

DOC IPPC 5

ENERGY

A breakdown of the power requirements for the entire plant include:

| Description | Quantity | Power (HP) | Supply Voltage |
|-------------------------------|----------|------------|----------------|
| a. Screw Feeder | 1 | 1 | 415/50 Hz |
| b. Agitator | 1 | 0.75 | 415/50Hz |
| c. Water Pump | 1 | 5.0 | 415/50 Hz |
| d.Acetylene compressor | 1 | 15.0 | 415/50Hz |
| e.Air compressor | 1 | 0.5 | 415/50Hz |
| f. Lighting and power sockets | nil | nil | |

To minimize risk, the acetylene plant is only operated during day duty hours and no light fixtures have been installed. The energy consumption is rated at 63Kw per 1000kgs of acetylene produced. For an annual production of 10,000kgs the electrical energy consumption is < 650 Kw.

No electrical energy is generated on site.