



स्टील अथॉरिटी ऑफ इण्डिया लिमिटेड  
STEEL AUTHORITY OF INDIA LIMITED  
भिलाई इस्पात संयंत्र  
BHILAI STEEL PLANT

No: DGM (O)/BFs/09/239

Date: August 06, 2009

**To Whom So ever, it may Concern**

**Subject: Performance Certificate of Supply & Application of Blast Trough Castable in BF No: 5, Tap Hole No:1 , Bhilai Steel Plant, Steel Authority of India Limited.**

Our Ref No: A/T No:

1. For Supply: 01/BHI-07/85.4/(016)/20704865 dtd 29/10/2007
2. For Application: 01/BHI-07/85.4(016)/20704866 dtd 29/10/2007

We have placed captioned order on M/s Tata Refractories Limited, Belpahar for 300 MT supply & application of Blast Furnace Trough Castable for BF No: 5, Tap Hole no: 1 for 10 repairs.

**Purchase Order Terms:**

Repair Time Allocated= 96 hours

Min. Straight Life Guaranteed= 1,20,000 Tons of Hot Metal Throughput (THM)

Performance of M/s Tata Refractories Limited at BF: 5, Tap Hole No: 1.

Repair No	Repair Time Executed	Trough Castable Used	Life Achieved (in THM)	Achieved On
1 <sup>st</sup> Repair	82 hours	30 MT	1,27,588	21 <sup>st</sup> Jan 2008
2 <sup>nd</sup> Repair	70 hours	30 MT	1,47,983	31 <sup>st</sup> March 2008
3 <sup>rd</sup> Repair	70 hours	30 MT	1,20,212	4 <sup>th</sup> June 2008
4 <sup>th</sup> Repair	70 hours	30 MT	1,23,977	10 <sup>th</sup> August 2008
5 <sup>th</sup> Repair	70 hours	30 MT	1,22,254	4 <sup>th</sup> Oct 2008
6 <sup>th</sup> Repair	70 hours	30 MT	1,28,353	1 <sup>st</sup> Dec 2008
7 <sup>th</sup> Repair	70 hours	30 MT	1,24,291	3 <sup>rd</sup> Feb 2009
8 <sup>th</sup> Repair	70 hours	30 MT	1,27,550	6 <sup>th</sup> April 2009
9 <sup>th</sup> Repair	70 hours	30 MT	1,22,349	4 <sup>th</sup> June 2009
10 <sup>th</sup> Repair	76 hours	30 MT	Running at 1,22,962	As on 5 <sup>th</sup> August 2009 at 6 AM.
<b>Net /Total</b>	<b>Throughput</b>	<b>Achieved</b>	<b>12,67,519</b>	<b>Tons of Hot Metal</b>

Total Throughput in Tons of Hot metal,

Achieved as on 5<sup>th</sup> August 2009 at 6 AM = 12, 67,519 THM

We hereby certify that M/s TRL Performance is Very Satisfactory

For Bhilai Steel Plant, SAIL.

(Shankar Dutta)

Dy.General Manager(O),BFs