

# BELZONA RECLAIMS HYDRO-ELECTRIC UNIT IN TEA PLANTATION

ID: 132

Industry: Power

Customer Location: Tea Plantation in Sri Lanka

Application: CEP-Centrifugal Pumps

Application Date: October 1993

Substrate: Cast alloy

Products: \* Belzona® 1311 (Ceramic R-Metal) Belzona® 1321 (Ceramic S-Metal) ,

## Problem

Power plant had ceased to be used due to the damaged runner blades. The cost of a new runner was too high to be economic.



## Photograph Descriptions

- \* The corroded runner in-situ ,
- \* Surface preparation complete, the rebuilding can begin ,
- \* The finished job ready for reassembly ,

## Application Situation

Small hydro-electric power unit

## Application Method

Application was carried out in accordance with Belzona Know-How Leaflets CEP-6, CEP-5 and CEP-3.

## Belzona Facts

The cost of replacing the runner would have been \$19,500. No other type of repair was considered viable. The total cost of the repair utilising Belzona® was \$600. There are many such units in the area and several of them have been treated in the same manner. The output of the repaired unit is greater than when the equipment was new.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015

Belzona products are

FS 695214

manufactured under an ISO

ISO 14001:2015

9000 Registered Quality

EMS 695213

Management System.

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