



NATIONAL PETROCHEMICAL COMPANY
STANDARDS

CONSTRUCTION STANDARD
FOR
ERECTION & PRECOMMISSIONING OF
ROTATING EQUIPMENTS AND MACHINERY
NPCS-CS-RE-01

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1 SCOPE

The work shall consist of transportation of equipment and accessories from client's, stores to site, assembling the parts or sub-assemblies and erection of equipment on prepared foundations. For rotating equipment to be erected under the scope of contract, wherever required, drilling and tapping of holes in the baseplate for fixing drives, enlarging of pilot bores of coupling to the correct size with key-ways for fixing on shafts, dowelling including fixing of dowel pins or similar arrangements for retaining the alignment shall be carried out by the contractor as a part of erection work. If required, foundation shall be chipped and prepared prior to installing equipment. Defects due to contractor's fault noticed during construction shall be rectified by him.

2 DRAWINGS, SPECIFICATION AND CODES

The following drawings will be provided by the client, which are to be followed for erection of each equipment.

- a) General arrangement drawings with outline dimensions including foundation detail.
- b) Manufacturer's manual/erection drawings.

Besides the above, instruction manuals and other literatures furnished by the manufacturers will be available with the Engineer-in-Charge which should be followed for installation of the equipment and the allowable tolerances.

3 ERECTION OF ROTATING EQUIPMENT & MISCELLANEOUS MACHINERY

- 3.1 Till the time of erection, machinery stored in open yard shall be covered with plastic sheeting. Machine parts shall be kept minimum of 10 cm above the ground.

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