

## Schedule

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

	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		