

Exploring Steel Consumption Trends in Commercial Buildings

(A consolidation of Case Studies)



Institute for Steel Development and Growth (INSDAG)

Our Mission Statement

To work in unison with all the stakeholders in the steel industry so as to evolve ways and means for more efficient usage of steel and provide optimum value to the customer.

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USE MORE STEEL

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PREFERRED
MATERIAL
FOR THE
NEW
MILLENNIUM

Foreward for Exploring Steel Consumption Trends in Commercial Buildings (A consolidation of Case Studies)

I extend my commendation to the Institute for Steel Development and Growth (INSDAG) for its dedication in advocating the merits of structural steel in construction over the past two decades.

Because of challenges such as high initial costs, limited availability of diverse range of sections, and skill gaps in fabrication, the utilization of steel in construction projects across the India has not mirrored the upward trajectory that has been observed globally.

However, it is undeniable that steel continues to play a pivotal role in the development of our nation's infrastructure, particularly in bridges and buildings, owing to its unparalleled strength, durability, and versatility. For instance, Howrah Bridge in Kolkata stands as a testament to the steel industry's capabilities.

The decision-making process for builders and developers often involves weighing the advantages of reinforced concrete (RCC) against steel structures, with the cost implications at the forefront. Also there is a misconception and conflict of idea about the steel consumption per unit area among the stakeholders. In this context, INSDAG has undertaken a commendable initiative to compile case studies (43 Nos.) describing steel consumption per unit area in actual commercial buildings. This compilation serves as a guiding resource, offering insights to the stakeholders in construction sector.

Benchmarking steel consumption per unit area is an integral part to identify areas for enhancement of the steel usage. I extend my sincere appreciation to every member of INSDAG for completion of this project, which will be beneficial in offering insights for improvement of the strategies for augment of the steel consumption in INDIA.



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Contents

Our Mission Statement	I
Title Page	II
Message	III
Foreword:	IV
Acknowledgments	V
Introduction:	1
Scope and Objectives of the Report:	1
Collection of required Data Points:	2
Factors Affecting Steel Consumption:	2
Significance in Construction Projects:	3
Project Details:	4
GMS Grande Palladium, Mumbai	4
Sattva Knowledge Park, Hyderabad	5
Indira Paryavaran Bhawan, New Delhi	6
MFAR Building, Bengaluru	7
Globe Multiplex, Kolkata	8
NetApp, Bengaluru	9
Ispat Pragati Bhawan	10
Reliance JIO HQ, Navi Mumbai	11
MSTC Head Office, Kolkata	12
Prestige Trade Tower, Bengaluru	13
EON Free Zone, Pune	14
Phoenix Aquila Tower A & B, Hyderabad	15
ICICI Regional HQ, Hyderabad	16
Phoenix Centaurus, Hyderabad	17
Phoenix Business Hub, Hyderabad	18
Phoenix H10, Hyderabad	19
Phoenix 285FD Tower-2, Hyderabad	20
Phoenix Equinox T1, T2, T3 & T4 Hyderabad	21
Phoenix P14, Hyderabad	22
Phoenix P-25, Hyderabad	23
Colt Data Centre, Navi Mumbai	24
AdaniConneX Centre, Chennai	25
Gaur World Street Mall, Ghaziabad	26
IKEA, Bengaluru	27
Earth Enclave, Mumbai	28
M. Pandit Madan Mohan Malviya Cancer Centre, Varanasi	29
National Cancer Institute, Nagpur	30
PICU Muzaffarpur	31
Sri Sathya Sai Sanjeevani Hospital	32

Light house project under PMAY	33
IIIT Nagpur, Academic Block- 5 Floor, Admin Block- 3 Floors	35
Paradise Avenue	36
OTM Accommodation, MES	37
Immigration Centre, Petrapole	38
JSW Centre	39
R&R Base Hospital	40
ASB MG Engineering College	41
Aster Public School	42
Aster Public School Knowledge Park IV	43
TCS Technopark Building	44
CIDCO Exhibition & Business Centre	45
Study highlights:	46
Data Average:	50
Observations:	51
Points of Consideration for Industry	51
Conclusion:	52