

Commitment to boost productivity...

Technical Services and Consultancy pay off their efforts:

50% more production at AnnJoo Steel / Malaysia

At AnnJoo Steel / Malaysia – formerly known as Malayawata Steel Bhd – the joint efforts of continuously increasing the productivity from 19 heats per day have hit the next level of achievement: 29 heats record for the first time in AnnJoo history. In addition a monthly production record has been achieved: 67,800 t in the months of August 2007.

PART I:

Revamping of EAF to drive Productivity

IN NOV 2001, BSE AND MALAYAWATA ENTERED INTO A FIRST AGREEMENT...

... to modernize and optimize the EAF with the following principles:

- ⊙ Increase tapping weight from 80 to 90 t
- ⊙ Reduce bucket charge from 3 to 4 buckets to 2 buckets
- ⊙ Delivery of Door Lance Manipulator (LM), Temperature Sampling Manipulator (TSM) and Current Conducting Electrode Alu Arm

BSE have been awarded to provide the engineering service followed by delivery of equipment in June and supporting start-up, realized in November 2002.



With the motivated staff and highly committed workshop, BSE is confident that the next level of achievement at AnnJoo will take place under the future change in process with the Hot Metal. BSE wishes AnnJoo all the best for their bright future.

PART II:

Agreement relating to EAF Operation - CONCEPT

IN OCTOBER 2004, BSE AND MALAYAWATA ENTERED INTO A FIRST AGREEMENT...

.... of systematically carrying out a study with a view of technological and productivity improvements for EAF operation. This Study focuses from the areas of raw material preparation to the production of billets...

... and to enable the optimum levels of technology transfer to be carried out by end of the study

“(...) and by engaging BSE’s services we know what we get (...) just because the commitment of their staff is unique and leads always to deliver the promises (...)”

20th September 2007, Yoong WM, AnnJoo Steel / Malaysia (when being asked about their view and experience with BSE)

PART III:

Agreement relating to EAF Operation - REALIZATION

IN JUNE 2005, BSE AND MALAYAWATA ENTERED INTO A 3 YEAR AGREEMENT ...

... with the aim to further boost productivity in order to reach 900,000 t/y...

Some of BSE’s activities are listed below:

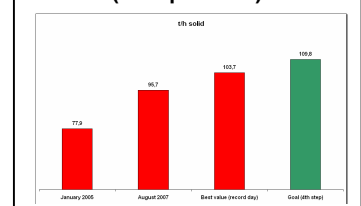
- ⊙ Management Seminar
- ⊙ Operator & Maintenance Seminars
- ⊙ Special Seminars at site
- ⊙ Regular Check-ups at site
- ⊙ Technical Assistance at site
- ⊙ Close interaction in technical support for implementation of improvement suggestions

RESULTS/BENEFITS

The ongoing support of BSE pays off its efforts ...

- ⊙ From 19 heats/day to 26 heats/day (achieving 700,000 t/y in 2007)
- ⊙ Achieving record of 29 heats/day
- ⊙ Reporting record months of 67,800 t/month in August 2007

Development of productivity (tons per hour)



Contact:
e-mail Carsten.Pfundstein@bse-kehl.de
Phone ++49-7851-877-119



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Badische Stahl-Engineering GmbH
Robert-Koch-Straße 13
D-77694 Kehl/Germany
Phone (+49) 78 51/877-0
Fax (+49) 78 51/877-133
eMail info@bse-kehl.de
www.bse-kehl.de



BSE America
1811 Sardis Road North, Suite 210
Charlotte, NC 28270
Phone (704) 553-1582
www.bse-america.com



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