

DEPARTMENT OF CIVIL ENGINEERING
NATIONAL INSTITUTE OF TECHNOLOGY: TIRUCHIRAPPALLI –15

Tender No.6/2007

Item No. 2. CIV 5 Ton capacity x 11m span single girder EOT crane

Specification for Design, Fabrication, Supply and Erection of EOT Crane

Installation address:	Structural Engineering Laboratory, Department of Civil Engineering National Institute of Technology Trichy-620 015 India
Span of gantry system	: 11ms
Capacity (SWL)	: 5 tons
Type	: Single girder EOT
Location	: Indoor
Hook height at fully elevated condition	: 6m
Operation	: Operated through hanging push button.
Hanging push button	: on/off, up/down, to/fro, left/right
Speed (meters/min) of crane movements	
Hoisting	: 3.5
Cross travel	: 14
Long travel	: 20
Motor requirements	: 1. Hoisting 2. Cross-traveling 3. Long traveling
Limiting cutoff switch requirement	: for Hoisting, to & fro and left & right movements
Scope	: Design, fabrication, supply and erection of crane girder and EOT crane with necessary crane girder as specified. All the electrical related items shall be designed and installed. Supporting structure including the columns, gantry girder and the rail is not in this scope of work.