

*Indian Standard*

**DESIGN FOR INDUSTRIAL EXPERIMENTATION**

**PART 2 ORTHOGONAL ARRAYS**

*( First Revision )*

**1 SCOPE**

This standard ( Part 2 ) provides methods of planning and conducting experiments using orthogonal array (OA ) tables when all the factors are either at two levels or at three levels. The procedure is also discussed when some of the factors are at two levels and the remaining at three or four levels. It also describes the procedure for the analysis of the data and selection of the optimum level of each factor.

**2 REFERENCES**

The following standards contain provisions, which through reference in this text constitute provisions of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

<i>IS No.</i>	<i>Title</i>
6200 (Part 1): 2003	Statistical tests of significance: Part 1 t-, Normal and F-tests
7920 (Part 3): 1996	Statistical vocabulary and symbols: Part 3 Design of experiments
4905:1968	Methods for random sampling