

## Allen Buildwell introduces Penta Portable concrete plant

Allen Buildwell Pvt Ltd (ABPL) is part of Buildwell group of companies manufacturing various construction equipment since the year 1975.

The large infrastructure projects in India require many special equipment specified in the tenders by foreign consultants which is not available locally. Allen Buildwell is well equipped to step into this lacunae.

Allen Buildwell has a well-balanced team of engineers' representing foreign manufactures, offering time-tested equipment suitable for Indian site conditions backed by ready service and spares through trained engineers.

The equipment from Allen Buildwell include:

**Penta Italia:** - Portable concrete batching plant and mixing plants now locally assembled in India.

**Dieci S.r.l. Italy:** - tunnel dumpers and self-loading concrete mixers.

**Ocuoghi Italia:** - mixing batching plant and grouting equipment

**Power Curbers Inc USA:** Automatic slipform paver for curbs, gutter, sidewalk, etc.

**Guntert and Zimmerman inc USA:** Slipform concrete pavers used in pavement construction.

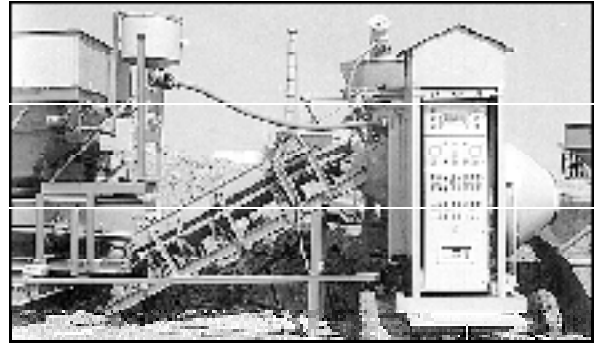
Most contractors found (specially NHAH contractors) have problems getting concrete for minor bridges, culverts, drain, etc.

Hence, Penta 750 and 1500 P portable concrete plant was designed and manufactured and 15 m<sup>3</sup>/h and 30 m<sup>3</sup>/h, requiring no foundation. It can be erected and commissioned within 24 hours and shifted from site to site in 2 normal trucks and equipped with state-of-art microprocessor system which ensures high accuracy.

The mixer discharge height can be adjusted from 2.3 to 3.6 m. This makes the plant versatile and discharge into transit mixer, pumps and dumptrucks.

### Cement weighing system

**Above the mixer:** A separate conical hopper (with vibrator) on load cell is mounted above the mixer unit receiving cement from inclined screw conveyor and discharging weighed cement directly by gravity discharge into the mixer. This separate weigh-



The Italian design conforms to MOST requirements

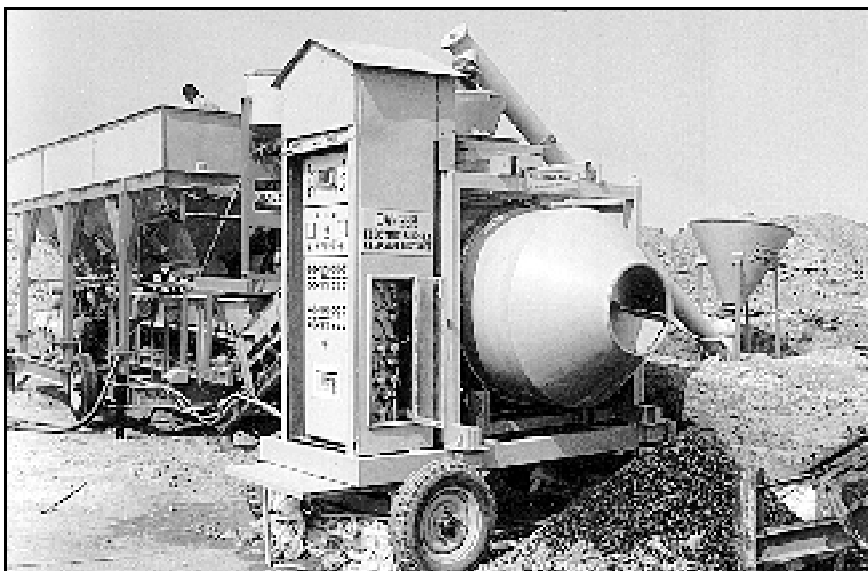
ing of cement is carried out simultaneously with the weighing of the aggregates reducing the cycle time of the batch, means more production. Another advantage of this system is that the cement does not come into contact with aggregates or sand before it goes in to the mixing drum, ensuring no sticking of material due to interaction between the cement and the moisture of the sand aggregates.

**On batcher:** The four load cells for the aggregate weigh conveyor is used to weigh the cement in a conical hopper fixed on the weighing conveyor. Feeding of cement into the conical hopper can be either manual or through a screw conveyor (depending on site conditions and requirements). In this system the cement is weighed after the aggregates in series adding to extra time in the cycle per batch. Normally the system is recommended for using the concrete batcher to feed weighed aggregates and cement into the skip of the mixer moving on roller and tracks.

For Indian markets, there are special packages comprising of equipment, technical support for selection of materials, advice from experienced concrete technologists regarding mix design and operation and maintenance.

For more details, please contact:

Allen Buildwell Pvt Ltd  
P-16, Vikas Corporation Compound  
Dr C.G. Road, Near Basant Cinema,  
Chembur, Mumbai 400 074.  
Tel: (022) 5513030  
Fax: (022) 5568044  
E-mail: abpl@bom5.vsnl.net.in  
Website: www.allenbuildwell.com



Penta - specially designed for road contractors