SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 6-K

Report of Foreign Private Issuer Pursuant to Rule 13a-16 or 15d-16 of the Securities Exchange Act of 1934

January 2020

Commission File Number: 001-37925

GDS Holdings Limited

(Registrant's name)

2/F, Tower 2, Youyou Century Place 428 South Yanggao Road Pudong, Shanghai 200127 People's Republic of China (Address of principal executive offices)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F:

Form 20-F x Form 40-F o

Indicate by check mark if the registrant is submitting the Form 6-K on paper as permitted by Regulation S-T Rule 101(b)(1): o

Indicate by check mark if the registrant is submitting the Form 6-K on paper as permitted by Regulation S-T Rule 101(b)(7): o

EXHIBITS

Exhibit 99.1 — Press release – GDS Announces Acquisition of Site in Shanghai for Major New Data Center Campus

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

GDS Holdings Limited

Date: January 16, 2020

/s/ William Wei Huang By: Name: William Wei Huang Title:

Chief Executive Officer

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GDS Announces Acquisition of Site in Shanghai for Major New Data Center Campus

Shanghai, China, January 16, 2020 — GDS Holdings Limited ("GDS Holdings", "GDS" or the "Company") (NASDAQ: GDS), a leading developer and operator of high-performance data centers in China, today announced that it has entered into a definitive legal agreement through its indirectly wholly-owned subsidiary in China to acquire from a third party a site (the "Site") in Pujiang Area, Minhang District of Shanghai, for a total consideration of RMB1.37 billion. The Site consists of approximately 212,000 square meters of total land area, with roughly half of it developed and half greenfield. It will be used for a major new data center campus, which the Company intends to develop in multiple phases over several years.

The Site is located around 25 kms from the Company's existing cluster of 11 data centers in the Shanghai Waigaoqiao Free Trade Zone. Minhang District is an established data center hub due to its proximity to submarine cable landing stations. It is an attractive location for enterprise customers, while the Site's large developable area is also well-suited to the requirements of hyperscale customers. By acquiring the Site, the Company will have long term security of tenure and control over the design and phasing of the development.

For Phase 1, the Company intends to convert two existing industrial buildings into data centers (to be known as "SH16" and "SH17"), yielding a total net floor area of approximately 22,600 sqm of high-power density capacity, based on the preliminary design. The construction will be initiated shortly and is expected to be completed in early 2021. Access to power has been obtained for Phase 1, while the development of subsequent phases will be contingent upon obtaining additional power capacity.

GDS disclosed in its Prospectus Supplement dated December 5, 2019 that it had entered into a binding memorandum of understanding with a third party to acquire certain buildings which form part of the Site. Subsequent to this disclosure, the acquisition was restructured to include additional buildings and greenfield land held under the same title.

"Shanghai is a high-priority location for our customers, and we're excited to be expanding and strengthening our footprint in this extremely desirable and resource constrained Tier-1 market," stated William Huang, Chairman and Chief Executive Officer of GDS, "We already have strong customer demand inhand, and are confident that Phase 1 will sell out quickly. The acquisition of additional land in Shanghai coupled with the strong support of the local government when it comes to the digital economy, will enable us to meet the region's growth in cloud adoption and need for low-latency infrastructure."

About GDS Holdings Limited

GDS Holdings Limited (Nasdaq: GDS) is a leading developer and operator of high-performance data centers in China. The Company's facilities are strategically located in China's primary economic hubs where demand for high-performance data center services is concentrated. The Company's data centers have large net floor area, high power capacity, density and efficiency, and multiple redundancy across all critical systems. GDS is carrier and cloud neutral, which enables customers to connect directly to all major PRC telecommunications carriers and to the largest PRC and global cloud service providers hosted by GDS in many of its facilities. The Company has a 19-year track record of service delivery, successfully fulfilling the requirements of some of the largest and most demanding customers for outsourced data center services in China. The Company's base of customers consists predominantly of hyper-scale cloud service providers, large internet companies, financial institutions, telecommunications and IT service providers, and large domestic private sector and multinational corporations.

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