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22739

# Final Report

Project No:

MP/CMR/97/158S.O.N.O.P.O.L

Contract No:

98/076/AV

Dates:

Start 25.07.2002 - Finish 31.05.2002

Address:

SONOPOL

**BP1248** 

DOULALA

**CAMEROUN** 

Beamech Engineers:

Paul Mason

William Doherty

Gary Howard

#### Summary:

### (1) <u>Installation</u>

The Installation of the Liquid CO2 system was carried between 25.07.2001 and 06.08.2001 by Gary Howard. During this visit the machine was also electrically tested.

The CO<sub>2</sub> machine was fully tested calibrated and was dry run by William Doherty and Gary Howard between 19.11.2001 and 06.12.2001.

## (2) <u>Commissioning</u>

The commissioning of the Liquid CO2 system was carried between 10.05.2002 and 31.05.2002 by Paul Mason.

During the commissioning period both UNIDO and the counterpart were pleased with the quality of the foam produced on the machine. The counterpart signed the Foam Acceptance Protocol (attached) when they were satisfied with the 3 different density of foam produced. The foam density's signed for were as follows:

15kg/m³ Density foam produced on 27.05.2002, the machine was run for 2 minuets and 48 seconds.

18kg/m³ Density foam produced on 28.05.2002 the machine was run for 2 minuets.

21kg/m³ Density foam produced on 24.05.2002 the machine was run for 4 minuets

Once the CO<sub>2</sub> system was fully commissioned by Beamech all the formulation and calibration sheets were copied and given to SONOPOL

The Beamech equipment was left in good working order and SONOPOL personnel have been given full training on the equipment.

## (3) Post Commissioning

The equipment supplied by Beamech was fully tested and commissioned to the complete satisfaction of the counterpart.

A final Certificate of Acceptance was signed (attached) by the company Technical Director.

The Counterpart is entirely satisfied with all aspects of the equipment, process and training services.

Due to local conditions the counterpart is studying the costs of local supply of liquid CO<sub>2</sub>.

We hereby confirm in agreement with the counterpart that the project was successful and is completed.

Signed: Shelectel Director Date: 9702.



Tenax Road Trafford Park Manchester M17 1JT England Telephone 0161 848 0316

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Email Address: email@beamech.com

Web Site Address: http://www.beamech.com

# FOAM ACCEPTANCE PROTOCOL

Customer: SO.NO.POL.

Job No. 1228

| Foam   | Density | Foaming Process                        | Date      | Acceptance Signatures |
|--------|---------|--|-----------|-----------------------|
| Grades | Kg/m³   | (Conv./ Maxfoam. / CO-2 <sup>™</sup> ) |           | Customer Beamech      |
|        | 15      | CO-2                                   | 31/05/200 | 2 Golden Hoom         |
|        | 18      | CO-2                                   | 28/05/pue | 200 1. No-            |
|        | 21      | CO-2                                   | 27/05/Zuz | Other.                |
|        |         |  |           | SC                    |
|        |         |  |           | P. F.                 |

Beamech Group Ltd.

Manchester

# Certificate of Acceptance

UNIDO Contract Number:

98/076

Project Number:

MP/CMR/97/158

Equipment:

CO-2 Plus

Serial Number:

1228

Customer:

SONOPOL Cameroon.

We hereby confirm that all works and training regarding the equipment supplied by Beamech Group Ltd. has been completed to our satisfaction and this equipment is capable of mass production.

1248

DOUALA

Signed on behalf of Sonopol

OUN SORA MATHA

Position in company Anactor And 4

TOTAL P.02