


INTER PLANT STANDARD IN STEEL INDUSTRY		
 IPSS	HAND SIGNALS FOR EOT CRANES	IPSS: 2-02-013-18 (First Revision)
	Corresponding IS does not exist	Formerly: IPSS: 2-02-013-01

0. FOREWORD

- 0.1 Interplant standardization in steel industry has been initiated under the aegis of the Indian Standards Institution (ISI) and the Steel Authority of India Limited (SAIL). This Interplant Standards is prepared by the Standard Committee on E O T Cranes, IPSS 2:2 with the active participation of the representatives of all the steel plants and leading consultants and was adopted in June, 2001. Thereafter, standard was revised by the Standard Committee in March, 2018.
- 0.2 Interplant standardization for steel industry primarily aims at achieving rationalization and unification of parts and assemblies of process and auxiliary equipment used in steel plants and these are intended to provide guidance to the steel plant engineers, consultants and manufacturers in their design activities. It is not desirable to make deviations in technical requirements.
- 0.3 Need for standardizing the hand signals for EOT Cranes in steel industries has long been felt by the Standards Committee on EOT Cranes, IPSS 2:2 and accordingly, this standard was prepared and now revised by the Standard Committee.
- 0.4 In preparing this standard, assistance was taken from the relevant Indian Standards and Crane Operator's guide for steel industries. Various Indian Standards and IPSS standards referred to in this standard have undergone revision over a period of time. This revision has been carried out to incorporate these changes.

1. SCOPE

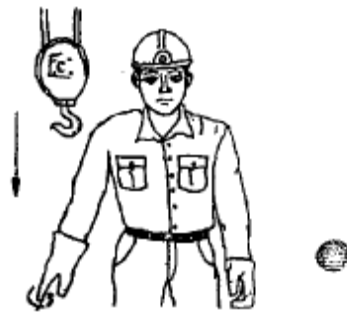
- 1.1 This interplant standard provides basic Hand Signals for the operation of general purpose EOT Cranes in steel industries.
- 1.2 Various standards had signals have been shown pictorially in the subsequent pages of this standard from **Figure 1 to Figure 15**.

FIG. 1



Hoist:-With forearm vertical, forefinger pointing up, move hand in small horizontal circle.

FIG.2



LOWER:-With arm extended downward, forefinger pointing down, move hand in small horizontal circle.

FIG.3



USE LADLE HOIST:-Keep fists parallel wide apart at shoulder level.

FIG.4



USE MAIN HOIST:-Keep palms parallel wide apart at shoulder level.

FIG.5



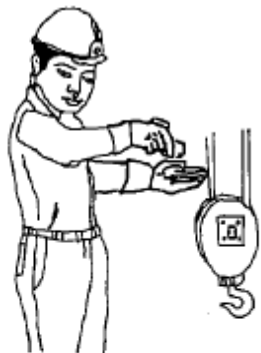
USE AUXILIARY HOIST:-
Keep palms together in front of the body at chest level.

FIG.6



HOIST SLOWLY:-Give the signal for hoisting keeping the left palm above the right forefinger.

FIG.7



LOWER SLOWLY:-Give the signal for lowering keeping the left palm below the right forefinger.

FIG.8



INCHING HOIST

FIG.9



INCHING LOWER

FIG.10



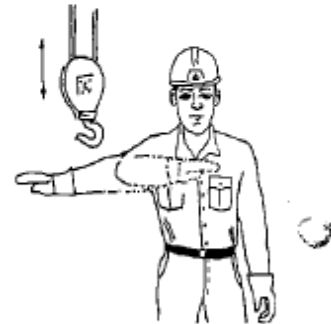
CROSS TRAVEL:-Keep the palm at the shoulder level and move it in the direction of travel required.

FIG.11



CROSS TRAVEL :-Keep the palm at the shoulder level and move it in the direction of travel required.

FIG.12



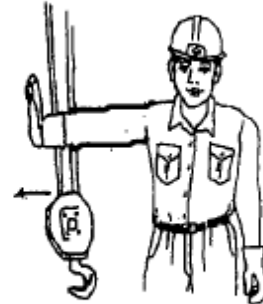
STOP:-Keep palm down near the chest and then swing it horizontally extending the arm hold position rigidly.

FIG.13



LONG TRAVEL:-Keep the palm at the shoulder level and move it in the direction of travel required.

FIG.14



LONG TRAVEL:-Keep the palm at the shoulder level and move it in the direction of travel required.

FIG.15



EMERGENCY STOP:-Keep the arms crossed in front of the body at shoulder level and the palms towards the operator.