

## Schedule

S.No	TECHNICAL DELIVERY CONDITION	Qty ( Kg)	Vendor Comments
01	<p><b>POROSINT MORTAR WITH LIQUID BINDER</b></p> <p><b>1. SCOPE:</b> This specification covers requirements for porosint Mortar + Liquid Binder suitable for refractory Application.</p> <p><b>2. MATERIAL</b></p> <p>Material shall conform to the following details:</p> <p><b>2:1 GENERAL PROPERTIES</b></p> <p>Product : Porosint Mortar with Binder Liquid</p> <p>Type : 35% Alumina High Strength Mortar</p> <p>Nature of Bond : Air setting</p> <p>Max service temperature : 1500 °C</p> <p>Sintering temperature : 1100 °C</p> <p>Maximum grain size : 0 – 0.5 mm</p> <p>Binder (Sp.Gr. 1,2) for troweling</p> <p>Consistency : 33-35% by weight ( test method to be Mentioned by vendor</p> <p><b>2:2 CHEMICAL ANALYSIS,%</b></p> <p>Al<sub>2</sub>O<sub>3</sub> : 35 Min</p> <p>SiO<sub>2</sub> : 57 Max</p> <p>Fe<sub>2</sub>O<sub>3</sub> : 1 Max</p> <p>TiO<sub>2</sub> : 1 Max</p> <p>CaO : Traces</p> <p>Chemical properties to be tested as per IS:1527</p> <p><b>2:3 PHYSICAL PROPERTIES</b></p> <p>Cold bonding strength, kg/cm<sup>2</sup> : 12 min As Per IS 11452</p> <p>% Retained above maximum size: 5 max. As per IS 1528 (Part -14)</p> <p><b>2:4 THERMAL PROPERTIES</b></p> <p>Pyrometric cone equivalent, Orton/ °C : 30/ 1665 min. IS:1528 ( Part-1)</p> <p><b>3. PACKING:</b> The powder shall be packed in 25/50 kg HDPE lined bags. Liquid binder to be supplied in plastic / suitable containers as per vendor's recommended practice.</p> <p><b>4. SHELF LIFE :</b> Minimum 12 months</p>	5000	
02	<p><b>MORTAR 60S ( FOR AC 60 A(P) )</b></p> <p><b>1. SCOPE:</b> This specification covers requirements for porosint Mortar + Liquid Binder suitable for refractory Application.</p> <p><b>2. MATERIAL</b></p> <p>Material shall conform to the following details:</p> <p><b>2:1 GENERAL PROPERTIES</b></p> <p>Product : MORTAR 60S ( FOR AC 60 A(P) )</p> <p>Type : 60% ALUMINA MORTAR ( LOW IRON )</p> <p>Nature of Bond : CHEMICAL CERAMIC</p> <p>Max service temperature : 1650 °C</p> <p>Sintering temperature : 1100 °C</p> <p>Maximum grain size : 0.5MM</p>	5000	

Consistency : 33-35% by weight ( test method to be Mentioned by vendor)		
<b>2:2 CHEMICAL ANALYSIS,%</b>		
Al <sub>2</sub> O <sub>3</sub> : 60 Min IS 1527		
Fe <sub>2</sub> O <sub>3</sub> : 2.2 MAX		
Chemical properties to be tested as per IS:1527		
<b>2:3 PHYSICAL PROPERTIES</b>		
WATER FOR TROWELLING.% : 25-30 , SPECIFICATION: TP/037 , Ace Procedure		
WATER FOR RAMMING % : 10-12 SPECIFICATION - IS:10570		
%RETAINED ABOVE MAXIMUM SIZE: 5% max above 0.5mm SPECIFICATION:- IS:1528 (part-14)		
<b>2:4 THERMAL PROPERTIES</b>		
Pyrometric cone equivalent, Orton/ °C : 35/1785 min. IS:1528 ( Part-1)		
<b>3. PACKING:</b> The powder shall be packed in 25/50 kg HDPE lined bags. Liquid binder to be supplied in plastic / suitable containers as per vendor's recommended practice.		
<b>4. SHELF LIFE :</b> Minimum 12 months		
Packaging: 25kg bags	Storage life: 12 Months	Delivery state: dry