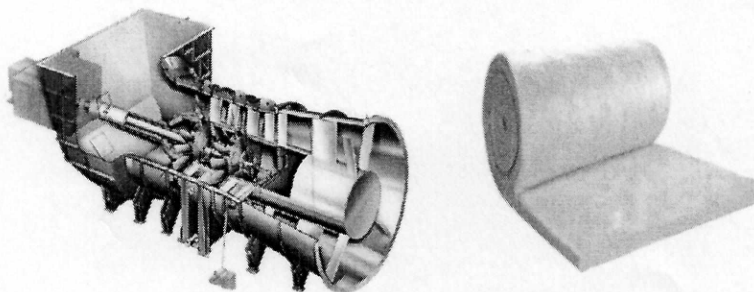




BHARAT HEAVY ELECTRICALS LIMITED
BOILER AUXILIARIES PLANT
RANIPET-632406

FANS ENGINEERING DEPARTMENT

SPECIFICATION ON RESIN BONDED FIBREGLASS WOOL



00					
Rev.no	VIKRAM SINGH	A RAJU	PRASANTA SAHA	Rakesh kr Madhu	REMARKS WITH DATE
	PREPARED	CHECKED	APPROVED	SIG.QA	

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ONLY LATEST REVISION SHALL BE REFERRED FOR ALL THE STANDARDS SPECIFIED.

DESCRIPTION	SPECIFICATION NUMBER	PAGE 01 OF 03
RESIN BONDED FIBREGLASS WOOL	TFN: 313	REVISION NO:00 DATE: 19/12/19



RESIN BONDED FIBREGLASS WOOL

TFN NO:313

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1. TECHNICAL SPECIFICATION

MATERIAL	: RESIN BONDED FIBERGLASS WOOL.
STANDARD/ CODES TO FOLLOW	: IS 8183:93/IS 3144:92 OR EQUIVALENT.
PHYSICAL FORM	: ROLLS WITH 1.2m WIDTH, LENGTH CAN BE 7.5m TO 20m DEPENDING ON THICKNESS OF THE MATERIAL.
NOMINAL BULK DENSITY	: 32 kg /m ³ .
THICKNESS	: 12, 25,40,50,75 mm.
THERMAL CONDUCTIVITY	: 0.032 AT 25 °C MEAN TEMPERATURE.

2. PROPERTIES

NON COMBUSTIBILITY	: NON COMBUSTIBLE AS PER BS 476 PART 4 OR EQUIVALENT.
IGNITIBILITY	: CLASS P (NOT EASILY IGNITABLE MATERIAL) AS PER BS 476 PART 5 OR EQUIVALENT.
HEAT RESISTANCE	: AS PER IS 8183:93 OR EQUIVALENT.
SURFACE SPREAD OF FLAME	: NIL.CLASS I AS PER BS 476 PART 7 OR EQUIVALENT.
FIRE PROPAGATION	: CLASS 'O' [INDEX I<12, SUB -INDEX i1<6]. CONFORMS TO BS BS 476 PART 6 AND 7 OR EQUIVALENT.
TOXICITY	: NON TOXIC AS PER BS 6853 OR EQUIVALENT.
MOISTURE CONTENT	: <2%.CONFORMS TO IS 3144\IS 8183 OR EQUIVALENT.
SHOT CONTENT	: <2%.AS PER IS 3144\IS 8183 OR EQUIVALENT.
RECOVERY AFTER COMPRESSION	: ≥ 90%
SULPHUR\CHLORIDE CONTENT	: <0.6%. CONFORMS TO IS 3144\IS 8183 OR EQUIVALENT.
MOULD GROWTH	: CONFORMS TO IS 3144\IS 8183 OR EQUIVALENT.
CHEMICAL	: NEITHER ACIDIC NOR BASIC, CHEMICALLY INERT.

VIKRAM SINGH	A RAJU	PRASANTA SAHA	Rakesh kr Madhu	REMARKS WITH DATE	PAGE 2/3
PREPARED	CHECKED	APPROVED	SIGN. OF QA		



RESIN BONDED FIBREGLASS WOOL

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3. GENERAL REQUIREMENT

MANUFACTURING QUALITY PLAN

: REQUIRED. APPROVAL BY BHEL PRIOR TO
MANUFACTURING.4. TESTING & INSPECTION

INSPECTION BY BHEL

: AS PER PO CONDITION.

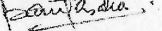
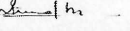
TEST CERTIFICATE

: TEST TO BE CONDUCTED IN NABL ACCREDITED
LABORATORY FOR THE ABOVE PROPERTIES AND
REPORT TO BE SUBMITTED PRIOR TO MATERIAL
DISPATCH.5. PACKING

FIBREGLASS WOOL ROLLS TO BE WRAPPED IN POLYETHYLENE SHEETS AND PUT IN HDPE WOVEN BAGS.

6. DOCUMENTS

QUALITY PLAN & TEST CERTIFICATES

 VIKRAM SINGH	 A RAJU	 PRASANTA SAHA	 Rakesh kr Madhu		
PREPARED	CHECKED	APPROVED	SIGN. OF QA	REMARKS WITH DATE	PAGE 03/03