
		ITEM (MATERIAL, CLASS, GRADE, RATING, RANGE, SIZE ETC.) LRB WOOL MATTRESS (FOR BOILER APPLICATIONS)		STANDARD QUALITY PLAN CONFORMING TO CODE: IS 8183			QP NO.: 0000-999-QOM-S-065 REV. NO: 00 DATE: 25/10/2013 PAGE 1 OF 4 VALID UPTO: 24/10/2016		REVIEWED BY: N.H.S.SHARAD RAJEEV GARG K.K.CHATTOPADHYAY		APPROVED BY: I.GOWRISHANKAR			
		S/N/O	COMPONENT & OPERATION	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK		REFERENCE DOCUMENT	ACCEPTANCE NORMS		FORMAT OF RECORD		AGENCY
1	2	3	4	5	6		7	8		9	D*	** 10		11

1.0 Materials														
1.1	Raw material (Rock wool)	Chemical	Major	Lab analysis	sample / lot	1 sample / lot	As per supplier/manufacture standard	As per supplier/manufacture standard	MTC		V	-	-	
1.2	GI wire netting Wire (Upto 400 deg. C)	Wire dia & dimension of netting	Major	Measurement	IS:3150 Append 'A'	IS:3150 Append 'A'	IS:3150/NTPC Tech. Spec.	IS:3150/NTPC Tech. Spec./NTPC approved datasheet	MTC		P	W	V	
		Chemical	Major	Lab analysis	IS:3150 Append 'A'	IS:3150 Append 'A'	IS:280, IS:7887/NTPC Tech. Spec.	IS:7887/ NTPC Tech. Spec. /NTPC approved datasheet	MTC		P	V	V	
		Tensile	Major	Lab analysis	IS:3150 Append 'A'	IS:3150 Append 'A'	IS:280, IS:7887/NTPC Tech. Spec.	IS:280/ NTPC Tech. Spec.	MTC		P	V	V	
		Wrapping test	Major	Lab analysis	IS:3150 Append 'A'	IS:3150 Append 'A'	IS:280/ NTPC Tech. Spec.	IS:280/ NTPC Tech. Spec.	MTC		P	V	V	
		Coating test	Major	Lab analysis	IS:3150 Append 'A'	IS:3150 Append 'A'	IS:280/ NTPC Tech. Spec.	IS:4826/ NTPC Tech. Spec.	MTC		P	V	V	
		Dimensions of netting	Major	Measurement	IS:3150 Append 'A'	IS:3150 Append 'A'	IS:3150/ NTPC Tech. Spec.	IS:3150 / NTPC Tech. Spec.	MTC		P	W	V	
		Bend test	Major	Measurement	IS:3150 Append 'A'	IS:3150 Append 'A'	IS:280/ NTPC Tech. Spec.	IS:280/ NTPC Tech. Spec.	MTC		P	V	V	
1.3	SS Wire netting (Above 400 deg. C)	Gauge (wire dia)	Major	Measurement	IS:3150	IS:3150	IS:6528	IS:3150/IS:6528/NTPC Tech. Spec. /NTPC approved datasheet	MTC		P	W	V	
		Dimension of netting	Major	Measurement	IS:6528	IS:6528	IS:3150	IS:3150/IS:6528/NTPC Tech. Spec. /NTPC approved datasheet	MTC		P	W	V	
		Chemical	Major	Lab analysis	IS:6528	IS:6528	IS:6528	GrX0.04 Cr18 Ni10/NTPC Tech. Spec.	MTC		P	V	V	
		Tensile	major	Lab analysis	IS:6528	IS:6528	IS:6528	GrX0.04 Cr18 Ni10/NTPC Tech. Spec.	MTC		P	V	V	

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'.

	ITEM (MATERIAL, CLASS, GRADE, RATING, RANGE, SIZE ETC.)	STANDARD QUALITY PLAN CONFORMING TO CODE: IS 8183	QP NO.: 0000-999-QOM-S-065	REVIEWED BY: N.H.S.SHARAD	APPROVED BY:
	LRB WOOL MATTRESS (FOR BOILER APPLICATIONS)		REV. NO: 00 DATE : 25/10/2013	PAGE 2 OF 4	RAJEEV GARG
			VALID UPTO : 24/10/2016	K.K.CHATTERJOPADHYAY	



S I N O	COMPONENT & OPERATION	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK		REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD		AGENCY			REMARKS
					M	C/N					M	C	N	
1	2	3	4	5	6		7	8	9	D*	** 10			11

		Reverse bend test	Major	Lab analysis	IS:6528	IS:6528	IS:6528	GrX0.04 Cr18 Ni10/NTPC Tech. Spec.	MTC		P	V	V	
		Wrapping test	Major	Lab analysis	IS:6528	IS:6528	IS:6528	GrX0.04 Cr18 Ni10/NTPC Tech. Spec.	MTC		P	V	V	
		Torsion test	Major	Lab Analysis	IS:6528	IS:6528	IS:6528	GrX0.04 Cr18 Ni10/NTPC Tech. Spec.	MTC		P	V	V	

2.0 In-process Inspection														
2.1	Finished mattress	Dimension	Major	Measurement	IS:8183	IS:8183	IS:3144, IS:8183/ NTPC Tech. Spec.	IS:3144, IS:8183, NTPC Tech. Spec. /NTPC approved datasheet	MTC		P	V	-	

3.0 Final Inspection														
3.1	Mattress	Bulk density	Major	Lab test	IS:8183 Appendix C	IS:8183 Appendix C	IS:3144, IS:8183/ NTPC Tech. Spec.	IS:3144, IS:8183, NTPC Tech. Spec. /NTPC approved datasheet	MTC		P	W	W	Routine test, See Note-4
		Recovery after compression	Major	Lab test	IS:8183 Appendix C	IS:8183 Appendix C	IS:8183 Appendix A/ NTPC Tech. Spec.	IS:8183/ NTPC Tech. Spec. /NTPC approved datasheet	MTC		P	W	W	Note -3
		Shot content	Major	Lab test	IS:8183 Appendix C	IS:8183 Appendix C	IS:8183 / NTPC Tech. Spec.	IS:8183/ NTPC Tech. Spec. /NTPC approved datasheet	MTC		P	W	W	Routine test
		Moisture content	Major	Lab test	IS:8183 Appendix C	IS:8183 Appendix C	IS:8183/IS:3144/ NTPC Tech. Spec.	IS:8183/IS:3144/ NTPC Tech. Spec./NTPC approved datasheet	MTC		P	W	W	Routine test
		Moisture absorption	Major	Lab test	IS:8183 Appendix C	IS:8183 Appendix C	IS:8183/IS:3144/ NTPC Tech. Spec.	IS:8183/IS:3144/ NTPC Tech. Spec./NTPC approved datasheet	MTC		P	W	W	Note -3
		Incombustibility	Major	Lab test	IS:8183 Appendix C	IS:8183 Appendix C	IS:8183/IS:3144/ NTPC Tech. Spec.	IS:8183/IS:3144/ NTPC Tech. Spec./NTPC approved datasheet	MTC		P	W	W	Note -3
		Incombustibility (after 100 hours exposure to service temperature)	Major	Lab test	IS:8183 Appendix C	IS:8183 Appendix C	IS:8183/IS:3144/ NTPC Tech. Spec.	IS:8183/IS:3144/ NTPC Tech. Spec./NTPC approved datasheet	MTC		P	W	W	Note -3
		Thermal conductivity	Major	Lab test	IS:8183 Appendix C	IS:8183 Appendix C	IS:8183/IS:3346/ NTPC Tech. Spec.	IS:8183/IS:3346/ NTPC Tech. Spec./NTPC approved datasheet	MTC		P	W	W	Note -3

LEGEND: * RECORDS, IDENTIFIED WITH "TICK" (✓) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION.
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		ITEM (MATERIAL, CLASS, GRADE, RATING, RANGE, SIZE ETC.) LRB WOOL MATTRESS (FOR BOILER APPLICATIONS)		STANDARD QUALITY PLAN CONFORMING TO CODE: IS 8183			QP NO.: 0000-999-QOM-S-065 REV. NO: 00 DATE : 25/10/2013 PAGE 3 OF 4 VALID UPTO : 24/10/2016		REVIEWED BY: N.H.S.SHARAD RAJEEV GARG K.KUMAR TOPADHYAY		APPROVED BY:  L.GOWRISHANKAR	
		SI NO	COMPONENT & OPERATION	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK		REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	AGENCY
					M	C/N					M C N	
1	2	3	4	5	6		7	8	9	D*	** 10	11

		Sulphur content	Major	Lab Test	IS:8183 Appendix C	IS:8183 Appendix C	IS:8183/IS:3144/ NTPC Tech. Spec.	IS:8183/IS:3144/ NTPC Tech. Spec. /NTPC approved datasheet	MTC		P	W	W	Routine test
4.0	Other Tests													
	Mattress	Resistance to vibration	Major	Lab Test	IS:8183 Appendix C	IS:8183 Appendix C	IS:3144/ IS:8183 / NTPC Tech. Spec.	IS:3144/ IS:8183 / NTPC Tech. Spec.	MTC		P	W	W	Note -3
		Resistance to jolting	Major	Lab Test	IS:8183 Appendix C	IS:8183 Appendix C	IS:3144/ IS:8183 / NTPC Tech. Spec.	IS:3144/ IS:8183 / NTPC Tech. Spec.	MTC		P	W	W	Note -3
		Heat resistance at maximum operating temperature	Major	Lab Test	IS:8183 Appendix C	IS:8183 Appendix C	IS:3144/ IS:8183 / NTPC Tech. Spec.	IS:3144/ IS:8183 / NTPC Tech. Spec.	MTC		P	W	W	Note -3
		Alkalinity	Major	Lab Test	IS:8183 Appendix C	IS:8183 Appendix C	IS:8183 appendix B/ NTPC Tech. Spec.	IS:8183/ NTPC Tech. Spec.	MTC		P	W	W	Routine test
		Chloride content (corrosives)	Major	Lab Test	IS:8183 Appendix C	IS:8183 Appendix C	IS:8183 appendix B/ NTPC Tech. Spec.	IS:8183/ NTPC Tech. Spec.	MTC		P	W	W	Routine test
5.0	Marking, preservation & packing	Identification	Major	Lab Test	IS:8183	IS:8183	IS:8183/ NTPC Tech. Spec.	IS:8183/ NTPC Tech. Spec.			P	W	W	Note-6
		protection	Major	Visual	IS:8183	IS:8183	IS:8183/ NTPC Tech. Spec.	IS:8183/ NTPC Tech. Spec.			P	W	V	

Legend : MTC : Manufacture's Test Certificate

Note -1: The latest revisions/year of issue of all the IS indicated in the SQP shall be referred.

Note-2: The grade/type of LRB Wool Mattress 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-3: These Type tests, except thermal conductivity test, shall be done once in 3 months (Main Contractor Witness once in 3 months & NTPC witness once in 6 months). The Thermal Conductivity test shall be done once in 12 months. Further, if thermal conductivity test is done at IIT, Chennai or CBRI, Roorkee, NTPC will verify the test reports of jointly (Main Contractor & NTPC) sealed samples.

Note 4: The bulk density values currently being specified by original Boiler Manufacturer./supplier are: Up to 400 deg. C -100Kg/Cubic m & above 400 deg C 150 Kg/Cubic m.

LEGEND: * RECORDS, IDENTIFIED WITH "TICK" (✓) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION.
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 AS APPROPRIATE, CHP: NTPC SHALL IDENTIFY IN COLUMN "N" AS 'W'.

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

ENGG. DIV./QA&I

 ITEM (MATERIAL, CLASS, GRADE, RATING, RANGE, SIZE ETC.) LRB WOOL MATTRESS (FOR BOILER APPLICATIONS)		STANDARD QUALITY PLAN CONFORMING TO CODE: IS 8183			QP NO.: 0000-999-QOM- S -065 REV. NO: 00 DATE : 25/10/2013 PAGE 4 OF 4 VALID UPTO : 24/10/2016		REVIEWED BY: N.H.S.SHARAD RAJEEV GARG K.K. CHATURVEDI		APPROVED BY: I.GOWRISHANKAR					
					SI NO		COMPONENT & OPERATION		CHARACTERISTICS		CLASS	TYPE OF CHECK	QUANTUM OF CHECK M C/N	
1	2	3	4	5	6		7	8	9	D*	**10	11		

Note-5 : All review documents shall be submitted during witness / final inspection to Main Contractor- QC/ Customer Nominated agency



Note 6: **Packing & Marking-** The mattresses shall be packed in polythene laminated HDPE or polythene laminated polypropelene bags with marking details and shall be packed in straight length (unfolded condition). Mattresses of same thickness shall be packed in one bag. All the marking details shall be legibly written on packing as well as on a sheet of paper which is to be kept inside, between wool and wire netting.

Note 7: This SQP is valid for material procured from following vendors only: **A. Minwool Rock Fibre Ltd., Rajnanadgain/Bhilai, B. Rockwool India Ltd., Medak-AP, C. Lapinus Rockwool Ltd., Gwalior, D. Lloyd Insulation, Bhilai, E. Punjstar Insulation, Bhilai, F. Goenka Rockwool, Raipur.**

LEGEND: * RECORDS, IDENTIFIED WITH "TICK" (✓) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION.
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 AS APPROPRIATE, CHP: NTPC SHALL IDENTIFY IN COLUMN "N" AS 'W'.

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



ENGG. DIV./QA&I

	MANUFACTURER'S NAME AND ADDRESS BHEL : TIRUCHIRAPPALLI / APP SUB - CONTRACTOR		REFERENCE QUALITY PLAN					TO BE FILLED IN BY INSURANCE				
	ITEM /EQUIPMENT : LRB WOOL MATTRESS-IS 8183 GROUP-3 - 1993 SUB-SYSTEM : STEAM GENERATOR AND AUX		QP NO.: CQP 1474 REV. NO.: 05 DATE :30-4-09 PAGE...1... OF...4.		SIGN. OF MFGR'S <i>[Signature]</i>		QP NO.: 0000-999-QVM- P -261 REV. NO.: 02 DATE : 06-05-09 PAGE...1... OF...4 VALID UPTO: 05.05.12		REVIEWED BY: <i>[Signature]</i>		APPROVED BY: <i>[Signature]</i>	
SL. NO.	COMPONENT & OPERATIONS	CHARACTERISTICS	CL	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD		AGENCY		
1	2	3	4	5	6	7	8	9	D*	M	C	N
										** 10		
												11

1.0	MATERIAL:														
1.1	Raw material (Rock wool)	Chemical	B	Lab analysis	1sample/lot	As per vendor	standard	MTC		P	V	-			
1.2	GI wire netting Wire	Wire dia & dimension of netting	B	Measurement	IS3150 Append 'A'	IS:3150-\$/ Col.-2 / approved Data	NTPC sheet	MTC		P	W	V	Upto 400 deg.C		
		Chemical	B	Lab analysis	-do-	IS:280	IS:7887	MTC		P	V	V	\$-Note - 2		
		Tensile test	B	-do-	-do-	IS:280	IS:280	MTC		P	V	V			
		Wrapping test	B	-do-	-do-	IS:280	IS:280	MTC		P	V	V			
		Coating test	B	-do-	-do-	IS:280	IS:4826	MTC		P	V	V			
		Dimensions of netting	B	Measurement	-do-	IS:3150		MTC		P	W	V			
		Bend test	B	-do-	-do-	IS:280		MTC		P	V	V			
1.3	SS wire netting:	Gauge(wire dia)	B	-do-	IS3150	IS:6528 &	NTPC approved Data sheet	MTC		P	W	V	Above 400 deg.C		
		Dimension of netting	B	-do-	IS6528	P.S. /IS:3150	IS:3150 & NTPC Approved data sheet	MTC		P	W	V			
		Chemical	B	Lab analysis	- do-	IS:6528		GrX0.04Cr18 Ni10	MTC		P	V	V		
		Reverse bend test	B	-do-	- do-	-do-	-do-	-do-	MTC		P	V	V		
		Wrapping test	B	Lab analysis	IS6528	IS:6528		Gr X0.04Cr18Ni10	MTC		P	V	V		

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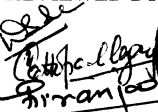
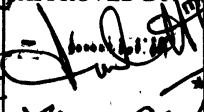
Note:# NTPC Inspection Engineer to check, approval date/ revision no. of reference documents at the time of inspection

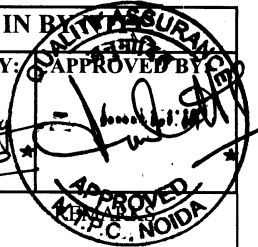
	MANUFACTURER'S NAME AND ADDRESS BHEL : TIRUCHIRAPPALLI / APP SUB - CONTRACTOR		REFERENCE QUALITY PLAN					TO BE FILLED IN BY					
			ITEM /EQUIPMENT : LRB WOOL MATTRESS-IS 8183 GROUP-3 - 1993 SUB-SYSTEM : STEAM GENERATOR AND AUX	QP NO.: CQP 1474 REV. NO.: 05 DATE :30-4-09 PAGE...2... OF...4.	SIGN. OF MFGR'S <i>[Signature]</i>		QP NO.: 0000-999-QVM-P-261 REV. NO.: 02 DATE : 06-05-09 PAGE 2... OF...4 VALID UPTO: 05-05-12	REVIEWED BY: <i>[Signatures]</i> APPROVED M.T.P.C., NOIDA					
SL. NO.	COMPONENT & OPERATIONS	CHARACTERISTICS	CL	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD		AGENCY			
1	2	3	4	5	6	7	8	9	D*	** 10			11

2.0	IN-PROCESS CONTROL												
2.1	Finished mattress	Dimension	B	Measurement	IS8183	IS:3144, IS:8183 / NTPC approved Data sheet	MTC	P	V	-			
3.0	FINAL INSPECTION												
3.1	Mattress	Bulk density	B	Lab test (R)	IS8183 Appendix 'C'	IS:3144, IS:8183 / NTPC approved Data sheet	MTC	P	W	W			Upto 400 deg.C - 100Kg/Cubic m & Above 400 deg.C 150Kg/Cubic metre @ Note - 4
3.2		Recovery after compression	B	(T)@	- do-	IS:8183 Appdx-A IS:8183/ NTPC approved Data sheet	MTC	P	W	W			
3.3		Shot content	B	(R)	-do-	- do-	MTC	P	W	W			
3.4a		Moisture content	B	(R)	-do-	IS:3144	MTC	P	W	W			
3.4 b		Moisture absorption	B	(T)@	-do-	IS 3144	MTC	P	W	W			@ Note - 4
3.5		Incombustibility	B	(T)@	-do-	-do -	MTC	P	W	W			@ Note - 4
		Incombustibility*	B	(T)@	-do-	-do-	MTC	P	W	W			*After 100 hours exposure to service temperature @ Note - 4
3.6		Thermal conductivity	B	(Ts) @	-do-	IS:3346	MTC	P	W	W			@ Note - 4
3.7		Sulphur content	B	(R)	-do-	IS:3144	MTC	P	W	W			

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Note:# NTPC Inspection Engineer to check, approval date/ revision no. of reference documents at the time of inspection

	MANUFACTURER'S NAME AND ADDRESS BHEL : TIRUCHIRAPPALLI/ APP SUB - CONTRACTOR		REFERENCE QUALITY PLAN					TO BE FILLED IN BY					
			ITEM /EQUIPMENT : LRB WOOL MATTRESS-IS 8183 GROUP-3 - 1993 SUB-SYSTEM : STEAM GENERATOR AND AUX	QP NO.: CQP 1474 REV. NO.: 05 DATE :30-4-09 PAGE...3... OF...4.	SIGN. OF MFGR'S 		QP NO.: 0000-999-QVM-P-261 REV. NO.: 02 DATE : 06.05.09 PAGE...3... OF...4 VALID UPTO: 05.05.12	REVIEWED BY:  APPROVED BY: 					
SL. NO.	COMPONENT & OPERATIONS	CHARACTERISTICS	CL	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD		AGENCY			11
1	2	3	4	5	6	7	8	9	D*	M	C	N	
													** 10



4.0	Other Tests												
4.1		Resistance to Vibration	B	(T)@	IS 8183 Appendix 'C'	IS : 3144	IS:8183	MTC		P	W	W	@ Note - 4
4.2		Resistance to Jolting	B	(T)@	-do-	-do-	-do-	MTC		P	W	W	@ Note - 4
4.3		Heat resistance at 550 deg.C	B	(T)@	-do-	-do-	-do-	MTC		P	W	W	@ Note - 4
4.4		Alkalinity	B	(R)	-do-	IS:8183&Appd ix-B	IS:8183	MTC		P	W	W	
4.5		Chloride content (corrosives)	B	(R)	-do-	-do-	IS:8183	MTC		P	W	W	
5.0	Marking, preservation & packing	Identification	B	-do-	IS8183	IS: 8183	IS:8183	TC		P	W	W	
		Protection	M	Visual	IS:8183	Note-3				P	W	V	




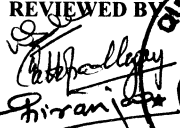
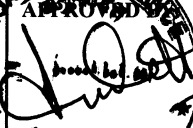
Legend : (R) : Routine Test (T)/(TS) : Type Test MTC : Manufacture's Test Cert.

Note - 1: List of NTPC approved vendors for procuring the item:

1. Mineral Wool Rock Fibres Ltd., Rajnandgaon
2. Lloyd Insulation Chennai, Works at: Rockwool Industries, Bhilai
3. Rockwool India Ltd., Medak, A.P.
4. Lapinus Rockwool Ltd., Gwalior

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Note:# NTPC Inspection Engineer to check, approval date/ revision no. of reference documents at the time of inspection

	MANUFACTURER'S NAME AND ADDRESS BHEL : TIRUCHIRAPPALLI / APP SUB - CONTRACTOR		REFERENCE QUALITY PLAN					TO BE FILLED IN BY				
			ITEM /EQUIPMENT : LRB WOOL MATTRESS-IS 8183 GROUP-3 - 1993 SUB-SYSTEM : STEAM GENERATOR AND AUX	QP NO.: CQP 1474 REV. NO.: 05 DATE :30-4-09 PAGE...4... OF...4.		SIGN. OF MFR'S 	QP NO.: 0000-999-QVM- P -261 REV. NO.: 02 DATE : 06-05-09 PAGE...4... OF...4 VALID UPTO: 05-05-12	REVIEWED BY  APPROVED  APPROVED N.T.P.C., MOHDA				
SL. NO.	COMPONENT & OPERATIONS	CHARACTERISTICS	CL	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD		AGENCY		
1	2	3	4	5	6	7	8	9	D*	M	C	N
										** 10		
										11		

Note-2: The relevant IS Nos.& year of issue: IS : 8183-1993 ;
IS:3150-1982 ; IS:280-1978 ; IS:7887-1992 ; IS:1608-2005
IS:4826-1979 ; IS:6528-1995 ; IS:3144-1992 ; IS:3346-1980

Note-3: The mattresses shall be packed in polythene sheets.
Further it shall be put in polythene bonded hessian bag.
Mattresses of same thickness shall be packed in one bag.

Note-4: @ Type test marked as 'T' shall be done once in 3 months. (BHEL Witness once in 3 months & NTPC witness once in 6 months.)
Type test marked as 'Ts' shall be done once in 12 months.
Thermal Conductivity test – NTPC will verify test report of jointly (BHEL-NTPC) sealed samples
if tested at :

1. IIT Chennai
2. CBRI Roorkee

Note-5 :All review documents shall be submitted during witness / final inspection to BHEL- QC/ Customer Nominated agency

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'

Note:# NTPC Inspection Engineer to check, approval date/ revision no. of reference documents at the time of inspection