

First move of ASPEN plant ends in success

The first move of a Cosmodyne portable ASPEN air separation plant has ended in success. BOC Pakistan Ltd., owner of a 30 tpd ASPEN 1000, transported its plant from Hub (adjacent to port of Karachi) to Lahore, Pakistan. Originally installed in mid-1996, the ASPEN was scheduled to operate at the Hub location until a 110 tpd BOC plant was completed. The move occurred in late 1998, after 18 months of service.

The 800 km (500 mile) journey to Lahore began with the tear down and loading of the plant components onto six trucks, a feat that took only five days. From there, the truck caravan trekked over narrow and bumpy roads to its northern destination. (See map for travel route.) Upon arriving in Lahore 10 days later, the plant was erected on its concrete foundation and became fully operational 15 days later. In all, the plant move and subsequent commissioning took about four weeks.

While in Hub, the ASPEN plant was used to produce oxygen, nitrogen and argon for the merchant market. The oxygen was used by the ship breaking industry to cut and disassemble ships, whose parts were then sold. The argon was used for specialized welding and physician applications and the high-quality nitrogen was used for inerting, pharmaceutical and fertilizing applications.



The ASPEN plant is currently producing liquids for the merchant market in Lahore, including the local medical industry.

“The ASPEN was conceived as a greenfield plant; it can be put up anywhere on a simple concrete foundation where power and water are available. The modular design allows it to be moved quickly and easily to accommodate changing market demands. The transportability of the ASPEN is one of its key features, and the move from Hub to Lahore has demonstrated that this innovation works,” said Cosmodyne’s Joan Boitano. ❄️

For more information about ASPEN plants, contact Joan Boitano at Cosmodyne, tel +1.310.320.5650, fax +1.310.320.5688 or info@cosmodyne.com.



Along with other plant components, BOC Pakistan’s air treatment module (ATM) was transported from Hub to Lahore, Pakistan via truck. The ATM contains the equipment for chilling, dehumidifying, and purifying the process air before it enters the cold box.



Cosmodyne’s ASPEN 1000 air separation plant was originally installed at the BOC Pakistan’s facility in Hub, Pakistan (shown here). After 18 months of service at this location, the plant was transported 800 km (500 miles) northeast to Lahore where it currently operates.

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