



ITEM (MATERIAL, CLASS, GRADE, RATING, RANGE, SIZE ETC.)
POURABLE INSULATION
(FOR BOILER APPLICATIONS)

STANDARD QUALITY PLAN
CONFORMING TO CODE: IS 11308

QP NO.: 0000-999-QOM- S - 066
REV. NO: 00 DATE : 25/10/2013
PAGE 1 OF 2
VALID UPTO : 24/10/2016

REVIEWED BY:
N.H.S.SHARAD
RAJEEV GARG
K.K.CHALTOPADHYAY


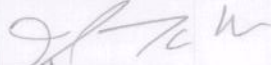

APPROVED BY:
I.GOWRISHANKAR

SI NO	COMPONENT & OPERATION	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK		REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD		AGENCY			REMARKS
					M	C/N				D*	M	C	N	
1	2	3	4	5	6		7	8	9	D*	** 10			11
1.0 Materials														
1.1	Calcined Material	Chemical Properties	Major	Lab analysis	1/ Batch	1/ Batch	As per supplier/manufacturer standard	As per supplier/manufacturer standard	MTC		P	V	-	
1.2	Cements	Chemical Properties	Major	Lab analysis	1/ Batch	1/ Batch	As per supplier/manufacturer standard	As per supplier/manufacturer standard	MTC		P	V	-	
2.0 In-process Inspection														
2.1	Aggregate Mixture	Physical properties	Major	Lab analysis	1/ Batch	1/ Batch	As per supplier/manufacturer standard	As per supplier/manufacturer standard	MTC		P	V	-	
3.0 Final Inspection														
3.1	Chemical composition (Fe ₂ O ₃ : 5% Max)	Chemical properties	Major	Lab analysis	Appendix B of IS11308	Appendix B of IS11308	Appendix-A of IS:11308/ IS:12107 Part-6/NTPC Tech.Spec.	Appendix-A of IS:11308/ IS:12107 Part-6/NTPC Tech.Spec. /P.S.	MTC		P	W	V	Note 3
3.2	Bulk density at 110°C & 500°C	Physical properties	Major	Lab analysis	Appendix B of IS11308	Appendix B of IS11308	IS:11308/IS: 5688/NTPC Tech.Spec.	IS:11308/IS: 5688/NTPC Tech.Spec. /P.S.	MTC		P	W	W	
3.3	Compressive strength (At 110°C & 500°C)	Physical properties	Major	Lab analysis	Appendix B of IS11308	Appendix B of IS11308	IS:11308/IS: 5688, IS: 1528 Part-4/ NTPC Tech.Spec.	IS:11308/IS: 5688, IS: 1528 Part-4/ NTPC Tech.Spec. /P.S.	MTC		P	W	W	
3.4	Permanent linear change at 650°C	Thermal test	Major	Lab analysis	Appendix B of IS11308	Appendix B of IS11308	IS:11308/IS:1528 Part-6/NTPC Tech.Spec.	IS:11308/IS:1528 Part-6/NTPC Tech.Spec. /P.S.	MTC		P	W	W	
3.5	Thermal conductivity at 250°C & 500°C	K value	Major	Lab analysis	Appendix B of IS11308	Appendix B of IS11308	IS:11308/IS:9490/NTPC Tech.Spec.	IS11308/ IS:9490/NTPC Tech.Spec. /P.S.	MTC		P	W	W	
4.0	Packing & Identification	Protection	Major	Visual	100%	100%	As per P.S.	As per P.S.	-		P	V	-	Note-4

LEGEND: * RECORDS, IDENTIFIED WITH "TICK" (✓) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION.
** M: MANUFACTURER / SUB-SUPPLIER C: MAIN SUPPLIER, N: NTPC P: PERFORM W: WITNESS AND V: VERIFICATION.
AS APPROPRIATE, CHP: NTPC SHALL IDENTIFY IN COLUMN "N" AS 'W'.

FORMAT NO.: QS-01-QAI-P-10/F3-R1

ENGG. DIV./QA&I

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	POURABLE INSULATION (FOR BOILER APPLICATIONS)		REV. NO: 00 DATE : 25/10/2013 PAGE 2 OF 2 VALID UPTO : 24/10/2016	RAJEEV GARG  K.K.CHATTOPADHYAY	

LEGEND: MTC - Manufacturer's Test Certificate, P.S - Purchase Specification

Note 1 - The grade/type of Pourable Insulation shall be as per NTPC Purchase Specification. The Purchase Specification must include acceptance norms/values in accordance with the recommendations of the Original Boiler Manufacturer/Supplier.

Note-2: The latest revisions/year of issue of all the IS indicated in the SQP shall be referred.

Note-3: All review documents shall be submitted during witness/final inspection to Main Contractor-QC/ Main Contractor Authorized Inspection Agency /NTPC

Note 4: The following shall be legibly printed on the Hessian bags for proper identification: Suppliers name, Customer No/ Project, Purchase Order Number & Manufacturing date, Batch Number, Material name & Net Weight in Kgs with proper instructions for handling.

Note-5: This SQP is valid for material procured from following vendors:

A. M/s ACC, Katni, B. Dalmia Refractories, Dalmiapuram, C. Bhaskar Refractories & Stoneware Pipes, Faridabad, D. M/s Mahakoshal Refractories Pvt. Ltd., Katni, E. Souvenior Ceramics Ltd., Faridabad

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