


Date: <b>00/04/14</b>	<b>Material Specification for Sand Filling for Slide Gate</b>	 <b>IRAN ALLOY STEEL CO.</b>
Rev.: <b>01</b>		
ID code : <b>N-063411.Y</b>	Area : <b>Ladle</b>	Storage site : <b>PU17</b>
<b>General properties</b>		
<b>Basic Components:</b> <b>Chromite - Silica</b>		<b>Bonding System:</b> <b>Sintered Banding</b>
<b>Classification:</b> <b>Ladle Well Filler</b>		
<b><u>Chemical composition (wt. %) :</u></b>  MgO      Max 10 CaO      Max 0.5 SiO <sub>2</sub> Max 25 Al <sub>2</sub> O <sub>3</sub> Max 15 Cr <sub>2</sub> O <sub>3</sub> Min 35 Fe <sub>2</sub> O <sub>3</sub> Max 20 C         Max1 Moisture Max 0.5	<b><u>Fig.</u></b>	
	<b><u>Map no.:</u> -</b>	
<b><u>Sieve analysis /Dimension:</u></b> Under 2mm (100%)		
<b><u>Physical properties :</u></b>		
Bulk Density	kg/m <sup>3</sup>	2100-2400      Flow ability by BS Scunthorpe method : 70 Seconds
Appearance Porosity	%	-
<b><u>Mechanical/Thermal properties:</u></b>		
Permanent Linear Shrinkage at 1600 ° C	%	-
Cold Crushing Strength	kg/cm <sup>2</sup>	-
Refractoriness Under Load	° C	-
Hot Modulus of Ruptur	kg/cm <sup>2</sup>	-
Thermal Conductivity	W/m .° k	-
Thermal Expansion	%	-
Thermal Shock Resistance	cycle	-
Max Service Point	° C	<b>1700</b>
<b><u>Remark:</u></b>		
<b><u>Packing:</u></b> 10kg in humidity Proof Valve bags		
Shelf life: <input checked="" type="checkbox"/> 1 Year      NA <input type="checkbox"/>		
<b><u>Life time:</u> -</b>		
<b><u>Quality Check:</u></b>		
Certificate from supplier and laboratory test		
<b>Edited:</b> Eslampour Mahdi	<b>Checked:</b> Saffarzadeh Vahid	<b>Approved:</b> Jafarzadeh Mohammad Ali