



BACKGROUND INFORMATION U.S. STANDARDS DIRECTORY

U.S.–India Standards and Conformance Cooperation Program (SCCP)

www.StandardsPortal.org/us-indiasccp

CONSTRUCTION EQUIPMENT (ICS 91.220)

Introduction

Construction equipment includes scaffolding, lifting equipment, earth-moving machinery, and other machinery and equipment.

Feedback from Indian stakeholders in the government and private sector

Activities of GOI ministries in the area of construction equipment indicate that Indian government places a high priority on developments in the sector. Of the ten sectors outlined in this report, Indian government places construction equipment in the top three. Based on feedback from CII, construction equipment is an important sector within Indian industry.

Indian standards and regulatory developments

To ANSI's knowledge, there are not currently any draft Indian Standards (IS) pertaining to construction equipment in progress. The full list of relevant Indian Standards may be found in [BIS' online catalog](#).

Concentration of Indian SMEs in industry sector

According to the Indian [Ministry of Micro, Small and Medium Enterprises](#), it is estimated that Indian micro and small enterprises account for 39% of the manufacturing output and 33% of the total export of the country. In the construction equipment sector specifically, there is a significant concentration of Indian SME's, placing the sector in the top half of those listed in this report.

Bilateral U.S. – India trade flows

Construction equipment is not defined as a sector under HTS codes, so specific data for the sector could not be collected. Instead, data was gathered from the [U.S. International Trade Commission](#) using selected “proxy” products for which trade data is available: scaffolding, lifting equipment, and earth moving machinery. The data below does not reflect the total trade flows for construction equipment, but does show trends in the trade flows:

Product	2006		2007		2008	
	U.S. Exports	Indian Exports	U.S. Exports	Indian Exports	U.S. Exports	Indian Exports
Scaffolding	N/A	\$3.8 million	N/A	\$6.7 million	\$106,589	\$17.4 million
Lifting Equipment	\$10.3 million	\$10.8 million	\$8.6 million	\$1.9 million	\$8.7 million	\$2.9 million
Earth Moving Machinery	\$11.9 million	\$838,529	\$12.5 million	\$1.6 million	\$85 million	\$1.5 million

Relationship to U.S. Gross Domestic Product (GDP)

In addition to the trade data listed above, ANSI has prepared information on the contribution of the building and construction sector to the total U.S. GDP. Information was available through 2007, and data for 2005-2007 is listed in the table below¹.

	2005	2006	2007
Total U.S. GDP	\$12.4 trillion	\$13.1 trillion	\$13.8 trillion
Value building & construction sector	\$605.5 billion	\$646 billion	\$610.8 billion
% of Total U.S. GDP	4.874%	4.902%	4.424%

Priority placed on standardization within the U.S. sector

The U.S. is actively engaged in standardization for construction equipment. The U.S. holds the Secretariat for ISO TC127 (earth-moving machinery) and participates in ISO TC195 (building construction machinery and equipment). In addition, U.S.-based standards developers such as the American Forest and Paper Association (AF&PA), American Society of Mechanical Engineers (ASME), and the American Welding Society (AWS) are active in this field and listed in StandardsPortal. Trade associations such as the Association of Equipment Manufacturers (AEM) are also very active.

¹ U.S. Bureau of Economic Analysis (<http://www.bea.gov>)