

INDUSTRIAL CHIMNEYS

LOHAAR is one of the leading manufacturers and suppliers of industrial Chimneys and Stacks in hundreds of different industries and applications throughout the world. Our solutions are available in various sizes and designs to suit our clients' specifications. and manufactured by the use of high grade raw material having excellent finishing even chimneys are subjected to rigorous tests and inspections so as to meet the International qualitative standards.

which is the cornerstone of our success and has helped us in achieving maximum customer satisfaction. We are able to cater a wide client base because our industrial process equipment not just meets our client's expectation but surpass it. Its become possible because of our stringent quality tests that we undertake with the help of our quality testing lab and designed as per IS 6533. As our chimneys provide various salient features such as durability, availability at most competitive prices, low maintenance, efficiency etc., these are highly sought after by our clients.



The design of steel chimney can be done as two types:

(i) SELF-SUPPORTING STEEL CHIMNEYS

When the lateral forces (wind or seismic forces) are transmitted to the foundation by the cantilever action of the chimney, then the chimney is known as self-supporting chimney. The self-supporting chimney together with the foundation remains stable under all working conditions without any additional support. A self-supporting chimney is shown in Fig. The self-supporting chimneys are made up to 10 m diameter and from 50 m to 100m in height.



(ii) GUYED STEEL CHIMNEYS

In high steel chimneys, the mild steel wire ropes or guys are attached to transmit the lateral forces. Such steel chimneys are known as guyed steel chimneys. In guyed steel chimneys, all the externally applied loads (wind, seismic force, etc.) are not totally carried by the chimney shell. These attached guys or stays do share these applied loads. These guys or stays ensure the stability of the guyed steel chimney. These steel chimneys may be provided with one, two or three sets of guys. In each set of guys, three or four or sometimes six wires are attached to the collars. When one set of guy is used, then the guys are attached to a collar at one-third or one-fourth of the height from the top. When- more than one set of guys are used, then these are used at various heights.

