

VIA EDGAR

Ms. Jan Woo
Mr. Jeff Kauten
Mr. Stephen Krikorian
Ms. Laura Veator
Division of Corporation Finance
Office of Technology
U.S. Securities and Exchange Commission
100 F Street, NE
Washington, D.C. 20549

**Re: Hesai Group (CIK No. 0001861737)
Registration Statement on Form F-1 (File No. 333-269247)
Registration Statement on Form 8-A (File No. 001-41611)**

Dear Ladies and Gentlemen:

Pursuant to Rule 461 of Regulation C (“Rule 461”) promulgated under the Securities Act of 1933, as amended, Hesai Group (the “Company”) hereby requests that the effectiveness of the above-referenced Registration Statement on Form F-1 (the “F-1 Registration Statement”) be accelerated to, and that the F-1 Registration Statement become effective at, 4:00 p.m., Eastern Time on February 8, 2023, or as soon thereafter as practicable.

The Company also requests that the Registration Statement on Form 8-A under the Securities Exchange Act of 1934, covering the American depository shares representing Class B ordinary shares of the Company, be declared effective concurrently with the F-1 Registration Statement (the F-1 Registration Statement, together with the Registration Statement on Form 8-A, the “Registration Statements”).

If there is any change in the acceleration request set forth above, the Company will promptly notify you of the change, in which case the Company may be making an oral request of acceleration of the effectiveness of the Registration Statements in accordance with Rule 461 of Regulation C. Such request may be made by an executive officer of the Company or by any attorney from the Company’s U.S. counsel, Skadden, Arps, Slate, Meagher & Flom LLP.

The Company understands that the representatives of the underwriters, on behalf of the prospective underwriters of the offering, have joined in this request in a separate letter filed with the Securities and Exchange Commission today.

[Signature page follows]

Very truly yours,

Hesai Group

By: /s/ Yifan Li
Name: Yifan Li
Title: Director and Chief Executive Officer

[Signature Page to Issuer Acceleration Request]
