of such supplemental indenture, to the Securityholders of all series affected thereby as their names and addresses appear upon the Security Register. Any failure of the Trustee to mail such notice, or any defect therein, shall not, however, in any way impair or affect the validity of any such supplemental indenture.

ARTICLE 10

SUCCESSOR ENTITY

Section 10.01 Company May Consolidate, Etc.

Except as provided pursuant to Section 2.01 pursuant to a Board Resolution, and set forth in an Officers' Certificate, or established in one or more indentures supplemental to this Indenture, nothing contained in this Indenture shall prevent any consolidation or merger of the Company with or into any other Person (whether or not affiliated with the Company) or successive consolidations or mergers in which the Company or its successor or successors shall be a party or parties, or shall prevent any sale, conveyance, transfer or other disposition of the property of the Company or its successor or successors as an entirety, or substantially as an entirety, to any other corporation (whether or not affiliated with the Company or its successor or successors) authorized to acquire and operate the same; provided, however, the Company hereby covenants and agrees that, upon any such consolidation or merger (in each case, if the Company is not the survivor of such transaction), sale, conveyance, transfer or other disposition, the due and punctual payment of the principal of (premium, if any) and interest on all of the Securities of all series in accordance with the terms of each series, according to their tenor, and the due and punctual performance and observance of all the covenants and conditions of this Indenture with respect to each series or established with respect to such series pursuant to Section 2.01 to be kept or performed by the Company shall be expressly assumed, by supplemental indenture (which shall conform to the provisions of the Trust Indenture Act, as then in effect) reasonably satisfactory in form to the Trustee executed and delivered to the Trustee by the entity formed by such consolidation, or into which the Company shall have been merged, or by the entity which shall have acquired such property.

Section 10.02 Successor Entity Substituted.

(a) In case of any such consolidation, merger, sale, conveyance, transfer or other disposition and upon the assumption by the successor entity by supplemental indenture, executed and delivered to the Trustee and satisfactory in form to the Trustee, of the obligations set forth under Section 10.01 on all of the Securities of all series Outstanding, such successor entity shall succeed to and be substituted for the Company with the same effect as if it had been named as the Company herein, and thereupon the predecessor corporation shall be relieved of all obligations and covenants under this Indenture and the Securities.

(b) In case of any such consolidation, merger, sale, conveyance, transfer or other disposition, such changes in phraseology and form (but not in substance) may be made in the Securities thereafter to be issued as may be appropriate.

(c) Nothing contained in this Article shall require any action by the Company in the case of a consolidation or merger of any Person into the Company where the Company is the survivor of such transaction, or the acquisition by the Company, by purchase or otherwise, of all or any part of the property of any other Person (whether or not affiliated with the Company).

Section 10.03 Evidence of Consolidation, Etc. to Trustee.

The Trustee, subject to the provisions of Section 7.01, may receive an Officers' Certificate or an Opinion of Counsel as conclusive evidence that any such consolidation, merger, sale, conveyance, transfer or other disposition, and any such assumption, comply with the provisions of this Article.

SATISFACTION AND DISCHARGE

Section 11.01 Satisfaction and Discharge of Indenture.

If at any time: (a) the Company shall have delivered to the Trustee for cancellation all Securities of a series theretofore authenticated and not delivered to the Trustee for cancellation (other than any Securities that shall have been destroyed, lost or stolen and that shall have been replaced or paid as provided in Section 2.07 and Securities for whose payment money or Governmental Obligations have theretofore been deposited in trust or segregated and held in trust by the Company and thereupon repaid to the Company or discharged from such trust, as provided in Section 11.05); or (b) all such Securities of a particular series not theretofore delivered to the Trustee for cancellation shall have become due and payable, or are by their terms to become due and payable within one year or are to be called for redemption within one year under arrangements satisfactory to the Trustee for the giving of notice of redemption, and the Company shall deposit or cause to be deposited with the Trustee as trust funds the entire amount in moneys or Governmental Obligations or a combination thereof, sufficient in the opinion of a nationally recognized firm of independent public accountants expressed in a written certification thereof delivered to the Trustee, to pay at maturity or upon redemption all Securities of that series not theretofore delivered to the Trustee for cancellation, including principal (and premium, if any) and interest due or to become due to such date of maturity or date fixed for redemption, as the case may be, and if the Company shall also pay or cause to be paid all other sums payable hereunder with respect to such series by the Company then this Indenture shall thereupon cease to be of further effect with respect to such series except for the provisions of Sections 2.03, 2.05, 2.07, 4.01, 4.02, 4.03 and 7.10, that shall survive until the date of maturity or redemption date, as the case may be, and Sections 7.06 and 11.05, that shall survive to such date and thereafter, and the Trustee, on demand of the Company and at the cost and expense of the Company shall execute proper instruments acknowledging satisfaction of and discharging this Indenture with respect to such series.

Section 11.02 Discharge of Obligations.

If at any time all such Securities of a particular series not heretofore delivered to the Trustee for cancellation or that have not become due and payable as described in Section 11.01 shall have been paid by the Company by depositing irrevocably with the Trustee as trust funds moneys or an amount of Governmental Obligations sufficient to pay at maturity or upon redemption all such Securities of that series not theretofore delivered to the Trustee for cancellation, including principal (and premium, if any) and interest due or to become due to such date of maturity or date fixed for redemption, as the case may be, and if the Company shall also pay or cause to be paid all other sums payable hereunder by the Company with respect to such series, then after the date such moneys or Governmental Obligations, as the case may be, are deposited with the Trustee the obligations of the Company under this Indenture with respect to such series shall cease to be of further effect except for the provisions of Sections 2.03, 2.05, 2.07, 4.01, 4.02, 4.03, 7.05, 7.10 and 11.05 hereof that shall survive until such Securities shall mature and be paid.

Thereafter, Sections 7.06 and 11.05 shall survive.

Section 11.03 Deposited Moneys to be Held in Trust.

All moneys or Governmental Obligations deposited with the Trustee pursuant to Sections 11.01 or 11.02 shall be held in trust and shall be available for payment as due, either directly or through any paying agent (including the Company acting as its own paying agent), to the holders of the particular series of Securities for the payment or redemption of which such moneys or Governmental Obligations have been deposited with the Trustee.

Section 11.04 Payment of Moneys Held by Paying Agents.

In connection with the satisfaction and discharge of this Indenture all moneys or Governmental Obligations then held by any paying agent under the provisions of this Indenture shall, upon demand of the Company, be paid to the Trustee and thereupon such paying agent shall be released from all further liability with respect to such moneys or Governmental Obligations.

Section 11.05 Repayment to Company.

Any moneys or Governmental Obligations deposited with any paying agent or the Trustee, or then held by the Company, in trust for payment of principal of or premium, if any, or interest on the Securities of a particular series that are not applied but remain unclaimed by the holders of such Securities for at least two years after the date upon which the principal of (and premium, if any) or interest on such Securities shall have respectively become due and payable, or such other shorter period set forth in applicable escheat or abandoned or unclaimed property law, shall be repaid to the Company on May 31 of each year or upon the Company's request or (if then held by the Company) shall be discharged from such trust; and thereupon the paying agent and the Trustee shall be released from all further liability with respect to such moneys or Governmental Obligations, and the holder of any of the Securities entitled to receive such payment shall thereafter, as a general creditor, look only to the Company for the payment thereof.

ARTICLE 12

IMMUNITY OF INCORPORATORS, SHAREHOLDERS, OFFICERS AND DIRECTORS

Section 12.01 No Recourse.

No recourse under or upon any obligation, covenant or agreement of this Indenture, or of any Security, or for any claim based thereon or otherwise in respect thereof, shall be had against any incorporator, shareholder, officer or director, past, present or future as such, of the Company or of any predecessor or successor corporation, either directly or through the Company or any such predecessor or successor corporation, whether by virtue of any constitution, statute or rule of law, or by the enforcement of any assessment or penalty or otherwise; it being expressly understood that this Indenture and the obligations issued hereunder are solely corporate obligations, and that no such personal liability whatever shall attach to, or is or shall be incurred by, the incorporators, shareholders, officers or directors as such, of the Company or of any predecessor or successor corporation, or any of them, because of the creation of the indebtedness hereby authorized, or under or by reason of the obligations, covenants or agreements contained in this Indenture or in any of the Securities or implied therefrom; and that any and all such personal liability of every name and nature, either at common law or in equity or by constitution or statute, of, and any and all such rights and claims against, every such incorporator, shareholder, officer or director as such, because of the creation of the indebtedness hereby authorized, or under or by reason of the obligations, covenants or agreements contained in this Indenture or in any of the Securities or implied therefrom, are hereby expressly waived and released as a condition of, and as a consideration for, the execution of this Indenture and the issuance of such Securities.

ARTICLE 13

MISCELLANEOUS PROVISIONS

Section 13.01 Effect on Successors and Assigns.

All the covenants, stipulations, promises and agreements in this Indenture made by or on behalf of the Company shall bind its successors and assigns, whether so expressed or not.

Section 13.02 Actions by Successor.

Any act or proceeding by any provision of this Indenture authorized or required to be done or performed by any board, committee or officer of the Company shall and may be done and performed with like force and effect by the corresponding board, committee or officer of any corporation that shall at the time be the lawful successor of the Company.

Section 13.03 Surrender of Company Powers.

The Company by instrument in writing executed by authority of its Board of Directors and delivered to the Trustee may surrender any of the powers reserved to the Company, and thereupon such power so surrendered shall terminate both as to the Company and as to any successor corporation.

Section 13.04 Notices.

Except as otherwise expressly provided herein, any notice, request or demand that by any provision of this Indenture is required or permitted to be given, made or served by the Trustee or by the holders of Securities or by any other Person pursuant to this Indenture to or on the Company may be given or served by being deposited in first class mail, postage prepaid, addressed (until another address is filed in writing by the Company with the Trustee), as follows: No. 8 Banhouhaichuan Rd, Xiqin Town, Yanping District, Nanping City, Fujian Province, China 353001, with a copy to Hunter Taubman Fischer & Li LLC, 950 Third Avenue, 19th Floor, New York, NY 10022, Attn: Ying Li, Esq. Any notice, election, request or demand by the Company or any Securityholder or by any other Person pursuant to this Indenture to or upon the Trustee shall be deemed to have been sufficiently given or made, for all purposes, if given or made in writing at the Corporate Trust Office of the Trustee.

Section 13.05 Governing Law.

This Indenture and each Security shall be deemed to be a contract made under the internal laws of the State of New York, and for all purposes shall be construed in accordance with the laws of said State, except to the extent that the Trust Indenture Act is applicable.

Section 13.06 Treatment of Securities as Debt.

It is intended that the Securities will be treated as indebtedness and not as equity for federal income tax purposes. The provisions of this Indenture shall be interpreted to further this intention.

Section 13.07 Certificates and Opinions as to Conditions Precedent.

(a) Upon any application or demand by the Company to the Trustee to take any action under any of the provisions of this Indenture, the Company shall furnish to the Trustee an Officers' Certificate stating that all conditions precedent provided for in this Indenture (other than the certificate to be delivered pursuant to Section 13.13) relating to the proposed action have been complied with and an Opinion of Counsel stating that in the opinion of such counsel all such conditions precedent have been complied with, except that in the case of any such application or demand as to which the furnishing of such documents is specifically required by any provision of this Indenture relating to such particular application or demand, no additional certificate or opinion need be furnished.

(b) Each certificate or opinion provided for in this Indenture and delivered to the Trustee with respect to compliance with a condition or covenant in this Indenture shall include (i) a statement that the Person making such certificate or opinion has read such covenant or condition; (ii) a brief statement as to the nature and scope of the examination or investigation upon which the statements or opinions contained in such certificate or opinion are based; (iii) a statement that, in the opinion of such Person, he has made such examination or investigation as is reasonably necessary to enable him to express an informed opinion as to whether or not such covenant or condition has been complied with; and (iv) a statement as to whether or not, in the opinion of such Person, such condition or covenant has been complied with.

Section 13.08 Payments on Business Days.

Except as provided pursuant to Section 2.01 pursuant to a Board Resolution, and set forth in an Officers' Certificate, or established in one or more indentures supplemental to this Indenture, in any case where the date of maturity of interest or principal of any Security or the date of redemption of any Security shall not be a Business Day, then payment of interest or principal (and premium, if any) may be made on the next succeeding Business Day with the same force and effect as if made on the nominal date of maturity or redemption, and no interest shall accrue for the period after such nominal date.

Section 13.09 Conflict with Trust Indenture Act.

If and to the extent that any provision of this Indenture limits, qualifies or conflicts with the duties imposed by Sections 310 to 317, inclusive, of the Trust Indenture Act, such imposed duties shall control.

Section 13.10 Indenture and Securities Solely Corporate Obligations.

No recourse for the payment of the principal of, premium, if any, or interest on any Securities, or for any claim based thereon or otherwise in respect thereof, and no recourse under or upon any obligation, covenant or agreement of the Company in this Indenture or in any supplemental indenture or in any Security, or because of the creation of any indebtedness represented thereby, shall be had against any incorporator, shareholder, employee, agent, officer, director or subsidiary, as such, past, present or future, of the Company or of any successor entity, either directly or through the Company or any successor entity, whether by virtue of any constitution, statute, or rule of law, or by the enforcement of any assessment or penalty or otherwise; it being expressly understood that all such liability is hereby expressly waived and released as a condition of, and as a consideration for, the execution of this Indenture and the issuance of the Securities.

Section 13.11 Counterparts.

This Indenture may be executed in any number of counterparts, each of which shall be an original, but such counterparts shall together constitute but one and the same instrument.

Section 13.12 Separability.

In case any one or more of the provisions contained in this Indenture or in the Securities of any series shall for any reason be held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provisions of this Indenture or of such Securities, but this Indenture and such Securities shall be construed as if such invalid or illegal or unenforceable provision had never been contained herein or therein.

Section 13.13 Compliance Certificates.

The Company shall deliver to the Trustee, within 120 days after the end of each fiscal year during which any Securities of any series were outstanding, a compliance certificate stating whether or not the signer knows of any Default or Event of Default that occurred during such fiscal year. Such certificate shall contain a certification from the principal executive officer, principal financial officer or principal accounting officer of the Company that a review has been conducted of the activities of the Company and the Company's performance under this Indenture and that the Company has complied with all conditions and covenants under this Indenture. For purposes of this Section 13.13, such compliance shall be determined without regard to any period of grace or requirement of notice provided under this Indenture. If the officer of the Company signing such certificate has knowledge of such a Default or Event of Default, the certificate shall describe any such Default or Event of Default and its status.

IN WITNESS WHEREOF, the parties hereto have caused this Indenture to be duly executed all as of the day and year first above written.

Sentage Holdings Inc.

By:

Name:

Title:

[TRUSTEE], as Trustee

By:

Name:

Title:

CROSS-REFERENCE TABLE (1)

Section of Trust Indenture Act of 1939, as Amended	Section of Indenture
310(a)	7.09
310(b)	7.08
	7.10
310(c)	Inapplicable
311(a)	7.13
311(b)	7.13
311(c)	Inapplicable
312(a)	5.01
	5.02(a)
312(b)	5.02(c)
312(c)	5.02(c)
313(a)	5.04(a)
313(b)	5.04(b)
313(c)	5.04(a)
	5.04(b)
313(d)	5.04(c)
314(a)	5.03
	13.12
314(b)	Inapplicable
314(c)	13.07(a)
314(d)	Inapplicable
314(e)	13.07(b)
314(f)	Inapplicable
315(a)	7.01(a)
	7.01(b)
315(b)	7.14
315(c)	7.01
315(d)	7.01(b)
315(e)	6.07
316(a)	6.06
	8.04
316(b)	6.04
316(c)	8.01
317(a)	6.02
317(b)	4.03
318(a)	13.09

(1) This Cross-Reference Table does not constitute part of the Indenture and shall not have any bearing on the interpretation of any of its terms or provisions.

SENTAGE HOLDINGS INC.

(the “Issuer”)

AND

[TRUSTEE]
(the “Trustee”)

INDENTURE

Dated as of [•], 20[•]

Subordinated Debt Securities

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(1) This Table of Contents does not constitute part of the Indenture and shall not have any bearing on the interpretation of any of its terms or provisions.

INDENTURE

INDENTURE, dated as of [●], 20[●], among Sentage Holdings Inc., a Cayman Islands exempted company with limited liability (the “Company”), and [TRUSTEE], as trustee (the “Trustee”).

WHEREAS, for its lawful corporate purposes, the Company has duly authorized the execution and delivery of this Indenture to provide for the issuance of subordinated debt securities (hereinafter referred to as the “Securities”), in an unlimited aggregate principal amount to be issued from time to time in one or more series as in this Indenture provided, as registered Securities without coupons, to be authenticated by the certificate of the Trustee;

WHEREAS, to provide the terms and conditions upon which the Securities are to be authenticated, issued and delivered, the Company has duly authorized the execution of this Indenture; and

WHEREAS, all things necessary to make this Indenture a valid agreement of the Company, in accordance with its terms, have been done.

NOW, THEREFORE, in consideration of the premises and the purchase of the Securities by the holders thereof, it is mutually covenanted and agreed as follows for the equal and ratable benefit of the holders of Securities:

ARTICLE 1

DEFINITIONS

Section 1.01 Definitions of Terms.

The terms defined in this Section (except as in this Indenture or any indenture supplemental hereto otherwise expressly provided or unless the context otherwise requires) for all purposes of this Indenture and of any indenture supplemental hereto shall have the respective meanings specified in this Section and shall include the plural as well as the singular. All other terms used in this Indenture that are defined in the Trust Indenture Act of 1939, as amended, or that are by reference in such Act defined in the Securities Act of 1933, as amended (except as herein or any indenture supplemental hereto otherwise expressly provided or unless the context otherwise requires), shall have the meanings assigned to such terms in said Trust Indenture Act and in said Securities Act as in force at the date of the execution of this instrument.

“**Authenticating Agent**” means an authenticating agent with respect to all or any of the series of Securities appointed by the Trustee pursuant to Section 2.10.

“**Bankruptcy Law**” means Title 11, U.S. Code, or any similar federal or state law for the relief of debtors.

“**Board of Directors**” means the Board of Directors of the Company or any duly authorized committee of such Board.

“**Board Resolution**” means a copy of a resolution certified by any director of the Company to have been duly adopted by the Board of Directors and to be in full force and effect on the date of such certification.

“**Business Day**” means, with respect to any series of Securities, any day other than a day on which federal or state banking institutions in the Borough of Manhattan, the City of New York, or in the city of the Corporate Trust Office of the Trustee, are authorized or obligated by law, executive order or regulation to close.

“**Certificate**” means a certificate signed by any Officer. The Certificate need not comply with the provisions of Section 13.07.

“**Company**” means Sentage Holdings Inc., a Cayman Islands exempted company with limited liability, and, subject to the provisions of Article Ten, shall also include its successors and assigns.

“**Corporate Trust Office**” means the office of the Trustee at which, at any particular time, its corporate trust business shall be principally administered, which office at the date hereof is located at [].

“**Custodian**” means any receiver, trustee, assignee, liquidator or similar official under any Bankruptcy Law.

“**Default**” means any event, act or condition that with notice or lapse of time, or both, would constitute an Event of Default.

“**Depository**” means, with respect to Securities of any series for which the Company shall determine that such Securities will be issued as a Global Security, The Depository Trust Company, New York, New York, another clearing agency, or any successor registered as a clearing agency under the Securities and Exchange Act of 1934, as amended (the “Exchange Act”), or other applicable statute or regulation, which, in each case, shall be designated by the Company pursuant to either Section 2.01 or 2.11.

“**Event of Default**” means, with respect to Securities of a particular series, any event specified in Section 6.01, continued for the period of time, if any, therein designated.

“**Global Security**” means, with respect to any series of Securities, a Security executed by the Company and delivered by the Trustee to the Depository or pursuant to the Depository’s instruction, all in accordance with the Indenture, which shall be registered in the name of the Depository or its nominee.

“**Governmental Obligations**” means securities that are (a) direct obligations of the United States of America for the payment of which its full faith and credit is pledged or (b) obligations of a Person controlled or supervised by and acting as an agency or instrumentality of the United States of America, the payment of which is unconditionally guaranteed as a full faith and credit obligation by the United States of America that, in either case, are not callable or redeemable at the option of the issuer thereof at any time prior to the stated maturity of the Securities, and shall also include a depository receipt issued by a bank or trust company as custodian with respect to any such Governmental Obligation or a specific payment of principal of or interest on any such Governmental Obligation held by such custodian for the account of the holder of such depository receipt; provided, however, that (except as required by law) such custodian is not authorized to make any deduction from the amount payable to the holder of such depository receipt from any amount received by the custodian in respect of the Governmental Obligation or the specific payment of principal of or interest on the Governmental Obligation evidenced by such depository receipt.

“**herein**”, “**hereof**” and “**hereunder**”, and other words of similar import, refer to this Indenture as a whole and not to any particular Article, Section or other subdivision.

“**Indenture**” means this instrument as originally executed or as it may from time to time be supplemented or amended by one or more indentures supplemental hereto entered into in accordance with the terms hereof.

“Interest Payment Date”, when used with respect to any installment of interest on a Security of a particular series, means the date specified in such Security or in a Board Resolution or in an indenture supplemental hereto with respect to such series as the fixed date on which an installment of interest with respect to Securities of that series is due and payable.

“Officer” means, with respect to the Company, the chairman of the Board of Directors, a chief executive officer, a president, a chief financial officer, chief operating officer, any executive vice president, any senior vice president, any vice president, the treasurer or any assistant treasurer, the controller or any assistant controller or the secretary or any assistant secretary.

“Officers’ Certificate” means a certificate signed by any two Officers. Each such certificate shall include the statements provided for in Section 13.07, if and to the extent required by the provisions thereof.

“Opinion of Counsel” means an opinion in writing subject to customary exceptions of legal counsel, who may be an employee of or counsel for the Company, that is delivered to the Trustee in accordance with the terms hereof. Each such opinion shall include the statements provided for in Section 13.07, if and to the extent required by the provisions thereof.

“Outstanding”, when used with reference to Securities of any series, means, subject to the provisions of Section 8.04, as of any particular time, all Securities of that series theretofore authenticated and delivered by the Trustee under this Indenture, except (a) Securities theretofore canceled by the Trustee or any paying agent, or delivered to the Trustee or any paying agent for cancellation or that have previously been canceled; (b) Securities or portions thereof for the payment or redemption of which moneys or Governmental Obligations in the necessary amount shall have been deposited in trust with the Trustee or with any paying agent (other than the Company) or shall have been set aside and segregated in trust by the Company (if the Company shall act as its own paying agent); provided, however, that if such Securities or portions of such Securities are to be redeemed prior to the maturity thereof, notice of such redemption shall have been given as in Article Three provided, or provision satisfactory to the Trustee shall have been made for giving such notice; and (c) Securities in lieu of or in substitution for which other Securities shall have been authenticated and delivered pursuant to the terms of Section 2.07.

“Person” means any individual, corporation, partnership, joint venture, joint-stock company, limited liability company, association, trust, unincorporated organization, any other entity or organization, including a government or political subdivision or an agency or instrumentality thereof.

“Predecessor Security” of any particular Security means every previous Security evidencing all or a portion of the same debt as that evidenced by such particular Security; and, for the purposes of this definition, any Security authenticated and delivered under Section 2.07 in lieu of a lost, destroyed or stolen Security shall be deemed to evidence the same debt as the lost, destroyed or stolen Security.

“Responsible Officer” when used with respect to the Trustee means the chairman of its board of directors, the chief executive officer, the president, any vice president, the secretary, the treasurer, any trust officer, any corporate trust officer or any other officer or assistant officer of the Trustee customarily performing functions similar to those performed by the Persons who at the time shall be such officers, respectively, or to whom any corporate trust matter is referred because of his or her knowledge of and familiarity with the particular subject.

“Securities” means the debt Securities authenticated and delivered under this Indenture.

“**Securityholder**”, “holder of Securities”, “registered holder”, or other similar term, means the Person or Persons in whose name or names a particular Security shall be registered on the books of the Company kept for that purpose in accordance with the terms of this Indenture.

“**Security Register**” and “**Security Registrar**” shall have the meanings as set forth in Section 2.05.

“**Subsidiary**” means, with respect to any Person, (i) any corporation at least a majority of whose outstanding Voting Stock shall at the time be owned, directly or indirectly, by such Person or by one or more of its Subsidiaries or by such Person and one or more of its Subsidiaries, (ii) any general partnership, joint venture or similar entity, at least a majority of whose outstanding partnership or similar interests shall at the time be owned by such Person, or by one or more of its Subsidiaries, or by such Person and one or more of its Subsidiaries and (iii) any limited partnership of which such Person or any of its Subsidiaries is a general partner.

“**Trustee**” means, and, subject to the provisions of Article Seven, shall also include its successors and assigns, and, if at any time there is more than one Person acting in such capacity hereunder, “Trustee” shall mean each such Person. The term “Trustee” as used with respect to a particular series of the Securities shall mean the trustee with respect to that series.

“**Trust Indenture Act**” means the Trust Indenture Act of 1939, as amended.

“**Voting Stock**”, as applied to stock of any Person, means shares, interests, participations or other equivalents in the equity interest (however designated) in such Person having ordinary voting power for the election of a majority of the directors (or the equivalent) of such Person, other than shares, interests, participations or other equivalents having such power only by reason of the occurrence of a contingency.

ARTICLE 2

ISSUE, DESCRIPTION, TERMS, EXECUTION, REGISTRATION AND EXCHANGE OF SECURITIES

Section 2.01 Designation and Terms of Securities.

(a) The aggregate principal amount of Securities that may be authenticated and delivered under this Indenture is unlimited. The Securities may be issued in one or more series up to the aggregate principal amount of Securities of that series from time to time authorized by or pursuant to a Board Resolution or pursuant to one or more indentures supplemental hereto. Prior to the initial issuance of Securities of any series, there shall be established in or pursuant to a Board Resolution, and set forth in an Officers’ Certificate, or established in one or more indentures supplemental hereto:

(1) the title of the Securities of the series (which shall distinguish the Securities of that series from all other Securities);

(2) any limit upon the aggregate principal amount of the Securities of that series that may be authenticated and delivered under this Indenture (except for Securities authenticated and delivered upon registration of transfer of, or in exchange for, or in lieu of, other Securities of that series);

(3) the date or dates on which the principal of the Securities of the series is payable, any original issue discount that may apply to the Securities of that series upon their issuance, the principal amount due at maturity, and the place(s) of payment;

(4) the rate or rates at which the Securities of the series shall bear interest or the manner of calculation of such rate or rates, if any;

(5) the date or dates from which such interest shall accrue, the Interest Payment Dates on which such interest will be payable or the manner of determination of such Interest Payment Dates, the place(s) of payment, and the record date for the determination of holders to whom interest is payable on any such Interest Payment Dates or the manner of determination of such record dates;

(6) the right, if any, to extend the interest payment periods and the duration of such extension;

(7) the period or periods within which, the price or prices at which and the terms and conditions upon which Securities of the series may be redeemed, in whole or in part, at the option of the Company;

(8) the obligation, if any, of the Company to redeem or purchase Securities of the series pursuant to any sinking fund, mandatory redemption, or analogous provisions (including payments made in cash in satisfaction of future sinking fund obligations) or at the option of a holder thereof and the period or periods within which, the price or prices at which, and the terms and conditions upon which, Securities of the series shall be redeemed or purchased, in whole or in part, pursuant to such obligation;

(9) the form of the Securities of the series including the form of the Certificate of Authentication for such series;

(10) if other than denominations of one thousand U.S. dollars (\$1,000) or any integral multiple thereof, the denominations in which the Securities of the series shall be issuable;

(11) any and all other terms (including terms, to the extent applicable, relating to any auction or remarketing of the Securities of that series and any security for the obligations of the Company with respect to such Securities) with respect to such series (which terms shall not be inconsistent with the terms of this Indenture, as amended by any supplemental indenture) including any terms which may be required by or advisable under United States laws or regulations or advisable in connection with the marketing of Securities of that series;

(12) whether the Securities are issuable as a Global Security and, in such case, the terms and the identity of the Depositary for such series;

(13) whether the Securities will be convertible into or exchangeable for ordinary shares or other securities of the Company or any other Person and, if so, the terms and conditions upon which such Securities will be so convertible or exchangeable, including the conversion or exchange price, as applicable, or how it will be calculated and may be adjusted, any mandatory or optional (at the Company's option or the holders' option) conversion or exchange features, and the applicable conversion or exchange period;

(14) if other than the principal amount thereof, the portion of the principal amount of Securities of the series which shall be payable upon declaration of acceleration of the maturity thereof pursuant to Section 6.01;

(15) any additional or different Events of Default or restrictive covenants (which may include, among other restrictions, restrictions on the Company's ability or the ability of the Company's Subsidiaries to: incur additional indebtedness; issue additional securities; create liens; pay dividends or make distributions in respect of their capital stock; redeem capital stock; place restrictions on such Subsidiaries placing restrictions on their ability to pay dividends, make distributions or transfer assets; make investments or other restricted payments; sell or otherwise dispose of assets; enter into sale-leaseback transactions; engage in transactions with shareholders and affiliates; issue or sell shares of their Subsidiaries; or effect a consolidation or merger) or financial covenants (which may include, among other financial covenants, financial covenants that require the Company and its Subsidiaries to maintain specified interest coverage, fixed charge, cash flow-based or asset-based ratios) provided for with respect to the Securities of the series;

(16) if other than dollars, the coin or currency in which the Securities of the series are denominated (including, but not limited to, foreign currency);

(17) the terms and conditions, if any, upon which the Company shall pay amounts in addition to the stated interest, premium, if any and principal amounts of the Securities of the series to any Securityholder that is not a "United States person" for federal tax purposes;

(18) any restrictions on transfer, sale or assignment of the Securities of the series; and

(19) the subordination terms of the Securities of the series.

All Securities of any one series shall be substantially identical except as to denomination and except as may otherwise be provided in or pursuant to any such Board Resolution or in any indentures supplemental hereto.

If any of the terms of the series are established by action taken pursuant to a Board Resolution of the Company, a copy of an appropriate record of such action shall be certified by the secretary or an assistant secretary of the Company and delivered to the Trustee at or prior to the delivery of the Officers' Certificate of the Company setting forth the terms of the series.

Securities of any particular series may be issued at various times, with different dates on which the principal or any installment of principal is payable, with different rates of interest, if any, or different methods by which rates of interest may be determined, with different dates on which such interest may be payable and with different redemption dates.

Section 2.02 Form of Securities and Trustee's Certificate.

The Securities of any series and the Trustee's certificate of authentication to be borne by such Securities shall be substantially of the tenor and purport as set forth in one or more indentures supplemental hereto or as provided in a Board Resolution, and set forth in an Officers' Certificate, and they may have such letters, numbers or other marks of identification or designation and such legends or endorsements printed, lithographed or engraved thereon as the Company may deem appropriate and as are not inconsistent with the provisions of this Indenture, or as may be required to comply with any law or with any rule or regulation made pursuant thereto or with any rule or regulation of any securities exchange on which Securities of that series may be listed, or to conform to usage.

Section 2.03 Denominations: Provisions for Payment.

The Securities shall be issuable as registered Securities and in the denominations of one thousand U.S. dollars (\$1,000) or any integral multiple thereof, subject to Section 2.01(a) (10). The Securities of a particular series shall bear interest payable on the dates and at the rate specified with respect to that series. Subject to Section 2.01(a)(16), the principal of and the interest on the Securities of any series, as well as any premium thereon in case of redemption thereof prior to maturity, shall be payable in the coin or currency of the United States of America that at the time is legal tender for public and private debt, at the office or agency of the Company maintained for that purpose in the Borough of Manhattan, the City and State of New York. Each Security shall be dated the date of its authentication. Interest on the Securities shall be computed on the basis of a 360-day year composed of twelve 30-day months.

The interest installment on any Security that is payable, and is punctually paid or duly provided for, on any Interest Payment Date for Securities of that series shall be paid to the Person in whose name said Security (or one or more Predecessor Securities) is registered at the close of business on the regular record date for such interest installment. In the event that any Security of a particular series or portion thereof is called for redemption and the redemption date is subsequent to a regular record date with respect to any Interest Payment Date and prior to such Interest Payment Date, interest on such Security will be paid upon presentation and surrender of such Security as provided in Section 3.03.

Any interest on any Security that is payable, but is not punctually paid or duly provided for, on any Interest Payment Date for Securities of the same series (herein called "Defaulted Interest") shall forthwith cease to be payable to the registered holder on the relevant regular record date by virtue of having been such holder; and such Defaulted Interest shall be paid by the Company, at its election, as provided in clause (1) or clause (2) below:

(1) The Company may make payment of any Defaulted Interest on Securities to the Persons in whose names such Securities (or their respective Predecessor Securities) are registered at the close of business on a special record date for the payment of such Defaulted Interest, which shall be fixed in the following manner: the Company shall notify the Trustee in writing of the amount of Defaulted Interest proposed to be paid on each such Security and the date of the proposed payment, and at the same time the Company shall deposit with the Trustee an amount of money equal to the aggregate amount proposed to be paid in respect of such Defaulted Interest or shall make arrangements satisfactory to the Trustee for such deposit prior to the date of the proposed payment, such money when deposited to be held in trust for the benefit of the Persons entitled to such Defaulted Interest as in this clause provided. Thereupon the Trustee shall fix a special record date for the payment of such Defaulted Interest which shall not be more than 15 nor less than 10 days prior to the date of the proposed payment and not less than 10 days after the receipt by the Trustee of the notice of the proposed payment. The Trustee shall promptly notify the Company of such special record date and, in the name and at the expense of the Company, shall cause notice of the proposed payment of such Defaulted Interest and the special record date therefor to be mailed, first class postage prepaid, to each Securityholder at his or her address as it appears in the Security Register (as hereinafter defined), not less than 10 days prior to such special record date. Notice of the proposed payment of such Defaulted Interest and the special record date therefor having been mailed as aforesaid, such Defaulted Interest shall be paid to the Persons in whose names such Securities (or their respective Predecessor Securities) are registered on such special record date.

(2) The Company may make payment of any Defaulted Interest on any Securities in any other lawful manner not inconsistent with the requirements of any securities exchange on which such Securities may be listed, and upon such notice as may be required by such exchange, if, after notice given by the Company to the Trustee of the proposed payment pursuant to this clause, such manner of payment shall be deemed practicable by the Trustee.

Unless otherwise set forth in a Board Resolution or one or more indentures supplemental hereto establishing the terms of any series of Securities pursuant to Section 2.01 hereof, the term "regular record date" as used in this Section with respect to a series of Securities and any Interest Payment Date for such series shall mean either the fifteenth day of the month immediately preceding the month in which an Interest Payment Date established for such series pursuant to Section 2.01 hereof shall occur, if such Interest Payment Date is the first day of a month, or the first day of the month in which an Interest Payment Date established for such series pursuant to Section 2.01 hereof shall occur, if such Interest Payment Date is the fifteenth day of a month, whether or not such date is a Business Day.

Subject to the foregoing provisions of this Section, each Security of a series delivered under this Indenture upon transfer of or in exchange for or in lieu of any other Security of such series shall carry the rights to interest accrued and unpaid, and to accrue, that were carried by such other Security.

Section 2.04 Execution and Authentication.

The Securities shall be signed on behalf of the Company by one of its Directors. Signatures may be in the form of a manual or facsimile signature.

The Company may use the facsimile signature of any Person who shall have been an Officer, notwithstanding the fact that at the time the Securities shall be authenticated and delivered or disposed of such Person shall have ceased to be such an officer of the Company. The Securities may contain such notations, legends or endorsements required by law, stock exchange rule or usage. Each Security shall be dated the date of its authentication by the Trustee.

A Security shall not be valid until authenticated manually by an authorized signatory of the Trustee, or by an Authenticating Agent. Such signature shall be conclusive evidence that the Security so authenticated has been duly authenticated and delivered hereunder and that the holder is entitled to the benefits of this Indenture. At any time and from time to time after the execution and delivery of this Indenture, the Company may deliver Securities of any series executed by the Company to the Trustee for authentication, together with a written order of the Company for the authentication and delivery of such Securities, signed by an Officer, and the Trustee in accordance with such written order shall authenticate and deliver such Securities.

In authenticating such Securities and accepting the additional responsibilities under this Indenture in relation to such Securities, the Trustee shall be entitled to receive, and (subject to Section 7.01) shall be fully protected in relying upon, an Opinion of Counsel stating that the form and terms thereof have been established in conformity with the provisions of this Indenture.

The Trustee shall not be required to authenticate such Securities if the issue of such Securities pursuant to this Indenture will affect the Trustee's own rights, duties or immunities under the Securities and this Indenture or otherwise in a manner that is not reasonably acceptable to the Trustee.

Section 2.05 Registration of Transfer and Exchange.

(a) Securities of any series may be exchanged upon presentation thereof at the office or agency of the Company designated for such purpose in the Borough of Manhattan, the City and State of New York, for other Securities of such series of authorized denominations, and for a like aggregate principal amount, upon payment of a sum sufficient to cover any tax or other governmental charge in relation thereto, all as provided in this Section. In respect of any Securities so surrendered for exchange, the Company shall execute, the Trustee shall authenticate and such office or agency shall deliver in exchange therefor the Security or Securities of the same series that the Securityholder making the exchange shall be entitled to receive, bearing numbers not contemporaneously outstanding.

(b) The Company shall keep, or cause to be kept, at its office or agency designated for such purpose in the Borough of Manhattan, the City and State of New York, or such other location designated by the Company, a register or registers (herein referred to as the "Security Register") in which, subject to such reasonable regulations as it may prescribe, the Company shall register the Securities and the transfers of Securities as in this Article provided and which at all reasonable times shall be open for inspection by the Trustee. The registrar for the purpose of registering Securities and transfer of Securities as herein provided shall be appointed as authorized by Board Resolution (the "Security Registrar").

Upon surrender for transfer of any Security at the office or agency of the Company designated for such purpose, the Company shall execute, the Trustee shall authenticate and such office or agency shall deliver in the name of the transferee or transferees a new Security or Securities of the same series as the Security presented for a like aggregate principal amount.

All Securities presented or surrendered for exchange or registration of transfer, as provided in this Section, shall be accompanied (if so required by the Company or the Security Registrar) by a written instrument or instruments of transfer, in form satisfactory to the Company or the Security Registrar, duly executed by the registered holder or by such holder's duly authorized attorney in writing.

(c) Except as provided pursuant to Section 2.01 pursuant to a Board Resolution, and set forth in an Officers' Certificate, or established in one or more indentures supplemental to this Indenture, no service charge shall be made for any exchange or registration of transfer of Securities, or issue of new Securities in case of partial redemption of any series, but the Company may require payment of a sum sufficient to cover any tax or other governmental charge in relation thereto, other than exchanges pursuant to Section 2.06, Section 3.03(b) and Section 9.04 not involving any transfer.

(d) The Company shall not be required (i) to issue, exchange or register the transfer of any Securities during a period beginning at the opening of business 15 days before the day of the mailing of a notice of redemption of less than all the Outstanding Securities of the same series and ending at the close of business on the day of such mailing, nor (ii) to register the transfer of or exchange any Securities of any series or portions thereof called for redemption, other than the unredeemed portion of any such Securities being redeemed in part. The provisions of this Section 2.05 are, with respect to any Global Security, subject to Section 2.11 hereof.

Section 2.06 Temporary Securities.

Pending the preparation of definitive Securities of any series, the Company may execute, and the Trustee shall authenticate and deliver, temporary Securities (printed, lithographed or typewritten) of any authorized denomination. Such temporary Securities shall be substantially in the form of the definitive Securities in lieu of which they are issued, but with such omissions, insertions and variations as may be appropriate for temporary Securities, all as may be determined by the Company. Every temporary Security of any series shall be executed by the Company and be authenticated by the Trustee upon the same conditions and in substantially the same manner, and with like effect, as the definitive Securities of such series. Without unnecessary delay the Company will execute and will furnish definitive Securities of such series and thereupon any or all temporary Securities of such series may be surrendered in exchange therefor (without charge to the holders), at the office or agency of the Company designated for the purpose in the Borough of Manhattan, the City and State of New York, and the Trustee shall authenticate and such office or agency shall deliver in exchange for such temporary Securities an equal aggregate principal amount of definitive Securities of such series, unless the Company advises the Trustee to the effect that definitive Securities need not be executed and furnished until further notice from the Company. Until so exchanged, the temporary Securities of such series shall be entitled to the same benefits under this Indenture as definitive Securities of such series authenticated and delivered hereunder.

Section 2.07 Mutilated, Destroyed, Lost or Stolen Securities.

In case any temporary or definitive Security shall become mutilated or be destroyed, lost or stolen, the Company (subject to the next succeeding sentence) shall execute, and upon the Company's request the Trustee (subject as aforesaid) shall authenticate and deliver, a new Security of the same series, bearing a number not contemporaneously outstanding, in exchange and substitution for the mutilated Security, or in lieu of and in substitution for the Security so destroyed, lost or stolen. In every case the applicant for a substituted Security shall furnish to the Company and the Trustee such security or indemnity as may be required by them to save each of them harmless, and, in every case of destruction, loss or theft, the applicant shall also furnish to the Company and the Trustee evidence to their satisfaction of the destruction, loss or theft of the applicant's Security and of the ownership thereof. The Trustee may authenticate any such substituted Security and deliver the same upon the written request or authorization of any officer of the Company. Upon the issuance of any substituted Security, the Company may require the payment of a sum sufficient to cover any tax or other governmental charge that may be imposed in relation thereto and any other expenses (including the fees and expenses of the Trustee) connected therewith.

In case any Security that has matured or is about to mature shall become mutilated or be destroyed, lost or stolen, the Company may, instead of issuing a substitute Security, pay or authorize the payment of the same (without surrender thereof except in the case of a mutilated Security) if the applicant for such payment shall furnish to the Company and the Trustee such security or indemnity as they may require to save them harmless, and, in case of destruction, loss or theft, evidence to the satisfaction of the Company and the Trustee of the destruction, loss or theft of such Security and of the ownership thereof.

Every replacement Security issued pursuant to the provisions of this Section shall constitute an additional contractual obligation of the Company whether or not the mutilated, destroyed, lost or stolen Security shall be found at any time, or be enforceable by anyone, and shall be entitled to all the benefits of this Indenture equally and proportionately with any and all other Securities of the same series duly issued hereunder. All Securities shall be held and owned upon the express condition that the foregoing provisions are exclusive with respect to the replacement or payment of mutilated, destroyed, lost or stolen Securities, and shall preclude (to the extent lawful) any and all other rights or remedies, notwithstanding any law or statute existing or hereafter enacted to the contrary with respect to the replacement or payment of negotiable instruments or other securities without their surrender.

Section 2.08 Cancellation.

All Securities surrendered for the purpose of payment, redemption, exchange or registration of transfer shall, if surrendered to the Company or any paying agent, be delivered to the Trustee for cancellation, or, if surrendered to the Trustee, shall be cancelled by it, and no Securities shall be issued in lieu thereof except as expressly required or permitted by any of the provisions of this Indenture. In the absence of such request the Trustee may dispose of canceled Securities in accordance with its standard procedures and deliver a certificate of disposition to the Company. If the Company shall otherwise acquire any of the Securities, however, such acquisition shall not operate as a redemption or satisfaction of the indebtedness represented by such Securities unless and until the same are delivered to the Trustee for cancellation.

Section 2.09 Benefits of Indenture.

Nothing in this Indenture or in the Securities, express or implied, shall give or be construed to give to any Person, other than the parties hereto and the holders of the Securities (and, with respect to the provisions of Article Fourteen, the holders of any indebtedness of the Company to which the Securities of any series are subordinated) any legal or equitable right, remedy or claim under or in respect of this Indenture, or under any covenant, condition or provision herein contained; all such covenants, conditions and provisions being for the sole benefit of the parties hereto and of the holders of the Securities (and, with respect to the provisions of Article Fourteen, the holders of any indebtedness of the Company to which the Securities of any series are subordinated).

Section 2.10 Authenticating Agent.

So long as any of the Securities of any series remain Outstanding there may be an Authenticating Agent for any or all such series of Securities which the Trustee shall have the right to appoint. Said Authenticating Agent shall be authorized to act on behalf of the Trustee to authenticate Securities of such series issued upon exchange, transfer or partial redemption thereof, and Securities so authenticated shall be entitled to the benefits of this Indenture and shall be valid and obligatory for all purposes as if authenticated by the Trustee hereunder. All references in this Indenture to the authentication of Securities by the Trustee shall be deemed to include authentication by an Authenticating Agent for such series. Each Authenticating Agent shall be acceptable to the Company and shall be a corporation that has a combined capital and surplus, as most recently reported or determined by it, sufficient under the laws of any jurisdiction under which it is organized or in which it is doing business to conduct a trust business, and that is otherwise authorized under such laws to conduct such business and is subject to supervision or examination by federal or state authorities. If at any time any Authenticating Agent shall cease to be eligible in accordance with these provisions, it shall resign immediately.

Any Authenticating Agent may at any time resign by giving written notice of resignation to the Trustee and to the Company. The Trustee may at any time (and upon request by the Company shall) terminate the agency of any Authenticating Agent by giving written notice of termination to such Authenticating Agent and to the Company. Upon resignation, termination or cessation of eligibility of any Authenticating Agent, the Trustee may appoint an eligible successor Authenticating Agent acceptable to the Company. Any successor Authenticating Agent, upon acceptance of its appointment hereunder, shall become vested with all the rights, powers and duties of its predecessor hereunder as if originally named as an Authenticating Agent pursuant hereto.

Section 2.11 Global Securities.

(a) If the Company shall establish pursuant to Section 2.01 that the Securities of a particular series are to be issued as a Global Security, then the Company shall execute and the Trustee shall, in accordance with Section 2.04, authenticate and deliver, a Global Security that (i) shall represent, and shall be denominated in an amount equal to the aggregate principal amount of, all of the Outstanding Securities of such series, (ii) shall be registered in the name of the Depository or its nominee, (iii) shall be delivered by the Trustee to the Depository or pursuant to the Depository's instruction and (iv) shall bear a legend substantially to the following effect: "Except as otherwise provided in Section 2.11 of the Indenture, this Security may be transferred, in whole but not in part, only to another nominee of the Depository or to a successor Depository or to a nominee of such successor Depository."

(b) Notwithstanding the provisions of Section 2.05, the Global Security of a series may be transferred, in whole but not in part and in the manner provided in Section 2.05, only to another nominee of the Depository for such series, or to a successor Depository for such series selected or approved by the Company or to a nominee of such successor Depository.

(c) If at any time the Depositary for a series of the Securities notifies the Company that it is unwilling or unable to continue as Depositary for such series or if at any time the Depositary for such series shall no longer be registered or in good standing under the Exchange Act, or other applicable statute or regulation, and a successor Depositary for such series is not appointed by the Company within 90 days after the Company receives such notice or becomes aware of such condition, as the case may be, or if an Event of Default has occurred and is continuing and the Company has received a request from the Depositary, this Section 2.11 shall no longer be applicable to the Securities of such series and the Company will execute, and subject to Section 2.04, the Trustee will authenticate and deliver the Securities of such series in definitive registered form without coupons, in authorized denominations, and in an aggregate principal amount equal to the principal amount of the Global Security of such series in exchange for such Global Security. In addition, the Company may at any time determine that the Securities of any series shall no longer be represented by a Global Security and that the provisions of this Section 2.11 shall no longer apply to the Securities of such series. In such event the Company will execute and, subject to Section 2.04, the Trustee, upon receipt of an Officers' Certificate evidencing such determination by the Company, will authenticate and deliver the Securities of such series in definitive registered form without coupons, in authorized denominations, and in an aggregate principal amount equal to the principal amount of the Global Security of such series in exchange for such Global Security. Upon the exchange of the Global Security for such Securities in definitive registered form without coupons, in authorized denominations, the Global Security shall be canceled by the Trustee. Such Securities in definitive registered form issued in exchange for the Global Security pursuant to this Section 2.11(c) shall be registered in such names and in such authorized denominations as the Depositary, pursuant to instructions from its direct or indirect participants or otherwise, shall instruct the Trustee. The Trustee shall deliver such Securities to the Depositary for delivery to the Persons in whose names such Securities are so registered.

ARTICLE 3

REDEMPTION OF SECURITIES AND SINKING FUND PROVISIONS

Section 3.01 Redemption.

The Company may redeem the Securities of any series issued hereunder on and after the dates and in accordance with the terms established for such series pursuant to Section 2.01 hereof.

Section 3.02 Notice of Redemption.

(a) In case the Company shall desire to exercise such right to redeem all or, as the case may be, a portion of the Securities of any series in accordance with any right the Company reserved for itself to do so pursuant to Section 2.01 hereof, the Company shall, or shall cause the Trustee to, give notice of such redemption to holders of the Securities of such series to be redeemed by mailing, first class postage prepaid, a notice of such redemption not less than 30 days and not more than 90 days before the date fixed for redemption of that series to such holders at their last addresses as they shall appear upon the Security Register, unless a shorter period is specified in the Securities to be redeemed. Any notice that is mailed in the manner herein provided shall be conclusively presumed to have been duly given, whether or not the registered holder receives the notice. In any case, failure duly to give such notice to the holder of any Security of any series designated for redemption in whole or in part, or any defect in the notice, shall not affect the validity of the proceedings for the redemption of any other Securities of such series or any other series. In the case of any redemption of Securities prior to the expiration of any restriction on such redemption provided in the terms of such Securities or elsewhere in this Indenture, the Company shall furnish the Trustee with an Officers' Certificate evidencing compliance with any such restriction.

Each such notice of redemption shall specify the date fixed for redemption and the redemption price at which Securities of that series are to be redeemed, and shall state that payment of the redemption price of such Securities to be redeemed will be made at the office or agency of the Company in the Borough of Manhattan, the City and State of New York, upon presentation and surrender of such Securities, that interest accrued to the date fixed for redemption will be paid as specified in said notice, that from and after said date interest will cease to accrue and that the redemption is for a sinking fund, if such is the case. If less than all the Securities of a series are to be redeemed, the notice to the holders of Securities of that series to be redeemed in part shall specify the particular Securities to be so redeemed.

In case any Security is to be redeemed in part only, the notice that relates to such Security shall state the portion of the principal amount thereof to be redeemed, and shall state that on and after the redemption date, upon surrender of such Security, a new Security or Securities of such series in principal amount equal to the unredeemed portion thereof will be issued.

(b) If less than all the Securities of a series are to be redeemed, the Company shall give the Trustee at least 45 days' notice (unless a shorter notice shall be satisfactory to the Trustee) in advance of the date fixed for redemption as to the aggregate principal amount of Securities of the series to be redeemed, and thereupon the Trustee shall select, by lot or in such other manner as it shall deem appropriate and fair in its discretion and that may provide for the selection of a portion or portions (equal to one thousand U.S. dollars (\$1,000) or any integral multiple thereof) of the principal amount of such Securities of a denomination larger than \$1,000, the Securities to be redeemed and shall thereafter promptly notify the Company in writing of the numbers of the Securities to be redeemed, in whole or in part. The Company may, if and whenever it shall so elect, by delivery of instructions signed on its behalf by an Officer, instruct the Trustee or any paying agent to call all or any part of the Securities of a particular series for redemption and to give notice of redemption in the manner set forth in this Section, such notice to be in the name of the Company or its own name as the Trustee or such paying agent may deem advisable. In any case in which notice of redemption is to be given by the Trustee or any such paying agent, the Company shall deliver or cause to be delivered to, or permit to remain with, the Trustee or such paying agent, as the case may be, such Security Register, transfer books or other records, or suitable copies or extracts therefrom, sufficient to enable the Trustee or such paying agent to give any notice by mail that may be required under the provisions of this Section.

Section 3.03 Payment Upon Redemption.

(a) If the giving of notice of redemption shall have been completed as above provided, the Securities or portions of Securities of the series to be redeemed specified in such notice shall become due and payable on the date and at the place stated in such notice at the applicable redemption price, together with interest accrued to the date fixed for redemption and interest on such Securities or portions of Securities shall cease to accrue on and after the date fixed for redemption, unless the Company shall default in the payment of such redemption price and accrued interest with respect to any such Security or portion thereof. On presentation and surrender of such Securities on or after the date fixed for redemption at the place of payment specified in the notice, said Securities shall be paid and redeemed at the applicable redemption price for such series, together with interest accrued thereon to the date fixed for redemption (but if the date fixed for redemption is an interest payment date, the interest installment payable on such date shall be payable to the registered holder at the close of business on the applicable record date pursuant to Section 2.03).

(b) Upon presentation of any Security of such series that is to be redeemed in part only, the Company shall execute and the Trustee shall authenticate and the office or agency where the Security is presented shall deliver to the holder thereof, at the expense of the Company, a new Security of the same series of authorized denominations in principal amount equal to the unredeemed portion of the Security so presented.

Section 3.04 Sinking Fund.

The provisions of Sections 3.04, 3.05 and 3.06 shall be applicable to any sinking fund for the retirement of Securities of a series, except as otherwise specified as contemplated by Section 2.01 for Securities of such series.

The minimum amount of any sinking fund payment provided for by the terms of Securities of any series is herein referred to as a "mandatory sinking fund payment," and any payment in excess of such minimum amount provided for by the terms of Securities of any series is herein referred to as an "optional sinking fund payment". If provided for by the terms of Securities of any series, the cash amount of any sinking fund payment may be subject to reduction as provided in Section 3.05. Each sinking fund payment shall be applied to the redemption of Securities of any series as provided for by the terms of Securities of such series.

Section 3.05 Satisfaction of Sinking Fund Payments with Securities.

The Company (i) may deliver Outstanding Securities of a series and (ii) may apply as a credit Securities of a series that have been redeemed either at the election of the Company pursuant to the terms of such Securities or through the application of permitted optional sinking fund payments pursuant to the terms of such Securities, in each case in satisfaction of all or any part of any sinking fund payment with respect to the Securities of such series required to be made pursuant to the terms of such Securities as provided for by the terms of such series, provided that such Securities have not been previously so credited. Such Securities shall be received and credited for such purpose by the Trustee at the redemption price specified in such Securities for redemption through operation of the sinking fund and the amount of such sinking fund payment shall be reduced accordingly.

Section 3.06 Redemption of Securities for Sinking Fund.

Not less than 45 days prior to each sinking fund payment date for any series of Securities (unless a shorter period shall be satisfactory to the Trustee), the Company will deliver to the Trustee an Officers' Certificate specifying the amount of the next ensuing sinking fund payment for that series pursuant to the terms of the series, the portion thereof, if any, that is to be satisfied by delivering and crediting Securities of that series pursuant to Section 3.05 and the basis for such credit and will, together with such Officers' Certificate, deliver to the Trustee any Securities to be so delivered. Not less than 30 days before each such sinking fund payment date the Trustee shall select the Securities to be redeemed upon such sinking fund payment date in the manner specified in Section 3.02 and cause notice of the redemption thereof to be given in the name of and at the expense of the Company in the manner provided in Section 3.02. Such notice having been duly given, the redemption of such Securities shall be made upon the terms and in the manner stated in Section 3.03.

ARTICLE 4**COVENANTS****Section 4.01 Payment of Principal, Premium and Interest.**

The Company will duly and punctually pay or cause to be paid the principal of (and premium, if any) and interest on the Securities of that series at the time and place and in the manner provided herein and established with respect to such Securities.

Section 4.02 Maintenance of Office or Agency.

So long as any series of the Securities remain Outstanding, the Company agrees to maintain an office or agency in the Borough of Manhattan, the City and State of New York, with respect to each such series and at such other location or locations as may be designated as provided in this Section 4.02, where (i) Securities of that series may be presented for payment, (ii) Securities of that series may be presented as herein above authorized for registration of transfer and exchange, and (iii) notices and demands to or upon the Company in respect of the Securities of that series and this Indenture may be given or served, such designation to continue with respect to such office or agency until the Company shall, by written notice signed by any officer authorized to sign an Officers' Certificate and delivered to the Trustee, designate some other office or agency for such purposes or any of them. If at any time the Company shall fail to maintain any such required office or agency or shall fail to furnish the Trustee with the address thereof, such presentations, notices and demands may be made or served at the Corporate Trust Office of the Trustee, and the Company hereby appoints the Trustee as its agent to receive all such presentations, notices and demands. The Company initially appoints the Corporate Trust Office of the Trustee located in the Borough of Manhattan, the City of New York as its paying agent with respect to the Securities.

Section 4.03 Paying Agents.

(a) If the Company shall appoint one or more paying agents for all or any series of the Securities, other than the Trustee, the Company will cause each such paying agent to execute and deliver to the Trustee an instrument in which such agent shall agree with the Trustee, subject to the provisions of this Section:

(1) that it will hold all sums held by it as such agent for the payment of the principal of (and premium, if any) or interest on the Securities of that series (whether such sums have been paid to it by the Company or by any other obligor of such Securities) in trust for the benefit of the Persons entitled thereto;

(2) that it will give the Trustee notice of any failure by the Company (or by any other obligor of such Securities) to make any payment of the principal of (and premium, if any) or interest on the Securities of that series when the same shall be due and payable;

(3) that it will, at any time during the continuance of any failure referred to in the preceding paragraph (a)(2) above, upon the written request of the Trustee, forthwith pay to the Trustee all sums so held in trust by such paying agent; and

(4) that it will perform all other duties of paying agent as set forth in this Indenture.

(b) If the Company shall act as its own paying agent with respect to any series of the Securities, it will on or before each due date of the principal of (and premium, if any) or interest on Securities of that series, set aside, segregate and hold in trust for the benefit of the Persons entitled thereto a sum sufficient to pay such principal (and premium, if any) or interest so becoming due on Securities of that series until such sums shall be paid to such Persons or otherwise disposed of as herein provided and will promptly notify the Trustee of such action, or any failure (by it or any other obligor on such Securities) to take such action. Whenever the Company shall have one or more paying agents for any series of Securities, it will, prior to each due date of the principal of (and premium, if any) or interest on any Securities of that series, deposit with the paying agent a sum sufficient to pay the principal (and premium, if any) or interest so becoming due, such sum to be held in trust for the benefit of the Persons entitled to such principal, premium or interest, and (unless such paying agent is the Trustee) the Company will promptly notify the Trustee of this action or failure so to act.

(c) Notwithstanding anything in this Section to the contrary, (i) the agreement to hold sums in trust as provided in this Section is subject to the provisions of Section 11.05, and (ii) the Company may at any time, for the purpose of obtaining the satisfaction and discharge of this Indenture or for any other purpose, pay, or direct any paying agent to pay, to the Trustee all sums held in trust by the Company or such paying agent, such sums to be held by the Trustee upon the same terms and conditions as those upon which such sums were held by the Company or such paying agent; and, upon such payment by the Company or any paying agent to the Trustee, the Company or such paying agent shall be released from all further liability with respect to such money.

Section 4.04 Appointment to Fill Vacancy in Office of Trustee.

The Company, whenever necessary to avoid or fill a vacancy in the office of Trustee, will appoint, in the manner provided in Section 7.10, a Trustee, so that there shall at all times be a Trustee hereunder.

Section 4.05 Compliance with Consolidation Provisions.

The Company will not, while any of the Securities remain Outstanding, consolidate with or merge into any other Person, in either case where the Company is not the survivor of such transaction, or sell or convey all or substantially all of its property to any other Person unless the provisions of Article Ten hereof are complied with.

ARTICLE 5

**SECURITYHOLDERS' LISTS AND REPORTS BY
THE COMPANY AND THE TRUSTEE**

Section 5.01 Company to Furnish Trustee Names and Addresses of Securityholders.

The Company will furnish or cause to be furnished to the Trustee (a) within 15 days after each regular record date (as defined in Section 2.03) a list, in such form as the Trustee may reasonably require, of the names and addresses of the holders of each series of Securities as of such regular record date, provided that the Company shall not be obligated to furnish or cause to furnish such list at any time that the list shall not differ in any respect from the most recent list furnished to the Trustee by the Company and (b) at such other times as the Trustee may request in writing within 30 days after the receipt by the Company of any such request, a list of similar form and content as of a date not more than 15 days prior to the time such list is furnished; provided, however, that, in either case, no such list need be furnished for any series for which the Trustee shall be the Security Registrar .

Section 5.02 Preservation of Information; Communications with Securityholders.

(a) The Trustee shall preserve, in as current a form as is reasonably practicable, all information as to the names and addresses of the holders of Securities contained in the most recent list furnished to it as provided in Section 5.01 and as to the names and addresses of holders of Securities received by the Trustee in its capacity as Security Registrar (if acting in such capacity).

(b) The Trustee may destroy any list furnished to it as provided in Section 5.01 upon receipt of a new list so furnished.

(c) Securityholders may communicate as provided in Section 312(b) of the Trust Indenture Act with other Securityholders with respect to their rights under this Indenture or under the Securities, and, in connection with any such communications, the Trustee shall satisfy its obligations under Section 312(b) of the Trust Indenture Act in accordance with the provisions of Section 312(b) of the Trust Indenture Act.

Section 5.03 Reports by the Company.

The Company covenants and agrees to provide a copy to the Trustee, after the Company files the same with the Securities and Exchange Commission, copies of the annual reports and of the information, documents and other reports (or copies of such portions of any of the foregoing as the Securities and Exchange Commission may from time to time by rules and regulations prescribe) that the Company files with the Securities and Exchange Commission pursuant to Section 13 or Section 15(d) of the Exchange Act; provided, however, the Company shall not be required to deliver to the Trustee any materials for which the Company has sought and received confidential treatment by the SEC. The Company shall also comply with the requirements of Section 314 of the Trust Indenture Act, but only to the extent then applicable to the Company.

Section 5.04 Reports by the Trustee.

(a) On or before July 1 in each year in which any of the Securities are Outstanding, the Trustee shall transmit by mail, first class postage prepaid, to the Securityholders, as their names and addresses appear upon the Security Register, a brief report dated as of the preceding May 1, if and to the extent required under Section 313(a) of the Trust Indenture Act.

(b) The Trustee shall comply with Section 313(b) and 313(c) of the Trust Indenture Act.

(c) A copy of each such report shall, at the time of such transmission to Securityholders, be filed by the Trustee with the Company, with each securities exchange upon which any Securities are listed (if so listed) and also with the Securities and Exchange Commission. The Company agrees to notify the Trustee when any Securities become listed on any securities exchange.

ARTICLE 6

REMEDIES OF THE TRUSTEE AND SECURITYHOLDERS ON EVENT OF DEFAULT

Section 6.01 Events of Default.

(a) Whenever used herein with respect to Securities of a particular series, "Event of Default" means any one or more of the following events that has occurred and is continuing:

(1) the Company defaults in the payment of any installment of interest upon any of the Securities of that series, as and when the same shall become due and payable, and such default continues for a period of 90 days; provided, however, that a valid extension of an interest payment period by the Company in accordance with the terms of any indenture supplemental hereto shall not constitute a default in the payment of interest for this purpose;

(2) the Company defaults in the payment of the principal of (or premium, if any, on) any of the Securities of that series as and when the same shall become due and payable whether at maturity, upon redemption, by declaration or otherwise, or in any payment required by any sinking or analogous fund established with respect to that series; provided, however, that a valid extension of the maturity of such Securities in accordance with the terms of any indenture supplemental hereto shall not constitute a default in the payment of principal or premium, if any;

(3) the Company fails to observe or perform any other of its covenants or agreements with respect to that series contained in this Indenture or otherwise established with respect to that series of Securities pursuant to Section 2.01 hereof (other than a covenant or agreement that has been expressly included in this Indenture solely for the benefit of one or more series of Securities other than such series) for a period of 90 days after the date on which written notice of such failure, requiring the same to be remedied and stating that such notice is a "Notice of Default" hereunder, shall have been given to the Company by the Trustee, by registered or certified mail, or to the Company and the Trustee by the holders of at least 25% in principal amount of the Securities of that series at the time Outstanding;

(4) the Company pursuant to or within the meaning of any Bankruptcy Law (i) commences a voluntary case, (ii) consents to the entry of an order for relief against it in an involuntary case, (iii) consents to the appointment of a Custodian of it or for all or substantially all of its property or (iv) makes a general assignment for the benefit of its creditors; or

(5) a court of competent jurisdiction enters an order under any Bankruptcy Law that (i) is for relief against the Company in an involuntary case, (ii) appoints a Custodian of the Company for all or substantially all of its property or (iii) orders the liquidation of the Company, and the order or decree remains unstayed and in effect for 90 days.

(b) In each and every such case (other than an Event of Default specified in clause (4) or clause (5) above), unless the principal of all the Securities of that series shall have already become due and payable, either the Trustee or the holders of not less than 25% in aggregate principal amount of the Securities of that series then Outstanding hereunder, by notice in writing to the Company (and to the Trustee if given by such Securityholders), may declare the principal of (and premium, if any, on) and accrued and unpaid interest on all the Securities of that series to be due and payable immediately, and upon any such declaration the same shall become and shall be immediately due and payable. If an Event of Default specified in clause (4) or clause (5) above occurs, the principal of and accrued and unpaid interest on all the Securities of that series shall automatically be immediately due and payable without any declaration or other act on the part of the Trustee or the holders of the Securities.

(c) At any time after the principal of (and premium, if any, on) and accrued and unpaid interest on the Securities of that series shall have been so declared due and payable, and before any judgment or decree for the payment of the moneys due shall have been obtained or entered as hereinafter provided, the holders of a majority in aggregate principal amount of the Securities of that series then Outstanding hereunder, by written notice to the Company and the Trustee, may rescind and annul such declaration and its consequences if: (i) the Company has paid or deposited with the Trustee a sum sufficient to pay all matured installments of interest upon all the Securities of that series and the principal of (and premium, if any, on) any and all Securities of that series that shall have become due otherwise than by acceleration (with interest upon such principal and premium, if any, and, to the extent that such payment is enforceable under applicable law, upon overdue installments of interest, at the rate per annum expressed in the Securities of that series to the date of such payment or deposit) and the amount payable to the Trustee under Section 7.06, and (ii) any and all Events of Default under the Indenture with respect to such series, other than the nonpayment of principal on (and premium, if any, on) and accrued and unpaid interest on Securities of that series that shall not have become due by their terms, shall have been remedied or waived as provided in Section 6.06.

No such rescission and annulment shall extend to or shall affect any subsequent default or impair any right consequent thereon.

(d) In case the Trustee shall have proceeded to enforce any right with respect to Securities of that series under this Indenture and such proceedings shall have been discontinued or abandoned because of such rescission or annulment or for any other reason or shall have been determined adversely to the Trustee, then and in every such case, subject to any determination in such proceedings, the Company and the Trustee shall be restored respectively to their former positions and rights hereunder, and all rights, remedies and powers of the Company and the Trustee shall continue as though no such proceedings had been taken.

Section 6.02 Collection of Indebtedness and Suits for Enforcement by Trustee.

(a) The Company covenants that (i) in case it shall default in the payment of any installment of interest on any of the Securities of a series, or in any payment required by any sinking or analogous fund established with respect to that series as and when the same shall have become due and payable, and such default shall have continued for a period of 90 Business Days, or (ii) in case it shall default in the payment of the principal of (or premium, if any, on) any of the Securities of a series when the same shall have become due and payable, whether upon maturity of the Securities of a series or upon redemption or upon declaration or otherwise then, upon demand of the Trustee, the Company will pay to the Trustee, for the benefit of the holders of the Securities of that series, the whole amount that then shall have been become due and payable on all such Securities for principal (and premium, if any) or interest, or both, as the case may be, with interest upon the overdue principal (and premium, if any) and (to the extent that payment of such interest is enforceable under applicable law) upon overdue installments of interest at the rate per annum expressed in the Securities of that series; and, in addition thereto, such further amount as shall be sufficient to cover the costs and expenses of collection, and the amount payable to the Trustee under Section 7.06.

(b) If the Company shall fail to pay such amounts forthwith upon such demand, the Trustee, in its own name and as trustee of an express trust, shall be entitled and empowered to institute any action or proceedings at law or in equity for the collection of the sums so due and unpaid, and may prosecute any such action or proceeding to judgment or final decree, and may enforce any such judgment or final decree against the Company or other obligor upon the Securities of that series and collect the moneys adjudged or decreed to be payable in the manner provided by law or equity out of the property of the Company or other obligor upon the Securities of that series, wherever situated.

(c) In case of any receivership, insolvency, liquidation, bankruptcy, reorganization, readjustment, arrangement, composition or judicial proceedings affecting the Company, or its creditors or property, the Trustee shall have power to intervene in such proceedings and take any action therein that may be permitted by the court and shall (except as may be otherwise provided by law) be entitled to file such proofs of claim and other papers and documents as may be necessary or advisable in order to have the claims of the Trustee and of the holders of Securities of such series allowed for the entire amount due and payable by the Company under the Indenture at the date of institution of such proceedings and for any additional amount that may become due and payable by the Company after such date, and to collect and receive any moneys or other property payable or deliverable on any such claim, and to distribute the same after the deduction of the amount payable to the Trustee under Section 7.06; and any receiver, assignee or trustee in bankruptcy or reorganization is hereby authorized by each of the holders of Securities of such series to make such payments to the Trustee, and, in the event that the Trustee shall consent to the making of such payments directly to such Securityholders, to pay to the Trustee any amount due it under Section 7.06.

(d) All rights of action and of asserting claims under this Indenture, or under any of the terms established with respect to Securities of that series, may be enforced by the Trustee without the possession of any of such Securities, or the production thereof at any trial or other proceeding relative thereto, and any such suit or proceeding instituted by the Trustee shall be brought in its own name as trustee of an express trust, and any recovery of judgment shall, after provision for payment to the Trustee of any amounts due under Section 7.06, be for the ratable benefit of the holders of the Securities of such series.

In case of an Event of Default hereunder, the Trustee may in its discretion proceed to protect and enforce the rights vested in it by this Indenture by such appropriate judicial proceedings as the Trustee shall deem most effectual to protect and enforce any of such rights, either at law or in equity or in bankruptcy or otherwise, whether for the specific enforcement of any covenant or agreement contained in the Indenture or in aid of the exercise of any power granted in this Indenture, or to enforce any other legal or equitable right vested in the Trustee by this Indenture or by law.

Nothing contained herein shall be deemed to authorize the Trustee to authorize or consent to or accept or adopt on behalf of any Securityholder any plan of reorganization, arrangement, adjustment or composition affecting the Securities of that series or the rights of any holder thereof or to authorize the Trustee to vote in respect of the claim of any Securityholder in any such proceeding.

Section 6.03 Application of Moneys or Property Collected.

Any moneys or property collected by the Trustee pursuant to this Article with respect to a particular series of Securities shall be applied in the following order, at the date or dates fixed by the Trustee and, in case of the distribution of such moneys or property on account of principal (or premium, if any) or interest, upon presentation of the Securities of that series, and notation thereon of the payment, if only partially paid, and upon surrender thereof if fully paid:

FIRST: To the payment of reasonable costs and expenses of collection and of all amounts payable to the Trustee under Section 7.06;

SECOND: To the payment of all indebtedness of the Company to which such series of Securities is subordinated to the extent required by Section 7.06 and Article Fourteen;

THIRD: To the payment of the amounts then due and unpaid upon Securities of such series for principal (and premium, if any) and interest, in respect of which or for the benefit of which such money has been collected, ratably, without preference or priority of any kind, according to the amounts due and payable on such Securities for principal (and premium, if any) and interest, respectively; and

FOURTH: To the payment of the remainder, if any, to the Company or any other Person lawfully entitled thereto, as requested by the Company.

Section 6.04 Limitation on Suits.

No holder of any Security of any series shall have any right by virtue or by availing of any provision of this Indenture to institute any suit, action or proceeding in equity or at law upon or under or with respect to this Indenture or for the appointment of a receiver or trustee, or for any other remedy hereunder, unless (i) such holder previously shall have given to the Trustee written notice of an Event of Default and of the continuance thereof with respect to the Securities of such series specifying such Event of Default, as hereinbefore provided; (ii) the holders of not less than 25% in aggregate principal amount of the Securities of such series then Outstanding shall have made written request upon the Trustee to institute such action, suit or proceeding in its own name as Trustee hereunder; (iii) such holder or holders shall have offered to the Trustee such reasonable indemnity as it may require against the costs, expenses and liabilities to be incurred therein or thereby; (iv) the Trustee for 90 days after its receipt of such notice, request and offer of indemnity, shall have failed to institute any such action, suit or proceeding and (v) during such 90 day period, the holders of a majority in principal amount of the Securities of that series do not give the Trustee a direction inconsistent with the request.

Notwithstanding anything contained herein to the contrary or any other provisions of this Indenture, the right of any holder of any Security to receive payment of the principal of (and premium, if any) and interest on such Security, as therein provided, on or after the respective due dates expressed in such Security (or in the case of redemption, on the redemption date), or to institute suit for the enforcement of any such payment on or after such respective dates or redemption date, shall not be impaired or affected without the consent of such holder and by accepting a Security hereunder it is expressly understood, intended and covenanted by the taker and holder of every Security of such series with every other such taker and holder and the Trustee, that no one or more holders of Securities of such series shall have any right in any manner whatsoever by virtue or by availing of any provision of this Indenture to affect, disturb or prejudice the rights of the holders of any other of such Securities, or to obtain or seek to obtain priority over or preference to any other such holder, or to enforce any right under this Indenture, except in the manner herein provided and for the equal, ratable and common benefit of all holders of Securities of such series. For the protection and enforcement of the provisions of this Section, each and every Securityholder and the Trustee shall be entitled to such relief as can be given either at law or in equity.

Section 6.05 Rights and Remedies Cumulative; Delay or Omission Not Waiver.

(a) Except as otherwise provided in Section 2.07, all powers and remedies given by this Article to the Trustee or to the Securityholders shall, to the extent permitted by law, be deemed cumulative and not exclusive of any other powers and remedies available to the Trustee or the holders of the Securities, by judicial proceedings or otherwise, to enforce the performance or observance of the covenants and agreements contained in this Indenture or otherwise established with respect to such Securities.

(b) No delay or omission of the Trustee or of any holder of any of the Securities to exercise any right or power accruing upon any Event of Default occurring and continuing as aforesaid shall impair any such right or power, or shall be construed to be a waiver of any such default or an acquiescence therein; and, subject to the provisions of Section 6.04, every power and remedy given by this Article or by law to the Trustee or the Securityholders may be exercised from time to time, and as often as shall be deemed expedient, by the Trustee or by the Securityholders.

Section 6.06 Control by Securityholders.

The holders of a majority in aggregate principal amount of the Securities of any series at the time Outstanding, determined in accordance with Section 8.04, shall have the right to direct the time, method and place of conducting any proceeding for any remedy available to the Trustee, or exercising any trust or power conferred on the Trustee with respect to such series; provided, however, that such direction shall not be in conflict with any rule of law or with this Indenture. Subject to the provisions of Section 7.01, the Trustee shall have the right to decline to follow any such direction if the Trustee in good faith shall, by a Responsible Officer or officers of the Trustee, determine that the proceeding so directed, subject to the Trustee's duties under the Trust Indenture Act, would involve the Trustee in personal liability or might be unduly prejudicial to the Securityholders not involved in the proceeding. The holders of a majority in aggregate principal amount of the Securities of any series at the time Outstanding affected thereby, determined in accordance with Section 8.04, may on behalf of the holders of all of the Securities of such series waive any past default in the performance of any of the covenants contained herein or established pursuant to Section 2.01 with respect to such series and its consequences, except a default in the payment of the principal of, or premium, if any, or interest on, any of the Securities of that series as and when the same shall become due by the terms of such Securities otherwise than by acceleration (unless such default has been cured and a sum sufficient to pay all matured installments of interest and principal and any premium has been deposited with the Trustee (in accordance with Section 6.01(c)). Upon any such waiver, the default covered thereby shall be deemed to be cured for all purposes of this Indenture and the Company, the Trustee and the holders of the Securities of such series shall be restored to their former positions and rights hereunder, respectively; but no such waiver shall extend to any subsequent or other default or impair any right consequent thereon.

Section 6.07 Undertaking to Pay Costs.

All parties to this Indenture agree, and each holder of any Securities by such holder's acceptance thereof shall be deemed to have agreed, that any court may in its discretion require, in any suit for the enforcement of any right or remedy under this Indenture, or in any suit against the Trustee for any action taken or omitted by it as Trustee, the filing by any party litigant in such suit of an undertaking to pay the costs of such suit, and that such court may in its discretion assess reasonable costs, including reasonable attorneys' fees, against any party litigant in such suit, having due regard to the merits and good faith of the claims or defenses made by such party litigant; but the provisions of this Section shall not apply to any suit instituted by the Trustee, to any suit instituted by any Securityholder, or group of Securityholders, holding more than 10% in aggregate principal amount of the Outstanding Securities of any series, or to any suit instituted by any Securityholder for the enforcement of the payment of the principal of (or premium, if any) or interest on any Security of such series, on or after the respective due dates expressed in such Security or established pursuant to this Indenture.

ARTICLE 7

CONCERNING THE TRUSTEE

Section 7.01 Certain Duties and Responsibilities of Trustee.

(a) The Trustee, prior to the occurrence of an Event of Default with respect to the Securities of a series and after the curing of all Events of Default with respect to the Securities of that series that may have occurred, shall undertake to perform with respect to the Securities of such series such duties and only such duties as are specifically set forth in this Indenture, and no implied covenants shall be read into this Indenture against the Trustee. In case an Event of Default with respect to the Securities of a series has occurred (that has not been cured or waived), the Trustee shall exercise with respect to Securities of that series such of the rights and powers vested in it by this Indenture, and use the same degree of care and skill in their exercise, as a prudent man would exercise or use under the circumstances in the conduct of his own affairs.

(b) No provision of this Indenture shall be construed to relieve the Trustee from liability for its own negligent action, its own negligent failure to act, or its own willful misconduct, except that:

(i) prior to the occurrence of an Event of Default with respect to the Securities of a series and after the curing or waiving of all such Events of Default with respect to that series that may have occurred:

(A) the duties and obligations of the Trustee shall with respect to the Securities of such series be determined solely by the express provisions of this Indenture, and the Trustee shall not be liable with respect to the Securities of such series except for the performance of such duties and obligations as are specifically set forth in this Indenture, and no implied covenants or obligations shall be read into this Indenture against the Trustee; and

(B) in the absence of bad faith on the part of the Trustee, the Trustee may with respect to the Securities of such series conclusively rely, as to the truth of the statements and the correctness of the opinions expressed therein, upon any certificates or opinions furnished to the Trustee and conforming to the requirements of this Indenture; but in the case of any such certificates or opinions that by any provision hereof are specifically required to be furnished to the Trustee, the Trustee shall be under a duty to examine the same to determine whether or not they conform to the requirement of this Indenture;

(ii) the Trustee shall not be liable for any error of judgment made in good faith by a Responsible Officer or Responsible Officers of the Trustee, unless it shall be proved that the Trustee was negligent in ascertaining the pertinent facts;

(iii) the Trustee shall not be liable with respect to any action taken or omitted to be taken by it in good faith in accordance with the direction of the holders of not less than a majority in principal amount of the Securities of any series at the time Outstanding relating to the time, method and place of conducting any proceeding for any remedy available to the Trustee, or exercising any trust or power conferred upon the Trustee under this Indenture with respect to the Securities of that series; and

(iv) None of the provisions contained in this Indenture shall require the Trustee to expend or risk its own funds or otherwise incur personal financial liability in the performance of any of its duties or in the exercise of any of its rights or powers if there is reasonable ground for believing that the repayment of such funds or liability is not reasonably assured to it under the terms of this Indenture or adequate indemnity against such risk is not reasonably assured to it.

Section 7.02 Certain Rights of Trustee.

Except as otherwise provided in Section 7.01:

(a) The Trustee may rely conclusively and shall be protected in acting or refraining from acting upon any resolution, certificate, statement, instrument, opinion, report, notice, request, consent, order, approval, bond, security or other paper or document believed by it to be genuine and to have been signed or presented by the proper party or parties;

(b) Any request, direction, order or demand of the Company mentioned herein shall be sufficiently evidenced by a Board Resolution or an instrument signed in the name of the Company by any authorized officer of the Company (unless other evidence in respect thereof is specifically prescribed herein);

(c) The Trustee may consult with counsel and the written advice of such counsel or any Opinion of Counsel shall be full and complete authorization and protection in respect of any action taken or suffered or omitted hereunder in good faith and in reliance thereon;

(d) The Trustee shall be under no obligation to exercise any of the rights or powers vested in it by this Indenture at the request, order or direction of any of the Securityholders pursuant to the provisions of this Indenture, unless such Securityholders shall have offered to the Trustee reasonable security or indemnity against the costs, expenses and liabilities that may be incurred therein or thereby; nothing contained herein shall, however, relieve the Trustee of the obligation, upon the occurrence of an Event of Default with respect to a series of the Securities (that has not been cured or waived), to exercise with respect to Securities of that series such of the rights and powers vested in it by this Indenture, and to use the same degree of care and skill in their exercise, as a prudent man would exercise or use under the circumstances in the conduct of his own affairs;

(e) The Trustee shall not be liable for any action taken or omitted to be taken by it in good faith and believed by it to be authorized or within the discretion or rights or powers conferred upon it by this Indenture;

(f) The Trustee shall not be bound to make any investigation into the facts or matters stated in any resolution, certificate, statement, instrument, opinion, report, notice, request, consent, order, approval, bond, security, or other papers or documents, unless requested in writing so to do by the holders of not less than a majority in principal amount of the Outstanding Securities of the particular series affected thereby (determined as provided in Section 8.04); provided, however, that if the payment within a reasonable time to the Trustee of the costs, expenses or liabilities likely to be incurred by it in the making of such investigation is, in the opinion of the Trustee, not reasonably assured to the Trustee by the security afforded to it by the terms of this Indenture, the Trustee may require reasonable indemnity against such costs, expenses or liabilities as a condition to so proceeding. The reasonable expense of every such examination shall be paid by the Company or, if paid by the Trustee, shall be repaid by the Company upon demand; and

(g) The Trustee may execute any of the trusts or powers hereunder or perform any duties hereunder either directly or by or through agents or attorneys and the Trustee shall not be responsible for any misconduct or negligence on the part of any agent or attorney appointed with due care by it hereunder.

In addition, the Trustee shall not be deemed to have knowledge of any Default or Event of Default except (1) any Event of Default occurring pursuant to Sections 6.01(a)(1), 6.01(a)(2) and 4.01 hereof or (2) any Default or Event of Default of which the Trustee shall have received written notification in the manner set forth in this Indenture or a Responsible Officer of the Trustee shall have obtained actual knowledge. Delivery of reports, information and documents to the Trustee under Section 5.03 is for informational purposes only and the information and the Trustee's receipt of the foregoing shall not constitute constructive notice of any information contained therein, or determinable from information contained therein including the Company's compliance with any of their covenants thereunder (as to which the Trustee is entitled to rely conclusively on an Officers' Certificate).

Section 7.03 Trustee Not Responsible for Recitals or Issuance or Securities.

(a) The recitals contained herein and in the Securities shall be taken as the statements of the Company, and the Trustee assumes no responsibility for the correctness of the same.

(b) The Trustee makes no representations as to the validity or sufficiency of this Indenture or of the Securities.

(c) The Trustee shall not be accountable for the use or application by the Company of any of the Securities or of the proceeds of such Securities, or for the use or application of any moneys paid over by the Trustee in accordance with any provision of this Indenture or established pursuant to Section 2.01, or for the use or application of any moneys received by any paying agent other than the Trustee.

Section 7.04 May Hold Securities.

The Trustee or any paying agent or Security Registrar, in its individual or any other capacity, may become the owner or pledgee of Securities with the same rights it would have if it were not Trustee, paying agent or Security Registrar.

Section 7.05 Moneys Held in Trust.

Subject to the provisions of Section 11.05, all moneys received by the Trustee shall, until used or applied as herein provided, be held in trust for the purposes for which they were received, but need not be segregated from other funds except to the extent required by law. The Trustee shall be under no liability for interest on any moneys received by it hereunder except such as it may agree with the Company to pay thereon.

Section 7.06 Compensation and Reimbursement.

(a) The Company covenants and agrees to pay to the Trustee, and the Trustee shall be entitled to, such reasonable compensation (which shall not be limited by any provision of law in regard to the compensation of a trustee of an express trust) as the Company and the Trustee may from time to time agree in writing, for all services rendered by it in the execution of the trusts hereby created and in the exercise and performance of any of the powers and duties hereunder of the Trustee, and, except as otherwise expressly provided herein, the Company will pay or reimburse the Trustee upon its request for all reasonable expenses, disbursements and advances incurred or made by the Trustee in accordance with any of the provisions of this Indenture (including the reasonable compensation and the expenses and disbursements of its counsel and of all Persons not regularly in its employ), except any such expense, disbursement or advance as may arise from its negligence or bad faith and except as the Company and Trustee may from time to time agree in writing. The Company also covenants to indemnify the Trustee (and its officers, agents, directors and employees) for, and to hold it harmless against, any loss, liability or expense incurred without negligence or bad faith on the part of the Trustee and arising out of or in connection with the acceptance or administration of this trust, including the reasonable costs and expenses of defending itself against any claim of liability in the premises.

(b) The obligations of the Company under this Section to compensate and indemnify the Trustee and to pay or reimburse the Trustee for reasonable expenses, disbursements and advances shall constitute indebtedness of the Company to which the Securities are subordinated. Such additional indebtedness shall be secured by a lien prior to that of the Securities upon all property and funds held or collected by the Trustee as such, except funds held in trust for the benefit of the holders of particular Securities.

Section 7.07 Reliance on Officers' Certificate.

Except as otherwise provided in Section 7.01, whenever in the administration of the provisions of this Indenture the Trustee shall deem it reasonably necessary or desirable that a matter be proved or established prior to taking or suffering or omitting to take any action hereunder, such matter (unless other evidence in respect thereof be herein specifically prescribed) may, in the absence of negligence or bad faith on the part of the Trustee, be deemed to be conclusively proved and established by an Officers' Certificate delivered to the Trustee and such certificate, in the absence of negligence or bad faith on the part of the Trustee, shall be full warrant to the Trustee for any action taken, suffered or omitted to be taken by it under the provisions of this Indenture upon the faith thereof.

Section 7.08 Disqualification; Conflicting Interests.

If the Trustee has or shall acquire any "conflicting interest" within the meaning of Section 310(b) of the Trust Indenture Act, the Trustee and the Company shall in all respects comply with the provisions of Section 310(b) of the Trust Indenture Act.

Section 7.09 Corporate Trustee Required; Eligibility.

There shall at all times be a Trustee with respect to the Securities issued hereunder which shall at all times be a corporation organized and doing business under the laws of the United States of America or any state or territory thereof or of the District of Columbia, or a corporation or other Person permitted to act as trustee by the Securities and Exchange Commission, authorized under such laws to exercise corporate trust powers, having a combined capital and surplus of at least fifty million U.S. dollars (\$50,000,000), and subject to supervision or examination by federal, state, territorial, or District of Columbia authority.

If such corporation or other Person publishes reports of condition at least annually, pursuant to law or to the requirements of the aforesaid supervising or examining authority, then for the purposes of this Section, the combined capital and surplus of such corporation or other Person shall be deemed to be its combined capital and surplus as set forth in its most recent report of condition so published. The Company may not, nor may any Person directly or indirectly controlling, controlled by, or under common control with the Company, serve as Trustee. In case at any time the Trustee shall cease to be eligible in accordance with the provisions of this Section, the Trustee shall resign immediately in the manner and with the effect specified in Section 7.10.

Section 7.10 Resignation and Removal; Appointment of Successor.

(a) The Trustee or any successor hereafter appointed may at any time resign with respect to the Securities of one or more series by giving written notice thereof to the Company and by transmitting notice of resignation by mail, first class postage prepaid, to the Securityholders of such series, as their names and addresses appear upon the Security Register. Upon receiving such notice of resignation, the Company shall promptly appoint a successor trustee with respect to Securities of such series by written instrument, in duplicate, executed by order of the Board of Directors, one copy of which instrument shall be delivered to the resigning Trustee and one copy to the successor trustee. If no successor trustee shall have been so appointed and have accepted appointment within 30 days after the mailing of such notice of resignation, the resigning Trustee may petition any court of competent jurisdiction for the appointment of a successor trustee with respect to Securities of such series, or any Securityholder of that series who has been a bona fide holder of a Security or Securities for at least six months may on behalf of himself and all others similarly situated, petition any such court for the appointment of a successor trustee. Such court may thereupon after such notice, if any, as it may deem proper and prescribe, appoint a successor trustee.

(b) In case at any time any one of the following shall occur:

(i) the Trustee shall fail to comply with the provisions of Section 7.08 after written request therefor by the Company or by any Securityholder who has been a bona fide holder of a Security or Securities for at least six months; or

(ii) the Trustee shall cease to be eligible in accordance with the provisions of Section 7.09 and shall fail to resign after written request therefor by the Company or by any such Securityholder; or

(iii) the Trustee shall become incapable of acting, or shall be adjudged a bankrupt or insolvent, or commence a voluntary bankruptcy proceeding, or a receiver of the Trustee or of its property shall be appointed or consented to, or any public officer shall take charge or control of the Trustee or of its property or affairs for the purpose of rehabilitation, conservation or liquidation;

then, in any such case, the Company may remove the Trustee with respect to all Securities and appoint a successor trustee by written instrument, in duplicate, executed by order of the Board of Directors, one copy of which instrument shall be delivered to the Trustee so removed and one copy to the successor trustee, or any Securityholder who has been a bona fide holder of a Security or Securities for at least six months may, on behalf of that holder and all others similarly situated, petition any court of competent jurisdiction for the removal of the Trustee and the appointment of a successor trustee. Such court may thereupon after such notice, if any, as it may deem proper and prescribe, remove the Trustee and appoint a successor trustee.

(c) The holders of a majority in aggregate principal amount of the Securities of any series at the time Outstanding may at any time remove the Trustee with respect to such series by so notifying the Trustee and the Company and may appoint a successor Trustee for such series with the consent of the Company.

(d) Any resignation or removal of the Trustee and appointment of a successor trustee with respect to the Securities of a series pursuant to any of the provisions of this Section shall become effective upon acceptance of appointment by the successor trustee as provided in Section 7.11.

(e) Any successor trustee appointed pursuant to this Section may be appointed with respect to the Securities of one or more series or all of such series, and at any time there shall be only one Trustee with respect to the Securities of any particular series.

Section 7.11 Acceptance of Appointment by Successor.

(a) In case of the appointment hereunder of a successor trustee with respect to all Securities, every such successor trustee so appointed shall execute, acknowledge and deliver to the Company and to the retiring Trustee an instrument accepting such appointment, and thereupon the resignation or removal of the retiring Trustee shall become effective and such successor trustee, without any further act, deed or conveyance, shall become vested with all the rights, powers, trusts and duties of the retiring Trustee; but, on the request of the Company or the successor trustee, such retiring Trustee shall, upon payment of its charges, execute and deliver an instrument transferring to such successor trustee all the rights, powers, and trusts of the retiring Trustee and shall duly assign, transfer and deliver to such successor trustee all property and money held by such retiring Trustee hereunder.

(b) In case of the appointment hereunder of a successor trustee with respect to the Securities of one or more (but not all) series, the Company, the retiring Trustee and each successor trustee with respect to the Securities of one or more series shall execute and deliver an indenture supplemental hereto wherein each successor trustee shall accept such appointment and which (i) shall contain such provisions as shall be necessary or desirable to transfer and confirm to, and to vest in, each successor trustee all the rights, powers, trusts and duties of the retiring Trustee with respect to the Securities of that or those series to which the appointment of such successor trustee relates, (ii) shall contain such provisions as shall be deemed necessary or desirable to confirm that all the rights, powers, trusts and duties of the retiring Trustee with respect to the Securities of that or those series as to which the retiring Trustee is not retiring shall continue to be vested in the retiring Trustee, and (iii) shall add to or change any of the provisions of this Indenture as shall be necessary to provide for or facilitate the administration of the trusts hereunder by more than one Trustee, it being understood that nothing herein or in such supplemental indenture shall constitute such Trustees co-trustees of the same trust, that each such Trustee shall be trustee of a trust or trusts hereunder separate and apart from any trust or trusts hereunder administered by any other such Trustee and that no Trustee shall be responsible for any act or failure to act on the part of any other Trustee hereunder; and upon the execution and delivery of such supplemental indenture the resignation or removal of the retiring Trustee shall become effective to the extent provided therein, such retiring Trustee shall with respect to the Securities of that or those series to which the appointment of such successor trustee relates have no further responsibility for the exercise of rights and powers or for the performance of the duties and obligations vested in the Trustee under this Indenture, and each such successor trustee, without any further act, deed or conveyance, shall become vested with all the rights, powers, trusts and duties of the retiring Trustee with respect to the Securities of that or those series to which the appointment of such successor trustee relates; but, on request of the Company or any successor trustee, such retiring Trustee shall duly assign, transfer and deliver to such successor trustee, to the extent contemplated by such supplemental indenture, the property and money held by such retiring Trustee hereunder with respect to the Securities of that or those series to which the appointment of such successor trustee relates.

(c) Upon request of any such successor trustee, the Company shall execute any and all instruments for more fully and certainly vesting in and confirming to such successor trustee all such rights, powers and trusts referred to in paragraph (a) or (b) of this Section, as the case may be.

(d) No successor trustee shall accept its appointment unless at the time of such acceptance such successor trustee shall be qualified and eligible under this Article.

(e) Upon acceptance of appointment by a successor trustee as provided in this Section, the Company shall transmit notice of the succession of such trustee hereunder by mail, first class postage prepaid, to the Securityholders, as their names and addresses appear upon the Security Register. If the Company fails to transmit such notice within ten days after acceptance of appointment by the successor trustee, the successor trustee shall cause such notice to be transmitted at the expense of the Company.

Section 7.12 Merger, Conversion, Consolidation or Succession to Business.

Any corporation into which the Trustee may be merged or converted or with which it may be consolidated, or any corporation resulting from any merger, conversion or consolidation to which the Trustee shall be a party, or any corporation succeeding to the corporate trust business of the Trustee, shall be the successor of the Trustee hereunder, provided that such corporation shall be qualified under the provisions of Section 7.08 and eligible under the provisions of Section 7.09, without the execution or filing of any paper or any further act on the part of any of the parties hereto, anything herein to the contrary notwithstanding. In case any Securities shall have been authenticated, but not delivered, by the Trustee then in office, any successor by merger, conversion or consolidation to such authenticating Trustee may adopt such authentication and deliver the Securities so authenticated with the same effect as if such successor Trustee had itself authenticated such Securities.

Section 7.13 Preferential Collection of Claims Against the Company.

The Trustee shall comply with Section 311(a) of the Trust Indenture Act, excluding any creditor relationship described in Section 311(b) of the Trust Indenture Act. A Trustee who has resigned or been removed shall be subject to Section 311(a) of the Trust Indenture Act to the extent included therein.

Section 7.14 Notice of Default

If any Default or any Event of Default occurs and is continuing and if such Default or Event of Default is known to a Responsible Officer of the Trustee, the Trustee shall mail to each Securityholder in the manner and to the extent provided in Section 313(c) of the Trust Indenture Act notice of the Default or Event of Default within 45 days after it occurs and becomes known to the Trustee, unless such Default or Event of Default has been cured; *provided, however*, that, except in the case of a default in the payment of the principal of (or premium, if any) or interest on any Security, the Trustee shall be protected in withholding such notice if and so long as the board of directors, the executive committee or a trust committee of directors and/or Responsible Officers of the Trustee in good faith determine that the withholding of such notice is in the interest of the Securityholders.

ARTICLE 8

CONCERNING THE SECURITYHOLDERS

Section 8.01 Evidence of Action by Securityholders.

Whenever in this Indenture it is provided that the holders of a majority or specified percentage in aggregate principal amount of the Securities of a particular series may take any action (including the making of any demand or request, the giving of any notice, consent or waiver or the taking of any other action), the fact that at the time of taking any such action the holders of such majority or specified percentage of that series have joined therein may be evidenced by any instrument or any number of instruments of similar tenor executed by such holders of Securities of that series in person or by agent or proxy appointed in writing.

If the Company shall solicit from the Securityholders of any series any request, demand, authorization, direction, notice, consent, waiver or other action, the Company may, at its option, as evidenced by an Officers' Certificate, fix in advance a record date for such series for the determination of Securityholders entitled to give such request, demand, authorization, direction, notice, consent, waiver or other action, but the Company shall have no obligation to do so. If such a record date is fixed, such request, demand, authorization, direction, notice, consent, waiver or other action may be given before or after the record date, but only the Securityholders of record at the close of business on the record date shall be deemed to be Securityholders for the purposes of determining whether Securityholders of the requisite proportion of Outstanding Securities of that series have authorized or agreed or consented to such request, demand, authorization, direction, notice, consent, waiver or other action, and for that purpose the Outstanding Securities of that series shall be computed as of the record date; provided, however, that no such authorization, agreement or consent by such Securityholders on the record date shall be deemed effective unless it shall become effective pursuant to the provisions of this Indenture not later than six months after the record date.

Section 8.02 Proof of Execution by Securityholders.

Subject to the provisions of Section 7.01, proof of the execution of any instrument by a Securityholder (such proof will not require notarization) or his agent or proxy and proof of the holding by any Person of any of the Securities shall be sufficient if made in the following manner:

- (a) The fact and date of the execution by any such Person of any instrument may be proved in any reasonable manner acceptable to the Trustee.
- (b) The ownership of Securities shall be proved by the Security Register of such Securities or by a certificate of the Security Registrar thereof.

The Trustee may require such additional proof of any matter referred to in this Section as it shall deem necessary.

Section 8.03 Who May be Deemed Owners.

Prior to the due presentment for registration of transfer of any Security, the Company, the Trustee, any paying agent and any Security Registrar may deem and treat the Person in whose name such Security shall be registered upon the books of the Company as the absolute owner of such Security (whether or not such Security shall be overdue and notwithstanding any notice of ownership or writing thereon made by anyone other than the Security Registrar) for the purpose of receiving payment of or on account of the principal of, premium, if any, and (subject to Section 2.03) interest on such Security and for all other purposes; and neither the Company nor the Trustee nor any paying agent nor any Security Registrar shall be affected by any notice to the contrary.

Section 8.04 Certain Securities Owned by Company Disregarded.

In determining whether the holders of the requisite aggregate principal amount of Securities of a particular series have concurred in any direction, consent or waiver under this Indenture, the Securities of that series that are owned by the Company or any other obligor on the Securities of that series or by any Person directly or indirectly controlling or controlled by or under common control with the Company or any other obligor on the Securities of that series shall be disregarded and deemed not to be Outstanding for the purpose of any such determination, except that for the purpose of determining whether the Trustee shall be protected in relying on any such direction, consent or waiver, only Securities of such series that the Trustee actually knows are so owned shall be so disregarded. The Securities so owned that have been pledged in good faith may be regarded as Outstanding for the purposes of this Section, if the pledgee shall establish to the satisfaction of the Trustee the pledgee's right so to act with respect to such Securities and that the pledgee is not a Person directly or indirectly controlling or controlled by or under direct or indirect common control with the Company or any such other obligor. In case of a dispute as to such right, any decision by the Trustee taken upon the advice of counsel shall be full protection to the Trustee.

Section 8.05 Actions Binding on Future Securityholders.

At any time prior to (but not after) the evidencing to the Trustee, as provided in Section 8.01, of the taking of any action by the holders of the majority or percentage in aggregate principal amount of the Securities of a particular series specified in this Indenture in connection with such action, any holder of a Security of that series that is shown by the evidence to be included in the Securities the holders of which have consented to such action may, by filing written notice with the Trustee, and upon proof of holding as provided in Section 8.02, revoke such action so far as concerns such Security. Except as aforesaid any such action taken by the holder of any Security shall be conclusive and binding upon such holder and upon all future holders and owners of such Security, and of any Security issued in exchange therefor, on registration of transfer thereof or in place thereof, irrespective of whether or not any notation in regard thereto is made upon such Security. Any action taken by the holders of the majority or percentage in aggregate principal amount of the Securities of a particular series specified in this Indenture in connection with such action shall be conclusively binding upon the Company, the Trustee and the holders of all the Securities of that series.

ARTICLE 9

SUPPLEMENTAL INDENTURES

Section 9.01 Supplemental Indentures Without the Consent of Securityholders.

In addition to any supplemental indenture otherwise authorized by this Indenture, the Company and the Trustee may from time to time and at any time enter into an indenture or indentures supplemental hereto (which shall conform to the provisions of the Trust Indenture Act as then in effect), without the consent of the Securityholders, for one or more of the following purposes:

- (a) to cure any ambiguity, defect, or inconsistency herein or in the Securities of any series;
- (b) to comply with Article Ten;

(c) to provide for uncertificated Securities in addition to or in place of certificated Securities and to make all appropriate changes for such purpose;

(d) to add to the covenants, restrictions, conditions or provisions relating to the Company for the benefit of the holders of all or any series of Securities (and if such covenants, restrictions, conditions or provisions are to be for the benefit of less than all series of Securities, stating that such covenants, restrictions, conditions or provisions are expressly being included solely for the benefit of such series), to make the occurrence, or the occurrence and the continuance, of a default in any such additional covenants, restrictions, conditions or provisions an Event of Default, or to surrender any right or power herein conferred upon the Company;

(e) to add to, delete from, or revise the conditions, limitations, and restrictions on the authorized amount, terms, or purposes of issue, authentication, and delivery of Securities, as herein set forth;

(f) to make any change that does not adversely affect the rights of any Securityholder in any material respect;

(g) to provide for the issuance of and establish the form and terms and conditions of the Securities of any series as provided in Section 2.01, to establish the form of any certifications required to be furnished pursuant to the terms of this Indenture or any series of Securities, or to add to the rights of the holders of any series of Securities;

(h) to evidence and provide for the acceptance of appointment hereunder by a successor trustee; or

(i) to comply with any requirements of the Securities and Exchange Commission or any successor in connection with the qualification of this Indenture under the Trust Indenture Act.

The Trustee is hereby authorized to join with the Company in the execution of any such supplemental indenture, and to make any further appropriate agreements and stipulations that may be therein contained, but the Trustee shall not be obligated to enter into any such supplemental indenture that affects the Trustee's own rights, duties or immunities under this Indenture or otherwise.

Any supplemental indenture authorized by the provisions of this Section may be executed by the Company and the Trustee without the consent of the holders of any of the Securities at the time Outstanding, notwithstanding any of the provisions of Section 9.02.

Section 9.02 Supplemental Indentures with Consent of Securityholders.

With the consent (evidenced as provided in Section 8.01) of the holders of not less than a majority in aggregate principal amount of the Securities of each series affected by such supplemental indenture or indentures at the time Outstanding, the Company, when authorized by a Board Resolution, and the Trustee may from time to time and at any time enter into an indenture or indentures supplemental hereto (which shall conform to the provisions of the Trust Indenture Act as then in effect) for the purpose of adding any provisions to or changing in any manner or eliminating any of the provisions of this Indenture or of any supplemental indenture or of modifying in any manner not covered by Section 9.01 the rights of the holders of the Securities of such series under this Indenture; provided, however, that no such supplemental indenture shall, without the consent of the holders of each Security then Outstanding and affected thereby, (a) extend the fixed maturity of any Securities of any series, or reduce the principal amount thereof, or reduce the rate or extend the time of payment of interest thereon, or reduce any premium payable upon the redemption thereof or (b) reduce the aforesaid percentage of Securities, the holders of which are required to consent to any such supplemental indenture.

It shall not be necessary for the consent of the Securityholders of any series affected thereby under this Section to approve the particular form of any proposed supplemental indenture, but it shall be sufficient if such consent shall approve the substance thereof.

Section 9.03 Effect of Supplemental Indentures.

Upon the execution of any supplemental indenture pursuant to the provisions of this Article or of Section 10.01, this Indenture shall, with respect to such series, be and be deemed to be modified and amended in accordance therewith and the respective rights, limitations of rights, obligations, duties and immunities under this Indenture of the Trustee, the Company and the holders of Securities of the series affected thereby shall thereafter be determined, exercised and enforced hereunder subject in all respects to such modifications and amendments, and all the terms and conditions of any such supplemental indenture shall be and be deemed to be part of the terms and conditions of this Indenture for any and all purposes.

Section 9.04 Securities Affected by Supplemental Indentures.

Securities of any series affected by a supplemental indenture, authenticated and delivered after the execution of such supplemental indenture pursuant to the provisions of this Article or of Section 10.01, may bear a notation in form approved by the Company, provided such form meets the requirements of any securities exchange upon which such series may be listed, as to any matter provided for in such supplemental indenture. If the Company shall so determine, new Securities of that series so modified as to conform, in the opinion of the Board of Directors, to any modification of this Indenture contained in any such supplemental indenture may be prepared by the Company, authenticated by the Trustee and delivered in exchange for the Securities of that series then Outstanding.

Section 9.05 Execution of Supplemental Indentures.

Upon the request of the Company, accompanied by its Board Resolutions authorizing the execution of any such supplemental indenture, and upon the filing with the Trustee of evidence of the consent of Securityholders required to consent thereto as aforesaid, the Trustee shall join with the Company in the execution of such supplemental indenture unless such supplemental indenture affects the Trustee's own rights, duties or immunities under this Indenture or otherwise, in which case the Trustee may in its discretion but shall not be obligated to enter into such supplemental indenture. The Trustee, subject to the provisions of Section 7.01, will be entitled to receive and will be fully protected in relying upon an Officers' Certificate and an Opinion of Counsel stating that any supplemental indenture executed pursuant to this Article is authorized or permitted by, and conforms to, the terms of this Article and that it is proper for the Trustee under the provisions of this Article to join in the execution thereof; provided, however, that such Officers' Certificate or Opinion of Counsel need not be provided in connection with the execution of a supplemental indenture that establishes the terms of a series of Securities pursuant to Section 2.01 hereof.

Promptly after the execution by the Company and the Trustee of any supplemental indenture pursuant to the provisions of this Section, the Trustee shall transmit by mail, first class postage prepaid, a notice, setting forth in general terms the substance of such supplemental indenture, to the Securityholders of all series affected thereby as their names and addresses appear upon the Security Register. Any failure of the Trustee to mail such notice, or any defect therein, shall not, however, in any way impair or affect the validity of any such supplemental indenture.

ARTICLE 10

SUCCESSOR ENTITY

Section 10.01 Company May Consolidate, Etc.

Except as provided pursuant to Section 2.01 pursuant to a Board Resolution, and set forth in an Officers' Certificate, or established in one or more indentures supplemental to this Indenture, nothing contained in this Indenture shall prevent any consolidation or merger of the Company with or into any other Person (whether or not affiliated with the Company) or successive consolidations or mergers in which the Company or its successor or successors shall be a party or parties, or shall prevent any sale, conveyance, transfer or other disposition of the property of the Company or its successor or successors as an entirety, or substantially as an entirety, to any other corporation (whether or not affiliated with the Company or its successor or successors) authorized to acquire and operate the same; provided, however, the Company hereby covenants and agrees that, upon any such consolidation or merger (in each case, if the Company is not the survivor of such transaction), sale, conveyance, transfer or other disposition, the due and punctual payment of the principal of (premium, if any) and interest on all of the Securities of all series in accordance with the terms of each series, according to their tenor, and the due and punctual performance and observance of all the covenants and conditions of this Indenture with respect to each series or established with respect to such series pursuant to Section 2.01 to be kept or performed by the Company shall be expressly assumed, by supplemental indenture (which shall conform to the provisions of the Trust Indenture Act, as then in effect) reasonably satisfactory in form to the Trustee executed and delivered to the Trustee by the entity formed by such consolidation, or into which the Company shall have been merged, or by the entity which shall have acquired such property.

Section 10.02 Successor Entity Substituted.

(a) In case of any such consolidation, merger, sale, conveyance, transfer or other disposition and upon the assumption by the successor entity by supplemental indenture, executed and delivered to the Trustee and satisfactory in form to the Trustee, of the obligations set forth under Section 10.01 on all of the Securities of all series Outstanding, such successor entity shall succeed to and be substituted for the Company with the same effect as if it had been named as the Company herein, and thereupon the predecessor corporation shall be relieved of all obligations and covenants under this Indenture and the Securities.

(b) In case of any such consolidation, merger, sale, conveyance, transfer or other disposition, such changes in phraseology and form (but not in substance) may be made in the Securities thereafter to be issued as may be appropriate.

(c) Nothing contained in this Article shall require any action by the Company in the case of a consolidation or merger of any Person into the Company where the Company is the survivor of such transaction, or the acquisition by the Company, by purchase or otherwise, of all or any part of the property of any other Person (whether or not affiliated with the Company).

Section 10.03 Evidence of Consolidation, Etc. to Trustee.

The Trustee, subject to the provisions of Section 7.01, may receive an Officers' Certificate or an Opinion of Counsel as conclusive evidence that any such consolidation, merger, sale, conveyance, transfer or other disposition, and any such assumption, comply with the provisions of this Article.

ARTICLE 11

SATISFACTION AND DISCHARGE

Section 11.01 Satisfaction and Discharge of Indenture.

If at any time: (a) the Company shall have delivered to the Trustee for cancellation all Securities of a series theretofore authenticated and not delivered to the Trustee for cancellation (other than any Securities that shall have been destroyed, lost or stolen and that shall have been replaced or paid as provided in Section 2.07 and Securities for whose payment money or Governmental Obligations have theretofore been deposited in trust or segregated and held in trust by the Company and thereupon repaid to the Company or discharged from such trust, as provided in Section 11.05); or (b) all such Securities of a particular series not theretofore delivered to the Trustee for cancellation shall have become due and payable, or are by their terms to become due and payable within one year or are to be called for redemption within one year under arrangements satisfactory to the Trustee for the giving of notice of redemption, and the Company shall deposit or cause to be deposited with the Trustee as trust funds the entire amount in moneys or Governmental Obligations or a combination thereof, sufficient in the opinion of a nationally recognized firm of independent public accountants expressed in a written certification thereof delivered to the Trustee, to pay at maturity or upon redemption all Securities of that series not theretofore delivered to the Trustee for cancellation, including principal (and premium, if any) and interest due or to become due to such date of maturity or date fixed for redemption, as the case may be, and if the Company shall also pay or cause to be paid all other sums payable hereunder with respect to such series by the Company then this Indenture shall thereupon cease to be of further effect with respect to such series except for the provisions of Sections 2.03, 2.05, 2.07, 4.01, 4.02, 4.03 and 7.10, that shall survive until the date of maturity or redemption date, as the case may be, and Sections 7.06 and 11.05, that shall survive to such date and thereafter, and the Trustee, on demand of the Company and at the cost and expense of the Company shall execute proper instruments acknowledging satisfaction of and discharging this Indenture with respect to such series.

Section 11.02 Discharge of Obligations.

If at any time all such Securities of a particular series not heretofore delivered to the Trustee for cancellation or that have not become due and payable as described in Section 11.01 shall have been paid by the Company by depositing irrevocably with the Trustee as trust funds moneys or an amount of Governmental Obligations sufficient to pay at maturity or upon redemption all such Securities of that series not theretofore delivered to the Trustee for cancellation, including principal (and premium, if any) and interest due or to become due to such date of maturity or date fixed for redemption, as the case may be, and if the Company shall also pay or cause to be paid all other sums payable hereunder by the Company with respect to such series, then after the date such moneys or Governmental Obligations, as the case may be, are deposited with the Trustee the obligations of the Company under this Indenture with respect to such series shall cease to be of further effect except for the provisions of Sections 2.03, 2.05, 2.07, 4.01, 4.02, 4.03, 7.05, 7.10 and 11.05 hereof that shall survive until such Securities shall mature and be paid.

Thereafter, Sections 7.06 and 11.05 shall survive.

Section 11.03 Deposited Moneys to be Held in Trust.

All moneys or Governmental Obligations deposited with the Trustee pursuant to Sections 11.01 or 11.02 shall be held in trust and shall be available for payment as due, either directly or through any paying agent (including the Company acting as its own paying agent), to the holders of the particular series of Securities for the payment or redemption of which such moneys or Governmental Obligations have been deposited with the Trustee.

Section 11.04 Payment of Moneys Held by Paying Agents.

In connection with the satisfaction and discharge of this Indenture all moneys or Governmental Obligations then held by any paying agent under the provisions of this Indenture shall, upon demand of the Company, be paid to the Trustee and thereupon such paying agent shall be released from all further liability with respect to such moneys or Governmental Obligations.

Section 11.05 Repayment to Company.

Any moneys or Governmental Obligations deposited with any paying agent or the Trustee, or then held by the Company, in trust for payment of principal of or premium, if any, or interest on the Securities of a particular series that are not applied but remain unclaimed by the holders of such Securities for at least two years after the date upon which the principal of (and premium, if any) or interest on such Securities shall have respectively become due and payable, or such other shorter period set forth in applicable escheat or abandoned or unclaimed property law, shall be repaid to the Company on May 31 of each year or upon the Company's request or (if then held by the Company) shall be discharged from such trust; and thereupon the paying agent and the Trustee shall be released from all further liability with respect to such moneys or Governmental Obligations, and the holder of any of the Securities entitled to receive such payment shall thereafter, as a general creditor, look only to the Company for the payment thereof.

ARTICLE 12

IMMUNITY OF INCORPORATORS, SHAREHOLDERS, OFFICERS AND DIRECTORS

Section 12.01 No Recourse.

No recourse under or upon any obligation, covenant or agreement of this Indenture, or of any Security, or for any claim based thereon or otherwise in respect thereof, shall be had against any incorporator, shareholder, officer or director, past, present or future as such, of the Company or of any predecessor or successor corporation, either directly or through the Company or any such predecessor or successor corporation, whether by virtue of any constitution, statute or rule of law, or by the enforcement of any assessment or penalty or otherwise; it being expressly understood that this Indenture and the obligations issued hereunder are solely corporate obligations, and that no such personal liability whatever shall attach to, or is or shall be incurred by, the incorporators, shareholders, officers or directors as such, of the Company or of any predecessor or successor corporation, or any of them, because of the creation of the indebtedness hereby authorized, or under or by reason of the obligations, covenants or agreements contained in this Indenture or in any of the Securities or implied therefrom; and that any and all such personal liability of every name and nature, either at common law or in equity or by constitution or statute, of, and any and all such rights and claims against, every such incorporator, shareholder, officer or director as such, because of the creation of the indebtedness hereby authorized, or under or by reason of the obligations, covenants or agreements contained in this Indenture or in any of the Securities or implied therefrom, are hereby expressly waived and released as a condition of, and as a consideration for, the execution of this Indenture and the issuance of such Securities.

ARTICLE 13

MISCELLANEOUS PROVISIONS

Section 13.01 Effect on Successors and Assigns.

All the covenants, stipulations, promises and agreements in this Indenture made by or on behalf of the Company shall bind its successors and assigns, whether so expressed or not.

Section 13.02 Actions by Successor.

Any act or proceeding by any provision of this Indenture authorized or required to be done or performed by any board, committee or officer of the Company shall and may be done and performed with like force and effect by the corresponding board, committee or officer of any corporation that shall at the time be the lawful successor of the Company.

Section 13.03 Surrender of Company Powers.

The Company by instrument in writing executed by authority of its Board of Directors and delivered to the Trustee may surrender any of the powers reserved to the Company, and thereupon such power so surrendered shall terminate both as to the Company and as to any successor corporation.

Section 13.04 Notices.

Except as otherwise expressly provided herein, any notice, request or demand that by any provision of this Indenture is required or permitted to be given, made or served by the Trustee or by the holders of Securities or by any other Person pursuant to this Indenture to or on the Company may be given or served by being deposited in first class mail, postage prepaid, addressed (until another address is filed in writing by the Company with the Trustee), as follows: No. 8 Banhouhaichuan Rd, Xiqin Town, Yanping District, Nanping City, Fujian Province, China 353001, with a copy to Hunter Taubman Fischer & Li LLC, 950 Third Avenue, 19th floor, New York, NY 10022, Attn: Ying Li, Esq. Any notice, election, request or demand by the Company or any Securityholder or by any other Person pursuant to this Indenture to or upon the Trustee shall be deemed to have been sufficiently given or made, for all purposes, if given or made in writing at the Corporate Trust Office of the Trustee.

Section 13.05 Governing Law.

This Indenture and each Security shall be deemed to be a contract made under the internal laws of the State of New York, and for all purposes shall be construed in accordance with the laws of said State, except to the extent that the Trust Indenture Act is applicable.

Section 13.06 Treatment of Securities as Debt.

It is intended that the Securities will be treated as indebtedness and not as equity for federal income tax purposes. The provisions of this Indenture shall be interpreted to further this intention.

Section 13.07 Certificates and Opinions as to Conditions Precedent.

(a) Upon any application or demand by the Company to the Trustee to take any action under any of the provisions of this Indenture, the Company shall furnish to the Trustee an Officers' Certificate stating that all conditions precedent provided for in this Indenture (other than the certificate to be delivered pursuant to Section 13.13) relating to the proposed action have been complied with and an Opinion of Counsel stating that in the opinion of such counsel all such conditions precedent have been complied with, except that in the case of any such application or demand as to which the furnishing of such documents is specifically required by any provision of this Indenture relating to such particular application or demand, no additional certificate or opinion need be furnished.

(b) Each certificate or opinion provided for in this Indenture and delivered to the Trustee with respect to compliance with a condition or covenant in this Indenture shall include (i) a statement that the Person making such certificate or opinion has read such covenant or condition; (ii) a brief statement as to the nature and scope of the examination or investigation upon which the statements or opinions contained in such certificate or opinion are based; (iii) a statement that, in the opinion of such Person, he has made such examination or investigation as is reasonably necessary to enable him to express an informed opinion as to whether or not such covenant or condition has been complied with; and (iv) a statement as to whether or not, in the opinion of such Person, such condition or covenant has been complied with.

Section 13.08 Payments on Business Days.

Except as provided pursuant to Section 2.01 pursuant to a Board Resolution, and set forth in an Officers' Certificate, or established in one or more indentures supplemental to this Indenture, in any case where the date of maturity of interest or principal of any Security or the date of redemption of any Security shall not be a Business Day, then payment of interest or principal (and premium, if any) may be made on the next succeeding Business Day with the same force and effect as if made on the nominal date of maturity or redemption, and no interest shall accrue for the period after such nominal date.

Section 13.09 Conflict with Trust Indenture Act.

If and to the extent that any provision of this Indenture limits, qualifies or conflicts with the duties imposed by Sections 310 to 317, inclusive, of the Trust Indenture Act, such imposed duties shall control.

Section 13.10 Indenture and Securities Solely Corporate Obligations.

No recourse for the payment of the principal of, premium, if any, or interest on any Securities, or for any claim based thereon or otherwise in respect thereof, and no recourse under or upon any obligation, covenant or agreement of the Company in this Indenture or in any supplemental indenture or in any Security, or because of the creation of any indebtedness represented thereby, shall be had against any incorporator, shareholder, employee, agent, officer, director or subsidiary, as such, past, present or future, of the Company or of any successor entity, either directly or through the Company or any successor entity, whether by virtue of any constitution, statute, or rule of law, or by the enforcement of any assessment or penalty or otherwise; it being expressly understood that all such liability is hereby expressly waived and released as a condition of, and as a consideration for, the execution of this Indenture and the issuance of the Securities.

Section 13.11 Counterparts.

This Indenture may be executed in any number of counterparts, each of which shall be an original, but such counterparts shall together constitute but one and the same instrument.

Section 13.12 Separability.

In case any one or more of the provisions contained in this Indenture or in the Securities of any series shall for any reason be held to be invalid, illegal or unenforceable in any respect, such invalidity, illegality or unenforceability shall not affect any other provisions of this Indenture or of such Securities, but this Indenture and such Securities shall be construed as if such invalid or illegal or unenforceable provision had never been contained herein or therein.

Section 13.13 Compliance Certificates.

The Company shall deliver to the Trustee, within 120 days after the end of each fiscal year during which any Securities of any series were outstanding, a compliance certificate stating whether or not the signer knows of any Default or Event of Default that occurred during such fiscal year. Such certificate shall contain a certification from the principal executive officer, principal financial officer or principal accounting officer of the Company that a review has been conducted of the activities of the Company and the Company's performance under this Indenture and that the Company has complied with all conditions and covenants under this Indenture. For purposes of this Section 13.13, such compliance shall be determined without regard to any period of grace or requirement of notice provided under this Indenture. If the officer of the Company signing such certificate has knowledge of such a Default or Event of Default, the certificate shall describe any such Default or Event of Default and its status.

ARTICLE 14

SUBORDINATION OF SECURITIES

Section 14.01 Subordination Terms.

The payment by the Company of the principal of, premium, if any, and interest on any series of securities issued hereunder shall be subordinated to the extent set forth in an indenture supplemental hereto relating to such Securities.

IN WITNESS WHEREOF, the parties hereto have caused this Indenture to be duly executed all as of the day and year first above written.

SENTAGE HOLDINGS INC.

By: _____
Name: _____
Title: _____

[TRUSTEE], as Trustee

By: _____
Name: _____
Title: _____

CROSS-REFERENCE TABLE (1)

Section of Trust Indenture Act Of 1939, as Amended	Section of Indenture
310(a)	7.09
310(b)	7.08
	7.10
310(c)	Inapplicable
311(a)	7.13
311(b)	7.13
311(c)	Inapplicable
312(a)	5.01
	5.02(a)
312(b)	5.02(c)
312(c)	5.02(c)
313(a)	5.04(a)
313(b)	5.04(b)
313(c)	5.04(a)
	5.04(b)
313(d)	5.04(c)
314(a)	5.03
	13.12
314(b)	Inapplicable
314(c)	13.07(a)
314(d)	Inapplicable
314(e)	13.07(b)
314(f)	Inapplicable
315(a)	7.01(a)
	7.01(b)
315(b)	7.14
315(c)	7.01
315(d)	7.01(b)
315(e)	6.07
316(a)	6.06
	8.04
316(b)	6.04
316(c)	8.01
317(a)	6.02
317(b)	4.03
318(a)	13.09

(1) This Cross-Reference Table does not constitute part of the Indenture and shall not have any bearing on the interpretation of any of its terms or provisions.



Sentage Holdings Inc.
c/o Ogier Global (Cayman) LLP
89 Nexus Way, Camana Bay, Grand
Cayman KY1-9009, Cayman Islands

D +1 345 815 1877
E Tommy.Tuohy@ogier.com

Reference: 427218.00001

19 July 2024

Sentage Holdings Inc. (the Company)

We have been requested to provide you with an opinion on matters of Cayman Islands law in connection with the Company's registration statement on Form F-3, including all amendments or supplements thereto (including its exhibits, the **Registration Statement**), to be filed by the Company with the United States Securities and Exchange Commission (the **Commission**) under the United States Securities Act of 1933, as amended (the **Act**), relating to the registration of up to US\$60,000,000 of the following securities to be issued by the Company from time to time (together, the **Securities**):

- (a) Class A Ordinary Shares of par value US\$0.005 each in the capital of the Company (the **Class A Ordinary Shares**);
- (b) debt securities (the **Debt Securities**) to be issued pursuant to the applicable indenture, purchase agreement or similar agreement to be entered into by the Company (the **Debt Document**);
- (c) warrants to purchase Class A Ordinary Shares or Debt Securities (the **Warrants**) issuable pursuant to the terms of a warrant agreement, purchase agreement or similar agreement to be entered into by the Company and a warrant agent for such Warrants thereunder, if any (the **Warrant Document**);
- (d) rights to purchase Class A Ordinary Shares or Debt Securities (the **Rights**) to be issued under a rights agreement, purchase agreement or similar agreement to be entered into by the Company and one or more rights agent, if any (the **Rights Document**); and/or
- (e) units comprising any combination of Securities (the **Units**) to be issued under a unit agreement, purchase agreement or similar agreement between the Company and a unit agent to be specified therein, if any (the **Unit Document**).

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Cayman Islands

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A list of Partners may be inspected on our website

The Debt Document, Warrant Document, Rights Document and Unit Document are referred to herein collectively as **Governing Documents**.

The Debt Securities, the Warrants, the Rights and the Units are collectively referred to herein as **Non-Equity Securities**.

We have been advised that the Securities are to be offered on a delayed basis pursuant to Rule 415 under the Act, as set forth in the Registration Statement, and that this opinion is required to be furnished in accordance with the requirements of Item 601 (b)(5) of Regulation S-K under the Act. No opinion is expressed herein as to any matter pertaining to the contents of the Registration Statement other than as expressly stated herein with respect to the issuance of the Securities.

Unless a contrary intention appears, all capitalised terms used in this opinion have the respective meanings set forth in the Registration Statement. A reference to a Schedule is a reference to a schedule to this opinion and the headings herein are for convenience only and do not affect the construction of this opinion.

1 Documents examined

For the purposes of giving this opinion, we have examined originals, copies, or drafts of the following documents:

- (a) the certificate of incorporation of the Company dated 16 September 2019 issued by the Registrar of Companies of the Cayman Islands (the **Registrar**);
- (b) the amended and restated memorandum and articles of association of the Company adopted by special resolutions of the Company passed on 7 December 2023 (the **Memorandum and the Articles**);
- (c) a certificate of good standing dated 16 July 2024 (the **Good Standing Certificate**) issued by the Registrar in respect of the Company;
- (d) a certificate dated the date hereof as to certain matters of fact signed by a director of the Company in the form annexed hereto (the **Director's Certificate**), having attached to it a copy of the written resolutions of the directors of the Company passed on 16 July 2024 (the **Board Resolutions**); and
- (e) the Registration Statement.

We have not made any searches or enquiries concerning, and have not examined any documents entered into by or affecting, the Company or any other person, save for the searches, enquiries and examinations expressly referred to above.

2 Assumptions

In giving this opinion we have relied upon the assumptions set forth in Schedule 1 without having carried out any independent investigation or verification in respect of those assumptions.

3 Opinions

On the basis of the examinations and assumptions referred to above and subject to the limitations and qualifications set forth below, we are of the opinion that:

Corporate status

- (a) The Company has been duly incorporated as an exempted company with limited liability and is validly existing and in good standing with the Registrar.

Issuance of Class A Ordinary Shares

- (b) With respect to the Class A Ordinary Shares, when:
- (i) the board of directors of the Company (the **Board**) has taken all necessary corporate actions to approve the issuance and allotment of the Class A Ordinary Shares, the terms of the offering of the Class A Ordinary Shares and all related matters;
 - (ii) either (A) the provisions of the applicable definitive purchase, underwriting or similar agreement approved by the Board have been satisfied and payment of the consideration specified therein (being not less than the par value of the Class A Ordinary Shares) has been made, or (B) if such Class A Ordinary Shares are issuable upon conversion, exchange, redemption, repurchase or exercise of any other security, the terms of such security, the Memorandum and Articles or the instrument governing such security providing for such conversion, exchange, redemption, repurchase or exercise for Class A Ordinary Shares, as approved by the Board, have been satisfied and the consideration approved by the Board (being not less than the par value of the Class A Ordinary Shares) received; and
 - (iii) valid entry has been made in the register of members of the Company reflecting such issuance of Class A Ordinary Shares, in each case in accordance with the Memorandum and Articles,

the Class A Ordinary Shares will be recognised as having been duly authorised and validly issued, fully paid and non-assessable.

Issuance of Debt Securities

- (c) With respect to the Debt Securities to be issued, when:
- (i) the Board has taken all necessary corporate actions to authorise and approve the creation and terms of the Debt Securities and to approve the issuance thereof, the terms of the offering thereof and all related matters;
 - (ii) the Debt Document relating to the Debt Securities shall have been duly authorized and validly executed and unconditionally delivered by and on behalf of the Company and all the relevant parties thereunder; and
 - (iii) the Debt Securities issued thereunder have been duly executed and delivered on behalf of the Company and authenticated in the manner set forth in the applicable Debt Document relating to such issue of Debt Securities and delivered against due payment therefor pursuant to, and in accordance with, the terms of the Registration Statement and any relevant prospectus supplement,

the Debt Securities will have been duly executed, issued and delivered.

Valid Issuance of Warrants

(d) With respect to the Warrants to be issued, when:

- (i) the Board has taken all necessary corporate actions to authorise and approve the creation and terms of the Warrants and to approve the issuance thereof, the terms of the offering thereof and all related matters;
- (ii) a Warrant Document relating to the Warrants shall have been duly authorized and validly executed and unconditionally delivered by the Company and the warrant agent thereunder; and
- (iii) the certificates representing the Warrants have been duly executed, countersigned and delivered in accordance with the Warrant Document relating to the Warrants and the applicable definitive purchase, underwriting or similar agreement approved by the Board upon payment of the consideration therefor provided therein,

the Warrants will be duly authorized and validly issued and will constitute legal, valid and binding obligations of the Company.

Valid Issuance of Rights

(e) With respect to the Rights to be issued, when:

- (i) the Board has taken all necessary corporate actions to authorise and approve the creation and terms of the Rights and to approve the issue thereof, the terms of the offering thereof and all related matters;
- (ii) a Rights Document relating to the Rights shall have been duly authorised and validly executed and unconditionally delivered by the Company and the financial institution designated as rights agent, if any, thereunder; and
- (iii) the certificates representing the Rights shall have been duly executed, countersigned, issued and delivered in accordance with the Rights Document relating to the Rights, and the applicable definitive purchase, underwriting or similar agreement approved by the Board upon payment of the consideration therefor provided therein,

the Rights will be duly authorised and validly issued and will constitute legal, valid and binding obligations of the Company.

Valid Issuance of Units

- (f) With respect to each issue of Units, when:
- (i) the Board has taken all necessary corporate actions to authorise and approve the creation and terms of the Units and to approve the issue of the Securities which are components thereof, the terms of the offering thereof and all related matters;
 - (ii) a Unit Document relating to the Units shall have been duly authorised and validly executed and unconditionally delivered by the Company and the financial institution designated as unit agent, if any, thereunder;
 - (iii) in respect of any Class A Ordinary Shares which are components of the Units, valid entry has been made in the register of members of the Company reflecting such issuance of Class A Ordinary Shares, in each case in accordance with the Memorandum and Articles; and
 - (iv) in respect of any Debt Securities which are components of the Units, the Debt Document shall have been duly authorized and validly executed and unconditionally delivered by the Company and all relevant parties thereunder;
 - (v) in respect of any Warrants which are components of the Units, a Warrant Document shall have been duly authorized and validly executed and unconditionally delivered by the Company and the warrant agent thereunder, if any, in respect of any Warrants which are components of the Units;
 - (vi) in respect of any Rights which are components of the Units, a Rights Document shall have been duly authorized and validly executed and unconditionally delivered by the Company and the financial institution designated as rights agent, if any, thereunder;
 - (vii) the Units and any Securities which are components of the Units shall have been duly executed, countersigned, authenticated, issued, registered and delivered (in each case, as and when applicable), in accordance with the provisions of (A) the applicable Unit Document relating to the Units, (B) the applicable Warrant Document relating to any Warrants which are components of the Units, (C) the applicable Debt Document relating to any Debt Securities which are components of the Units, (D) the applicable Rights Document relating to any Rights which are components of the Units, (E) the Memorandum and Articles and (F) the applicable definitive purchase, underwriting or similar agreement approved by the Board, and upon payment of the consideration therefor provided therein (being, in respect of Class A Ordinary Shares which are components of the Units, not less than the par value of such Class A Ordinary Shares),

the Units will be duly authorised and validly issued and will constitute legal, valid and binding obligations of the Company.

4 Limitations and Qualifications

4.1 We offer no opinion:

- (a) as to any laws other than the laws of the Cayman Islands, and we have not, for the purposes of this opinion, made any investigation of the laws of any other jurisdiction, and we express no opinion as to the meaning, validity, or effect of references in the Registration Statement and the Governing Documents to statutes, rules, regulations, codes or judicial authority of any jurisdiction other than the Cayman Islands;
- (b) except to the extent that this opinion expressly provides otherwise, as to the commercial terms of, or the validity, enforceability or effect of the Registration Statement or any of the Governing Documents, the accuracy of representations, the fulfilment of warranties or conditions, the occurrence of events of default or terminating events or the existence of any conflicts or inconsistencies among the Registration Statement, the Governing Documents and any other agreements into which the Company may have entered or any other documents; or
- (c) as to whether the acceptance, execution or performance of the Company's obligations under the Registration Statement and/or the Governing Documents will result in the breach of or infringe any other agreement, deed or document entered into by or binding on the Company.

4.2 Under the Companies Act (Revised) (the **Companies Act**) of the Cayman Islands, annual returns in respect of the Company must be filed with the Registrar of Companies in the Cayman Islands, together with payment of annual filing fees. A failure to file annual returns and pay annual filing fees may result in the Company being struck off the Register of Companies, following which its assets will vest in the Financial Secretary of the Cayman Islands and will be subject to disposition or retention for the benefit of the public of the Cayman Islands.

4.3 In **good standing** means only that as of the date of this opinion the Company is up-to-date with the filing of its annual returns and payment of annual fees with the Registrar of Companies. We have made no enquiries into the Company's good standing with respect to any filings or payment of fees, or both, that it may be required to make under the laws of the Cayman Islands other than the Companies Act.

4.4 In this opinion the phrase "non-assessable" means, with respect to the Class A Ordinary Shares, that a member of the Company shall not, by virtue of its status as a member of the Company, be liable for additional assessments or calls on such Class A Ordinary Shares by the Company or its creditors (except in exceptional circumstances, such as involving fraud, the establishment of an agency relationship or an illegal or improper use or other circumstance in which a court may be prepared to pierce or lift the corporate veil).

4.5 We are not aware of any Cayman Islands authority as to when the courts would set aside the limited liability of a shareholder in a Cayman Islands company. Our opinion on the subject is based on the Companies Act and English common law authorities, the latter of which are persuasive but not binding in the courts of the Cayman Islands. Under English authorities, circumstances in which a court would attribute personal liability to a shareholder are very limited, and include: (a) such shareholder expressly assuming direct liability (such as a guarantee); (b) the company acting as the agent of such shareholder; and (c) the company being incorporated by or at the behest of such shareholder for the purpose of committing or furthering such shareholder's fraud, or for a sham transaction otherwise carried out by such shareholder. In the absence of these circumstances, we are of the opinion that a Cayman Islands' court would have no grounds to set aside the limited liability of a shareholder.

Sentage Holdings Inc.
19 July 2024

- 4.6 We have not reviewed the Governing Documents and our opinions are qualified accordingly.
- 4.7 The Company is prohibited by section 175 of the Companies Act from making any invitation to the public in the Cayman Islands to subscribe for any of its securities.
- 4.8 We reserve our opinion as to the extent to which the courts of the Cayman Islands would, in the event of any relevant illegality or invalidity, sever the relevant provisions of the Governing Documents and the Non-Equity Securities and enforce the remainder of the Governing Documents and the Non-Equity Securities or the transaction of which such provisions form a part, notwithstanding any express provisions in any Governing Document in this regard.

5 Governing law of this opinion

- 5.1 This opinion is:
- (a) governed by, and shall be construed in accordance with, the laws of the Cayman Islands;
 - (b) limited to the matters expressly stated in it; and
 - (c) confined to, and given on the basis of, the laws and practice in the Cayman Islands at the date of this opinion.
- 5.2 Unless otherwise indicated, a reference to any specific Cayman Islands legislation is a reference to that legislation as amended to, and as in force at, the date of this opinion.

6 Consent

We hereby consent to the filing of this opinion as an exhibit to the Registration Statement and to the reference to our firm under the heading "Legal Matters" of the Registration Statement.

This opinion may be used only in connection with the offer and sale of the Securities while the Registration Statement is effective. In giving our consent, we do not thereby admit that we are in the category of persons whose consent is required under Section 7 of the Act or the Rules and Regulations of the Commission thereunder.

Yours faithfully



Ogier (Cayman) LLP

SCHEDULE 1

Assumptions

- 1 All original documents examined by us are authentic and complete.
- 2 All copy documents examined by us (whether in facsimile, electronic or other form) conform to the originals and those originals are authentic and complete.
- 3 All signatures, seals, dates, stamps and markings (whether on original or copy documents) are genuine.
- 4 Each of the Good Standing Certificate, the Memorandum and Articles and the Director's Certificate is accurate and complete as at the date of this opinion.
- 5 Each of the parties to the Governing Documents other than the Company is duly incorporated, formed or organised (as applicable), validly existing and in good standing under all relevant laws. Any individuals who are parties to the Governing Documents, or who sign or have signed documents or give information on which we rely, have the legal capacity under all relevant laws (including the laws of the Cayman Islands) to enter into and perform their obligations under such Governing Document, sign such documents and give such information.
- 6 Each Governing Document and the Non-Equity Securities have been, or will be, duly authorised, executed and unconditionally delivered by or on behalf of all relevant parties in accordance with all relevant laws and, in respect of the Company, in the manner authorised by the Board.
- 7 In authorising the execution and delivery of the Governing Documents by the Company, the exercise of its rights and performance of its obligations under such documents, each of the directors of the Company has acted in good faith with a view to the best interests of the Company and has exercised the standard of care, diligence and skill that is required of him or her.
- 8 The applicable Governing Documents will be governed by and construed in accordance with the laws of New York and will be legal, valid, binding and enforceable against all relevant parties in accordance with its terms under the laws of New York and all other relevant laws. If an obligation is to be performed in a jurisdiction outside the Cayman Islands, its performance will not be contrary to an official directive, impossible or illegal under the laws of that jurisdiction.
- 9 The choice of the laws of the State of New York as the governing law of the Governing Documents has, or will have, been made in good faith and would be regarded as a valid and binding selection which will be upheld by the courts of the State of New York and any other relevant jurisdiction (other than the Cayman Islands) as a matter of the laws of the State of New York and all other relevant laws (other than the laws of the Cayman Islands).
- 10 No monies paid to or for the account of any party in respect of the Securities under the Governing Documents represent, or will represent, criminal property or terrorist property (as defined in the Proceeds of Crime Act (Revised), and the Terrorism Act (Revised) respectively) and none of the parties to the Governing Documents is acting or will act in relation to the transactions contemplated by such documents, in a manner inconsistent with United Nations or United Kingdom sanctions or measures extended by statutory instrument to the Cayman Islands by orders of His Majesty in Council.

- 11 The Non-Equity Securities will respectively be issued and authenticated as required in accordance with the provisions of a duly authorised, executed and delivered applicable Governing Document and the Non-Equity Securities will be legal, valid, binding and enforceable against all relevant parties in accordance with their terms under the laws of the State of New York and all other relevant laws (other than, with respect to the Company, the laws of the Cayman Islands).
- 12 The form and terms of any and all Securities, the issuance and sale thereof by the Company, and the Company's incurrence and performance of its obligations thereunder or in respect thereof (including, without limitation, its obligations under any related agreement, indenture or supplement thereto) in accordance with the terms thereof will not violate the memorandum and articles of association of the Company then in effect nor any applicable law, regulation, order or decree in the Cayman Islands.
- 13 None of the opinions expressed herein will be adversely affected by the laws or public policies of any jurisdiction other than the Cayman Islands. In particular, but without limitation to the previous sentence:
 - (a) the laws or public policies of any jurisdiction other than the Cayman Islands will not adversely affect the capacity or authority of the Company; and
 - (b) neither the execution or delivery of the Governing Documents nor the exercise by any party to the Governing Documents of its rights or the performance of its obligations under them contravene those laws or public policies.
- 14 There are no agreements, documents or arrangements (other than the documents expressly referred to in this opinion as having been examined by us) that materially affect or modify the Governing Documents or the transactions contemplated by Governing Documents or restrict the powers and authority of the Company in any way from entering into and performing its obligations under any duly authorised, executed and delivered Governing Documents.
- 15 The Company has obtained, or will obtain prior to execution, all consents, licences, approvals and authorisations of any governmental or regulatory authority or agency or of any other person that it is required to obtain pursuant to the laws of all relevant jurisdictions (other than those of the Cayman Islands) to ensure the legality, validity, enforceability, proper performance and admissibility in evidence of the Governing Documents. Any conditions to which such consents, licences, approvals and authorisations are subject have been, and will continue to be, satisfied or waived by the parties entitled to the benefit of them.
- 16 The Class A Ordinary Shares shall be issued at an issue price in excess of the par value thereof.
- 17 All necessary corporate action will be taken to authorise and approve any issuance of Securities and the terms of the offering of such Securities thereof and other related matters and that the applicable definitive purchase, underwriting or similar agreement will be duly approved, executed and delivered by or on behalf of the Company and all other parties thereto.

**CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

We consent to the incorporation by reference in this Registration Statement on Form F-3 of our audit report dated April 26, 2024 relating to the consolidated financial statements of Sentage Holdings Inc and its subsidiaries, for the years ended December 31, 2023, 2022, and 2021, appearing in the Annual Report on Form 20-F of Sentage Holdings Inc. for the year ended December 31, 2023.

We also consent to the reference to us under the heading “Experts” in such Registration Statement.

Enrome LLP

/s/ Enrome LLP

Singapore

July 19, 2024

Enrome LLP

143 Cecil Street #19-03/04
GB Building, Singapore 069542

admin@enrome-group.com
www.enrome-group.com

Date: July 12, 2024

To: Sentage Holdings Inc.

501, Platinum Tower 233 Taicang Road

Huangpu, Shanghai City

People's Republic of China

RE: Consent letter of Beijing Dacheng Law Offices, LLP (Fuzhou)

Dear Sirs or Madams,

We are lawyers qualified in the People's Republic of China ("PRC") acting as the PRC legal counsel to **Sentage Holdings Inc.** (the "**Company**"), in connection with the proposed offering of the securities of the Company (the "**Offering**") , as set forth in the Company's registration statement on Form F-3, including all amendments or supplements thereto (the "**Registration Statement**"), filed by the Company with the Securities and Exchange Commission (the "**SEC**") under the U.S. Securities Act of 1933 (as amended) in relation to the Offering.

We hereby consent to the reference to our name in the Registration Statement, including on the cover page and under the captions "Prospectus Summary," "Risk Factors," "Legal Matters," "Enforceability of Civil Liabilities," and elsewhere in the Registration Statement, and the inclusion of our opinions in the Registration Statement with respect to permissions, consents, approvals, and filings required by PRC authorities, including the China Securities Regulatory Commission, relating to the Offering.

We further hereby consent to the filing of this letter as an exhibit to the Registration Statement and any amendments or supplements thereto.

Yours faithfully,



Qiushi Li

Attorney at Law

Beijing Dacheng Law Offices, LLP (Fuzhou)

Calculation of Filing Fee Tables

FORM F-3
(Form Type)

Sentage Holdings Inc.

(Exact Name of Registrant as Specified in its Charter)

Not Applicable

(Translation of Registrant's Name into English)

Table 1: Newly Registered and Carry Forward Securities

	Security Type	Security Class Title	Fee Calculation or Carry Forward Rule	Amount Registered (1)	Proposed Maximum Offering Price Per Unit	Maximum Aggregate Offering Price (3)	Fee Rate	Amount of Registration Fee	Carry Forward Form Type	Carry Forward File Number	Carry Forward Initial effective date	Filing Fee Previously Paid In Connection with Unsold Securities to be Carried Forward
Newly Registered Securities												
Fees to Be Paid	Equity	Class A Ordinary Shares, par value US\$0.005 per share	-	-	-	-	-	-	-	-	-	-
	Debt	Debt Securities	-	-	-	-	-	-	-	-	-	-
	Other	Warrants	-	-	-	-	-	-	-	-	-	-
	Other	Rights	-	-	-	-	-	-	-	-	-	-
	Other	Units	-	-	-	-	-	-	-	-	-	-
	Unallocated (Universal) Shelf	-	457(o)	(1)	(2) \$60,000,000	0.00014760	\$ 8,856					
Fees Previously Paid	-	-	-	-	-	-	-	-	-	-	-	-
Carry Forward Securities												
Carry Forward Securities	-	-	-	-	-	-	-	-	-	-	-	-
	Total Offering Amounts				\$60,000,000		<u>\$ 8,856</u>					
	Total Fees Previously Paid						<u>-</u>					
	Total Fee Offsets						<u>-</u>					
	Net Fee Due						<u>\$ 8,856</u>					

(1) The registrant is registering an indeterminate number of securities for offer and sale from time to time at indeterminate prices. In addition, pursuant to Rule 416(a) under the Securities Act of 1933, as amended, this registration statement shall be deemed to cover any additional number of securities that may be issued from time to time to prevent dilution as a result of a distribution, split, combination, or similar transaction. Securities registered hereunder may be sold separately, or together with other securities registered hereunder. Includes consideration to be received by the registrant, if applicable, for registered securities that are issuable upon exercise, conversion, or exchange of other registered securities.

(2) The proposed maximum aggregate offering price per class of security will be determined from time to time by the registrant in connection with the issuance by the registrant of the securities registered hereunder and is not specified as to each class of security pursuant to Instructions to the Calculation of Filing Fee Tables and Related Disclosure (2)(A) (iii)(b) of Form F-3 under the Securities Act.

(3) Estimated solely for the purpose of computing the amount of the registration fee pursuant to Rule 457(o) under the Securities Act.