

		Bharat Heavy Electricals Ltd Boiler Auxiliaries Plant Ranipet - 632 406		EDC / AIR PREHEATERS TECHNICAL SPECIFICATION Effective Date: 06.02.2017	
Specification No : APSQ – 039			Rev. No : 06		Page No : 01 of 01
01.	Item		CERAMIC FIBER BLANKET INSULATION		
02.	Material code		96 210 225 0000		
03.	Application		Used in Air Preheater Static Seals.		
04.	Applicable Standard		ASTM C 892		
05.	Grade & Colour		Grade 8 & White Colour		
06.	Size		25 x 610 x 7620 mm		
07.	Tolerance		As per ASTM C 892		
08.	Continuous Use Temperature		1160°C		
09.	Chemical Combination	a) Al ₂ O ₃	42 - 47 %		
		b) Si O ₂	51 - 57 %		
		c) Fe ₂ O ₃	0.1 % maximum		
		d) Ti O ₂	0.3 % maximum		
		e) Leachable Chlorides	Less than 10 ppm		
10.	GENERAL a) Only latest revision shall be referred for all the standards specified. b) Blankets to be rolled, wrapped in Polythene sheet and packed in cartons.				
11.	INSPECTION a) Inspection by BHEL. b) The following tests shall be carried out and the test reports to be submitted.				
	Test	Quantum of Check	Tests as per	Acceptance Norm	Reporting
i.	Bulk Density	Once in 2 hours	IS 14656	ASTM C 892	2 Hourwise & Datewise
ii.	Dimension	Twice in 8 Hours	---	ASTM C 892	4 Hourwise & Datewise
iii.	Tensile Strength	Once in a day	IS 14656	55 KPa (min)	Datewise
iv.	Chemical composition	Once in a month as Type Test	---	APSQ 039	Actual Value
v.	Linear Shrinkage at 1160°C	Once in a day	IS 14656	3.2% (max)	Actual Value
06	06.02.17	(Sd) VMR	(Sd) SCH	(Sd) RSB	Reviewed & re-affirmed.
05	16.12.10	(Sd) SCH	(Sd) KP	(Sd) PPS	Reviewed & re-affirmed.
04	20.04.02	(Sd) RR	(Sd) PPS	(Sd) GRV	Page modified
03	20.10.00	(Sd) GA	(Sd) PPS	(Sd) GRV	Specification modified & pages reduced from 03 to 02.
02	29.11.97	(Sd) SB	(Sd) PPS	(Sd) GRV	Updated based on suppliers' catalogue.
01	30.06.93	(Sd) VAS	(Sd) PPS	(Sd) RSM	APSQ Number was 134. Cover Page Introduced.
00	11.11.88	(Sd) VAS	(Sd) PPS	(Sd) RSM	First Issue
Rev.No	Date	Prepared	Checked	Approved	Record of Revisions.