



TOGETHER
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24/7/03

*Dr. B. G. G.
erhalten
in wie für
Abrechnung*

A **Bayer**  Company 4p.

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Unsere Zeichen
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Sankt Augustin
2003-07-15



Subject: Final Report, to contract 02 / 006 our reference A 0100-1305
UNIDO Purchase Order No. 16000022
UNIDO Project No. MP/IRA/01/138

**COMMISSIONING AND FINAL REPORT
PHASING OUT CFC-11 IN THE MANUFACTURING OF RIGD PU FOAM
THROUGH THE USE OF 141b BLOWING AGENT**

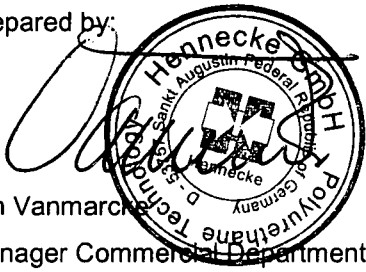
Zarifan Mashad

*Certificate of acceptance of
terms signed by the
counterpart is not attached*

Prepared by:

i.V.

Jan Vanmarcke
Manager Commercial Department
(in absence of Mr. Croiset)



1. Introduction
2. Installation
3. Dry run
4. Start-up and commissioning
5. Existing equipment dismantling
6. Recommendations for future projects

1. INTRODUCTION

The equipment was shipped end of 2002 to Iran and after customs clearance it was brought to Zarifan in the city of Mashad. Due to the war in Iraq and subsequent travel restrictions the the installation was delayed until June 2003.

No changes have been applied to the original installation plan.

2. INSTALLATION

All the resources for the machine where already prepared by the customer and the installation proceeded without any problems. The machine has been placed next to the foaming fixtures so that with the boom and balancer all the fixtures could be filled with foam.

The time required for the installation by our mechanical and electrical engineer was one week.

3. DRY RUN

After the installation of the mechanical and electrical connections our Process engineer together with the customer has performed the dry run start up and commissioning.

The dry run is performed with all the raw materials loaded whereby the pumps are tested for:

- Leakage
- Pressure output and stability
- Calibration of the pumps

- Electrical and software test
- Mixhead output calibration

Hennecke GmbH

No problems incurred during the dry run testing for the machine.

4. START-UP and COMMISSIONING

The commissioning followed after the dry run testing and good foam was produced immediately. Together with the customer the foam weights have been established as due to the use of a high pressure machine there are changes with respect to the used low pressure machine.

5. TRAINING

After the installation and commissioning the customer was trained in among other the following:

- Machine operation
- Determination of foam weights
- Setting of the machine

6. EXISTING EQUIPMENT DISMANTLING

The existing machines has been removed, destruction of the mixing head and other parts will be done by the local Unido representation together with the customer.

7. RECOMMENDATIONS FOR FUTURE PROJECTS

Customs clearance could take less time in order to speed up the project, notwithstanding the delays due to the Iraq war.



A Bayer Company

Übergabeprotokoll Acceptance report	HA	Adresse: D-53754 Sankt Augustin Sankt Augustin (Birlinghoven) Birlinghovener Straße 30 Telefon: +49-(0)-22 41 / 3 39-0 Telefax: +49-(0)-22 41 / 3 39-2 04
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Montageauftrags-Nr. assembly order no.	<u>A 7240-1305 003</u>	
Montage bei der Firma assembly at	<u>Zarifan - Mashad</u>	
Reisender field engineer	<u>W. Wegner</u>	
Montage ausgeführt assembly carried out	vom <u>16.06.</u>	bis <u>2003</u>
Maschinentyp machine type	<u>Baseline</u>	Maschinen-Nr. machine no.
Art der Arbeit type of work carried out	<u>Commissioning of the Baseline</u>	

Die unter diesem Auftrag bestellten Arbeiten wurden fachgerecht durchgeführt. Installierte Anlagen/Maschinen sind getestet und betriebsbereit übergeben worden. Die Funktionen der Anlage wurden dem Auftraggeber anhand eines Funktionslaufes übermittelt.

The work specified under the above order No has been completed properly. The installed plants/machines were tested and handed over ready for use. The customer was informed of the plant functions by means of a „dry run“.

Folgende Arbeiten müssen noch ausgeführt werden:*)
The following work is still required:*)

6 Pieces of plastic-bottles are left
Hennache has to send new ones.

The Baseline is now ready for production
29.06.03

Datum: _____
(Date)

Auftraggeber: 2003-07-01
(Customer)

Hennecke: W. Wegner

*) Nichtzutreffendes streichen
*) Delete if not applicable

Produktion
 Verkauf
 Konstruktion
 Reisender
 Auftraggeber
 Blatt 1 (weiß)
 Blatt 2 (gelb)
 Blatt 3 (blau)
 Blatt 4 (grün)
 Blatt 5 (altgold)